

## DESCRIPTION

Recessed 8-inch shallow lens LED downlight is available in multiple lumens and optical distribution combinations. Choose between 3000K, 3500K and 4000K CCT in the field with seleCCTable™ technology. Use to retrofit most nominal 7-inch, 8-inch, and 9-inch open frames and for international new construction where local codes permit. Coordinated recessed and surface mount versions are also available. Use for general area lighting where high efficiency and long life are required.

| Catalog #   | Type |
|-------------|------|
| Project     |      |
| Comments    | Date |
| Prepared by |      |

## SPECIFICATION FEATURES

### MECHANICAL

#### Frame

Die formed galvanized steel frame pre-assembles to LED module providing one-piece construction for ease of retrofit / installation. UL listed or classified for use WITH Cooper/Eaton and other manufacture's housings. See Housing Compatibility Chart or consult installation instructions for specific housing types.

### OPTICAL

#### LED Module

Self-flanged aluminum housing maximizes thermal performance. LED array uses a plurality of mid-power surface mount LED packages delivering high flux and excellent efficiency. Switch selectable 3000K, 3500K or 4000K CCT reduces ordering complexity and provides flexibility in the field. Color point accuracy within 3 SDCM and 80 CRI minimum provides color quality and uniformity. Passive thermal management achieves L70 at 50,000 hours. Integral connector allows quick connection to frame/housing flex.

### Shielding

Field interchangeable lenses available in either medium or wide distributions. Optional field installed wall wash optic provides 360° rotation, allowing for the housing to be installed in any orientation.

### Retention

Module retained with two mouse trap springs holding the flange tightly to the finished ceiling surface.

### ELECTRICAL

#### Junction Box

(3) 1/2" and (2) 3/4" trade size pry outs. Listed for (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring.

### Driver

Integral UNV 120 - 277V 50/60 Hz constant current driver provides noise free operation. Continuous, flicker-free dimming from 100% to 1% using 0 - 10V analog control.

### Emergency Option

Available with Sure-Lites EBPLED 7 or 14 watt emergency battery pack with remote test switch / charge indicator light. Provides 90 minutes of standby lighting meeting most life safety codes for egress lighting.

### COMPLIANCE

- cULus listed/certified, wet location labeled for covered ceilings.
- IP55 rated
- IC rated to 2000 lumens
- Thermally protected for 3000 and 4000 lumen versions. Insulation must be kept 3" from top and sides.
- Airtight per ASTM-E283
- Optional City of Chicago environmental air (CCEA) marking for plenum applications.
- EMI/RFI emissions per FCC 47CFR Part 18 non-consumer limits.
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79-08 and TM-30-15.
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.
- Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.
- ENERGY STAR® Certified. See energystar.gov website for current information.

### WARRANTY

Limited 5-year warranty, see website for details.  
www.eaton.com/lighting/legal



**PR8R10**  
**PR8R15**  
**PR8R20**  
**PR8R30**  
**PR8R40**

**PR8M12**  
**PR8M34**

**1000, 1500, 2000,**  
**3000 & 4000**  
**Lumen Series**

**8-Inch Shallow Lens**  
**LED Recessed**  
**Downlight Retrofit**

**Medium, Wide &**  
**Wall Wash Distribution**

seleCCTable™



| Lumens        | 1000 Series |       |
|---------------|-------------|-------|
| Input Voltage | 120V        | 277V  |
| Input Current | 0.09A       | 0.04A |
| Input Power   | 10.5W       | 11.2W |
| Lumens        | 1500 Series |       |
| Input Voltage | 120V        | 277V  |
| Input Current | 0.125A      | 0.06A |
| Input Power   | 15W         | 15.5W |

| Lumens        | 2000 Series |       |
|---------------|-------------|-------|
| Input Voltage | 120V        | 277V  |
| Input Current | 0.18A       | 0.08A |
| Input Power   | 22W         | 22.5W |
| Lumens        | 3000 Series |       |
| Input Voltage | 120V        | 277V  |
| Input Current | 0.24A       | 0.10A |
| Input Power   | 28.5W       | 28.5W |

| Lumens                | 4000 Series |       |
|-----------------------|-------------|-------|
| Input Voltage         | 120V        | 277V  |
| Input Current         | 0.36A       | 0.16A |
| Input Power           | 43.5W       | 43W   |
| THD: ≤ 20%            |             |       |
| PF: ≥ 0.90            |             |       |
| T Ambient -30 - +40°C |             |       |
| Sound Rating ≤ 22dba  |             |       |

