

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: P212616

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

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P212616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14377)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: MPW-AF-D-U-SYM-8030-600  
Description: WOODBRIDGE 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: 2413 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

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

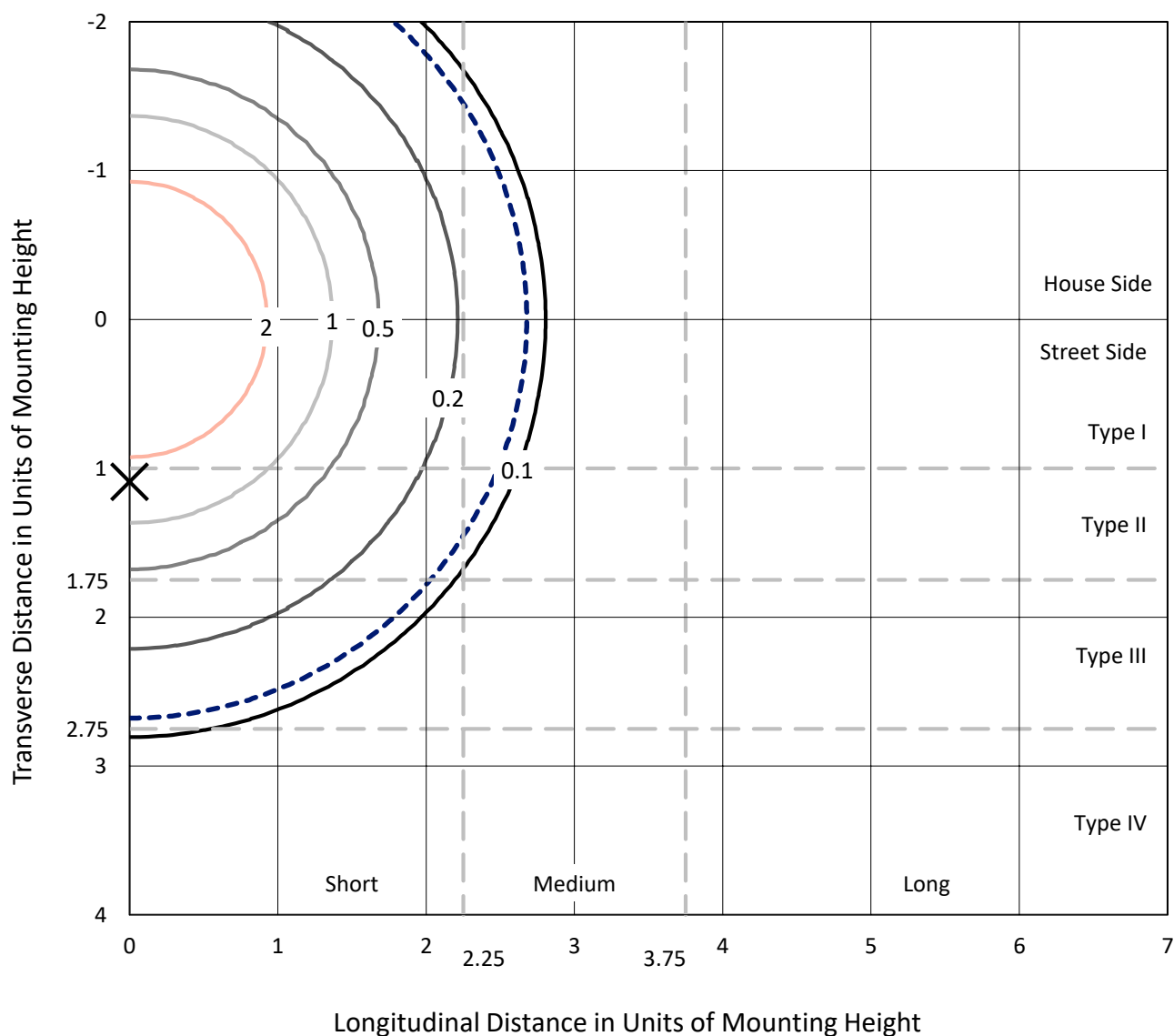


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

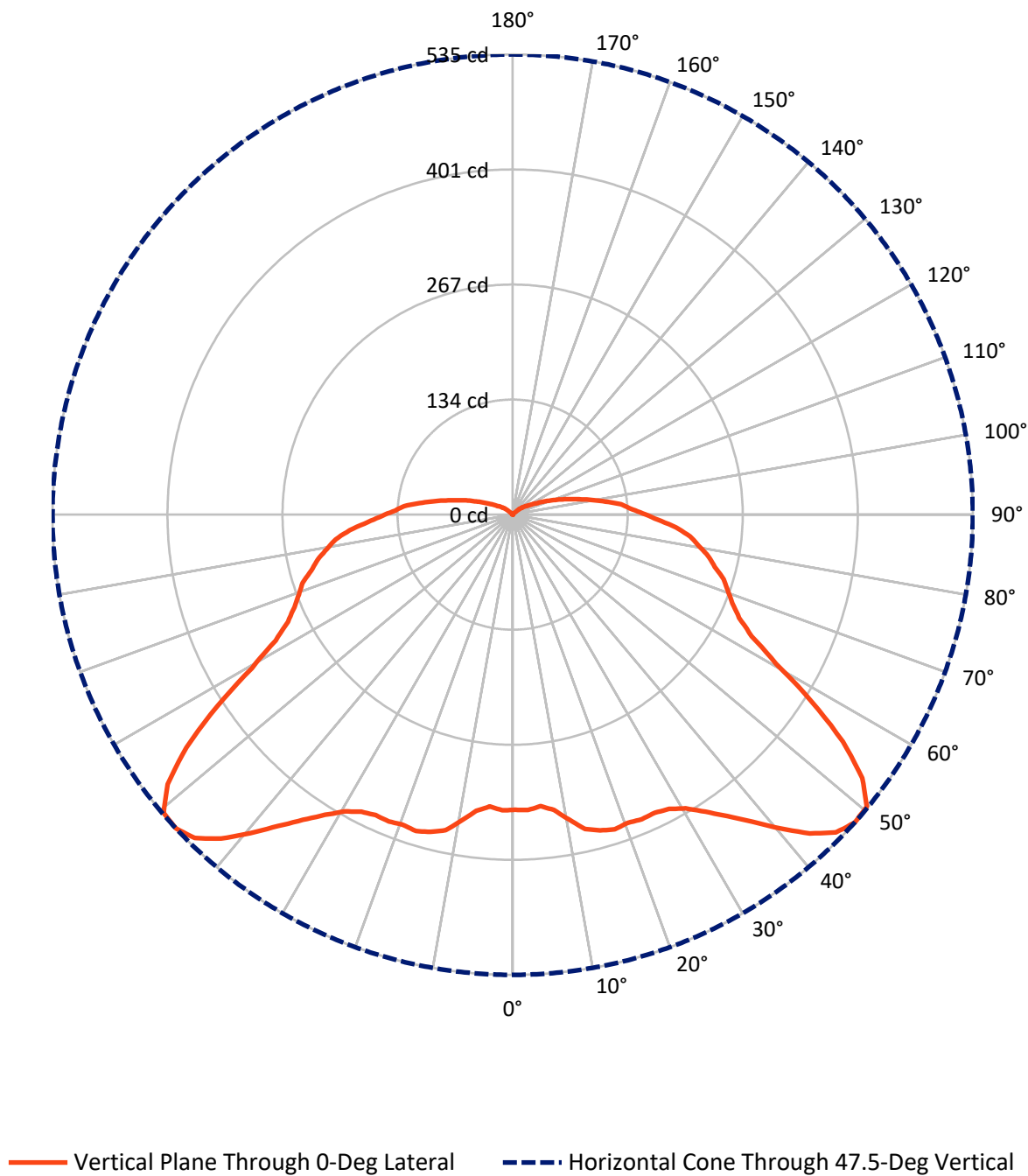


