

# PHILIPS Day-Brite CFI

Linear

FluxStream strip

2', 3', 4' and 8'



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lumens: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

Philips Day-Brite / Philips CFI FluxStream LED strip is a high performing luminaire delivering smooth diffuse light ideal for light industrial, commercial and residential applications with the unparalleled energy efficiency of Philips LED lighting.

## Ordering guide

Example: FSS440L840-UNV-DIM

| Series               | Length (nominal) | Lumens <sup>2</sup> (nominal)  | Color temp. (K)                                     | Voltage   | Driver   | Options  |
|----------------------|------------------|--|---|---|--|--|
| FSS                  |                  |  |   |   |  |  |
| FSS FluxStream strip | 2' 2' length     | 20L 2000 lumens<br>30L 3000 lumens   | 830 80 CRI, 3000K<br>835 80 CRI, 3500K              | UNV Universal voltage 120-277V<br>120 <sup>4</sup> 120V<br>277 <sup>4</sup> 277V<br>347 <sup>5</sup> 347V | DIM <sup>12,13</sup> Dimming<br>SDIM <sup>6,7</sup> Step dimming to 40% input power<br>XDIM <sup>4,6,7</sup> MarkX phase dimming<br>DALI <sup>8</sup> DALI | EMLED <sup>5,6,9</sup> Factory wired Philips Bodine BSL310LP integral emergency pack. Nominal 1100lm<br>LSXR10 120-347V motion sensor, factory installed on end cap<br>LSXR10ADC <sup>10</sup> 120-347V motion sensor with photocell and hi/lo trim dimming, factory installed on end cap<br>IAP <sup>10</sup> Integral Interact Pro RF sensor, enables network lighting control<br>SWZDT <sup>10</sup> Integral sensor, daylighting and occupancy, advanced grouping, with dwell time<br>DAYOCC <sup>10</sup> Integral sensor, daylighting and occupancy, Philips EasySense SNS102<br>PAF Paint after fabrication for extra corrosion resistance (white)<br>BK Matte black paint color<br>ST Satin aluminum paint color |
|                      | 3' 3' length     | 30L 3000 lumens  | 840 80 CRI, 4000K<br>850 <sup>3</sup> 80 CRI, 5000K |   |  |  |
|                      | 4' 4' length     | 30L 3000 lumens<br>40L 4000 lumens<br>55L 5500 lumens<br>70L 7000 lumens     |   |   |  |  |
|                      | 8' 8' length     | 60L 6000 lumens<br>80L 8000 lumens<br>110L 11000 lumens<br>140L 14000 lumens |   |   |  |  |

1. 8' is tandem (2) 4' lenses with single piece 8' body.

2. Nominal delivered lumens at 25°C ambient.

3. Not available in 3' model.

4. XDIM option must be specified with 120V or 277V option only.

5. 347V with EMLED only available in 8' models.

6. Not available in 2' or 3' model.

7. Not available in 4' 70L model or 8' 140L model.

8. DALI available up to 80L models only, consult factory for other options.

9. EMLED on 8' models illuminates 4' section in emergency mode.

10. Available with DIM driver option only.

11. Not available in 8' 110L or 140L models.

12. Integral IAP, SWZDT and DAYOCC options dimmable to 5% via wireless wall switch. See p.2.

13. Non-integral controls configurations are 0-10V dimmable to 1%.

## Accessories (order separately)

- FSSD2L - 2' Diffuse replacement lens
- FSSD3L - 3' Diffuse replacement lens
- FSSD4L - 4' Diffuse replacement lens (order two for 8' models)
- FSSWG4 - 4' wire guard (order two for 8' models)
- FSTH - Sliding hanger bracket (set of two)
- LSXR10 - Low bay PIR motion sensor, 120-277V
- LSXR10ADC - Low bay PIR motion sensor with photocell and hi/lo trim dimming, 120-277V
- FSSDEK - Decorative plastic end cap (set of two)
- (See last page for details and more options)

## General notes

Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.



interact  
ready.

# FSS FluxStream LED strip

2', 3', 4' and 8'

## Features

- Compact design for installation in tight spaces
- Frosted acrylic diffuser provides wide light distribution and superior glare control
- Diffuser and LED plate snap into place allowing tool-free access to LED boards and driver
- 2', 3', 4' and 8' tandem lengths available to accommodate many field applications
- Up to 100,000 hour predicted L70 LED lumen maintenance provides long service life to reduce maintenance costs
- Can be surface mounted on ceilings or walls, or suspended via chain, pendants or cables
- Wall mountable - ADA compliant
- Ideal for cold applications (-20°C)
- Continuous row mounting using standard end caps. No extra parts needed
- 7/8" knock out provided at each end and on base of luminaire. Note: Center knockout is covered and not useable in 4' version with EMLED option.
- Multiple driver options available with 0-10v as standard
- Enclosed lens minimizes penetration of dust, insects, and other debris into the LED compartment.
- 8' tandem unit is two 4' optical assemblies with a center mullion on a single full length chassis.
- Integral controls options include sensor mounted in control module extension mounted on fixture end (see dimension drawing). Controls are commissioned via intuitive Philips app on a Droid smartphone either through NFC or an IR blaster.
- Fluxstream luminaires are Designlights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (<http://www.designlights.org/QPL>).
- 5 year manufacturer's limited warranty Visit [www.philips.com/warranties](http://www.philips.com/warranties) for complete warranty information.

## Finish

- Baked white acrylic matte high reflectance paint finish
- PAF option gives extra corrosion resistance for canopy or humid applications.

## Shielding

- Contoured frosted acrylic lens

## Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. Total system life rated at 50,000 hours. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Integral emergency driver with EMLED option. To estimate lumen output in emergency mode, multiply emergency pack wattage by efficacy, then by 1.10.