## ORDERING INFORMATION

### FRAME SAMPLE NUMBER: PR8R40D010

A complete luminaire consists of a frame and LED module, order separately.

| Frame                                                                                                                                                 | Lumens                                                                                                                                                                                     | Driver                                                   | Options <sup>1, 2</sup>                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PR8R</b> = 8" aperture LED downlight frame<br><b>PR8RCP</b> = 8" aperture LED downlight frame, CCEA listed for City of Chicago plenum requirements | <b>10</b> = 1,000 lumens (nominal)<br><b>15</b> = 1,500 lumens (nominal)<br><b>20</b> = 2,000 lumens (nominal)<br><b>30</b> = 3,000 lumens (nominal)<br><b>40</b> = 4,000 lumens (nominal) | <b>D010</b> = 120-277V 50/60Hz, 0-10V 100% to 1% dimming | <b>REM7</b> = 7W emergency battery pack with remote test switch and charge indicator light<br><b>REM14</b> = 14W emergency battery pack with remote test switch and charge indicator light |

### MODULE SAMPLE NUMBER: PR8M34MDMW

A complete luminaire consists of a frame and LED module, order separately.

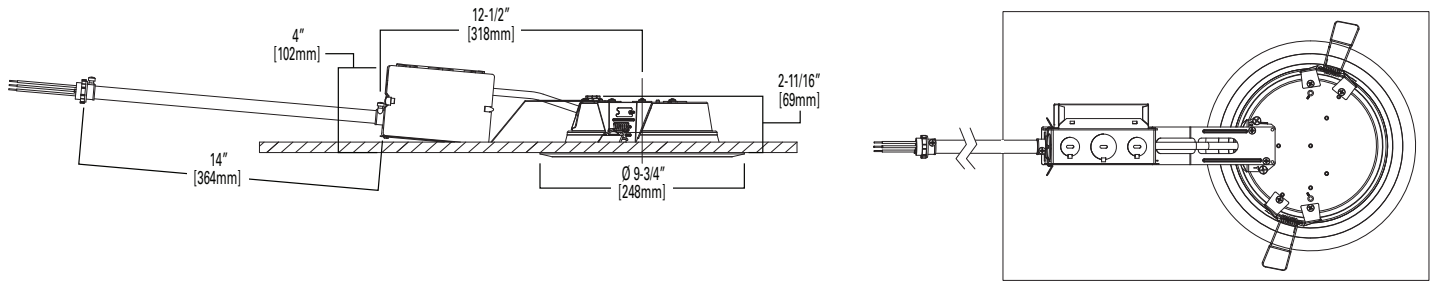
| LED Module                                                                                                                                                                                                                                                           | Shielding                                                                                  | Flange Finish                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>PR8M12</b> = Downlight LED module for PR8 series, provides 1000, 1500 or 2000 lumens (nominal) depending on connected frame type<br><b>PR8M34</b> = Downlight LED module for PR8 series, provides 3000 or 4000 lumens (nominal) depending on connected frame type | <b>MD</b> = Medium distribution plastic lens<br><b>WD</b> = Wide distribution plastic lens | <b>MW</b> = Matte White<br><b>MB</b> = Matte Black<br><b>MMS</b> = Matte Metallic Silver |

### Accessories

**PR8WW** = Field Installed wall wash optic for PR8M12 and PR834 modules  
**PR8MD** = Replacement 8" medium distribution lens for PR8M12 and PR8M34 modules  
**PR8WD** = Replacement 8" wide distribution lens for PR8M12 and PR8M34 modules  
**PR8TC** = Specular clear trim insert for PR8M12 and PR8M34 modules  
**PR8TH** = Semi-specular clear trim insert for PR8M12 and PR8M34 modules  
**ABR10P** = Oversize trim ring for max 10" ceiling opening - 11.3" flange  
**PORLWTPD1** = LumaWatt Pro Wireless Sensor Kit (0-10V only)

