

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P197959

Luminaire Tested: **TT-C5-LED-E1-RW-LWR-LW-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197959  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34693)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: TT-C5-LED-E1-RW-LWR-LW-7050  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR  
Light Source: (160) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6891.1 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 77  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

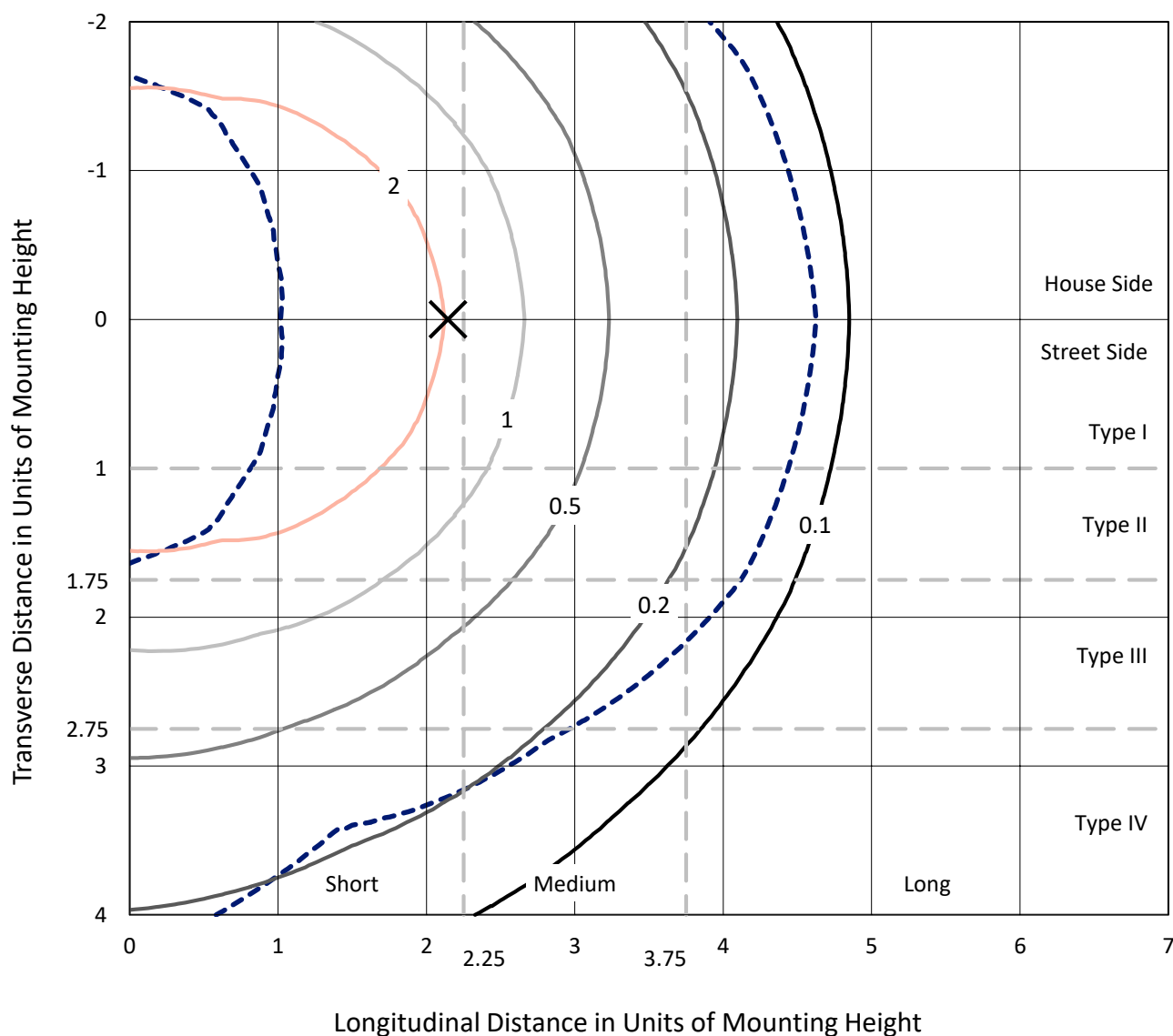


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

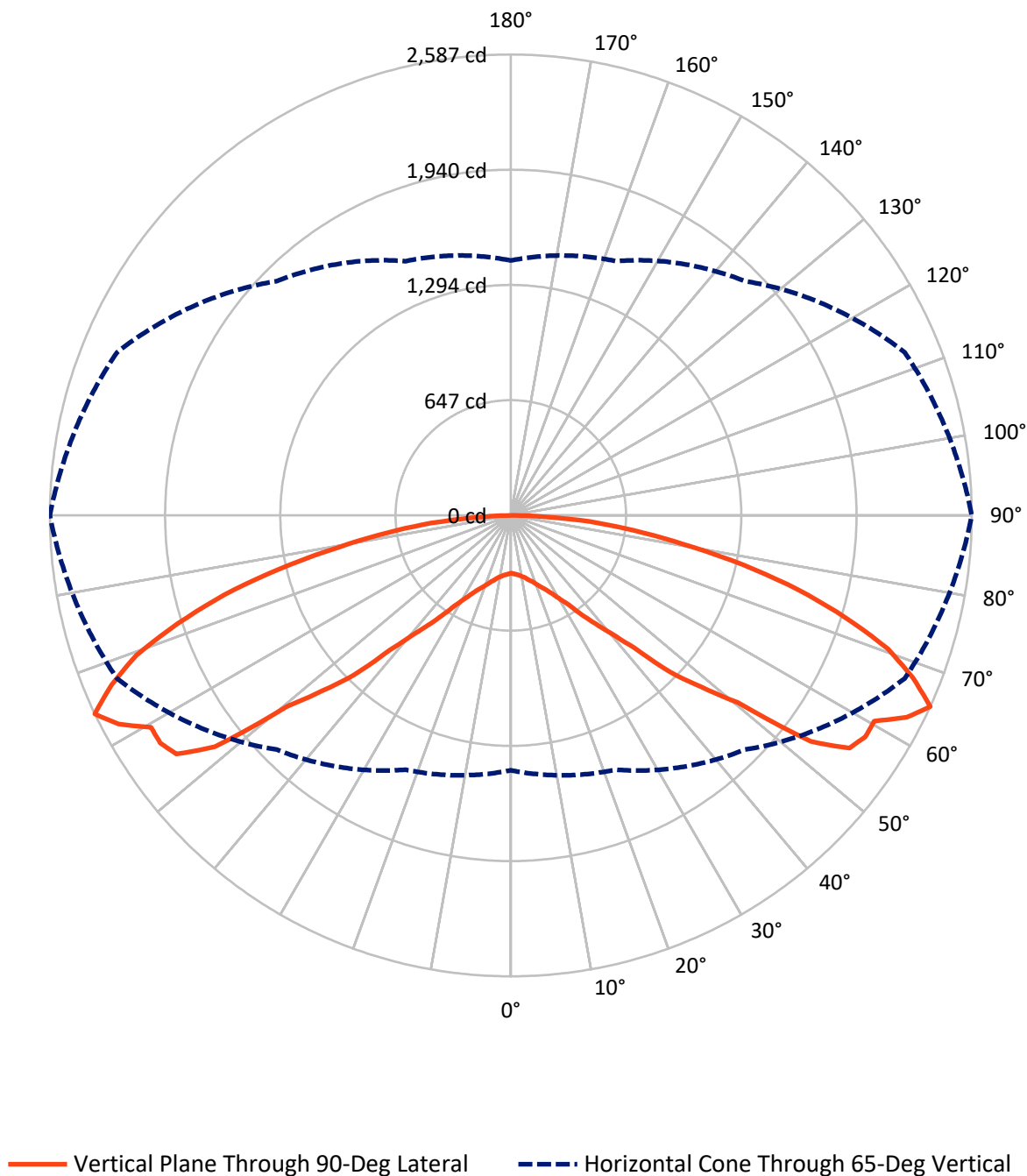


