

Project Name: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Date: \_\_\_\_\_



## 4" ELIUM™ Commercial Gear Adjustable Downlights

IC rated up to 1,500 lumens and Non-IC up to 3,500 lumens. 120-277V, Triac, ELV, 0-10V.

New Construction, remodel/retrofit. Round, Square, Flanged and Flangeless.

### 4" ELIUM TRIMS



Round Bevel



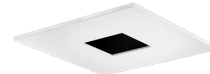
Round Pinhole



Round Wall Wash



Square Bevel



Square Pinhole



Square Wall Wash



Flangeless Round  
Bevel



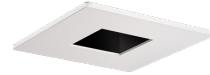
Flangeless Round  
Pinhole



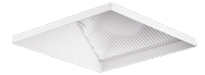
Flangeless Round  
Wall Wash



Flangeless Square  
Bevel



Flangeless Square  
Pinhole



Flangeless Square  
Wall Wash

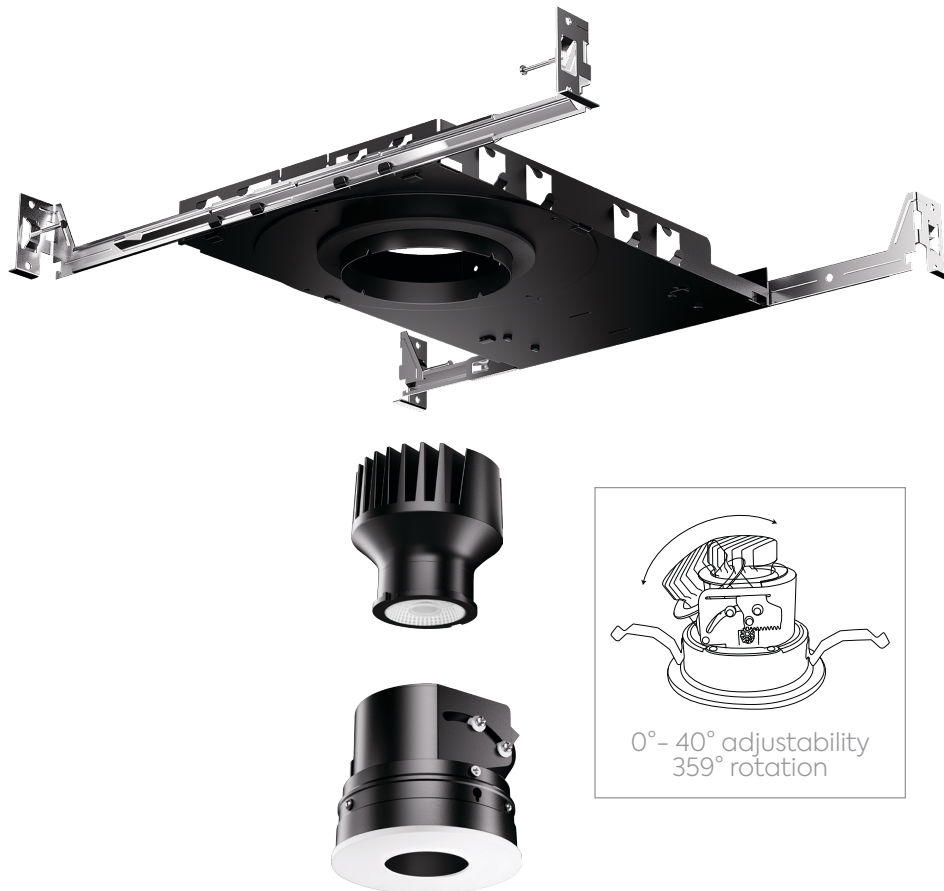
#### FEATURES

- 3 Part System: Frame, Module, & Trim
- UL listed for direct contact with insulation up to 1,500 lumens, UL listed as non-IC up to 3,500 lumens
- Title 24 JA8-2022-E up to 1,500 lumens
- Lockable gear adjustment up to 40° center axis tilt and 359° rotation, adjusted with 1/8" Allen Key from below the ceiling
- Patented LED Module with in field changeable optic
- Standard Dimming to 1% with 0-10V, Triac and ELV dimmers. Optional 0.1% dimming
- Compatible with ceilings up to 2" thick (2" thick ceilings may limit tilt)
- Flanged and flangeless options
- Precision single piece die-cast trims
- 50,000 hours lifespan L70

#### SPECIFICATIONS

|             |                                                                              |
|-------------|------------------------------------------------------------------------------|
| WATTAGE:    | 6W – 32W                                                                     |
| LUMENS:     | 750 lm – 3500 lm                                                             |
| VOLTAGE:    | 120-277V                                                                     |
| COLOR TEMP: | 2700K, 3000K, 3500K, 4000K                                                   |
| DIMMABLE:   | 0-10V, Triac, ELV (1%), 0-10V (0.1%),<br>Dali2 (0.1%), LUTRON HI-LUME (0.1%) |
| UL LISTED:  | Damp & Wet location options                                                  |
| BEAM ANGLE: | 15°, 24°, 36°, 50°                                                           |
| CRI:        | 95+                                                                          |

## 4" ELIUM™ 3-PART SYSTEM: FRAME, MODULE & TRIM



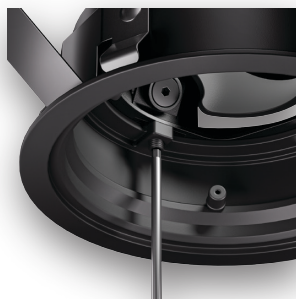
## LOCKABLE HOT AIMING GEAR ADJUSTMENT FROM BELOW

Adjustability



Hot Aiming from below the ceiling using a 1/8" Allen Key

Rotation Lock



359° Lockable Rotation with 1/8" Allen Key\*

Lockable Gear Adjustment



Easy access for quick and effortless adjustments from below the ceiling



\* 1/8" Allen Key (**LU332ALLEN**) ordered separately

1. Specify frame part number

FRAME

Example: LUCM45RDX07

| ELIUM       | SIZE      | STYLE                                    | DRIVER                             | LUMENS/WATTAGE                         | OPTIONAL EM                        |
|-------------|-----------|------------------------------------------|------------------------------------|----------------------------------------|------------------------------------|
| <b>LUCM</b> |           |                                          |                                    |                                        |                                    |
| <b>LUCM</b> | <b>45</b> | <b>4"</b>                                | <b>RD</b> Round (New Construction) | <b>X</b> 120-277V, 0-10V, Triac/ELV 1% | <b>07</b> 750 lm (6W) <sup>2</sup> |
|             |           | <b>SQ</b> Square (New Construction)      | <b>ED</b> EldoLed, 0-10V 0.1%      | <b>10</b> 1000 lm (8W) <sup>2</sup>    | <b>(Blank)</b> No EM               |
|             |           | <b>REM</b> Remodel/Retrofit <sup>1</sup> | <b>AL</b> EldoLed, Dali 2 0.1%     | <b>12</b> 1250 lm (11W) <sup>2</sup>   | <b>EM5</b> 25W EM, 90 min          |
|             |           |                                          | <b>LN</b> Lutron, Hi-Lume          | <b>15</b> 1500 lm (14W) <sup>2</sup>   |                                    |
|             |           |                                          |                                    | <b>20</b> 2000 lm (19W) <sup>3</sup>   |                                    |
|             |           |                                          |                                    | <b>25</b> 2500 lm (23W) <sup>3</sup>   |                                    |
|             |           |                                          |                                    | <b>30</b> 3000 lm (29W) <sup>3</sup>   |                                    |
|             |           |                                          |                                    | <b>35</b> 3500 lm (32W) <sup>3</sup>   |                                    |