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type V - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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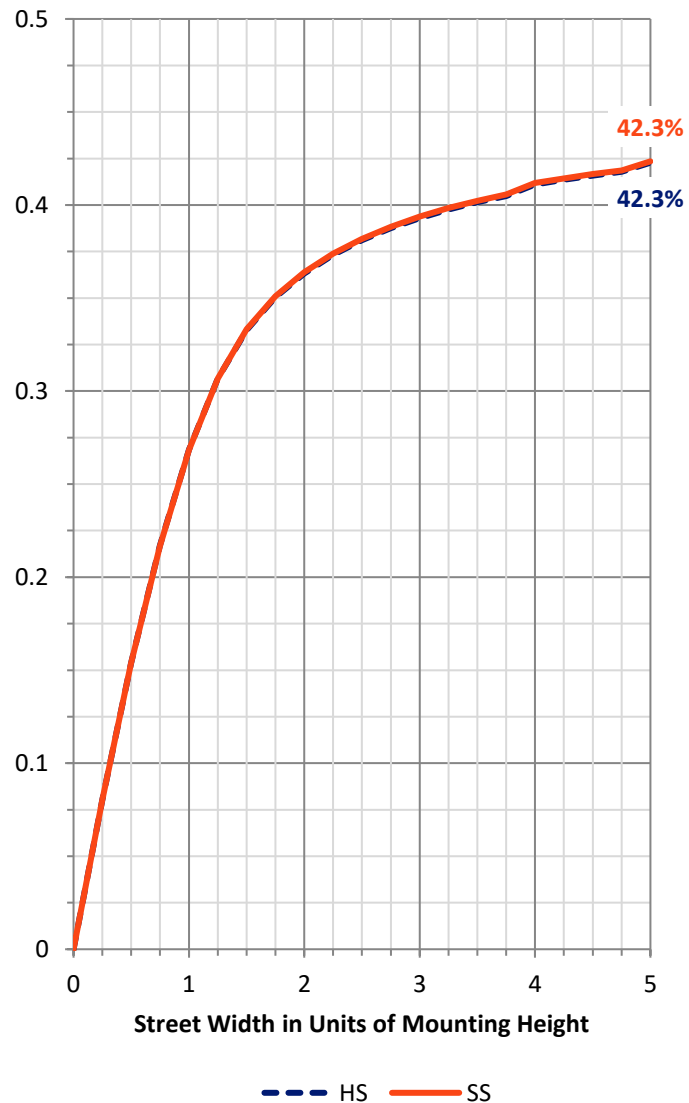
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1078.9   | 127.6  | 1206.5 |
|                    | % Fixture | 44.7     | 5.3    | 50.0   |
| <b>Street Side</b> | Lumens    | 1078.9   | 127.6  | 1206.5 |
|                    | % Fixture | 44.7     | 5.3    | 50.0   |
| <b>Total</b>       | Lumens    | 2157.7   | 255.3  | 2413.0 |
|                    | % Fixture | 89.4     | 10.6   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.2   | 1.4       |
| 10°-20°   | 107.4  | 4.4       |
| 20°-30°   | 178.8  | 7.4       |
| 30°-40°   | 272.9  | 11.3      |
| 40°-50°   | 402.0  | 16.7      |
| 50°-60°   | 407.9  | 16.9      |
| 60°-70°   | 293.4  | 12.2      |
| 70°-80°   | 257.3  | 10.7      |
| 80°-90°   | 204.9  | 8.5       |
| 90°-100°  | 134.9  | 5.6       |
| 100°-110° | 72.3   | 3.0       |
| 110°-120° | 32.0   | 1.3       |
| 120°-130° | 13.5   | 0.6       |
| 130°-140° | 2.5    | 0.1       |
| 140°-150° | 0.1    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2157.7 | 89.4      |
| 0°-180°   | 2413.0 | 100.0     |