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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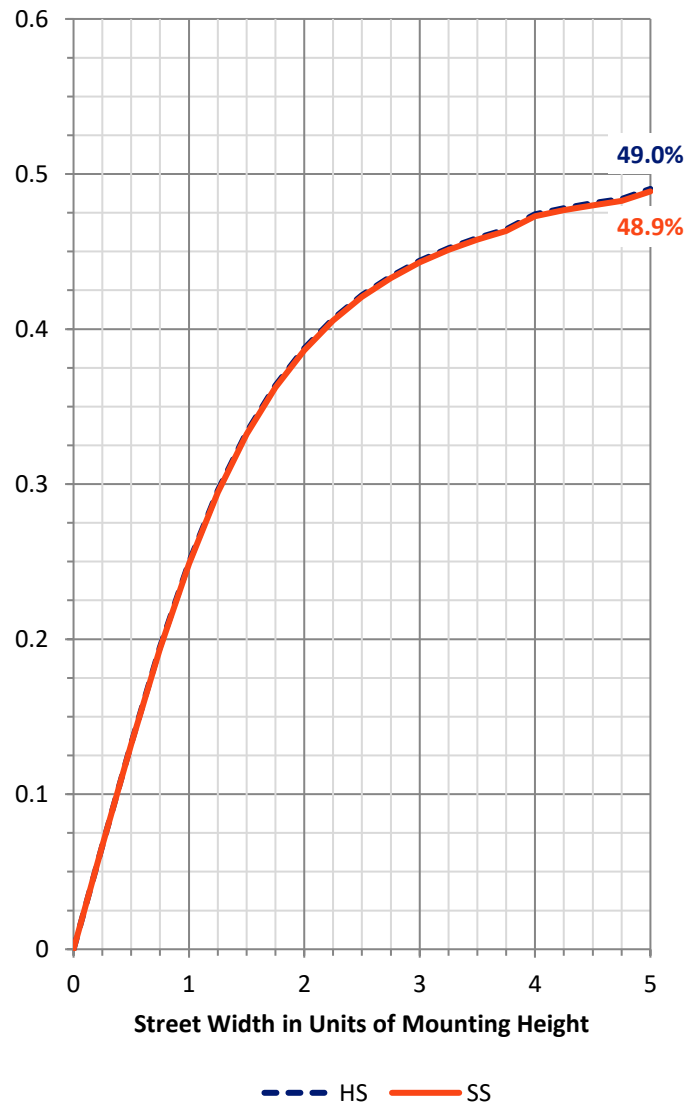
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3445.5   | 0.0    | 3445.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3445.5   | 0.0    | 3445.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6891.1   | 0.0    | 6891.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 32.4   | 0.5       |
| 10°-20°   | 110.0  | 1.6       |
| 20°-30°   | 231.0  | 3.4       |
| 30°-40°   | 439.1  | 6.4       |
| 40°-50°   | 816.3  | 11.8      |
| 50°-60°   | 1446.7 | 21.0      |
| 60°-70°   | 1878.9 | 27.3      |
| 70°-80°   | 1496.5 | 21.7      |
| 80°-90°   | 440.3  | 6.4       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6891.1 | 100.0     |
| 0°-180°   | 6891.1 | 100.0     |