**Notes:** 1. REM not available with CP version.  
 2. REM UL qualified for US only (not Canada).

## DIMENSIONS



## HOUSING COMPATIBILITY

| Manufacturer | Series                          | Nom. Size | Housing Aperture | Housing Catalog #   | Ceiling Aperture    | Retrofit Kit | Oversize Trim Ring   |
|--------------|---------------------------------|-----------|------------------|---------------------|---------------------|--------------|----------------------|
| Cooper       | PDS                             | 7         | 7.625            | PD7                 | 7.7" MIN<br>9" MAX  | PR8R         | None                 |
| Cooper       | Portfolio                       | 7         | 7.700            | C7, CLW7, HD7, MD7  |                     |              |                      |
| Juno         | Indy Performance Series (Elate) | 8         | 7.813            | A8, C8, M8          |                     |              |                      |
| Juno         |                                 | 8         | 7.813            | CH8 and CV8         |                     |              |                      |
| Juno         |                                 | 8         | 8.188            | MX8 and TC908       |                     |              |                      |
| Lithonia     | Gotham                          | 8         | 8.438            | AF-8 and LG-8       |                     |              |                      |
| Lithonia     | Gotham                          | 8         | 8.563            | GRSF                |                     |              |                      |
| Philips      | Omega                           | 8         | 8.563            | OM8                 |                     |              |                      |
| Lithonia     | Commercial                      | 8         | 8.563            | LF8, LP8            |                     |              |                      |
| Cooper/Eaton | Portfolio                       | 8         | 8.730            | C8                  |                     |              |                      |
| Philips      | Lightolier Calculite            | 8         | 8.750            | S8                  |                     |              |                      |
| Philips      | Capri                           | 8         | 8.875            | CM8                 |                     |              |                      |
| Cooper/Eaton | PDS                             | 8         | 8.875            | PD8                 |                     |              |                      |
| Juno         |                                 | 9         | 8.938            | C9H                 |                     |              |                      |
| Juno         | Indy Performance Series (Elate) | 9         | 9.000            | C9 and M9           |                     |              |                      |
| Philips      | Capri                           | 10        | 9.625            | CM10                | 9" MIN<br>10.3" MAX | PR8R         | ABR10<br>(accessory) |
| Philips      | Omega                           | 10        | 9.813            | OM10 and S10        |                     |              |                      |
| Juno         | Indy Performance Series (Elate) | 10        | 9.875            | M10                 |                     |              |                      |
| Cooper/Eaton | Portfolio                       | 9         | 10.000           | C9                  |                     |              |                      |
| Lithonia     | Gotham                          | 10        | 10.125           | GRSF                |                     |              |                      |
| Lithonia     | Gotham                          | 10        | 10.125           | AF, LGF, LGH, AH, A |                     |              |                      |
| Lithonia     | Gotham                          | 10        | 10.250           | GRSH                |                     |              |                      |

## LUMEN TABLES

| 1000 Lumen, 10.5W                                    | 3000K  |     | 3500K  |     | 4000K  |     |
|------------------------------------------------------|--------|-----|--------|-----|--------|-----|
|                                                      | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| Medium Distribution Lens, Matte White Trim           | 1176   | 112 | 1326   | 126 | 1245   | 119 |
| Medium Distribution Lens, Matte Black Trim           | 1072   | 102 | 1209   | 115 | 1134   | 108 |
| Medium Distribution Lens, Matte Metallic Silver Trim | 1137   | 108 | 1282   | 122 | 1203   | 115 |
| Wide Distribution Lens, Matte White Trim             | 1172   | 112 | 1322   | 126 | 1240   | 118 |
| Wide Distribution Lens, Matte Black Trim             | 1063   | 101 | 1198   | 114 | 1125   | 107 |
| Wide Distribution Lens, Matte Metallic Silver Trim   | 1126   | 107 | 1270   | 121 | 1192   | 114 |
| Wall Wash Optic, Matte White Trim                    | 996    | 95  | 1130   | 108 | 1061   | 101 |

