

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: P197952

Luminaire Tested: **TT-C3-LED-E1-RW-LWR-LW-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197952  
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-C3-LED-E1-RW-LWR-LW-7060  
Description: TOPTIER LED PARKING GARAGE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR  
Light Source: (168) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4197.6 lumens  
Efficiency: N/A  
Efficacy: 93.3 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): 45  
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

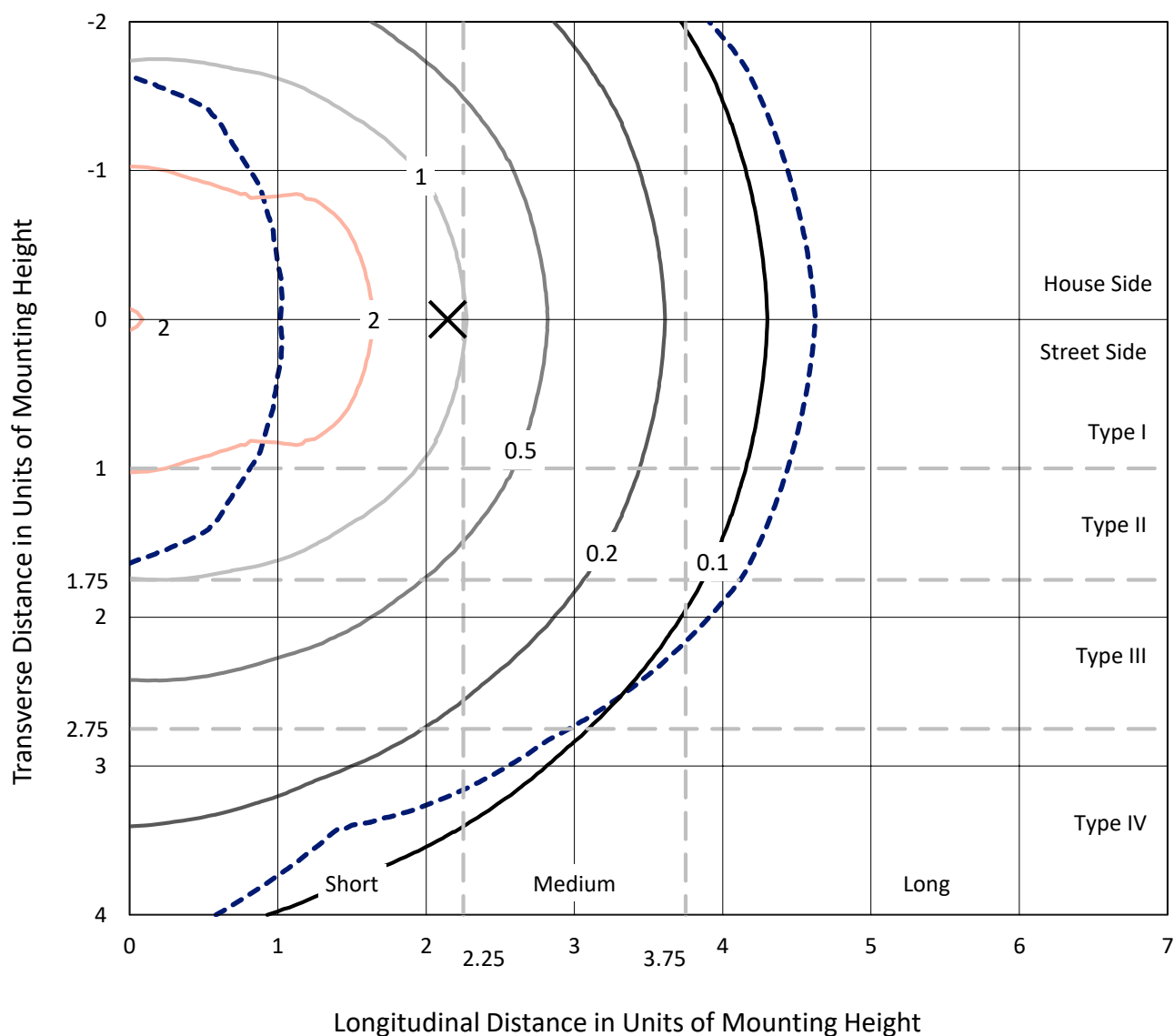


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

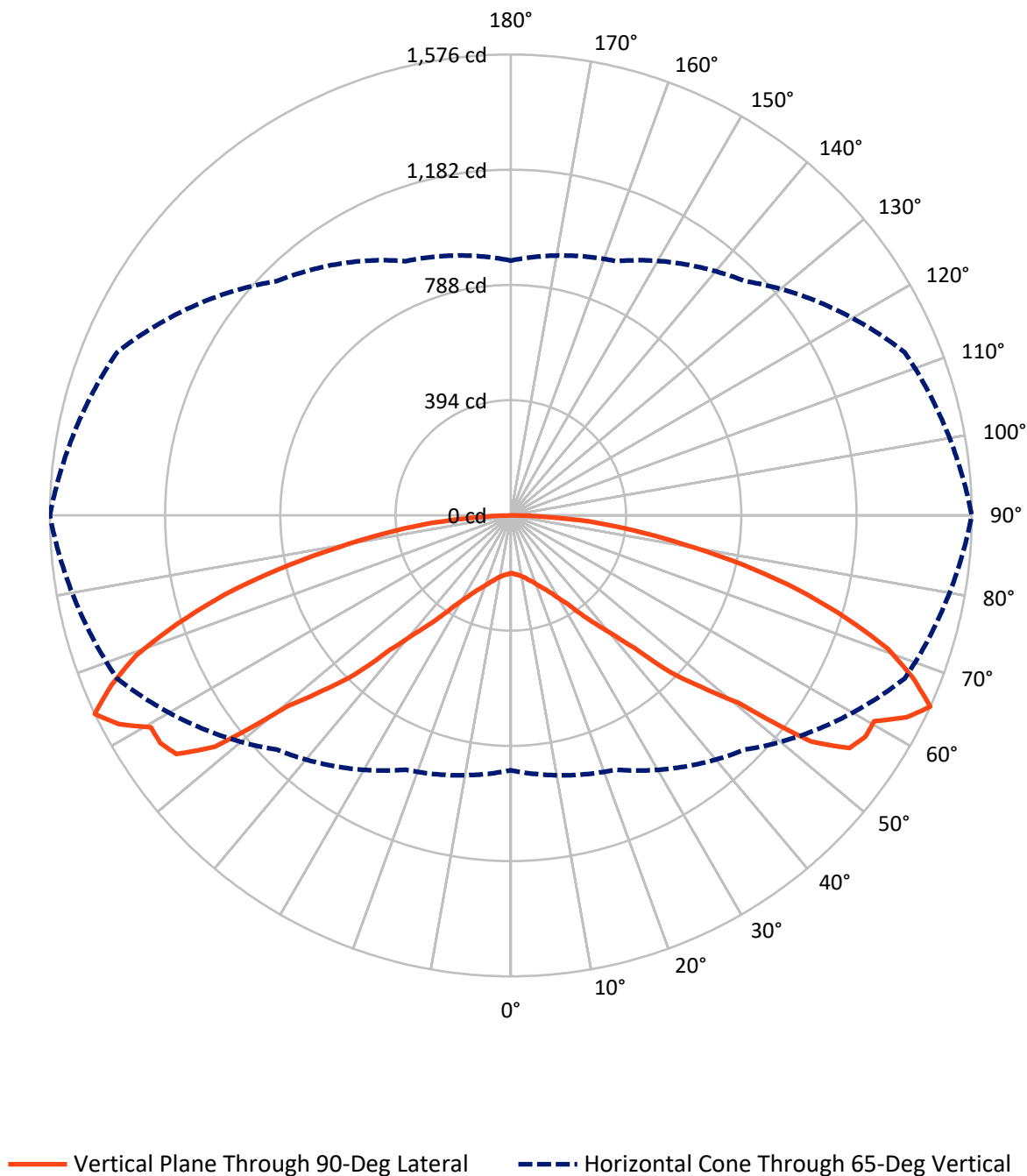


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc  
