

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: STREETWORKS

Report Number: P212586

Luminaire Tested: **MPB-AF-D-U-SYM-8030-600**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P212586  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25988)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: MPB-AF-D-U-SYM-8030-600  
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE  
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 2678 lumens  
Efficiency: N/A  
Efficacy: 78.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G1

Input Watts (W): 34  
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: 28.75 FT



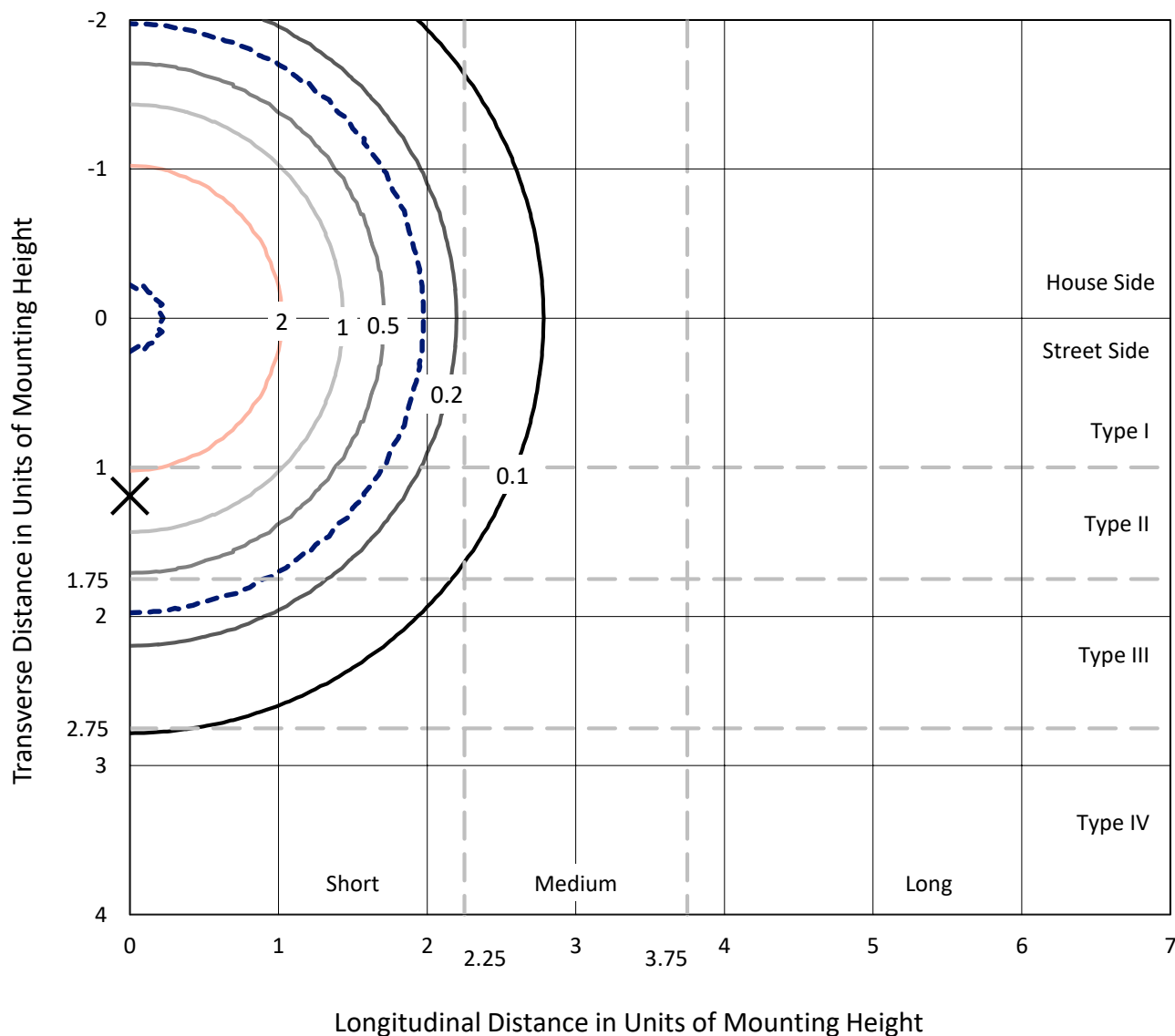
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