## Materials

- Heavy gauge cold rolled steel housing, LED plate, and end caps

## DAYOCC & SpaceWise DT (SWZDT)

- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible wireless wall switch only (see below)
- Register for the commissioning app at <http://registration.componentcloud.philips.com/appregistration/>
- Integral sensing options (DAYOCC, SWZDT) may not be combined
- For more information including recommended switches, refer to the following –

**DAYOCC** – [www.lightingproducts.philips.com/documents/webdb2/DayBrite/pdf/DAYOCC\\_sensor.pdf](http://www.lightingproducts.philips.com/documents/webdb2/DayBrite/pdf/DAYOCC_sensor.pdf)

**SWZDT** – [www.lightingproducts.philips.com/documents/webdb2/DayBrite/pdf/SWZDT\\_sensor.pdf](http://www.lightingproducts.philips.com/documents/webdb2/DayBrite/pdf/SWZDT_sensor.pdf) between luminaires, and closest luminaire to wall switch

## Interact Pro (IAP)

- Interact Pro brings the power of connected lighting to small and medium businesses without the complexity usually associated with connected lighting.
- Interact Pro includes an app, a portal and a broad portfolio of wireless Luminaires, lamps and retrofit kits all working on the same system.
- Commissioning via Interact Pro App (Android or iPhone)
- Prepare commissioning remotely via Interact Pro portal
- Requires compatible Interact Pro Gateway and internet connectivity for commissioning
- Compatible with UID8451/10 ZigBee Greenpower wireless dimmer switch
- Compatible with wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) or wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1)
- For more information on Interact Pro visit: [www.interact-lighting.com/pro](http://www.interact-lighting.com/pro)
- For more information on Interact Ready visit: [www.philips.com/interactready](http://www.philips.com/interactready)

## Labels

- cETLus listed
- Suitable for damp locations

# FSS FluxStream LED strip

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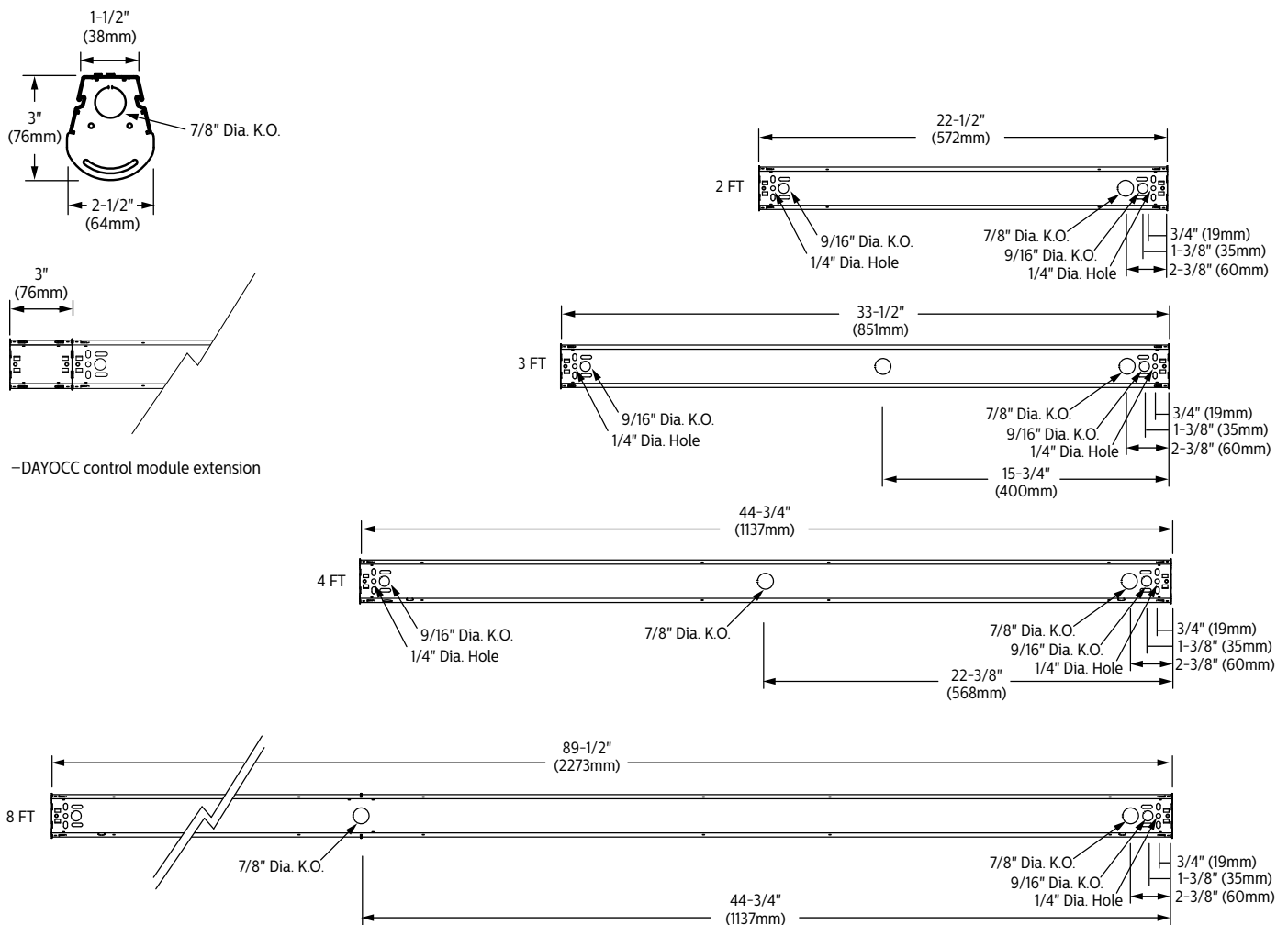
## Performance data

| Fixture | Lumens | Wattage | Efficacy |
|---------|--------|---------|----------|
| FSS220L | 2000lm | 17W     | 123lm/w  |
| FSS330L | 3000lm | 26W     | 119lm/w  |
| FSS440L | 4000lm | 31W     | 133lm/w  |
| FSS455L | 5500lm | 45W     | 129lm/w  |
| FSS470L | 7000lm | 58W     | 126lm/w  |

## Ambient temperature data

| Configuration | Ambient       |
|---------------|---------------|
| FSS470L       | -20°C to 30°C |
| FSS8110L      | -20°C to 35°C |
| FSS8140L      | -20°C to 25°C |
| EMLED option  | Minimum 0°C   |
| All others    | -20°C to 40°C |

## Dimensions



# FSS FluxStream LED strip

2', 3', 4' and 8'