<sup>1</sup> Remodel is available up to 2500 lm, no frame

<sup>2</sup> IC rated for direct contact with insulation, cUL up to 1500 lumens (14W)

<sup>3</sup> Non-IC, for use without insulation, or keep insulation 3" away from fixture. 2000 (19W) - 3500 (32W) lumens

2. Specify module part number

MODULE

Example: LUCM3530D-S

| ELIUM       | TYPE                              | COLOR TEMPERATURE | BEAM          |
|-------------|-----------------------------------|-------------------|---------------|
| <b>LUCM</b> |                                   |                   |               |
| <b>LUCM</b> | <b>35</b> CREE PRO9 Chip, CRI 95+ | <b>27D</b> 2700K  | <b>-S</b> 15° |
|             |                                   | <b>30D</b> 3000K  | <b>-N</b> 24° |
|             |                                   | <b>35D</b> 3500K  | <b>-F</b> 36° |
|             |                                   | <b>40D</b> 4000K  | <b>-W</b> 50° |

SECONDARY MODULE OPTICS\*

|              |              |             |              |             |
|--------------|--------------|-------------|--------------|-------------|
| <b>L45</b>   | <b>L57</b>   | <b>L51</b>  | <b>L49</b>   | <b>L58</b>  |
| Black Louver | White Louver | CCT Reducer | Frosted Lens | Solite Lens |

\*Module Fits up to 4 secondary optics

3. Specify trim part number

TRIM

Example: LU45RD10T72W

| ELIUM     | SIZE      | SHAPE            | STYLE                            | TRIM                                | LENS                                  | FINISH                                      |
|-----------|-----------|------------------|----------------------------------|-------------------------------------|---------------------------------------|---------------------------------------------|
| <b>LU</b> |           |                  |                                  |                                     |                                       |                                             |
| <b>LU</b> | <b>45</b> | <b>4"</b>        | <b>RD</b> Round                  | <b>10</b> Bevel                     | <b>T</b> Flanged <sup>2</sup>         | <b>(Blank)</b> Open, No Lens <sup>5,7</sup> |
|           |           | <b>SQ</b> Square | <b>27</b> Pinhole                | <b>LS</b> Flangeless <sup>3,4</sup> | <b>72</b> Clear Lens <sup>6,7</sup>   | <b>W</b> All White                          |
|           |           |                  | <b>33</b> Wall Wash <sup>1</sup> |                                     | <b>83</b> Difused Lens <sup>6,7</sup> | <b>BB</b> All Black                         |
|           |           |                  |                                  |                                     | <b>94</b> Linear Lens <sup>6,8</sup>  |                                             |

<sup>1</sup> Requires Linear Lens (94 lens option)

<sup>2</sup> For ceiling thickness up to 2"

<sup>3</sup> For ceiling thickness up to 3.5"

<sup>4</sup> Requires Spackle Frame, ordered Separately

<sup>5</sup> Damp Location

<sup>6</sup> Wet Location

<sup>7</sup> Not available for Wall Wash Trim

<sup>8</sup> For Wall Wash trim only

ACCESSORIES

|                     |                      |            |
|---------------------|----------------------|------------|
| ROUND SPACKLE FRAME | SQUARE SPACKLE FRAME | ALLEN KEY  |
| LU45RDSF            | LU45SQSF             | LU332ALLEN |

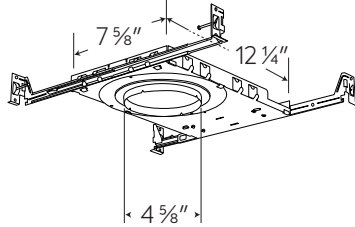


## PRODUCTS

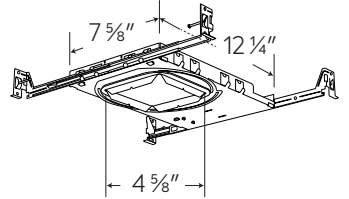
### Frames



4" FRAME Round



4" FRAME Square

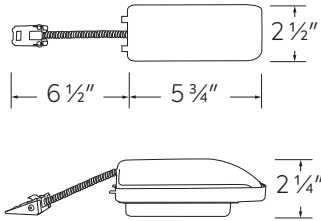


25° collar rotation  
for square alignment

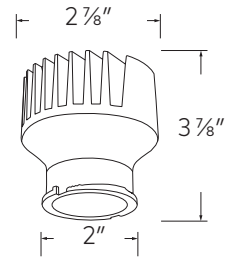
### Remodel/Retrofit



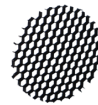
ELIUM Remodel/Retrofit



ELIUM Commercial Module



### Accessories



Black Louver  
L45



White Louver  
L57



CCT Reducer  
L51



Frosted Lens  
L49



Solite Lens  
L58



Lenses  
LUP15D (15°)  
LUP24D (24°)  
LUP36D (36°)  
LUP50D (50°)

### Trims



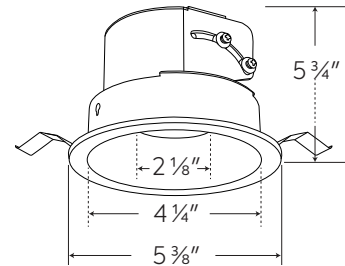
Round Bevel



White



Black



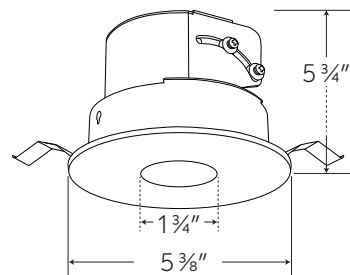
Round Pinhole



White



Black







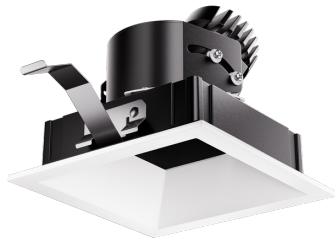
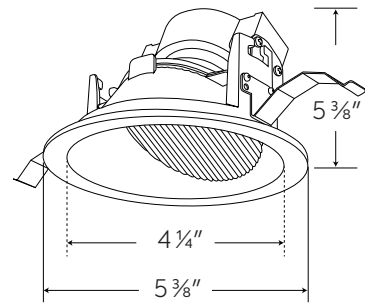
Round Wall Wash



White



Black



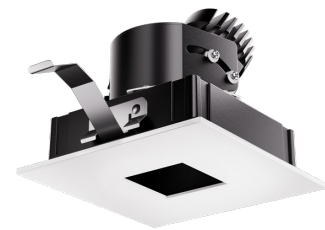
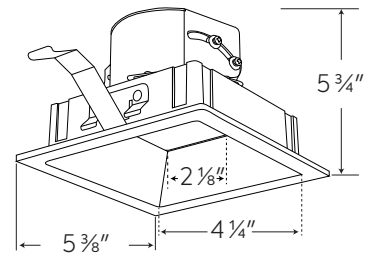
Square Bevel