**Coefficient of Utilization**



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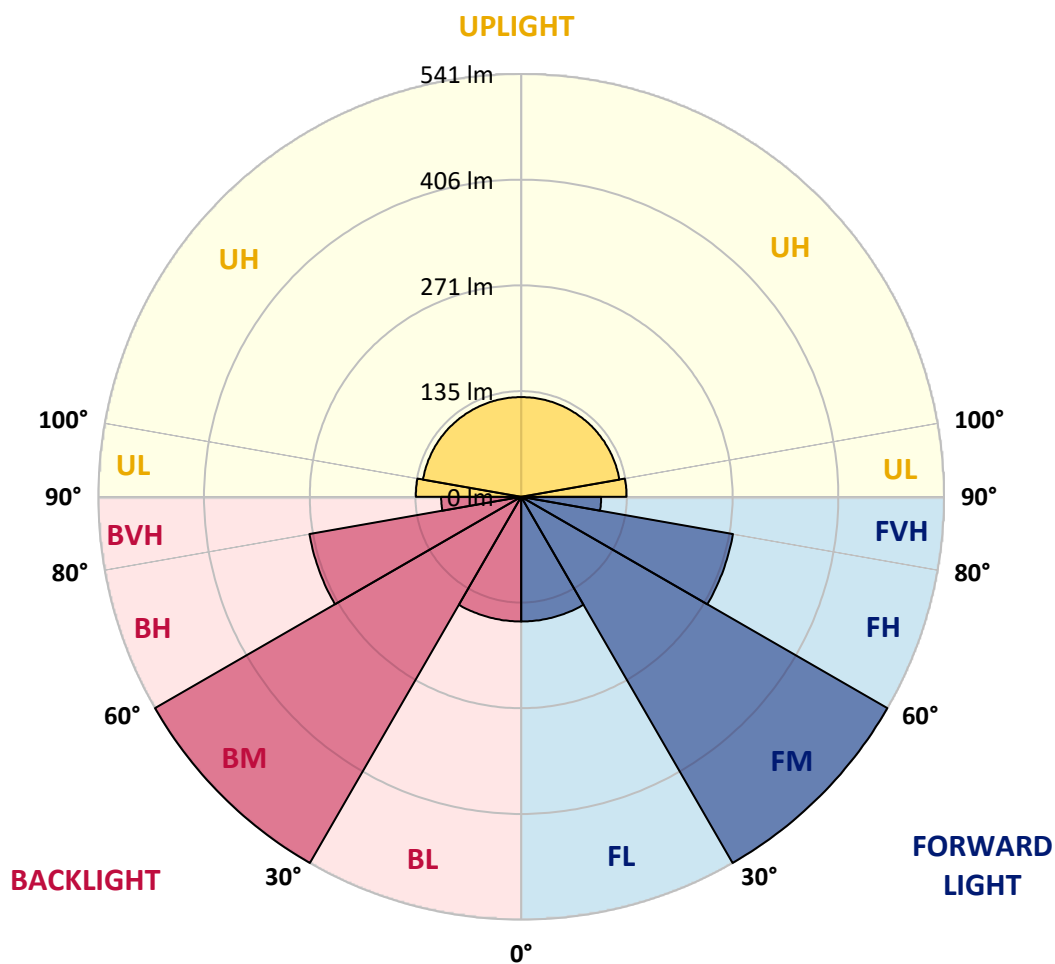
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 159.6  | 6.6       |                         |        |        |
| FM   | (30°-60°)   | 541.4  | 22.4      |                         |        |        |
| FH   | (60°-80°)   | 275.3  | 11.4      |                         |        | G0/660 |
| FVH  | (80°-90°)   | 102.5  | 4.2       |                         |        | G2/225 |
| BL   | (0°-30°)    | 159.6  | 6.6       | B1/500                  |        |        |
| BM   | (30°-60°)   | 541.4  | 22.4      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 275.3  | 11.4      | B1/500                  |        | G0/660 |
| BVH  | (80°-90°)   | 102.5  | 4.2       |                         |        | G2/225 |
| UL   | (90°-100°)  | 134.9  | 5.6       |                         | U3/500 |        |
| UH   | (100°-180°) | 127.6  | 5.3       |                         | U3/500 |        |

**BUG Rating: B1-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

| 0°     |       |
|--------|-------|
| 0°     | 342.8 |
| 2.5°   | 343.5 |
| 5°     | 339.9 |
| 7.5°   | 346.4 |
| 10°    | 360.2 |
| 12.5°  | 374.7 |
| 15°    | 380.6 |
| 17.5°  | 384.2 |
| 20°    | 382.0 |
| 22.5°  | 384.2 |
| 25°    | 383.5 |
| 27.5°  | 387.1 |
| 30°    | 395.8 |
| 32.5°  | 411.1 |
| 35°    | 429.9 |
| 37.5°  | 452.5 |
| 40°    | 479.3 |
| 42.5°  | 506.2 |
| 45°    | 526.5 |
| 47.5°  | 534.5 |
| 50°    | 533.1 |
| 52.5°  | 508.4 |
| 55°    | 465.5 |
| 57.5°  | 409.6 |
| 60°    | 351.5 |
| 62.5°  | 311.6 |
| 65°    | 289.1 |
| 67.5°  | 275.3 |
| 70°    | 265.1 |
| 72.5°  | 256.4 |
| 75°    | 242.6 |
| 77.5°  | 232.4 |
| 80°    | 219.3 |
| 82.5°  | 207.7 |
| 85°    | 190.3 |
| 87.5°  | 168.5 |
| 90°    | 151.1 |
| 92.5°  | 136.5 |
| 95°    | 126.4 |
| 97.5°  | 108.9 |
| 100°   | 93.7  |
| 102.5° | 79.2  |
| 105°   | 66.8  |
| 107.5° | 56.6  |
| 110°   | 46.5  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°   |
|--------|------|
| 112.5° | 38.5 |
| 115°   | 30.5 |
| 117.5° | 26.1 |
| 120°   | 20.3 |
| 122.5° | 18.2 |
| 125°   | 14.5 |
| 127.5° | 12.3 |
| 130°   | 9.4  |
| 132.5° | 5.1  |
| 135°   | 2.2  |
| 137.5° | 0.0  |
| 140°   | 0.7  |
| 142.5° | 0.0  |
| 145°   | 0.0  |
| 147.5° | 0.0  |
| 150°   | 0.0  |
| 152.5° | 0.0  |
| 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)