**Coefficient of Utilization**



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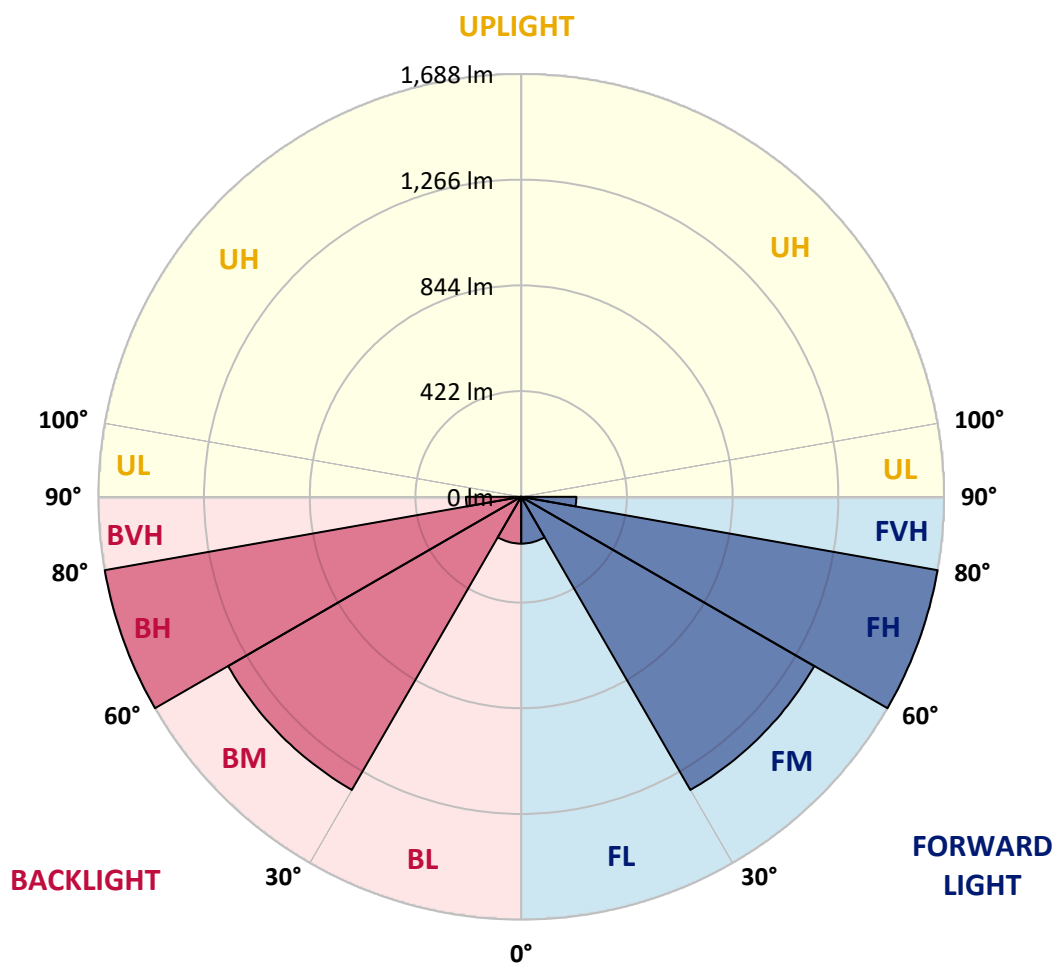
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 186.7  | 2.7       |                         |      |         |
| FM   | (30°-60°)   | 1351.0 | 19.6      |                         |      |         |
| FH   | (60°-80°)   | 1687.7 | 24.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 220.2  | 3.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 186.7  | 2.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1351.0 | 19.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1687.7 | 24.5      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 220.2  | 3.2       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 323.8  | 323.8  | 323.8  | 323.8  | 323.8  |
| 2.5°  | 326.8  | 326.8  | 328.3  | 328.3  | 328.3  |
| 5°    | 332.9  | 332.9  | 334.4  | 334.4  | 332.9  |
| 7.5°  | 340.5  | 343.5  | 342.0  | 339.0  | 339.0  |
| 10°   | 352.6  | 354.2  | 351.1  | 349.6  | 348.1  |
| 12.5° | 367.8  | 369.4  | 363.3  | 361.8  | 358.7  |
| 15°   | 389.1  | 387.6  | 381.5  | 375.4  | 375.4  |
| 17.5° | 418.0  | 408.9  | 398.2  | 393.7  | 390.6  |
| 20°   | 451.4  | 439.3  | 425.6  | 415.0  | 413.4  |
| 22.5° | 489.4  | 472.7  | 454.5  | 439.3  | 437.8  |
| 25°   | 525.9  | 512.2  | 489.4  | 469.7  | 463.6  |
| 27.5° | 565.4  | 554.8  | 525.9  | 503.1  | 498.6  |