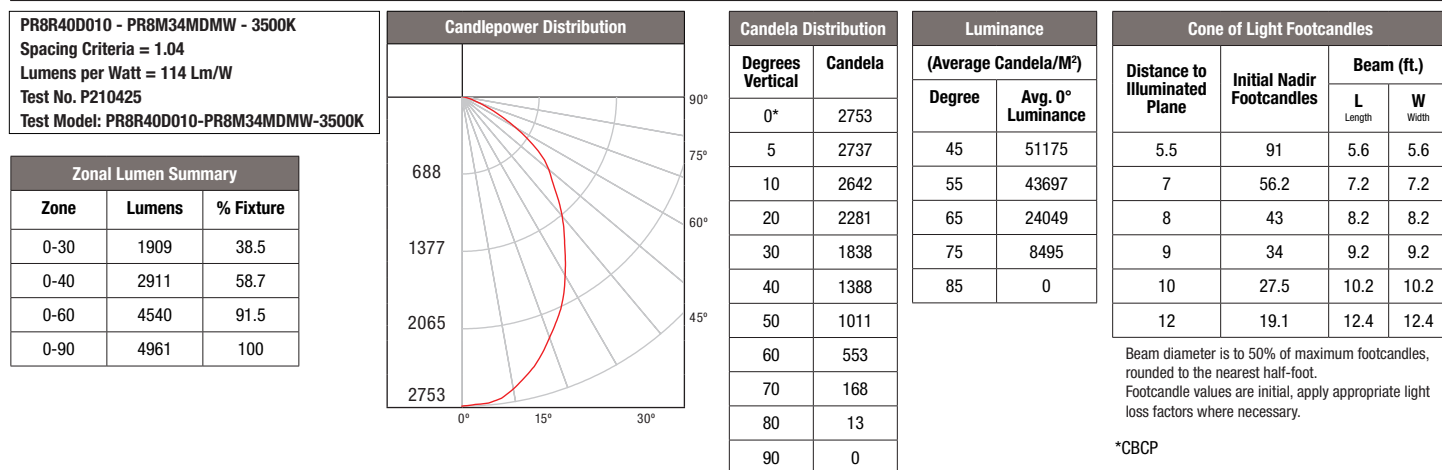
| 1500 Lumen, 15W                                      | 3000K  |     | 3500K  |     | 4000K  |     |
|------------------------------------------------------|--------|-----|--------|-----|--------|-----|
|                                                      | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| Medium Distribution Lens, Matte White Trim           | 1597   | 106 | 1800   | 120 | 1690   | 113 |
| Medium Distribution Lens, Matte Black Trim           | 1455   | 97  | 1641   | 109 | 1540   | 103 |
| Medium Distribution Lens, Matte Metallic Silver Trim | 1543   | 103 | 1740   | 116 | 1633   | 109 |
| Wide Distribution Lens, Matte White Trim             | 1591   | 106 | 1794   | 120 | 1684   | 112 |
| Wide Distribution Lens, Matte Black Trim             | 1443   | 96  | 1627   | 108 | 1527   | 102 |
| Wide Distribution Lens, Matte Metallic Silver Trim   | 1529   | 102 | 1724   | 115 | 1618   | 108 |
| Wall Wash Optic, Matte White Trim                    | 1349   | 90  | 1534   | 102 | 1440   | 96  |

| 2000 Lumen, 22W                                      | 3000K  |     | 3500K  |     | 4000K  |     |
|------------------------------------------------------|--------|-----|--------|-----|--------|-----|
|                                                      | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| Medium Distribution Lens, Matte White Trim           | 2186   | 99  | 2465   | 112 | 2313   | 105 |
| Medium Distribution Lens, Matte Black Trim           | 1992   | 91  | 2246   | 102 | 2108   | 96  |
| Medium Distribution Lens, Matte Metallic Silver Trim | 2113   | 96  | 2382   | 108 | 2236   | 102 |
| Wide Distribution Lens, Matte White Trim             | 2179   | 99  | 2456   | 112 | 2305   | 105 |
| Wide Distribution Lens, Matte Black Trim             | 1975   | 90  | 2227   | 101 | 2090   | 95  |
| Wide Distribution Lens, Matte Metallic Silver Trim   | 2093   | 95  | 2360   | 107 | 2215   | 101 |
| Wall Wash Optic, Matte White Trim                    | 1847   | 84  | 2100   | 95  | 1971   | 90  |