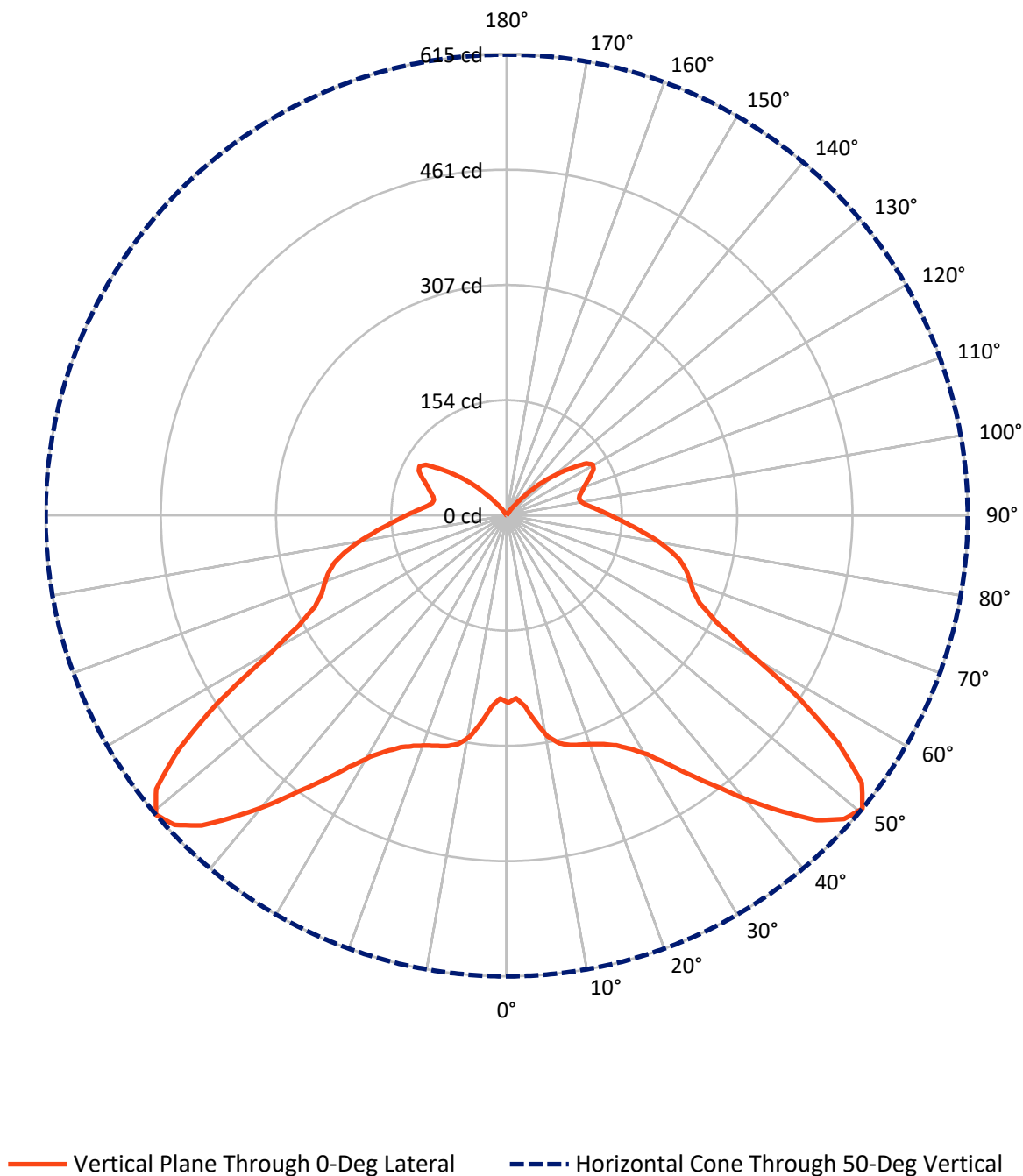


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc  
 Type V - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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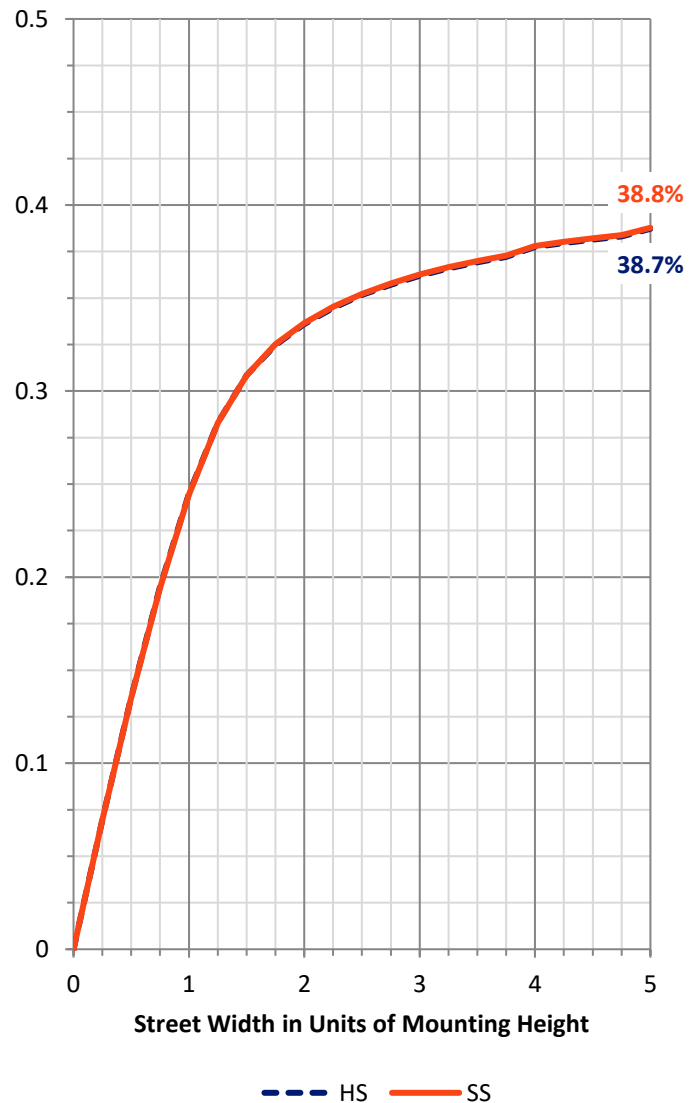
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1088.5   | 250.5  | 1339.0 |
|                    | % Fixture | 40.6     | 9.4    | 50.0   |
| <b>Street Side</b> | Lumens    | 1088.5   | 250.5  | 1339.0 |
|                    | % Fixture | 40.6     | 9.4    | 50.0   |
| <b>Total</b>       | Lumens    | 2177.0   | 501.0  | 2678.0 |
|                    | % Fixture | 81.3     | 18.7   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 26.0   | 1.0       |
| 10°-20°   | 89.9   | 3.4       |
| 20°-30°   | 159.3  | 5.9       |
| 30°-40°   | 271.5  | 10.1      |
| 40°-50°   | 443.3  | 16.6      |
| 50°-60°   | 464.5  | 17.3      |
| 60°-70°   | 292.0  | 10.9      |
| 70°-80°   | 249.0  | 9.3       |
| 80°-90°   | 181.6  | 6.8       |
| 90°-100°  | 126.3  | 4.7       |
| 100°-110° | 108.9  | 4.1       |
| 110°-120° | 122.6  | 4.6       |
| 120°-130° | 99.0   | 3.7       |
| 130°-140° | 38.0   | 1.4       |
| 140°-150° | 5.9    | 0.2       |
| 150°-160° | 0.2    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2177.0 | 81.3      |
| 0°-180°   | 2678.0 | 100.0     |

