

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: P197957

Luminaire Tested: **TT-C5-LED-E1-RW-PM-LWR-LW-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197957  
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-PM-LWR-LW-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR  
Light Source: (160) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5246.8 lumens  
Efficiency: N/A  
Efficacy: 68.1 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 (A<sub>in</sub>): 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

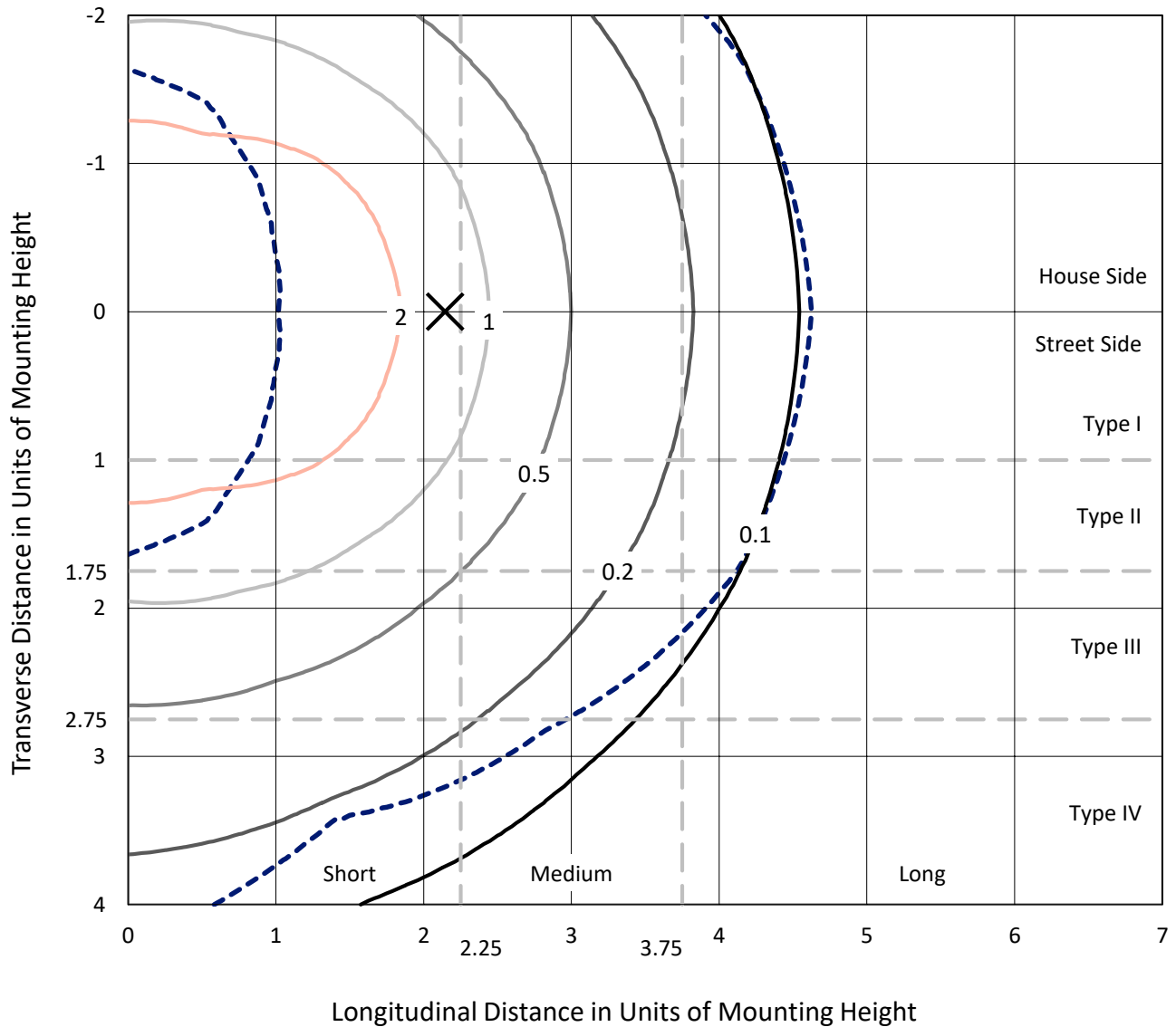


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

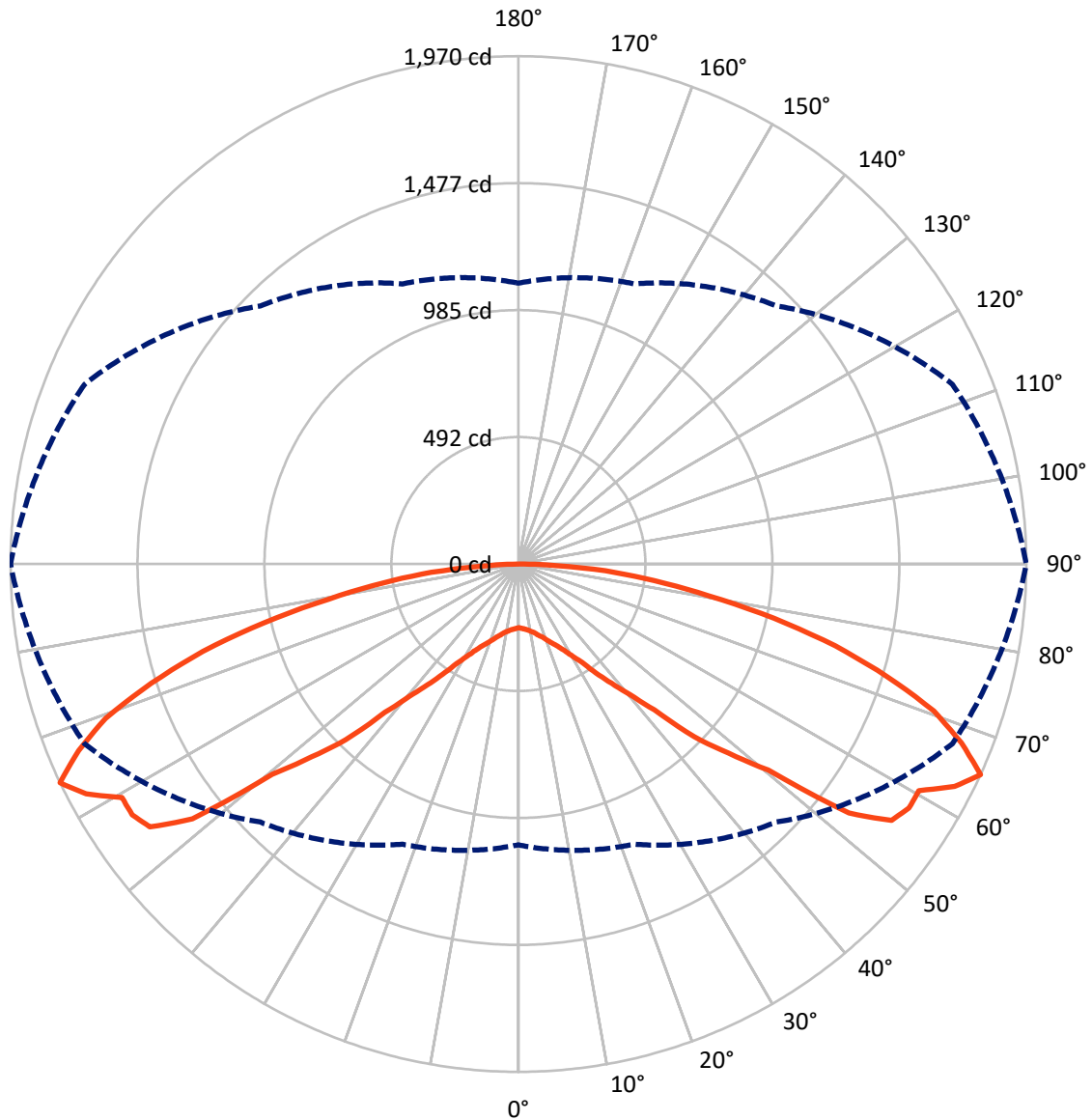


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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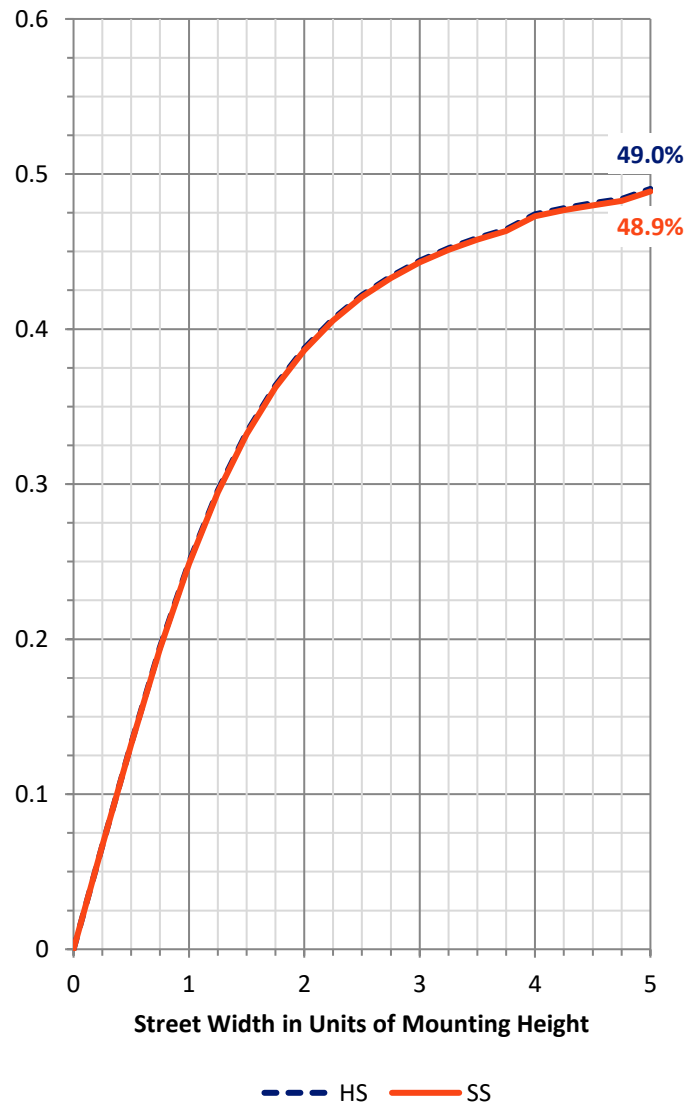
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2623.4   | 0.0    | 2623.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2623.4   | 0.0    | 2623.4 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5246.8   | 0.0    | 5246.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.7   | 0.5       |
| 10°-20°   | 83.8   | 1.6       |
| 20°-30°   | 175.8  | 3.4       |
| 30°-40°   | 334.4  | 6.4       |
| 40°-50°   | 621.5  | 11.8      |
| 50°-60°   | 1101.5 | 21.0      |
| 60°-70°   | 1430.5 | 27.3      |
| 70°-80°   | 1139.4 | 21.7      |
| 80°-90°   | 335.2  | 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°    | 5246.8 | 100.0     |
| 0°-180°   | 5246.8 | 100.0     |