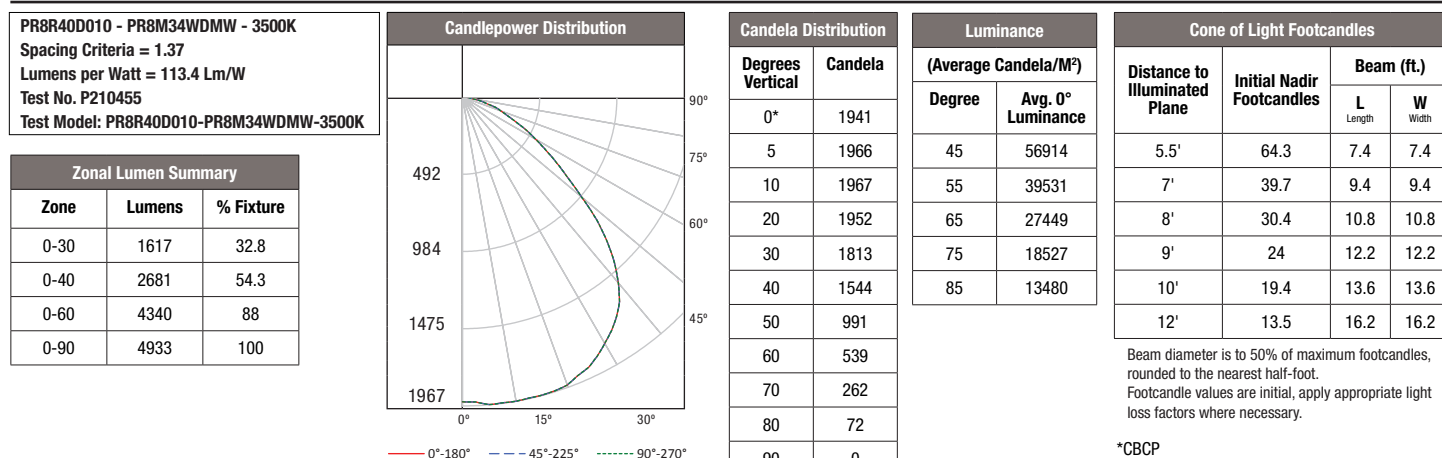
| 3000 Lumen, 28.5W                                    | 3000K  |     | 3500K  |     | 4000K  |     |
|------------------------------------------------------|--------|-----|--------|-----|--------|-----|
|                                                      | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| Medium Distribution Lens, Matte White Trim           | 3217   | 113 | 3630   | 127 | 3376   | 118 |
| Medium Distribution Lens, Matte Black Trim           | 2917   | 102 | 3292   | 116 | 3062   | 107 |
| Medium Distribution Lens, Matte Metallic Silver Trim | 3092   | 108 | 3488   | 122 | 3244   | 114 |
| Wide Distribution Lens, Matte White Trim             | 3200   | 112 | 3610   | 127 | 3358   | 118 |
| Wide Distribution Lens, Matte Black Trim             | 2901   | 102 | 3274   | 115 | 3045   | 107 |
| Wide Distribution Lens, Matte Metallic Silver Trim   | 3075   | 108 | 3469   | 122 | 3227   | 113 |
| Wall Wash Optic, Matte White Trim                    | 2702   | 95  | 3053   | 107 | 2840   | 100 |

| 4000 Lumen, 43.5W                                    | 3000K  |     | 3500K  |     | 4000K  |     |
|------------------------------------------------------|--------|-----|--------|-----|--------|-----|
|                                                      | Lumens | LPW | Lumens | LPW | Lumens | LPW |
| Medium Distribution Lens, Matte White Trim           | 4397   | 101 | 4961   | 114 | 4614   | 106 |
| Medium Distribution Lens, Matte Black Trim           | 3987   | 92  | 4498   | 103 | 4184   | 96  |
| Medium Distribution Lens, Matte Metallic Silver Trim | 4225   | 97  | 4767   | 110 | 4433   | 102 |
| Wide Distribution Lens, Matte White Trim             | 4372   | 101 | 4933   | 113 | 4588   | 105 |
| Wide Distribution Lens, Matte Black Trim             | 3965   | 91  | 4473   | 103 | 4161   | 96  |
| Wide Distribution Lens, Matte Metallic Silver Trim   | 4201   | 97  | 4740   | 109 | 4409   | 101 |
| Wall Wash Optic, Matte White Trim                    | 3698   | 85  | 4172   | 96  | 3880   | 89  |