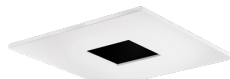
White



Black



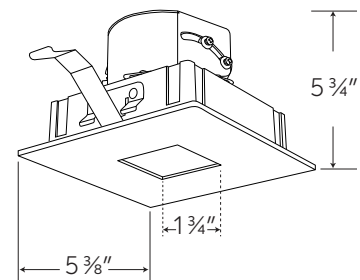
Square Pinhole



White



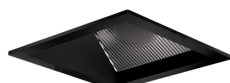
Black



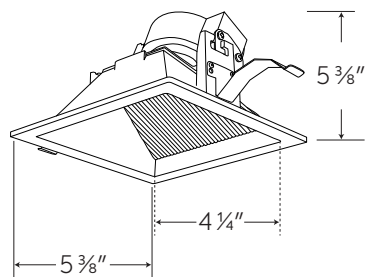
Square Wall Wash



White



Black



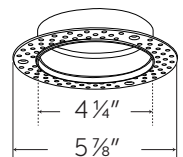
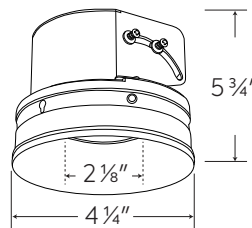
Flangeless Round Bevel



White



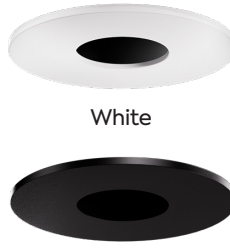
Black



Spackle Frame  
Ordered Separately

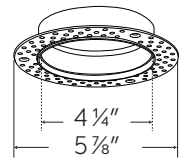
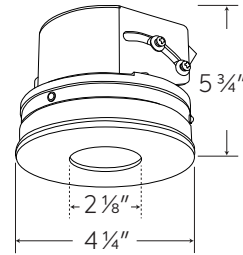


Flangeless Round Pinhole



White

Black



Spackle Frame  
Ordered Separately

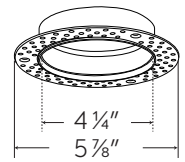
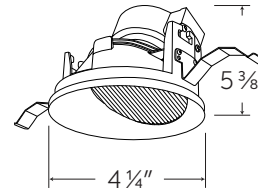


Flangeless Round Wall Wash



White

Black



Spackle Frame  
Ordered Separately

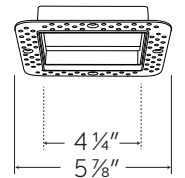
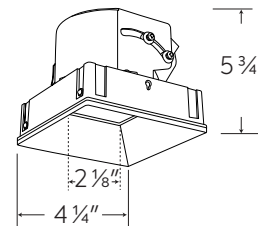


Flangeless Square Bevel



White

Black



Spackle Frame  
Ordered Separately

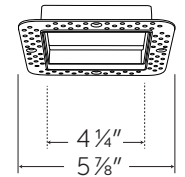
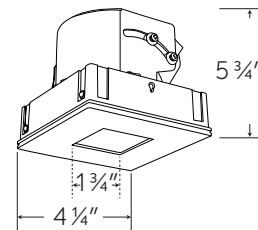


Flangeless Square Pinhole



White

Black



Spackle Frame  
Ordered Separately

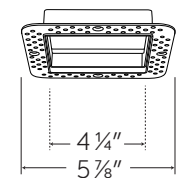
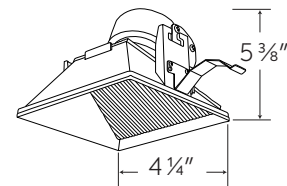


Flangeless Square Wall Wash



White

Black



Spackle Frame  
Ordered Separately

## TECHNICAL SPECIFICATIONS

The ELIUM Commercial Downlight is a modular, high-performance recessed lighting system designed for versatility and ease of installation. The system consists of three key components: Frame, Module, and Trim Mechanism. The module securely twists onto the trim mechanism and connects to the housing via a quick-connect system. Both the module and driver are fully serviceable from below the ceiling.

### HOUSING:

Designed for ceiling plenums with 2 x 6 joists or taller.

- High-strength hanger bars can be easily nailed to joists.
- Compatible with T-grid and drop ceiling applications.
- Adjustable hanger bars extend from 7.5" to 24".
- Accessible driver mounted on the frame for easy servicing.
- Rotatable square collar ensures precise square alignment.
- Knockouts for easy wiring:
  - Two 3/4" knockouts
  - Seven 1/2" trade-size conduit knockouts
  - One 3/8" knockout
  - Four pry-out knockout slots for Romex wiring

### EMERGENCY OPTIONS:

- 90-minute emergency battery backup with remote test switch.

### OPTICS:

- Precision-engineered PIR optics available in 15°, 24°, 36° and 50° beam spreads.
- Field-changeable secondary lenses available—no accessory holder required. Module can hold up to 4 secondary lenses.

### LED TECHNOLOGY:

CREE COB LED for superior performance.

- 95+ CRI for exceptionally accurate color rendering.
- 50,000-hour L70 lifespan based on LM80 test standards.
- Advanced thermal management with integrated heat sink.
- Instant-on to full brightness with no visible LED pixilation.

### ADJUSTABILITY:

- Adjustable from below the ceiling while keeping the light centered with the trim opening.
- 40° tilt adjustment, set using a 1/8" Allen key with an Automatic locking mechanism ensures secure positioning.
- Lockable 359° rotation for precise aiming.

#### MODULE - LUMEN MULTIPLIER

| CCT   | MULTIPLIER | BEAM ANGLE | MULTIPLIER |
|-------|------------|------------|------------|
| 2700K | 0.96       | 18°        | 0.84       |
| 3000K | 1          | 25°        | 0.89       |
| 3500K | 1.05       | 36°        | 1          |
| 4000K | 1.085      | 60°        | 1.065      |
|       |            | 90°        | 0.95       |