 Type IV - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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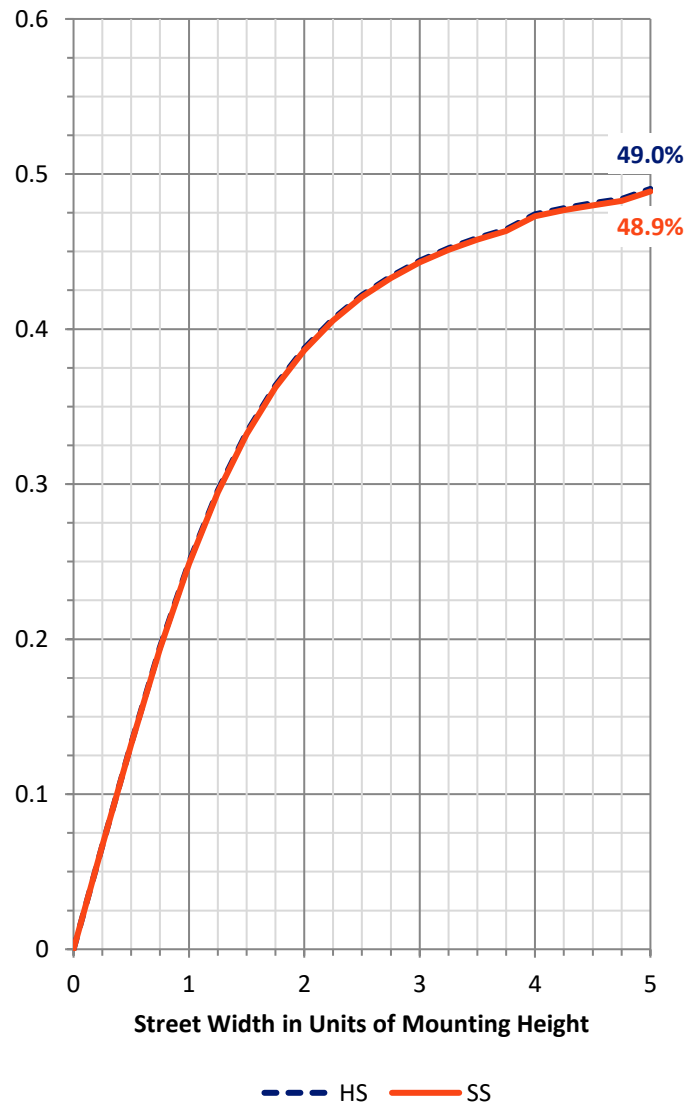
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2098.8   | 0.0    | 2098.8 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2098.8   | 0.0    | 2098.8 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 4197.6   | 0.0    | 4197.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 19.7   | 0.5       |
| 10°-20°   | 67.0   | 1.6       |
| 20°-30°   | 140.7  | 3.4       |
| 30°-40°   | 267.5  | 6.4       |
| 40°-50°   | 497.2  | 11.8      |
| 50°-60°   | 881.2  | 21.0      |
| 60°-70°   | 1144.5 | 27.3      |
| 70°-80°   | 911.6  | 21.7      |
| 80°-90°   | 268.2  | 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°    | 4197.6 | 100.0     |
| 0°-180°   | 4197.6 | 100.0     |