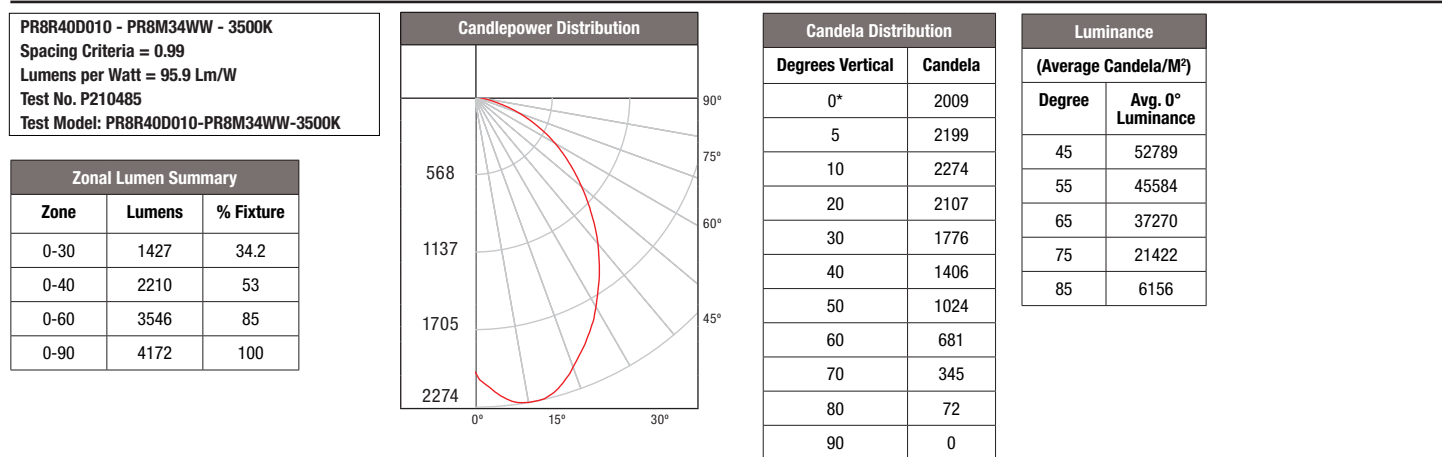
## MEDIUM DISTRIBUTION PHOTOMETRY



## WIDE DISTRIBUTION PHOTOMETRY



## WALL WASH PHOTOMETRY



Specifications and dimensions subject to change without notice.

**Eaton**  
1121 Highway 74 South  
Peachtree City, GA 30269  
P: 770-486-4800  
www.eaton.com/lighting

| Single Unit Footcandles                              |      |      |      |      |      |     |     |
|------------------------------------------------------|------|------|------|------|------|-----|-----|
| 2.5' from wall<br>(distance from fixture along wall) |      |      |      |      |      |     |     |
| 1                                                    | 51.9 | 37.7 | 17.1 | 6.8  | 2.8  | 1.2 | 0.6 |
| 2                                                    | 74.3 | 60.1 | 34.4 | 17.2 | 8.3  | 4.1 | 2.1 |
| 3                                                    | 59.3 | 51.2 | 34.3 | 20.1 | 11.3 | 6.4 | 3.6 |
| 4                                                    | 40.5 | 36.4 | 27.4 | 18.3 | 11.5 | 7.1 | 4.4 |
| 5                                                    | 27.2 | 25.1 | 20.2 | 14.8 | 10.3 | 6.9 | 4.6 |
| 6                                                    | 18.5 | 17.4 | 14.8 | 11.5 | 8.6  | 6.2 | 4.4 |
| 7                                                    | 12.9 | 12.3 | 10.8 | 8.9  | 7    | 5.3 | 3.9 |
| 8                                                    | 9.3  | 8.9  | 8    | 6.8  | 5.6  | 4.4 | 3.5 |
| 9                                                    | 6.9  | 6.6  | 6    | 5.3  | 4.5  | 3.7 | 3   |
| 10                                                   | 5.2  | 5    | 4.6  | 4.1  | 3.6  | 3.1 | 2.5 |

| Multiple Unit Footcandles                    |      |      |      |
|----------------------------------------------|------|------|------|
| 2.5' from wall<br>(spacing between fixtures) |      |      |      |
| 1                                            | 58.6 | 52.6 | 58.6 |
| 2                                            | 91.5 | 94   | 91.5 |
| 3                                            | 79.5 | 86   | 79.5 |
| 4                                            | 58.8 | 64.4 | 58.8 |
| 5                                            | 42   | 45.8 | 42   |
| 6                                            | 30   | 32.4 | 30   |
| 7                                            | 21.8 | 23.2 | 21.8 |
| 8                                            | 16.1 | 17   | 16.1 |
| 9                                            | 12.1 | 12.7 | 12.1 |
| 10                                           | 9.3  | 9.7  | 9.3  |

| Multiple Unit Footcandles                    |      |      |      |
|----------------------------------------------|------|------|------|
| 2.5' from wall<br>(spacing between fixtures) |      |      |      |
| 1                                            | 54.7 | 34.1 | 54.7 |
| 2                                            | 82.7 | 68.8 | 82.7 |
| 3                                            | 70.6 | 68.6 | 70.6 |
| 4                                            | 52   | 54.7 | 52   |
| 5                                            | 37.5 | 40.5 | 37.5 |
| 6                                            | 27   | 29.5 | 27   |
| 7                                            | 19.9 | 21.6 | 19.9 |
| 8                                            | 14.9 | 16   | 14.9 |
| 9                                            | 11.3 | 12.1 | 11.3 |
| 10                                           | 8.7  | 9.3  | 8.7  |