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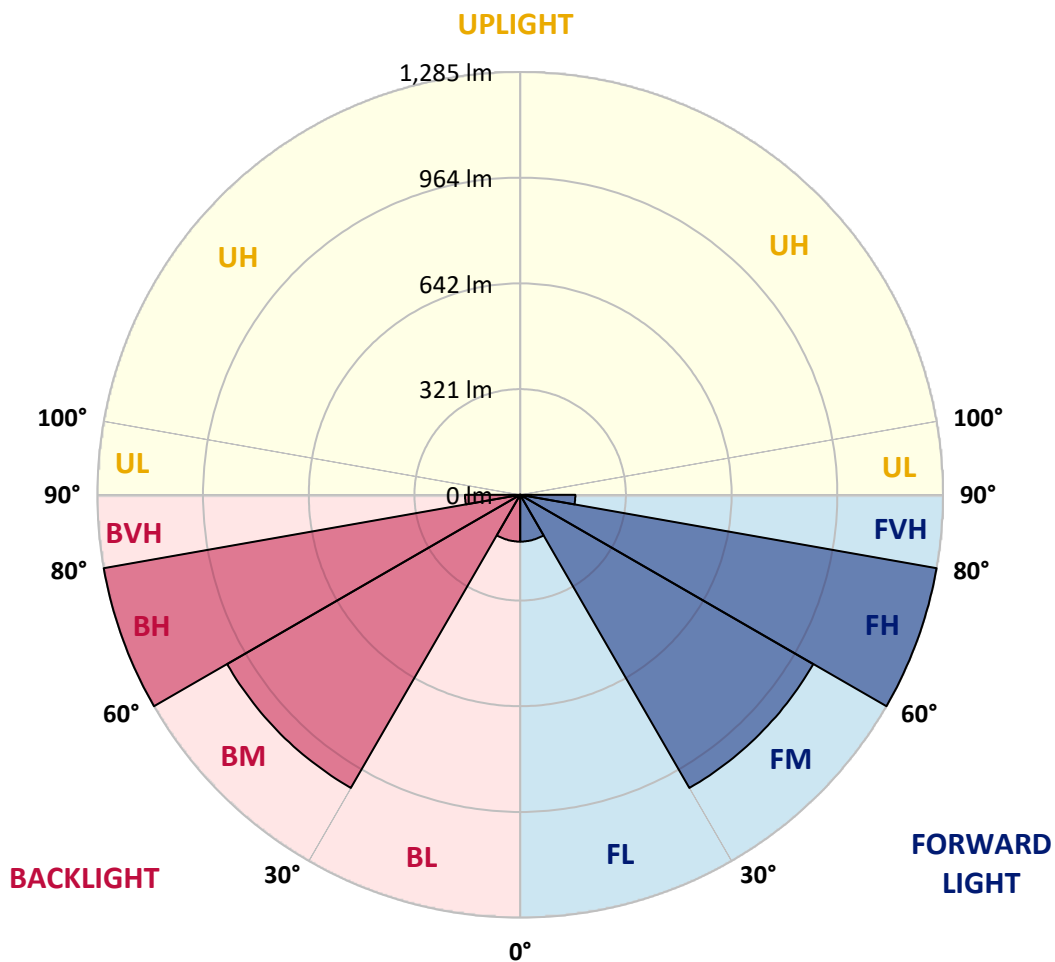
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 142.1  | 2.7       |                         |      |         |
| FM   | (30°-60°)   | 1028.7 | 19.6      |                         |      |         |
| FH   | (60°-80°)   | 1285.0 | 24.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 167.6  | 3.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 142.1  | 2.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1028.7 | 19.6      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1285.0 | 24.5      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 167.6  | 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°    | 246.5  | 246.5  | 246.5  | 246.5  | 246.5  |
| 2.5°  | 248.8  | 248.8  | 250.0  | 250.0  | 250.0  |
| 5°    | 253.4  | 253.4  | 254.6  | 254.6  | 253.4  |
| 7.5°  | 259.2  | 261.5  | 260.4  | 258.1  | 258.1  |
| 10°   | 268.5  | 269.6  | 267.3  | 266.2  | 265.0  |
| 12.5° | 280.1  | 281.2  | 276.6  | 275.4  | 273.1  |
| 15°   | 296.3  | 295.1  | 290.5  | 285.8  | 285.8  |
| 17.5° | 318.3  | 311.3  | 303.2  | 299.7  | 297.4  |
| 20°   | 343.7  | 334.5  | 324.0  | 315.9  | 314.8  |
| 22.5° | 372.6  | 359.9  | 346.0  | 334.5  | 333.3  |
| 25°   | 400.4  | 390.0  | 372.6  | 357.6  | 353.0  |
| 27.5° | 430.5  | 422.4  | 400.4  | 383.1  | 379.6  |