**Coefficient of Utilization**



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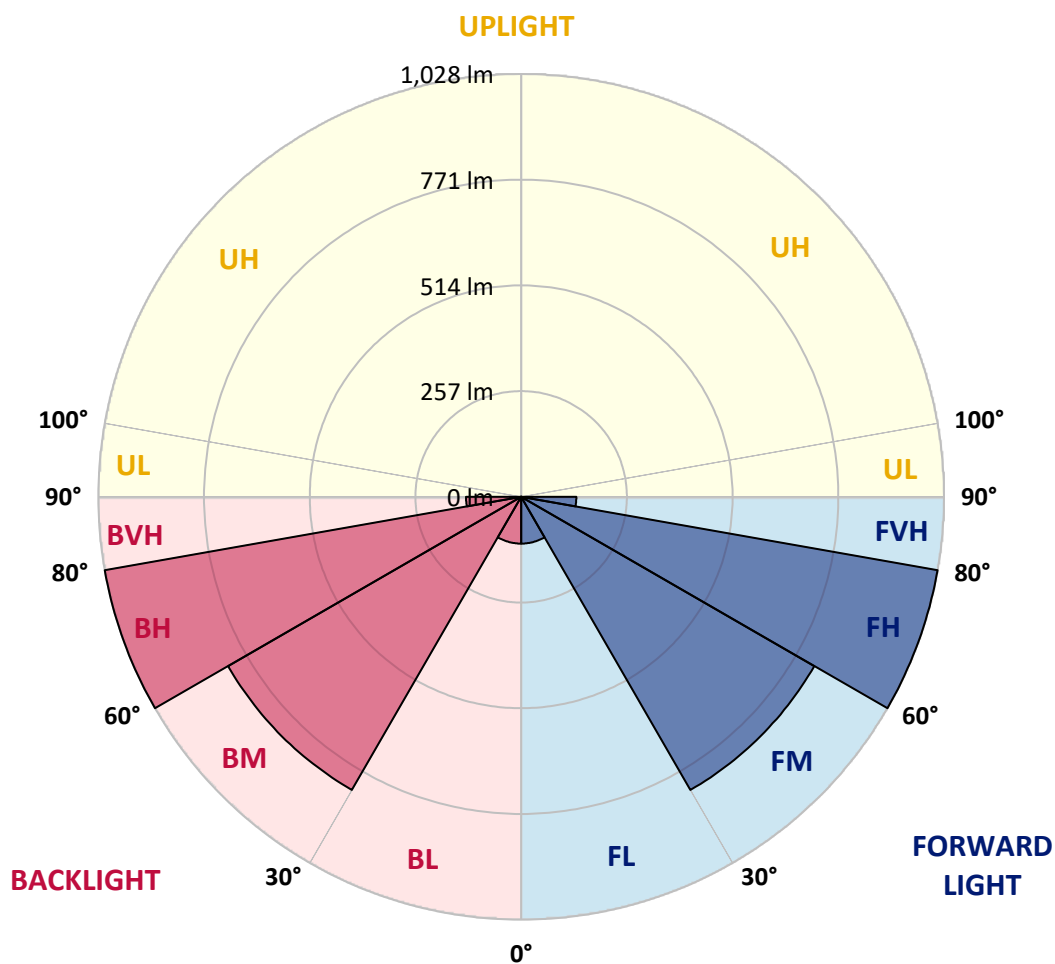
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 113.7  | 2.7       |                         |      |         |
| FM   | (30°-60°)   | 823.0  | 19.6      |                         |      |         |
| FH   | (60°-80°)   | 1028.0 | 24.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 134.1  | 3.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 113.7  | 2.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 823.0  | 19.6      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 1028.0 | 24.5      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 134.1  | 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°    | 197.2 | 197.2 | 197.2  | 197.2  | 197.2  |
| 2.5°  | 199.1 | 199.1 | 200.0  | 200.0  | 200.0  |
| 5°    | 202.8 | 202.8 | 203.7  | 203.7  | 202.8  |
| 7.5°  | 207.4 | 209.2 | 208.3  | 206.5  | 206.5  |
| 10°   | 214.8 | 215.7 | 213.9  | 213.0  | 212.0  |
| 12.5° | 224.1 | 225.0 | 221.3  | 220.4  | 218.5  |
| 15°   | 237.0 | 236.1 | 232.4  | 228.7  | 228.7  |
| 17.5° | 254.6 | 249.1 | 242.6  | 239.8  | 237.9  |
| 20°   | 275.0 | 267.6 | 259.2  | 252.8  | 251.8  |
| 22.5° | 298.1 | 287.9 | 276.8  | 267.6  | 266.7  |
| 25°   | 320.4 | 312.0 | 298.1  | 286.1  | 282.4  |