## Photometry

### 2' FluxStream LED strip, 2000 nominal delivered lumens

LER - 123

|                    |                    |
|--------------------|--------------------|
| <b>Catalog No.</b> | FSS220L840-UNV-DIM |
| <b>Test No.</b>    | 37164              |
| <b>S/MH</b>        | 1.2                |
| <b>Lamp Type</b>   | LED                |
| <b>Lumens</b>      | 2034               |
| <b>Input Watts</b> | 17                 |

Comparative yearly lighting energy cost per 1000 lumens – **\$1.95** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

#### Candlepower

| Angle | End | 45  | Cross | Back-45 |
|-------|-----|-----|-------|---------|
| 0     | 644 | 644 | 644   | 644     |
| 5     | 635 | 641 | 646   | 641     |
| 15    | 610 | 618 | 626   | 618     |
| 25    | 520 | 567 | 585   | 567     |
| 35    | 451 | 474 | 495   | 474     |
| 45    | 371 | 403 | 432   | 403     |
| 55    | 284 | 324 | 362   | 324     |
| 65    | 191 | 243 | 288   | 243     |
| 75    | 96  | 167 | 218   | 167     |
| 85    | 18  | 105 | 155   | 105     |

#### Light Distribution

| Degrees | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30    | 493    | 24.2        |
| 0-40    | 790    | 38.9        |
| 0-60    | 1391   | 68.4        |
| 0-90    | 1910   | 93.9        |
| 90-180  | 124    | 6.1         |
| 0-180   | 2034   | 100         |

#### Average Luminance

| Zone | End   | 45°   | Cross |
|------|-------|-------|-------|
| 45   | 15155 | 12916 | 12955 |
| 55   | 14048 | 11583 | 11859 |
| 65   | 12449 | 10173 | 10781 |
| 75   | 9646  | 8758  | 9839  |
| 85   | 4206  | 7611  | 9181  |

#### Coefficients of Utilization

| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) |      |      |     |      |      |     |      |      |     |      |      |     |
|--|------|------|-----|------|------|-----|------|------|-----|------|------|-----|
| pfc =  | 20   |      |     | 80   |      |     | 70   |      |     | 50   |      |     |
|  | Ceil | Wall | RCR | Ceil | Wall | RCR | Ceil | Wall | RCR | Ceil | Wall | RCR |
| 0  | 118  | 118  | 118 | 114  | 114  | 114 | 114  | 108  | 108 | 108  | 108  | 108 |
| 1  | 106  | 100  | 94  | 102  | 96   | 93  | 92   | 92   | 88  | 88   | 88   | 88  |
| 2  | 95   | 86   | 79  | 92   | 83   | 77  | 80   | 73   | 70  | 70   | 70   | 70  |
| 3  | 86   | 76   | 67  | 83   | 73   | 66  | 69   | 63   | 63  | 63   | 63   | 63  |
| 4  | 79   | 67   | 57  | 77   | 65   | 56  | 61   | 55   | 55  | 55   | 55   | 55  |
| 5  | 72   | 59   | 50  | 69   | 57   | 50  | 55   | 47   | 47  | 47   | 47   | 47  |
| 6  | 67   | 54   | 45  | 65   | 52   | 44  | 50   | 41   | 41  | 41   | 41   | 41  |
| 7  | 61   | 48   | 40  | 59   | 47   | 39  | 45   | 38   | 38  | 38   | 38   | 38  |
| 8  | 57   | 44   | 35  | 56   | 42   | 34  | 41   | 34   | 34  | 34   | 34   | 34  |
| 9  | 54   | 40   | 32  | 53   | 40   | 32  | 38   | 30   | 30  | 30   | 30   | 30  |
| 10   | 51   | 38   | 30  | 49   | 37   | 29  | 35   | 29   | 29  | 29   | 29   | 29  |

### 3' FluxStream LED strip, 3000 nominal delivered lumens

LER - 119

|                    |                    |
|--------------------|--------------------|
| <b>Catalog No.</b> | FSS330L840-UNV-DIM |
| <b>Test No.</b>    | 37132              |
| <b>S/MH</b>        | 1.3                |
| <b>Lamp Type</b>   | LED                |
| <b>Lumens</b>      | 3045               |
| <b>Input Watts</b> | 26                 |

Comparative yearly lighting energy cost per 1000 lumens – **\$2.02** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

#### Candlepower

| Angle | End | 45  | Cross | Back-45 |
|-------|-----|-----|-------|---------|
| 0     | 982 | 982 | 982   | 982     |
| 5     | 966 | 978 | 980   | 978     |
| 15    | 927 | 943 | 948   | 943     |
| 25    | 849 | 869 | 884   | 869     |
| 35    | 738 | 772 | 795   | 772     |
| 45    | 609 | 655 | 690   | 655     |
| 55    | 435 | 505 | 554   | 505     |
| 65    | 293 | 356 | 414   | 356     |
| 75    | 148 | 232 | 301   | 232     |
| 85    | 28  | 129 | 201   | 129     |

#### Light Distribution

| Degrees | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30    | 759    | 24.9        |
| 0-40    | 1241   | 40.8        |
| 0-60    | 2187   | 71.8        |
| 0-90    | 2918   | 95.8        |
| 90-180  | 127    | 4.2         |
| 0-180   | 3045   | 100         |

#### Average Luminance

| Zone | End   | 45°   | Cross |
|------|-------|-------|-------|
| 45   | 16859 | 14162 | 13823 |
| 55   | 14686 | 12197 | 12138 |
| 65   | 13174 | 10098 | 10376 |
| 75   | 10412 | 8269  | 9110  |
| 85   | 4882  | 6455  | 7980  |