## DIMMER COMPATIBILITY CHART

### FOR REFERENCE ONLY

Testing conducted by ELIUM Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| MANUFACTURER                                                                                        | PRODUCT                                                                                              | PART NUMBER | DIMMED LIGHT OUTPUT RANGE |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------|---------------------------|
| <b>120V – Triac/ELV Dimmers for LU37RD Series, LU37SQ Series, LU45RD Series &amp; LU45SQ Series</b> |                                                                                                      |             |                           |
| Leviton                                                                                             | 120V AC 60Hz, 300W Electronic Low Voltage, 400 Volt Amp, Single Pole, 3-Way                          | IPE04       | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 300W CFL or 600W Incandescent, 400 Volt Amp, Single Pole, 3-Way                        | 6673-10W    | 1% – 100%                 |
|                                                                                                     | 120V AC, 600W Incandescent with LED Locator, Single Pole, 3-Way                                      | VP106       | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 500W Incandescent with LED Level Indicator, Single Pole, 3-Way                         | 6161        | 1% – 100%                 |
|                                                                                                     | 120V AC, 150W LED/CFL or 600W Incandescent, Single Pole, 3-Way                                       | 6674        | 1% – 100%                 |
| Lutron                                                                                              | 120V AC, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                               | RRD-6CL     | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 150W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way                                  | DVCL-153P   | 1% – 100%                 |
|                                                                                                     | 120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                             | TGCL-153P   | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 300W Electronic Low Voltage, 3-Way, Commercial/Residential Application                 | DVELV-303P  | 1% – 100%                 |
|                                                                                                     | 120V, 600W Incandescent/Halogen, Single Pole, Residential Indoor Application                         | TG-600P     | 1% – 100%                 |
|                                                                                                     | 120V, 1000W Incandescent or 600W Magnetic Low Voltage, Single Pole, 3-Way                            | CT103P      | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 600W Electronic Low Voltage, Single Pole/Multi-Location                                | MAELV600    | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 500W Electronic Low Voltage, Single Pole/Multi-Location                                | FAELV500    | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, Slide-to-Off Dimmer                            | S-600P      | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                          | SCL-153P    | 1% – 100%                 |
|                                                                                                     | Caséta® Wireless Dimmer                                                                              | PD-6WCL     | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, Low Voltage Load Type, 150W Single Pole                                                | DVLV-600P   | 5% – 100%                 |
|                                                                                                     | 120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential and Commercial Application | DV-603P     | 1% – 100%                 |
|                                                                                                     | 120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application    | MA-PRO      | 1% – 100%                 |
|                                                                                                     | 120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way                          | MACL-153M   | 1% – 100%                 |

**\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



## DIMMER COMPATIBILITY CHART

### FOR REFERENCE ONLY

Testing conducted by ELIUM Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility.

| MANUFACTURER                                                                                             | PRODUCT                                                                                | PART NUMBER     | DIMMED LIGHT OUTPUT RANGE |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------|---------------------------|
| <b>120V – Triac/ELV Dimmers for LU37RD Series, LU37SQ Series, LU45RD Series &amp; LU45SQ Series</b>      |                                                                                        |                 |                           |
| Eaton                                                                                                    | 120V AC, 300W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way             | TAL06P1-C1      | 1% – 100%                 |
| Cooper                                                                                                   | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way            | SLC03P / DAL06P | 1% – 100%                 |
|                                                                                                          | 120V AC 60Hz, 300W LED/CFL or 600W Incandescent, Single Pole, 3-Way, Residential       | DLC03P          | 1% – 100%                 |
|                                                                                                          | 120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way                            | RI061-VW-K2     | 1% – 100%                 |
|                                                                                                          | 120V AC 60Hz, 300W LED/CFL/ Incandescent/Halogen, Single Pole, 3-Way                   | AAL06A-C2       | 1% – 100%                 |
| Lightolier                                                                                               | 120V, 260W Incandescent/Halogen, Single Pole, 3-Way                                    | ZP260QEW        | 1% – 100%                 |
| <b>0-10V Type Dimmers - 120/277V for LU37RD Series, LU37SQ Series, LU45RD Series &amp; LU45SQ Series</b> |                                                                                        |                 |                           |
| Lutron                                                                                                   | 120/277V AC, 0-10V LED/CFL Ballast, Single Pole, 3-Way                                 | NFTV            | 1% – 100%                 |
|                                                                                                          | 120/277V AC, 0-10V, Single Pole, 3-Way, Commercial and Residential, Indoor Application | DVSTV           | 1% – 100%                 |
|                                                                                                          | 120/277V AC 50/60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way, Indoor Application     | DVTV            | 1% – 100%                 |
| Leviton                                                                                                  | 120/277V AC 60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way                            | IP710-DL        | 1% – 100%                 |

**\*NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



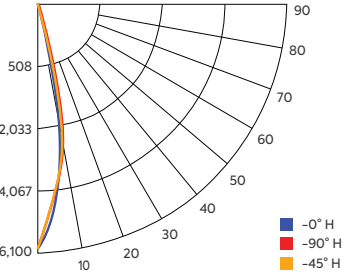
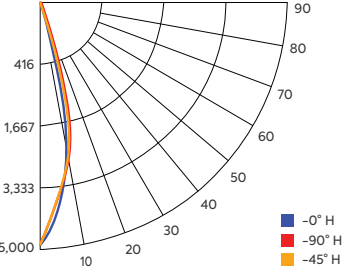
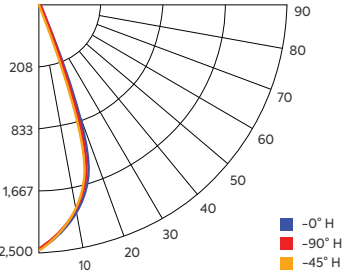
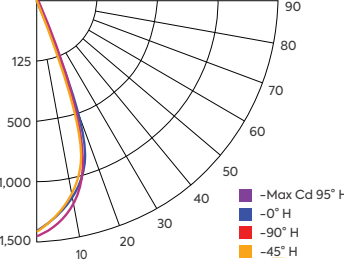
# PHOTOMETRIC REPORT

[illegible]



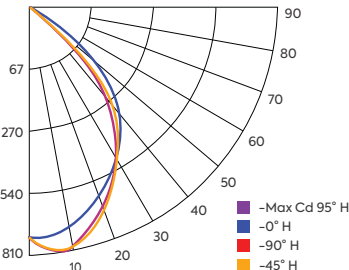
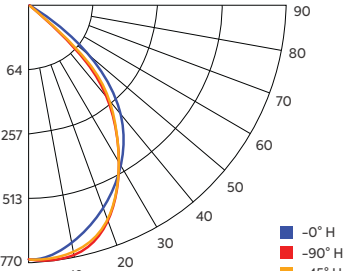
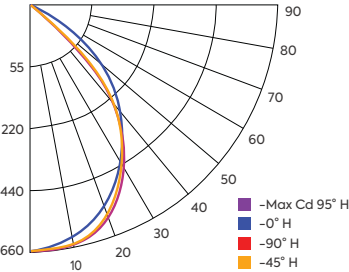
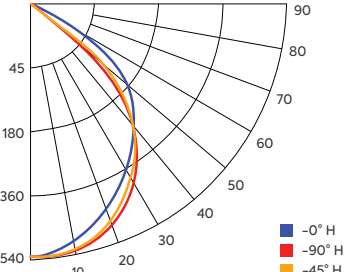
PHOTOMETRIC REPORT