| 30°   | 465.2  | 458.3  | 432.8  | 416.6  | 415.5  |
| 32.5° | 505.7  | 496.5  | 468.7  | 457.1  | 456.0  |
| 35°   | 554.3  | 537.0  | 512.7  | 504.6  | 518.5  |
| 37.5° | 600.6  | 581.0  | 561.3  | 575.2  | 586.7  |
| 40°   | 641.1  | 628.4  | 619.1  | 648.1  | 664.3  |
| 42.5° | 680.5  | 673.5  | 680.5  | 723.3  | 773.1  |
| 45°   | 722.1  | 724.5  | 749.9  | 866.8  | 955.9  |
| 47.5° | 770.8  | 771.9  | 832.1  | 1011.5 | 1095.9 |
| 50°   | 824.0  | 822.8  | 929.3  | 1120.3 | 1255.7 |
| 52.5° | 876.1  | 880.7  | 1026.5 | 1354.0 | 1605.2 |
| 55°   | 922.4  | 947.8  | 1158.4 | 1589.0 | 1755.6 |
| 57.5° | 962.9  | 1011.5 | 1282.3 | 1658.4 | 1785.7 |
| 60°   | 1006.8 | 1087.8 | 1369.1 | 1672.3 | 1784.5 |
| 62.5° | 1049.7 | 1148.0 | 1387.6 | 1733.6 | 1899.1 |
| 65°   | 1089.0 | 1175.8 | 1415.4 | 1821.6 | 1969.7 |
| 67.5° | 1121.4 | 1189.7 | 1415.4 | 1745.2 | 1852.8 |
| 70°   | 1148.0 | 1172.3 | 1333.2 | 1607.5 | 1709.3 |
| 72.5° | 1142.2 | 1100.6 | 1197.8 | 1438.5 | 1497.5 |
| 75°   | 1087.8 | 974.4  | 1055.4 | 1210.5 | 1269.5 |
| 77.5° | 951.3  | 815.9  | 859.9  | 975.6  | 1013.8 |
| 80°   | 753.4  | 636.5  | 662.0  | 736.0  | 747.6  |
| 82.5° | 531.2  | 457.1  | 466.4  | 523.1  | 531.2  |
| 85°   | 312.5  | 281.2  | 272.0  | 322.9  | 339.1  |
| 87.5° | 92.6   | 81.0   | 79.9   | 97.2   | 107.6  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)