#### Coefficients of Utilization

| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) |      |      |     |      |      |     |      |      |     |      |      |     |
|--|------|------|-----|------|------|-----|------|------|-----|------|------|-----|
| pfc =  | 20   |      |     | 80   |      |     | 70   |      |     | 50   |      |     |
|  | Ceil | Wall | RCR | Ceil | Wall | RCR | Ceil | Wall | RCR | Ceil | Wall | RCR |
| 0  | 118  | 118  | 118 | 115  | 115  | 115 | 115  | 109  | 109 | 109  | 109  | 109 |
| 1  | 107  | 101  | 96  | 103  | 98   | 93  | 93   | 93   | 90  | 90   | 90   | 90  |
| 2  | 96   | 88   | 81  | 93   | 85   | 79  | 81   | 76   | 76  | 76   | 76   | 76  |
| 3  | 88   | 77   | 68  | 84   | 75   | 67  | 70   | 65   | 65  | 65   | 65   | 65  |
| 4  | 80   | 68   | 58  | 78   | 66   | 57  | 63   | 56   | 56  | 56   | 56   | 56  |
| 5  | 73   | 60   | 51  | 70   | 58   | 51  | 56   | 48   | 48  | 48   | 48   | 48  |
| 6  | 68   | 55   | 45  | 66   | 53   | 45  | 51   | 44   | 44  | 44   | 44   | 44  |
| 7  | 63   | 48   | 40  | 60   | 47   | 40  | 46   | 39   | 39  | 39   | 39   | 39  |
| 8  | 58   | 45   | 36  | 56   | 44   | 35  | 42   | 34   | 34  | 34   | 34   | 34  |
| 9  | 55   | 40   | 33  | 53   | 40   | 33  | 39   | 32   | 32  | 32   | 32   | 32  |
| 10   | 51   | 38   | 30  | 50   | 38   | 30  | 36   | 29   | 29  | 29   | 29   | 29  |

# FSS FluxStream LED strip

2', 3', 4' and 8'