4" Round Pinhole

| PHOTOMETRIC REPORT                                                                                                                                                                                                                           | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------|---|------|----|------|----|-----|----|---|----|---|----|---|----|---|----|---|----|---|----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|------|----|------|------|----|------|------|-----|------|------|------|--------|------------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|-----|
| <div>Product #: LU45RD27TW (Tilted at 0°, 1500lm); 15°<br/>Wattage: 12.69W<br/>Delivered Lumens: 887.0 lm<br/>Luminaire LPW: 69.85 lm/W</div> <div></div>   | <div>Degress Vertical0°</div> <table><tr><td>0</td><td>5947</td></tr><tr><td>5</td><td>4650</td></tr><tr><td>15</td><td>1111</td></tr><tr><td>25</td><td>38</td></tr><tr><td>35</td><td>4</td></tr><tr><td>45</td><td>4</td></tr><tr><td>55</td><td>2</td></tr><tr><td>65</td><td>3</td></tr><tr><td>75</td><td>5</td></tr><tr><td>85</td><td>0</td></tr><tr><td>90</td><td>0</td></tr></table>  | 0                         | 5947 | 5 | 4650 | 15 | 1111 | 25 | 38  | 35 | 4 | 45 | 4 | 55 | 2 | 65 | 3 | 75 | 5 | 85 | 0 | 90 | 0 | <div>Distance to Target PlaneCenter Beam FootcandlesBeam Diameter</div> <table><tr><td>4'</td><td>372</td><td>1.4'</td></tr><tr><td>6'</td><td>165</td><td>2.1'</td></tr><tr><td>8'</td><td>92.9</td><td>2.8'</td></tr><tr><td>10'</td><td>59.5</td><td>3.5'</td></tr></table> <div>ZONAL LUMEN SUMMARY</div> <table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>870.2</td><td>98.4</td></tr><tr><td>0-40°</td><td>874.7</td><td>98.9</td></tr><tr><td>0-60°</td><td>877.6</td><td>99.2</td></tr><tr><td>0-90°</td><td>884.7</td><td>100</td></tr></table>   | 4' | 372  | 1.4' | 6' | 165  | 2.1' | 8' | 92.9 | 2.8' | 10' | 59.5 | 3.5' | Zone | Lumens | %Luminaire | 0-30° | 870.2 | 98.4 | 0-40° | 874.7 | 98.9 | 0-60° | 877.6 | 99.2 | 0-90° | 884.7 | 100 |
| 0                                                                                                                                                                                                                                            | 5947                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                            | 4650                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                           | 1111                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                           | 38                                                                                                                                                                                                                                                                                                                                                                                               |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                           | 5                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                           | 0                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                           | 0                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                           | 372                                                                                                                                                                                                                                                                                                                                                                                              | 1.4'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                           | 165                                                                                                                                                                                                                                                                                                                                                                                              | 2.1'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                           | 92.9                                                                                                                                                                                                                                                                                                                                                                                             | 2.8'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                          | 59.5                                                                                                                                                                                                                                                                                                                                                                                             | 3.5'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                         | Lumens                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                        | 870.2                                                                                                                                                                                                                                                                                                                                                                                            | 98.4                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                        | 874.7                                                                                                                                                                                                                                                                                                                                                                                            | 98.9                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                        | 877.6                                                                                                                                                                                                                                                                                                                                                                                            | 99.2                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                        | 884.7                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| PHOTOMETRIC REPORT                                                                                                                                                                                                                           | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| <div>Product #: LU45RD27TW (Tilted at 0°, 1500lm); 24°<br/>Wattage: 13.05W<br/>Delivered Lumens: 914.7 lm<br/>Luminaire LPW: 70.07 lm/W</div> <div></div>  | <div>Degress Vertical0°</div> <table><tr><td>0</td><td>4884</td></tr><tr><td>5</td><td>4018</td></tr><tr><td>15</td><td>1561</td></tr><tr><td>25</td><td>55</td></tr><tr><td>35</td><td>4</td></tr><tr><td>45</td><td>3</td></tr><tr><td>55</td><td>2</td></tr><tr><td>65</td><td>3</td></tr><tr><td>75</td><td>5</td></tr><tr><td>85</td><td>0</td></tr><tr><td>90</td><td>0</td></tr></table>  | 0                         | 4884 | 5 | 4018 | 15 | 1561 | 25 | 55  | 35 | 4 | 45 | 3 | 55 | 2 | 65 | 3 | 75 | 5 | 85 | 0 | 90 | 0 | <div>Distance to Target PlaneCenter Beam FootcandlesBeam Diameter</div> <table><tr><td>4'</td><td>305</td><td>1.6'</td></tr><tr><td>6'</td><td>136</td><td>2.4'</td></tr><tr><td>8'</td><td>76.3</td><td>3.2'</td></tr><tr><td>10'</td><td>48.8</td><td>4.1'</td></tr></table> <div>ZONAL LUMEN SUMMARY</div> <table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>896.2</td><td>98.2</td></tr><tr><td>0-40°</td><td>902.3</td><td>98.9</td></tr><tr><td>0-60°</td><td>905.3</td><td>99.2</td></tr><tr><td>0-90°</td><td>912.6</td><td>100</td></tr></table>   | 4' | 305  | 1.6' | 6' | 136  | 2.4' | 8' | 76.3 | 3.2' | 10' | 48.8 | 4.1' | Zone | Lumens | %Luminaire | 0-30° | 896.2 | 98.2 | 0-40° | 902.3 | 98.9 | 0-60° | 905.3 | 99.2 | 0-90° | 912.6 | 100 |
| 0                                                                                                                                                                                                                                            | 4884                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                            | 4018                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                           | 1561                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                           | 55                                                                                                                                                                                                                                                                                                                                                                                               |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                           | 5                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                           | 0                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                           | 0                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                           | 305                                                                                                                                                                                                                                                                                                                                                                                              | 1.6'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                           | 136                                                                                                                                                                                                                                                                                                                                                                                              | 2.4'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                           | 76.3                                                                                                                                                                                                                                                                                                                                                                                             | 3.2'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                          | 48.8                                                                                                                                                                                                                                                                                                                                                                                             | 4.1'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                         | Lumens                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                        | 896.2                                                                                                                                                                                                                                                                                                                                                                                            | 98.2                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                        | 902.3                                                                                                                                                                                                                                                                                                                                                                                            | 98.9                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                        | 905.3                                                                                                                                                                                                                                                                                                                                                                                            | 99.2                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                        | 912.6                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| PHOTOMETRIC REPORT                                                                                                                                                                                                                           | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| <div>Product #: LU45RD27TW (Tilted at 0°, 1500lm); 36°<br/>Wattage: 13.05W<br/>Delivered Lumens: 696.4 lm<br/>Luminaire LPW: 53.34 lm/W</div> <div></div> | <div>Degress Vertical0°</div> <table><tr><td>0</td><td>2418</td></tr><tr><td>5</td><td>2273</td></tr><tr><td>15</td><td>1259</td></tr><tr><td>25</td><td>239</td></tr><tr><td>35</td><td>4</td></tr><tr><td>45</td><td>3</td></tr><tr><td>55</td><td>3</td></tr><tr><td>65</td><td>4</td></tr><tr><td>75</td><td>6</td></tr><tr><td>85</td><td>4</td></tr><tr><td>90</td><td>0</td></tr></table> | 0                         | 2418 | 5 | 2273 | 15 | 1259 | 25 | 239 | 35 | 4 | 45 | 3 | 55 | 3 | 65 | 4 | 75 | 6 | 85 | 4 | 90 | 0 | <div>Distance to Target PlaneCenter Beam FootcandlesBeam Diameter</div> <table><tr><td>4'</td><td>151</td><td>2.2'</td></tr><tr><td>6'</td><td>67.2</td><td>3.4'</td></tr><tr><td>8'</td><td>37.8</td><td>4.5'</td></tr><tr><td>10'</td><td>24.2</td><td>5.6'</td></tr></table> <div>ZONAL LUMEN SUMMARY</div> <table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>685.7</td><td>98.5</td></tr><tr><td>0-40°</td><td>688.3</td><td>98.9</td></tr><tr><td>0-60°</td><td>691.7</td><td>99.4</td></tr><tr><td>0-90°</td><td>696.1</td><td>100</td></tr></table>  | 4' | 151  | 2.2' | 6' | 67.2 | 3.4' | 8' | 37.8 | 4.5' | 10' | 24.2 | 5.6' | Zone | Lumens | %Luminaire | 0-30° | 685.7 | 98.5 | 0-40° | 688.3 | 98.9 | 0-60° | 691.7 | 99.4 | 0-90° | 696.1 | 100 |