| 30°   | 611.0  | 601.9  | 568.5  | 547.2  | 545.7  |
| 32.5° | 664.2  | 652.1  | 615.6  | 600.4  | 598.9  |
| 35°   | 728.1  | 705.3  | 673.4  | 662.7  | 681.0  |
| 37.5° | 788.9  | 763.0  | 737.2  | 755.4  | 770.6  |
| 40°   | 842.1  | 825.3  | 813.2  | 851.2  | 872.5  |
| 42.5° | 893.7  | 884.6  | 893.7  | 950.0  | 1015.3 |
| 45°   | 948.5  | 951.5  | 984.9  | 1138.5 | 1255.5 |
| 47.5° | 1012.3 | 1013.8 | 1092.9 | 1328.5 | 1439.4 |
| 50°   | 1082.2 | 1080.7 | 1220.5 | 1471.3 | 1649.2 |
| 52.5° | 1150.6 | 1156.7 | 1348.2 | 1778.4 | 2108.2 |
| 55°   | 1211.4 | 1244.9 | 1521.5 | 2086.9 | 2305.8 |
| 57.5° | 1264.6 | 1328.5 | 1684.1 | 2178.1 | 2345.3 |
| 60°   | 1322.4 | 1428.8 | 1798.1 | 2196.4 | 2343.8 |
| 62.5° | 1378.6 | 1507.8 | 1822.5 | 2276.9 | 2494.3 |
| 65°   | 1430.3 | 1544.3 | 1858.9 | 2392.4 | 2587.0 |
| 67.5° | 1472.9 | 1562.5 | 1858.9 | 2292.1 | 2433.5 |
| 70°   | 1507.8 | 1539.7 | 1751.0 | 2111.2 | 2245.0 |
| 72.5° | 1500.2 | 1445.5 | 1573.2 | 1889.3 | 1966.9 |
| 75°   | 1428.8 | 1279.8 | 1386.2 | 1589.9 | 1667.4 |
| 77.5° | 1249.4 | 1071.6 | 1129.3 | 1281.3 | 1331.5 |
| 80°   | 989.5  | 836.0  | 869.4  | 966.7  | 981.9  |
| 82.5° | 697.7  | 600.4  | 612.6  | 687.0  | 697.7  |
| 85°   | 410.4  | 369.4  | 357.2  | 424.1  | 445.4  |
| 87.5° | 121.6  | 106.4  | 104.9  | 127.7  | 141.4  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)