## Photometry

### 4' FluxStream LED strip, 4000 nominal delivered lumens

LER - 133

| <p><b>Catalog No.</b> FSS440L840-UNV-DIM</p> <p><b>Test No.</b> 37259</p> <p><b>S/MH</b> 1.3</p> <p><b>Lamp Type</b> LED</p> <p><b>Lumens</b> 4130</p> <p><b>Input Watts</b> 31</p> <p>Comparative yearly lighting energy cost per 1000 lumens – <b>\$1.80</b> based on 3000 hrs. and \$.08 pwr KWH.</p> <p>The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.</p> <p>Photometric values based on test performed in compliance with LM-79.</p> | <p style="text-align: center;"><b>Candlepower</b></p> <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> <th>Back-45</th> </tr> </thead> <tbody> <tr><td>0</td><td>1272</td><td>1272</td><td>1272</td><td>1272</td></tr> <tr><td>5</td><td>1250</td><td>1265</td><td>1277</td><td>1265</td></tr> <tr><td>15</td><td>1199</td><td>1221</td><td>1237</td><td>1221</td></tr> <tr><td>25</td><td>1098</td><td>1130</td><td>1157</td><td>1130</td></tr> <tr><td>35</td><td>957</td><td>1005</td><td>1044</td><td>1005</td></tr> <tr><td>45</td><td>791</td><td>860</td><td>910</td><td>860</td></tr> <tr><td>55</td><td>606</td><td>690</td><td>758</td><td>690</td></tr> <tr><td>65</td><td>382</td><td>481</td><td>598</td><td>481</td></tr> <tr><td>75</td><td>194</td><td>326</td><td>416</td><td>326</td></tr> <tr><td>85</td><td>36</td><td>196</td><td>289</td><td>196</td></tr> </tbody> </table> | Angle   | End   | 45      | Cross | Back-45 | 0   | 1272 | 1272 | 1272 | 1272 | 5 | 1250 | 1265 | 1277 | 1265 | 15   | 1199 | 1221 | 1237 | 1221 | 25 | 1098 | 1130 | 1157 | 1130 | 35 | 957 | 1005 | 1044 | 1005 | 45  | 791 | 860 | 910 | 860 | 55  | 606 | 690 | 758 | 690 | 65 | 382 | 481 | 598 | 481 | 75 | 194 | 326 | 416 | 326 | 85 | 36 | 196 | 289 | 196 | <p><b>Light Distribution</b></p> <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>986</td><td>23.9</td></tr> <tr><td>0-40</td><td>1614</td><td>39.1</td></tr> <tr><td>0-60</td><td>2886</td><td>69.9</td></tr> <tr><td>0-90</td><td>3905</td><td>94.6</td></tr> <tr><td>90-180</td><td>225</td><td>5.4</td></tr> <tr><td>0-180</td><td>4130</td><td>100</td></tr> </tbody> </table> | Degrees | Lumens | % Luminaire | 0-30 | 986 | 23.9 | 0-40 | 1614 | 39.1 | 0-60 | 2886 | 69.9 | 0-90 | 3905 | 94.6 | 90-180 | 225 | 5.4 | 0-180 | 4130 | 100 | <p><b>Average Luminance</b></p> <table border="1"> <thead> <tr> <th>Zone</th> <th>End</th> <th>45'</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>16754</td><td>14171</td><td>13847</td></tr> <tr><td>55</td><td>15678</td><td>12712</td><td>12618</td></tr> <tr><td>65</td><td>13207</td><td>10415</td><td>11375</td></tr> <tr><td>75</td><td>10615</td><td>8873</td><td>9550</td></tr> <tr><td>85</td><td>5052</td><td>7511</td><td>8720</td></tr> </tbody> </table> | Zone | End | 45' | Cross | 45 | 16754 | 14171 | 13847 | 55 | 15678 | 12712 | 12618 | 65 | 13207 | 10415 | 11375 | 75 | 10615 | 8873 | 9550 | 85 | 5052 | 7511 | 8720 |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--|--|---|-------|---------|-------|---------|-----|------|------|------|------|---|------|------|------|------|------|------|------|------|------|----|------|------|------|------|----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|-----|-----|-----|--|---------|--------|-------------|------|-----|------|------|------|------|------|------|------|------|------|------|--------|-----|-----|-------|------|-----|---|------|-----|-----|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|------|------|----|------|------|------|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Angle  | End  | 45  | Cross | Back-45 |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0  | 1272   | 1272  | 1272  | 1272    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 5  | 1250   | 1265  | 1277  | 1265    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 15   | 1199   | 1221  | 1237  | 1221    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 25   | 1098   | 1130  | 1157  | 1130    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 35   | 957  | 1005  | 1044  | 1005    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 45   | 791  | 860   | 910   | 860     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 55   | 606  | 690   | 758   | 690     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 65   | 382  | 481   | 598   | 481     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 75   | 194  | 326   | 416   | 326     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 85   | 36   | 196   | 289   | 196     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Degrees  | Lumens   | % Luminaire   |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-30   | 986  | 23.9  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-40   | 1614   | 39.1  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-60   | 2886   | 69.9  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-90   | 3905   | 94.6  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 90-180   | 225  | 5.4   |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-180  | 4130   | 100   |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Zone   | End  | 45'   | Cross |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 45   | 16754  | 14171   | 13847 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 55   | 15678  | 12712   | 12618 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 65   | 13207  | 10415   | 11375 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 75   | 10615  | 8873  | 9550  |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 85   | 5052   | 7511  | 8720  |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  |  | <p><b>Coefficients of Utilization</b></p> <p>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</p> <table border="1"> <thead> <tr> <th rowspan="2">pfc =</th> <th colspan="3">20</th> <th colspan="3">80</th> <th colspan="3">70</th> <th colspan="3">50</th> </tr> <tr> <th>Ceil</th> <th>Wall</th> <th>RCR</th> <th>70</th> <th>50</th> <th>30</th> <th>70</th> <th>50</th> <th>30</th> <th>50</th> <th>30</th> </tr> </thead> <tbody> <tr><td>0</td><td>118</td><td>118</td><td>118</td><td>114</td><td>114</td><td>114</td><td>108</td><td>108</td><td>108</td><td>108</td><td>108</td></tr> <tr><td>1</td><td>106</td><td>101</td><td>95</td><td>103</td><td>97</td><td>93</td><td>92</td><td>89</td><td>89</td><td>89</td><td>89</td></tr> <tr><td>2</td><td>95</td><td>86</td><td>80</td><td>93</td><td>84</td><td>78</td><td>80</td><td>75</td><td>75</td><td>75</td><td>75</td></tr> <tr><td>3</td><td>86</td><td>76</td><td>67</td><td>83</td><td>73</td><td>66</td><td>69</td><td>64</td><td>64</td><td>64</td><td>64</td></tr> <tr><td>4</td><td>80</td><td>67</td><td>57</td><td>77</td><td>65</td><td>56</td><td>61</td><td>55</td><td>55</td><td>55</td><td>55</td></tr> <tr><td>5</td><td>72</td><td>59</td><td>51</td><td>70</td><td>57</td><td>50</td><td>56</td><td>47</td><td>47</td><td>47</td><td>47</td></tr> <tr><td>6</td><td>68</td><td>54</td><td>45</td><td>65</td><td>53</td><td>44</td><td>50</td><td>42</td><td>42</td><td>42</td><td>42</td></tr> <tr><td>7</td><td>63</td><td>48</td><td>40</td><td>59</td><td>47</td><td>39</td><td>46</td><td>38</td><td>38</td><td>38</td><td>38</td></tr> <tr><td>8</td><td>57</td><td>44</td><td>35</td><td>56</td><td>44</td><td>34</td><td>41</td><td>34</td><td>34</td><td>34</td><td>34</td></tr> <tr><td>9</td><td>54</td><td>40</td><td>32</td><td>53</td><td>40</td><td>32</td><td>38</td><td>30</td><td>30</td><td>30</td><td>30</td></tr> <tr><td>10</td><td>51</td><td>38</td><td>30</td><td>49</td><td>37</td><td>29</td><td>35</td><td>28</td><td>28</td><td>28</td><td>28</td></tr> </tbody> </table> | pfc = | 20      |       |         | 80  |      |      | 70   |      |   | 50   |      |      | Ceil | Wall | RCR  | 70   | 50   | 30   | 70 | 50   | 30   | 50   | 30   | 0  | 118 | 118  | 118  | 114  | 114 | 114 | 108 | 108 | 108 | 108 | 108 | 1   | 106 | 101 | 95 | 103 | 97  | 93  | 92  | 89 | 89  | 89  | 89  | 2   | 95 | 86 | 80  | 93  | 84  | 78   | 80      | 75     | 75          | 75   | 75  | 3    | 86   | 76   | 67   | 83   | 73   | 66   | 69   | 64   | 64   | 64     | 64  | 4   | 80    | 67   | 57  | 77  | 65   | 56  | 61  | 55    | 55 | 55    | 55    | 5     | 72 | 59    | 51    | 70    | 57 | 50    | 56    | 47    | 47 | 47    | 47   | 6    | 68 | 54   | 45   | 65   | 53 | 44 | 50 | 42 | 42 | 42 | 42 | 7 | 63 | 48 | 40 | 59 | 47 | 39 | 46 | 38 | 38 | 38 | 38 | 8 | 57 | 44 | 35 | 56 | 44 | 34 | 41 | 34 | 34 | 34 | 34 | 9 | 54 | 40 | 32 | 53 | 40 | 32 | 38 | 30 | 30 | 30 | 30 | 10 | 51 | 38 | 30 | 49 | 37 | 29 | 35 | 28 | 28 | 28 | 28 |
| pfc =  | 20   |   |       | 80      |       |         | 70  |      |      | 50   |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | Ceil   | Wall  | RCR   | 70      | 50    | 30      | 70  | 50   | 30   | 50   | 30   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0  | 118  | 118   | 118   | 114     | 114   | 114     | 108 | 108  | 108  | 108  | 108  |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 1  | 106  | 101   | 95    | 103     | 97    | 93      | 92  | 89   | 89   | 89   | 89   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2  | 95   | 86  | 80    | 93      | 84    | 78      | 80  | 75   | 75   | 75   | 75   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 3  | 86   | 76  | 67    | 83      | 73    | 66      | 69  | 64   | 64   | 64   | 64   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4  | 80   | 67  | 57    | 77      | 65    | 56      | 61  | 55   | 55   | 55   | 55   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 5  | 72   | 59  | 51    | 70      | 57    | 50      | 56  | 47   | 47   | 47   | 47   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 68   | 54  | 45    | 65      | 53    | 44      | 50  | 42   | 42   | 42   | 42   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 7  | 63   | 48  | 40    | 59      | 47    | 39      | 46  | 38   | 38   | 38   | 38   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 8  | 57   | 44  | 35    | 56      | 44    | 34      | 41  | 34   | 34   | 34   | 34   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 9  | 54   | 40  | 32    | 53      | 40    | 32      | 38  | 30   | 30   | 30   | 30   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10   | 51   | 38  | 30    | 49      | 37    | 29      | 35  | 28   | 28   | 28   | 28   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |     |      |      |      |     |     |     |     |     |     |     |     |     |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |  |         |        |             |      |     |      |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |   |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |      |      |    |      |      |      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