| 0                                                                                                                                                                                                                                            | 2418                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                            | 2273                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                           | 1259                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                           | 239                                                                                                                                                                                                                                                                                                                                                                                              |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                           | 6                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                           | 0                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                           | 151                                                                                                                                                                                                                                                                                                                                                                                              | 2.2'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                           | 67.2                                                                                                                                                                                                                                                                                                                                                                                             | 3.4'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                           | 37.8                                                                                                                                                                                                                                                                                                                                                                                             | 4.5'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                          | 24.2                                                                                                                                                                                                                                                                                                                                                                                             | 5.6'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                         | Lumens                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                        | 685.7                                                                                                                                                                                                                                                                                                                                                                                            | 98.5                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                        | 688.3                                                                                                                                                                                                                                                                                                                                                                                            | 98.9                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                        | 691.7                                                                                                                                                                                                                                                                                                                                                                                            | 99.4                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                        | 696.1                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| PHOTOMETRIC REPORT                                                                                                                                                                                                                           | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| <div>Product #: LU45RD27TW (Tilted at 0°, 1500lm); 50°<br/>Wattage: 12.64W<br/>Delivered Lumens: 627.2 lm<br/>Luminaire LPW: 49.59 lm/W</div> <div></div> | <div>Degress Vertical0°</div> <table><tr><td>0</td><td>1436</td></tr><tr><td>5</td><td>1344</td></tr><tr><td>15</td><td>1017</td></tr><tr><td>25</td><td>423</td></tr><tr><td>35</td><td>4</td></tr><tr><td>45</td><td>3</td></tr><tr><td>55</td><td>3</td></tr><tr><td>65</td><td>4</td></tr><tr><td>75</td><td>6</td></tr><tr><td>85</td><td>4</td></tr><tr><td>90</td><td>0</td></tr></table> | 0                         | 1436 | 5 | 1344 | 15 | 1017 | 25 | 423 | 35 | 4 | 45 | 3 | 55 | 3 | 65 | 4 | 75 | 6 | 85 | 4 | 90 | 0 | <div>Distance to Target PlaneCenter Beam FootcandlesBeam Diameter</div> <table><tr><td>4'</td><td>89.7</td><td>3.0'</td></tr><tr><td>6'</td><td>39.9</td><td>4.5'</td></tr><tr><td>8'</td><td>22.4</td><td>5.9'</td></tr><tr><td>10'</td><td>14.4</td><td>7.4'</td></tr></table> <div>ZONAL LUMEN SUMMARY</div> <table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>610.3</td><td>97.4</td></tr><tr><td>0-40°</td><td>618.5</td><td>98.7</td></tr><tr><td>0-60°</td><td>622.1</td><td>99.3</td></tr><tr><td>0-90°</td><td>626.8</td><td>100</td></tr></table> | 4' | 89.7 | 3.0' | 6' | 39.9 | 4.5' | 8' | 22.4 | 5.9' | 10' | 14.4 | 7.4' | Zone | Lumens | %Luminaire | 0-30° | 610.3 | 97.4 | 0-40° | 618.5 | 98.7 | 0-60° | 622.1 | 99.3 | 0-90° | 626.8 | 100 |
| 0                                                                                                                                                                                                                                            | 1436                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                            | 1344                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                           | 1017                                                                                                                                                                                                                                                                                                                                                                                             |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                           | 423                                                                                                                                                                                                                                                                                                                                                                                              |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                           | 3                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                           | 6                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                           | 0                                                                                                                                                                                                                                                                                                                                                                                                |                           |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                           | 89.7                                                                                                                                                                                                                                                                                                                                                                                             | 3.0'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                           | 39.9                                                                                                                                                                                                                                                                                                                                                                                             | 4.5'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                           | 22.4                                                                                                                                                                                                                                                                                                                                                                                             | 5.9'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                          | 14.4                                                                                                                                                                                                                                                                                                                                                                                             | 7.4'                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                         | Lumens                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                        | 610.3                                                                                                                                                                                                                                                                                                                                                                                            | 97.4                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                        | 618.5                                                                                                                                                                                                                                                                                                                                                                                            | 98.7                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                        | 622.1                                                                                                                                                                                                                                                                                                                                                                                            | 99.3                      |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                        | 626.8                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |      |   |      |    |      |    |     |    |   |    |   |    |   |    |   |    |   |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |      |      |    |      |      |    |      |      |     |      |      |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |

PHOTOMETRIC REPORT

4" Round Wall Wash with Linear Lens

| PHOTOMETRIC REPORT                                                                                                                                                                                                                                      | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|---|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|----|----|----|----|---|----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------|---------------|----|------|------|----|------|------|----|------|-------|-----|------|-------|------|--------|------------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|-----|
| <div>Product #: LU45RD33T94W (1500lm); 15°</div> <div>Wattage: 12.63W</div> <div>Delivered Lumens: 1875.1 lm</div> <div>Luminaire LPW: 148.46 lm/W</div> <div></div>   | <div>Degress Vertical0°</div> <div><table><tr><td>0</td><td>779</td></tr><tr><td>5</td><td>773</td></tr><tr><td>15</td><td>698</td></tr><tr><td>25</td><td>561</td></tr><tr><td>35</td><td>407</td></tr><tr><td>45</td><td>268</td></tr><tr><td>55</td><td>128</td></tr><tr><td>65</td><td>29</td></tr><tr><td>75</td><td>9</td></tr><tr><td>85</td><td>3</td></tr><tr><td>90</td><td>0</td></tr></table></div>  | 0                         | 779 | 5 | 773 | 15 | 698 | 25 | 561 | 35 | 407 | 45 | 268 | 55 | 128 | 65 | 29 | 75 | 9  | 85 | 3 | 90 | 0 | <div><table><tr><th>Distance to Target Plane</th><th>Center Beam Footcandles</th><th>Beam Diameter</th></tr><tr><td>4'</td><td>48.7</td><td>4.2'</td></tr><tr><td>6'</td><td>21.6</td><td>6.4'</td></tr><tr><td>8'</td><td>12.2</td><td>8.5'</td></tr><tr><td>10'</td><td>7.79</td><td>10.6'</td></tr></table></div> <div>ZONAL LUMEN SUMMARY</div> <div><table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>483.5</td><td>50.5</td></tr><tr><td>0-40°</td><td>696.3</td><td>72.7</td></tr><tr><td>0-60°</td><td>932.6</td><td>97.4</td></tr><tr><td>0-90°</td><td>957.5</td><td>100</td></tr></table></div>  | Distance to Target Plane | Center Beam Footcandles | Beam Diameter | 4' | 48.7 | 4.2' | 6' | 21.6 | 6.4' | 8' | 12.2 | 8.5'  | 10' | 7.79 | 10.6' | Zone | Lumens | %Luminaire | 0-30° | 483.5 | 50.5 | 0-40° | 696.3 | 72.7 | 0-60° | 932.6 | 97.4 | 0-90° | 957.5 | 100 |
| 0                                                                                                                                                                                                                                                       | 779                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                                       | 773                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                                      | 698                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                                      | 561                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                                      | 407                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                                      | 268                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                                      | 128                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                                      | 29                                                                                                                                                                                                                                                                                                                                                                                                               |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                                      | 9                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                                      | 3                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                                      | 0                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Distance to Target Plane                                                                                                                                                                                                                                | Center Beam Footcandles                                                                                                                                                                                                                                                                                                                                                                                          | Beam Diameter             |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                                      | 48.7                                                                                                                                                                                                                                                                                                                                                                                                             | 4.2'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                                      | 21.6                                                                                                                                                                                                                                                                                                                                                                                                             | 6.4'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                                      | 12.2                                                                                                                                                                                                                                                                                                                                                                                                             | 8.5'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                                     | 7.79                                                                                                                                                                                                                                                                                                                                                                                                             | 10.6'                     |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                                    | Lumens                                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                                   | 483.5                                                                                                                                                                                                                                                                                                                                                                                                            | 50.5                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                                   | 696.3                                                                                                                                                                                                                                                                                                                                                                                                            | 72.7                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                                   | 932.6                                                                                                                                                                                                                                                                                                                                                                                                            | 97.4                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                                   | 957.5                                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| PHOTOMETRIC REPORT                                                                                                                                                                                                                                      | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| <div>Product #: LU45RD33T94W (1500lm); 24°</div> <div>Wattage / Lumens: 12.64W / 1875.1 lm</div> <div>Luminaire LPW: 148.34 lm/W</div> <div></div>                    | <div>Degress Vertical0°</div> <div><table><tr><td>0</td><td>752</td></tr><tr><td>5</td><td>742</td></tr><tr><td>15</td><td>664</td></tr><tr><td>25</td><td>533</td></tr><tr><td>35</td><td>389</td></tr><tr><td>45</td><td>260</td></tr><tr><td>55</td><td>134</td></tr><tr><td>65</td><td>30</td></tr><tr><td>75</td><td>9</td></tr><tr><td>85</td><td>3</td></tr><tr><td>90</td><td>0</td></tr></table></div>  | 0                         | 752 | 5 | 742 | 15 | 664 | 25 | 533 | 35 | 389 | 45 | 260 | 55 | 134 | 65 | 30 | 75 | 9  | 85 | 3 | 90 | 0 | <div><table><tr><th>Distance to Target Plane</th><th>Center Beam Footcandles</th><th>Beam Diameter</th></tr><tr><td>4'</td><td>47.0</td><td>4.4'</td></tr><tr><td>6'</td><td>20.9</td><td>6.7'</td></tr><tr><td>8'</td><td>11.7</td><td>8.9'</td></tr><tr><td>10'</td><td>7.52</td><td>11.1'</td></tr></table></div> <div>ZONAL LUMEN SUMMARY</div> <div><table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>473.0</td><td>49.3</td></tr><tr><td>0-40°</td><td>686.9</td><td>71.5</td></tr><tr><td>0-60°</td><td>934.1</td><td>97.3</td></tr><tr><td>0-90°</td><td>960.2</td><td>100</td></tr></table></div>  | Distance to Target Plane | Center Beam Footcandles | Beam Diameter | 4' | 47.0 | 4.4' | 6' | 20.9 | 6.7' | 8' | 11.7 | 8.9'  | 10' | 7.52 | 11.1' | Zone | Lumens | %Luminaire | 0-30° | 473.0 | 49.3 | 0-40° | 686.9 | 71.5 | 0-60° | 934.1 | 97.3 | 0-90° | 960.2 | 100 |
| 0                                                                                                                                                                                                                                                       | 752                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                                       | 742                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                                      | 664                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                                      | 533                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                                      | 389                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                                      | 260                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                                      | 134                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                                      | 30                                                                                                                                                                                                                                                                                                                                                                                                               |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                                      | 9                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                                      | 3                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                                      | 0                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Distance to Target Plane                                                                                                                                                                                                                                | Center Beam Footcandles                                                                                                                                                                                                                                                                                                                                                                                          | Beam Diameter             |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                                      | 47.0                                                                                                                                                                                                                                                                                                                                                                                                             | 4.4'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                                      | 20.9                                                                                                                                                                                                                                                                                                                                                                                                             | 6.7'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                                      | 11.7                                                                                                                                                                                                                                                                                                                                                                                                             | 8.9'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                                     | 7.52                                                                                                                                                                                                                                                                                                                                                                                                             | 11.1'                     |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                                    | Lumens                                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                                   | 473.0                                                                                                                                                                                                                                                                                                                                                                                                            | 49.3                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                                   | 686.9                                                                                                                                                                                                                                                                                                                                                                                                            | 71.5                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                                   | 934.1                                                                                                                                                                                                                                                                                                                                                                                                            | 97.3                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                                   | 960.2                                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| PHOTOMETRIC REPORT                                                                                                                                                                                                                                      | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| <div>Product #: LU45RD33T94W (1500lm); 36°</div> <div>Wattage: 12.68W</div> <div>Delivered Lumens: 1875.1 lm</div> <div>Luminaire LPW: 147.87 lm/W</div> <div></div> | <div>Degress Vertical0°</div> <div><table><tr><td>0</td><td>650</td></tr><tr><td>5</td><td>639</td></tr><tr><td>15</td><td>572</td></tr><tr><td>25</td><td>472</td></tr><tr><td>35</td><td>365</td></tr><tr><td>45</td><td>259</td></tr><tr><td>55</td><td>141</td></tr><tr><td>65</td><td>31</td></tr><tr><td>75</td><td>12</td></tr><tr><td>85</td><td>4</td></tr><tr><td>90</td><td>0</td></tr></table></div> | 0                         | 650 | 5 | 639 | 15 | 572 | 25 | 472 | 35 | 365 | 45 | 259 | 55 | 141 | 65 | 31 | 75 | 12 | 85 | 4 | 90 | 0 | <div><table><tr><th>Distance to Target Plane</th><th>Center Beam Footcandles</th><th>Beam Diameter</th></tr><tr><td>4'</td><td>40.6</td><td>5.3'</td></tr><tr><td>6'</td><td>18.1</td><td>8.0'</td></tr><tr><td>8'</td><td>10.2</td><td>10.7'</td></tr><tr><td>10'</td><td>6.50</td><td>13.3'</td></tr></table></div> <div>ZONAL LUMEN SUMMARY</div> <div><table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>429.0</td><td>45.5</td></tr><tr><td>0-40°</td><td>643.7</td><td>68.3</td></tr><tr><td>0-60°</td><td>911.7</td><td>96.7</td></tr><tr><td>0-90°</td><td>942.4</td><td>100</td></tr></table></div> | Distance to Target Plane | Center Beam Footcandles | Beam Diameter | 4' | 40.6 | 5.3' | 6' | 18.1 | 8.0' | 8' | 10.2 | 10.7' | 10' | 6.50 | 13.3' | Zone | Lumens | %Luminaire | 0-30° | 429.0 | 45.5 | 0-40° | 643.7 | 68.3 | 0-60° | 911.7 | 96.7 | 0-90° | 942.4 | 100 |