| 27.5° | 344.4 | 337.9 | 320.4  | 306.5  | 303.7  |
| 30°   | 372.2 | 366.6 | 346.3  | 333.3  | 332.4  |
| 32.5° | 404.6 | 397.2 | 375.0  | 365.7  | 364.8  |
| 35°   | 443.5 | 429.6 | 410.2  | 403.7  | 414.8  |
| 37.5° | 480.5 | 464.8 | 449.0  | 460.2  | 469.4  |
| 40°   | 512.9 | 502.8 | 495.3  | 518.5  | 531.5  |
| 42.5° | 544.4 | 538.9 | 544.4  | 578.7  | 618.5  |
| 45°   | 577.7 | 579.6 | 600.0  | 693.5  | 764.8  |
| 47.5° | 616.6 | 617.6 | 665.7  | 809.2  | 876.8  |
| 50°   | 659.2 | 658.3 | 743.5  | 896.2  | 1004.6 |
| 52.5° | 700.9 | 704.6 | 821.3  | 1083.3 | 1284.2 |
| 55°   | 737.9 | 758.3 | 926.8  | 1271.2 | 1404.6 |
| 57.5° | 770.3 | 809.2 | 1025.9 | 1326.8 | 1428.6 |
| 60°   | 805.5 | 870.3 | 1095.3 | 1337.9 | 1427.7 |
| 62.5° | 839.8 | 918.5 | 1110.1 | 1387.0 | 1519.4 |
| 65°   | 871.2 | 940.7 | 1132.3 | 1457.3 | 1575.8 |
| 67.5° | 897.2 | 951.8 | 1132.3 | 1396.2 | 1482.3 |
| 70°   | 918.5 | 937.9 | 1066.6 | 1286.0 | 1367.5 |
| 72.5° | 913.8 | 880.5 | 958.3  | 1150.9 | 1198.1 |
| 75°   | 870.3 | 779.6 | 844.4  | 968.5  | 1015.7 |
| 77.5° | 761.1 | 652.7 | 687.9  | 780.5  | 811.1  |
| 80°   | 602.7 | 509.2 | 529.6  | 588.9  | 598.1  |
| 82.5° | 425.0 | 365.7 | 373.1  | 418.5  | 425.0  |
| 85°   | 250.0 | 225.0 | 217.6  | 258.3  | 271.3  |
| 87.5° | 74.1  | 64.8  | 63.9   | 77.8   | 86.1   |
| 90°   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)