### 4' FluxStream LED strip, 5500 nominal delivered lumens

LER - 129

| <p><b>Catalog No.</b> FSS455L840-UNV-DIM</p> <p><b>Test No.</b> 37262</p> <p><b>S/MH</b> 1.3</p> <p><b>Lamp Type</b> LED</p> <p><b>Lumens</b> 5759</p> <p><b>Input Watts</b> 45</p> <p>Comparative yearly lighting energy cost per 1000 lumens – <b>\$1.86</b> based on 3000 hrs. and \$.08 pwr KWH.</p> <p>The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.</p> <p>Photometric values based on test performed in compliance with LM-79.</p> | <p style="text-align: center;"><b>Candlepower</b></p> <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> <th>Back-45</th> </tr> </thead> <tbody> <tr><td>0</td><td>1788</td><td>1788</td><td>1788</td><td>1788</td></tr> <tr><td>5</td><td>1757</td><td>1777</td><td>1792</td><td>1777</td></tr> <tr><td>15</td><td>1685</td><td>1715</td><td>1736</td><td>1715</td></tr> <tr><td>25</td><td>1544</td><td>1585</td><td>1623</td><td>1585</td></tr> <tr><td>35</td><td>1346</td><td>1408</td><td>1462</td><td>1408</td></tr> <tr><td>45</td><td>1113</td><td>1202</td><td>1271</td><td>1202</td></tr> <tr><td>55</td><td>852</td><td>960</td><td>1055</td><td>960</td></tr> <tr><td>65</td><td>575</td><td>712</td><td>828</td><td>712</td></tr> <tr><td>75</td><td>272</td><td>443</td><td>610</td><td>443</td></tr> <tr><td>85</td><td>50</td><td>259</td><td>389</td><td>259</td></tr> </tbody> </table> | Angle   | End   | 45      | Cross | Back-45 | 0   | 1788 | 1788 | 1788 | 1788 | 5 | 1757 | 1777 | 1792 | 1777 | 15   | 1685 | 1715 | 1736 | 1715 | 25 | 1544 | 1585 | 1623 | 1585 | 35 | 1346 | 1408 | 1462 | 1408 | 45  | 1113 | 1202 | 1271 | 1202 | 55  | 852 | 960 | 1055 | 960 | 65 | 575 | 712 | 828 | 712 | 75 | 272 | 443 | 610 | 443 | 85 | 50 | 259 | 389 | 259 | <p><b>Light Distribution</b></p> <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>1384</td><td>24</td></tr> <tr><td>0-40</td><td>2264</td><td>39.3</td></tr> <tr><td>0-60</td><td>4043</td><td>70.2</td></tr> <tr><td>0-90</td><td>5478</td><td>95.1</td></tr> <tr><td>90-180</td><td>281</td><td>4.9</td></tr> <tr><td>0-180</td><td>5759</td><td>100</td></tr> </tbody> </table> | Degrees | Lumens | % Luminaire | 0-30 | 1384 | 24 | 0-40 | 2264 | 39.3 | 0-60 | 4043 | 70.2 | 0-90 | 5478 | 95.1 | 90-180 | 281 | 4.9 | 0-180 | 5759 | 100 | <p><b>Average Luminance</b></p> <table border="1"> <thead> <tr> <th>Zone</th> <th>End</th> <th>45'</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>23558</td><td>19796</td><td>19347</td></tr> <tr><td>55</td><td>22047</td><td>17697</td><td>17574</td></tr> <tr><td>65</td><td>19887</td><td>15425</td><td>15749</td></tr> <tr><td>75</td><td>14898</td><td>12084</td><td>14023</td></tr> <tr><td>85</td><td>7023</td><td>9926</td><td>11749</td></tr> </tbody> </table> | Zone | End | 45' | Cross | 45 | 23558 | 19796 | 19347 | 55 | 22047 | 17697 | 17574 | 65 | 19887 | 15425 | 15749 | 75 | 14898 | 12084 | 14023 | 85 | 7023 | 9926 | 11749 |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--|--|---|-------|---------|-------|---------|-----|------|------|------|------|---|------|------|------|------|------|------|------|------|------|----|------|------|------|------|----|------|------|------|------|-----|------|------|------|------|-----|-----|-----|------|-----|----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|----|-----|-----|-----|---|---------|--------|-------------|------|------|----|------|------|------|------|------|------|------|------|------|--------|-----|-----|-------|------|-----|--|------|-----|-----|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|------|------|-------|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Angle  | End  | 45  | Cross | Back-45 |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0  | 1788   | 1788  | 1788  | 1788    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 5  | 1757   | 1777  | 1792  | 1777    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 15   | 1685   | 1715  | 1736  | 1715    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 25   | 1544   | 1585  | 1623  | 1585    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 35   | 1346   | 1408  | 1462  | 1408    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 45   | 1113   | 1202  | 1271  | 1202    |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 55   | 852  | 960   | 1055  | 960     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 65   | 575  | 712   | 828   | 712     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 75   | 272  | 443   | 610   | 443     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 85   | 50   | 259   | 389   | 259     |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Degrees  | Lumens   | % Luminaire   |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-30   | 1384   | 24  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-40   | 2264   | 39.3  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-60   | 4043   | 70.2  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-90   | 5478   | 95.1  |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 90-180   | 281  | 4.9   |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0-180  | 5759   | 100   |       |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Zone   | End  | 45'   | Cross |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 45   | 23558  | 19796   | 19347 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 55   | 22047  | 17697   | 17574 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 65   | 19887  | 15425   | 15749 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 75   | 14898  | 12084   | 14023 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 85   | 7023   | 9926  | 11749 |         |       |         |     |      |      |      |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  |  | <p><b>Coefficients of Utilization</b></p> <p>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</p> <table border="1"> <thead> <tr> <th rowspan="2">pfc =</th> <th colspan="3">20</th> <th colspan="3">80</th> <th colspan="3">70</th> <th colspan="3">50</th> </tr> <tr> <th>Ceil</th> <th>Wall</th> <th>RCR</th> <th>70</th> <th>50</th> <th>30</th> <th>70</th> <th>50</th> <th>30</th> <th>50</th> <th>30</th> </tr> </thead> <tbody> <tr><td>0</td><td>118</td><td>118</td><td>118</td><td>115</td><td>115</td><td>115</td><td>108</td><td>108</td><td>108</td><td>108</td><td>108</td></tr> <tr><td>1</td><td>106</td><td>101</td><td>95</td><td>103</td><td>97</td><td>93</td><td>93</td><td>89</td><td>89</td><td>89</td><td>89</td></tr> <tr><td>2</td><td>95</td><td>86</td><td>80</td><td>93</td><td>84</td><td>78</td><td>80</td><td>75</td><td>75</td><td>75</td><td>75</td></tr> <tr><td>3</td><td>86</td><td>76</td><td>68</td><td>83</td><td>73</td><td>66</td><td>69</td><td>64</td><td>64</td><td>64</td><td>64</td></tr> <tr><td>4</td><td>80</td><td>67</td><td>57</td><td>77</td><td>66</td><td>56</td><td>61</td><td>55</td><td>55</td><td>55</td><td>55</td></tr> <tr><td>5</td><td>72</td><td>59</td><td>51</td><td>70</td><td>58</td><td>50</td><td>56</td><td>47</td><td>47</td><td>47</td><td>47</td></tr> <tr><td>6</td><td>68</td><td>54</td><td>45</td><td>65</td><td>53</td><td>44</td><td>50</td><td>42</td><td>42</td><td>42</td><td>42</td></tr> <tr><td>7</td><td>63</td><td>48</td><td>40</td><td>60</td><td>47</td><td>39</td><td>46</td><td>38</td><td>38</td><td>38</td><td>38</td></tr> <tr><td>8</td><td>57</td><td>44</td><td>35</td><td>56</td><td>44</td><td>34</td><td>41</td><td>34</td><td>34</td><td>34</td><td>34</td></tr> <tr><td>9</td><td>54</td><td>40</td><td>32</td><td>53</td><td>40</td><td>32</td><td>38</td><td>30</td><td>30</td><td>30</td><td>30</td></tr> <tr><td>10</td><td>51</td><td>38</td><td>30</td><td>49</td><td>37</td><td>29</td><td>36</td><td>29</td><td>29</td><td>29</td><td>29</td></tr> </tbody> </table> | pfc = | 20      |       |         | 80  |      |      | 70   |      |   | 50   |      |      | Ceil | Wall | RCR  | 70   | 50   | 30   | 70 | 50   | 30   | 50   | 30   | 0  | 118  | 118  | 118  | 115  | 115 | 115  | 108  | 108  | 108  | 108 | 108 | 1   | 106  | 101 | 95 | 103 | 97  | 93  | 93  | 89 | 89  | 89  | 89  | 2   | 95 | 86 | 80  | 93  | 84  | 78  | 80      | 75     | 75          | 75   | 75   | 3  | 86   | 76   | 68   | 83   | 73   | 66   | 69   | 64   | 64   | 64     | 64  | 4   | 80    | 67   | 57  | 77   | 66   | 56  | 61  | 55    | 55 | 55    | 55    | 5     | 72 | 59    | 51    | 70    | 58 | 50    | 56    | 47    | 47 | 47    | 47    | 6     | 68 | 54   | 45   | 65    | 53 | 44 | 50 | 42 | 42 | 42 | 42 | 7 | 63 | 48 | 40 | 60 | 47 | 39 | 46 | 38 | 38 | 38 | 38 | 8 | 57 | 44 | 35 | 56 | 44 | 34 | 41 | 34 | 34 | 34 | 34 | 9 | 54 | 40 | 32 | 53 | 40 | 32 | 38 | 30 | 30 | 30 | 30 | 10 | 51 | 38 | 30 | 49 | 37 | 29 | 36 | 29 | 29 | 29 | 29 |
| pfc =  | 20   |   |       | 80      |       |         | 70  |      |      | 50   |      |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | Ceil   | Wall  | RCR   | 70      | 50    | 30      | 70  | 50   | 30   | 50   | 30   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0  | 118  | 118   | 118   | 115     | 115   | 115     | 108 | 108  | 108  | 108  | 108  |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 1  | 106  | 101   | 95    | 103     | 97    | 93      | 93  | 89   | 89   | 89   | 89   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2  | 95   | 86  | 80    | 93      | 84    | 78      | 80  | 75   | 75   | 75   | 75   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 3  | 86   | 76  | 68    | 83      | 73    | 66      | 69  | 64   | 64   | 64   | 64   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4  | 80   | 67  | 57    | 77      | 66    | 56      | 61  | 55   | 55   | 55   | 55   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 5  | 72   | 59  | 51    | 70      | 58    | 50      | 56  | 47   | 47   | 47   | 47   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  | 68   | 54  | 45    | 65      | 53    | 44      | 50  | 42   | 42   | 42   | 42   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 7  | 63   | 48  | 40    | 60      | 47    | 39      | 46  | 38   | 38   | 38   | 38   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 8  | 57   | 44  | 35    | 56      | 44    | 34      | 41  | 34   | 34   | 34   | 34   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 9  | 54   | 40  | 32    | 53      | 40    | 32      | 38  | 30   | 30   | 30   | 30   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10   | 51   | 38  | 30    | 49      | 37    | 29      | 36  | 29   | 29   | 29   | 29   |   |      |      |      |      |      |      |      |      |      |    |      |      |      |      |    |      |      |      |      |     |      |      |      |      |     |     |     |      |     |    |     |     |     |     |    |     |     |     |     |    |    |     |     |     |   |         |        |             |      |      |    |      |      |      |      |      |      |      |      |      |        |     |     |       |      |     |  |      |     |     |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |      |      |       |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