| 0                                                                                                                                                                                                                                                       | 650                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                                       | 639                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                                      | 572                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                                      | 472                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                                      | 365                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                                      | 259                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                                      | 141                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                                      | 31                                                                                                                                                                                                                                                                                                                                                                                                               |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                                      | 12                                                                                                                                                                                                                                                                                                                                                                                                               |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                                      | 0                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Distance to Target Plane                                                                                                                                                                                                                                | Center Beam Footcandles                                                                                                                                                                                                                                                                                                                                                                                          | Beam Diameter             |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                                      | 40.6                                                                                                                                                                                                                                                                                                                                                                                                             | 5.3'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                                      | 18.1                                                                                                                                                                                                                                                                                                                                                                                                             | 8.0'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                                      | 10.2                                                                                                                                                                                                                                                                                                                                                                                                             | 10.7'                     |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                                     | 6.50                                                                                                                                                                                                                                                                                                                                                                                                             | 13.3'                     |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                                    | Lumens                                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                                   | 429.0                                                                                                                                                                                                                                                                                                                                                                                                            | 45.5                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                                   | 643.7                                                                                                                                                                                                                                                                                                                                                                                                            | 68.3                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                                   | 911.7                                                                                                                                                                                                                                                                                                                                                                                                            | 96.7                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                                   | 942.4                                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| PHOTOMETRIC REPORT                                                                                                                                                                                                                                      | CANDLE POWER SUMMARY                                                                                                                                                                                                                                                                                                                                                                                             | ILLUMINANCE AT A DISTANCE |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| <div>Product #: LU45RD33T94W (1500lm); 50°</div> <div>Wattage: 12.97W</div> <div>Delivered Lumens: 1875.1 lm</div> <div>Luminaire LPW: 144.57 lm/W</div> <div></div> | <div>Degress Vertical0°</div> <div><table><tr><td>0</td><td>530</td></tr><tr><td>5</td><td>520</td></tr><tr><td>15</td><td>467</td></tr><tr><td>25</td><td>395</td></tr><tr><td>35</td><td>318</td></tr><tr><td>45</td><td>239</td></tr><tr><td>55</td><td>144</td></tr><tr><td>65</td><td>31</td></tr><tr><td>75</td><td>12</td></tr><tr><td>85</td><td>4</td></tr><tr><td>90</td><td>0</td></tr></table></div> | 0                         | 530 | 5 | 520 | 15 | 467 | 25 | 395 | 35 | 318 | 45 | 239 | 55 | 144 | 65 | 31 | 75 | 12 | 85 | 4 | 90 | 0 | <div><table><tr><th>Distance to Target Plane</th><th>Center Beam Footcandles</th><th>Beam Diameter</th></tr><tr><td>4'</td><td>33.1</td><td>6.2'</td></tr><tr><td>6'</td><td>14.7</td><td>9.3'</td></tr><tr><td>8'</td><td>8.28</td><td>12.5'</td></tr><tr><td>10'</td><td>5.30</td><td>15.6'</td></tr></table></div> <div>ZONAL LUMEN SUMMARY</div> <div><table><tr><th>Zone</th><th>Lumens</th><th>%Luminaire</th></tr><tr><td>0-30°</td><td>362.4</td><td>42.3</td></tr><tr><td>0-40°</td><td>557.6</td><td>65.1</td></tr><tr><td>0-60°</td><td>824.9</td><td>96.3</td></tr><tr><td>0-90°</td><td>856.9</td><td>100</td></tr></table></div> | Distance to Target Plane | Center Beam Footcandles | Beam Diameter | 4' | 33.1 | 6.2' | 6' | 14.7 | 9.3' | 8' | 8.28 | 12.5' | 10' | 5.30 | 15.6' | Zone | Lumens | %Luminaire | 0-30° | 362.4 | 42.3 | 0-40° | 557.6 | 65.1 | 0-60° | 824.9 | 96.3 | 0-90° | 856.9 | 100 |
| 0                                                                                                                                                                                                                                                       | 530                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 5                                                                                                                                                                                                                                                       | 520                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 15                                                                                                                                                                                                                                                      | 467                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 25                                                                                                                                                                                                                                                      | 395                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 35                                                                                                                                                                                                                                                      | 318                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 45                                                                                                                                                                                                                                                      | 239                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 55                                                                                                                                                                                                                                                      | 144                                                                                                                                                                                                                                                                                                                                                                                                              |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 65                                                                                                                                                                                                                                                      | 31                                                                                                                                                                                                                                                                                                                                                                                                               |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 75                                                                                                                                                                                                                                                      | 12                                                                                                                                                                                                                                                                                                                                                                                                               |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 85                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 90                                                                                                                                                                                                                                                      | 0                                                                                                                                                                                                                                                                                                                                                                                                                |                           |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Distance to Target Plane                                                                                                                                                                                                                                | Center Beam Footcandles                                                                                                                                                                                                                                                                                                                                                                                          | Beam Diameter             |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 4'                                                                                                                                                                                                                                                      | 33.1                                                                                                                                                                                                                                                                                                                                                                                                             | 6.2'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 6'                                                                                                                                                                                                                                                      | 14.7                                                                                                                                                                                                                                                                                                                                                                                                             | 9.3'                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 8'                                                                                                                                                                                                                                                      | 8.28                                                                                                                                                                                                                                                                                                                                                                                                             | 12.5'                     |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 10'                                                                                                                                                                                                                                                     | 5.30                                                                                                                                                                                                                                                                                                                                                                                                             | 15.6'                     |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| Zone                                                                                                                                                                                                                                                    | Lumens                                                                                                                                                                                                                                                                                                                                                                                                           | %Luminaire                |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-30°                                                                                                                                                                                                                                                   | 362.4                                                                                                                                                                                                                                                                                                                                                                                                            | 42.3                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-40°                                                                                                                                                                                                                                                   | 557.6                                                                                                                                                                                                                                                                                                                                                                                                            | 65.1                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-60°                                                                                                                                                                                                                                                   | 824.9                                                                                                                                                                                                                                                                                                                                                                                                            | 96.3                      |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |
| 0-90°                                                                                                                                                                                                                                                   | 856.9                                                                                                                                                                                                                                                                                                                                                                                                            | 100                       |     |   |     |    |     |    |     |    |     |    |     |    |     |    |    |    |    |    |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                         |               |    |      |      |    |      |      |    |      |       |     |      |       |      |        |            |       |       |      |       |       |      |       |       |      |       |       |     |