**Coefficient of Utilization**



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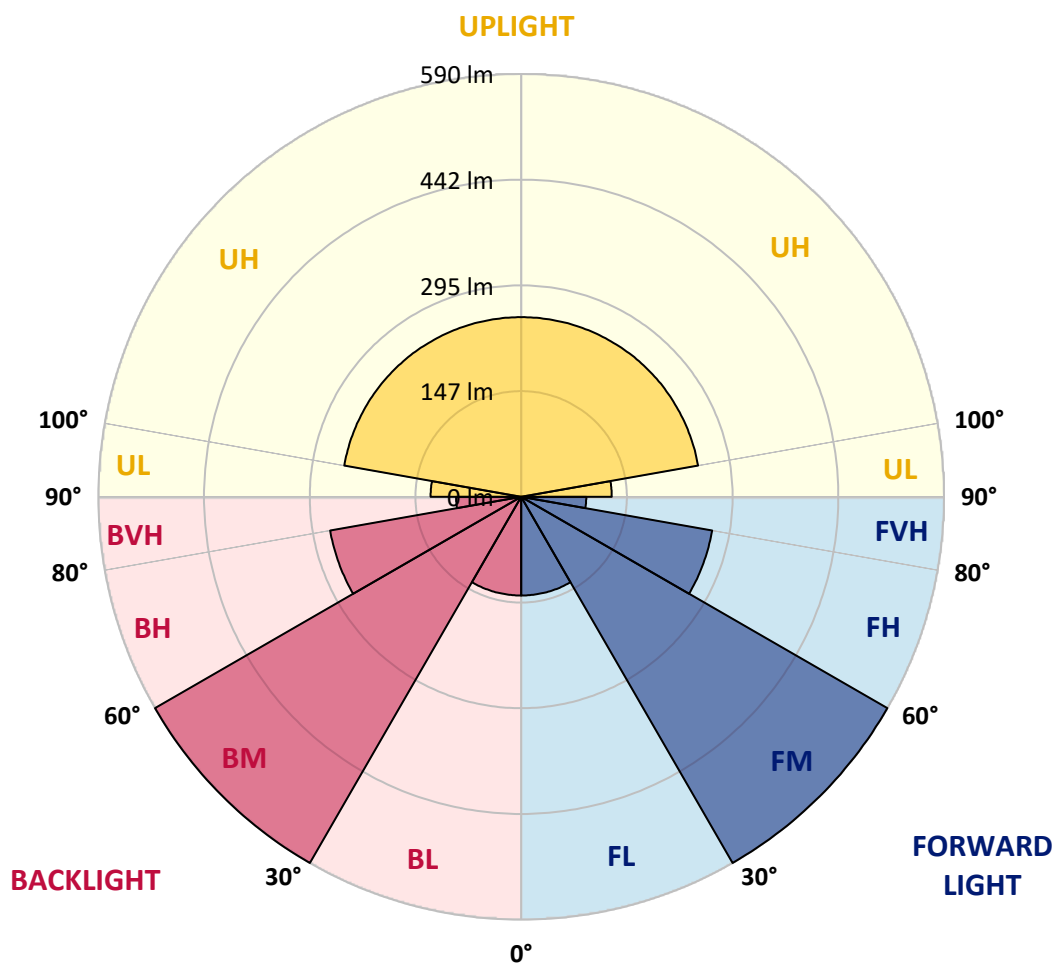
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 137.6  | 5.1       |                         |        |        |
| FM   | (30°-60°)   | 589.6  | 22.0      |                         |        |        |
| FH   | (60°-80°)   | 270.5  | 10.1      |                         |        | G0/660 |
| FVH  | (80°-90°)   | 90.8   | 3.4       |                         |        | G1/100 |
| BL   | (0°-30°)    | 137.6  | 5.1       | B1/500                  |        |        |
| BM   | (30°-60°)   | 589.6  | 22.0      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 270.5  | 10.1      | B1/500                  |        | G0/660 |
| BVH  | (80°-90°)   | 90.8   | 3.4       |                         |        | G1/100 |
| UL   | (90°-100°)  | 126.3  | 4.7       |                         | U3/500 |        |
| UH   | (100°-180°) | 250.5  | 9.4       |                         | U3/500 |        |

**BUG Rating: B1-U3-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 249.6 |
| 2.5°   | 244.1 |
| 5°     | 255.7 |
| 7.5°   | 278.3 |
| 10°    | 299.5 |
| 12.5°  | 311.8 |
| 15°    | 317.9 |
| 17.5°  | 321.4 |
| 20°    | 325.5 |
| 22.5°  | 331.6 |
| 25°    | 339.8 |
| 27.5°  | 352.8 |
| 30°    | 369.9 |
| 32.5°  | 395.2 |
| 35°    | 426.7 |
| 37.5°  | 460.8 |
| 40°    | 501.2 |
| 42.5°  | 540.2 |
| 45°    | 579.8 |
| 47.5°  | 605.1 |
| 50°    | 614.7 |
| 52.5°  | 592.8 |
| 55°    | 536.7 |
| 57.5°  | 458.8 |
| 60°    | 369.9 |
| 62.5°  | 313.8 |
| 65°    | 283.1 |
| 67.5°  | 268.0 |
| 70°    | 259.1 |
| 72.5°  | 250.2 |
| 75°    | 238.6 |
| 77.5°  | 222.2 |
| 80°    | 203.1 |
| 82.5°  | 182.6 |
| 85°    | 164.8 |
| 87.5°  | 149.1 |
| 90°    | 136.1 |
| 92.5°  | 124.4 |
| 95°    | 114.2 |
| 97.5°  | 106.0 |
| 100°   | 100.5 |
| 102.5° | 99.1  |
| 105°   | 101.2 |
| 107.5° | 106.0 |
| 110°   | 110.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    |
|--------|-------|
| 112.5° | 116.9 |
| 115°   | 124.4 |
| 117.5° | 131.3 |
| 120°   | 133.3 |
| 122.5° | 127.2 |
| 125°   | 110.8 |
| 127.5° | 95.0  |
| 130°   | 79.3  |
| 132.5° | 63.6  |
| 135°   | 47.2  |
| 137.5° | 32.1  |
| 140°   | 21.2  |
| 142.5° | 13.0  |
| 145°   | 7.5   |
| 147.5° | 4.1   |
| 150°   | 2.1   |
| 152.5° | 0.7   |
| 155°   | 0.0   |
| 157.5° | 0.0   |
| 160°   | 0.0   |
| 162.5° | 0.0   |
| 165°   | 0.0   |
| 167.5° | 0.0   |
| 170°   | 0.0   |
| 172.5° | 0.0   |
| 175°   | 0.0   |
| 177.5° | 0.0   |
| 180°   | 0.0   |

(END OF REPORT)