# FSS FluxStream LED strip

2', 3', 4' and 8'

## Photometry

### 4' FluxStream LED strip, 7000 nominal delivered lumens

LER - 126

|                    |                    |
|--------------------|--------------------|
| <b>Catalog No.</b> | FSS470L840-UNV-DIM |
| <b>Test No.</b>    | 37265              |
| <b>S/MH</b>        | 1.3                |
| <b>Lamp Type</b>   | LED                |
| <b>Lumens</b>      | 7275               |
| <b>Input Watts</b> | 58                 |

### Candlepower

| Angle | End  | 45   | Cross | Back-45 |
|-------|------|------|-------|---------|
| 0     | 2211 | 2211 | 2211  | 2211    |
| 5     | 2176 | 2199 | 2217  | 2199    |
| 15    | 2088 | 2124 | 2148  | 2124    |
| 25    | 1914 | 1966 | 2010  | 1966    |
| 35    | 1672 | 1750 | 1813  | 1750    |
| 45    | 1379 | 1502 | 1580  | 1502    |
| 55    | 1058 | 1204 | 1317  | 1204    |
| 65    | 714  | 898  | 1041  | 898     |
| 75    | 339  | 592  | 776   | 592     |
| 85    | 63   | 344  | 524   | 344     |

### Light Distribution

| Degrees | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30    | 1714   | 23.6        |
| 0-40    | 2809   | 38.6        |
| 0-60    | 5028   | 69.1        |
| 0-90    | 6879   | 94.6        |
| 90-180  | 396    | 5.4         |
| 0-180   | 7275   | 100         |

### Average Luminance

| Zone | End   | 45°   | Cross |
|------|-------|-------|-------|
| 45   | 29203 | 24745 | 24050 |
| 55   | 27371 | 22192 | 21938 |
| 65   | 24688 | 19451 | 19793 |
| 75   | 18540 | 16135 | 17825 |
| 85   | 8824  | 13174 | 15831 |

Comparative yearly lighting energy cost per 1000 lumens – **\$1.90** based on 3000 hrs. and \$.08 pwr KWH.

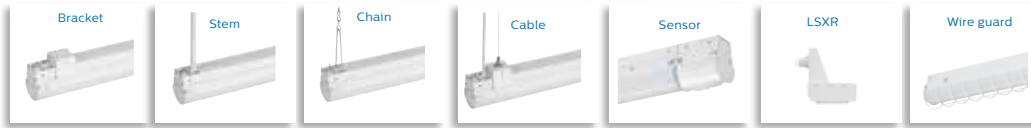
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

### Coefficients of Utilization

| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) |     |     |     |     |     |     |     |     |     |  |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| pfc =  | 20  |     |     |     |     |     |     |     |     |  |
| Ceil   |     | 80  |     |     | 70  |     |     | 50  |     |  |
| Wall   |     | 70  | 50  | 30  | 70  | 50  | 30  | 50  | 30  |  |
| RCR  |     |     |     |     |     |     |     |     |     |  |
| 0  | 118 | 118 | 118 | 114 | 114 | 114 | 108 | 108 | 108 |  |
| 1  | 106 | 100 | 95  | 103 | 97  | 93  | 92  | 89  | 89  |  |
| 2  | 95  | 86  | 79  | 92  | 83  | 78  | 80  | 73  | 73  |  |
| 3  | 86  | 76  | 67  | 83  | 73  | 66  | 69  | 63  | 63  |  |
| 4  | 79  | 67  | 57  | 77  | 65  | 56  | 61  | 55  | 55  |  |
| 5  | 72  | 59  | 50  | 69  | 57  | 48  | 55  | 47  | 47  |  |
| 6  | 67  | 54  | 44  | 65  | 52  | 44  | 50  | 41  | 41  |  |
| 7  | 61  | 47  | 40  | 59  | 46  | 39  | 45  | 38  | 38  |  |
| 8  | 57  | 44  | 35  | 56  | 42  | 34  | 40  | 34  | 34  |  |
| 9  | 54  | 40  | 32  | 52  | 40  | 32  | 38  | 30  | 30  |  |
| 10   | 51  | 37  | 29  | 49  | 37  | 29  | 35  | 28  | 28  |  |

## Accessories



| Accessory Catalog Code | Description   |
|------------------------|---|
| FSTH                   | Sliding hanger bracket (pair)   |
| SV5F12                 | 12" Stem and canopy kit   |
| SV5F18                 | 18" Stem and canopy kit   |
| SV5F24                 | 24" Stem and canopy kit   |
| SV5F36                 | 36" Stem and canopy kit   |
| SV5F48                 | 48" Stem and canopy kit   |
| FKR-126                | Chain hanger set (pair)   |
| DACHxx                 | Adjustable cable hanger kit (single)  |
| DACHxx-1-SC            | Adjustable cable hanger kit with white straight 18/3 cord (single)                    |
| DACHxx-1-CC            | Adjustable cable hanger kit with white coiled 18/3 cord (single)                      |
| DACHxx-2-SC            | Adjustable cable hanger kit with white straight 18/4 cord (single)                    |
| DACHxx-2-CC            | Adjustable cable hanger kit with white coiled 18/4 cord (single)                      |
| DACHxx-1D-SC           | Adjustable cable hanger kit with white straight 18/5 cord with dimming leads (single) |
| LSXR10                 | Low bay pir motion sensor (120-277v)  |
| LSXR10ADC              | Low bay pir motion sensor with photocell and hi/lo trim dimming (120-277v)            |
| FSSWG4                 | 4' Wire guard (order two for 8' models)   |
| FSSD2L                 | 2' Diffuse replacement lens   |
| FSSD3L                 | 3' Diffuse replacement lens   |
| FSSD4L                 | 4' Diffuse replacement lens (order two for 8' models)                                 |
| FSSDEK                 | Decorative plastic end cap (set of two)   |

White stem and canopy kit, 1/4" trade size (1/2" O.D.) locknuts included. Works with 9/16" k.O. on base of housing.

Includes two 5' heavy duty link chains with "V" hooks. Attaches to base of housing.

Works with 1/4" hole on base of housing or FSTH hanger bracket.

xx=cable length in inches, enter 48" to 180" lengths in 12" increments

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