

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: P598235

Luminaire Tested: **PMM-SA1A-835-U-5MQ**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA1A-835-U-5MQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3588 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

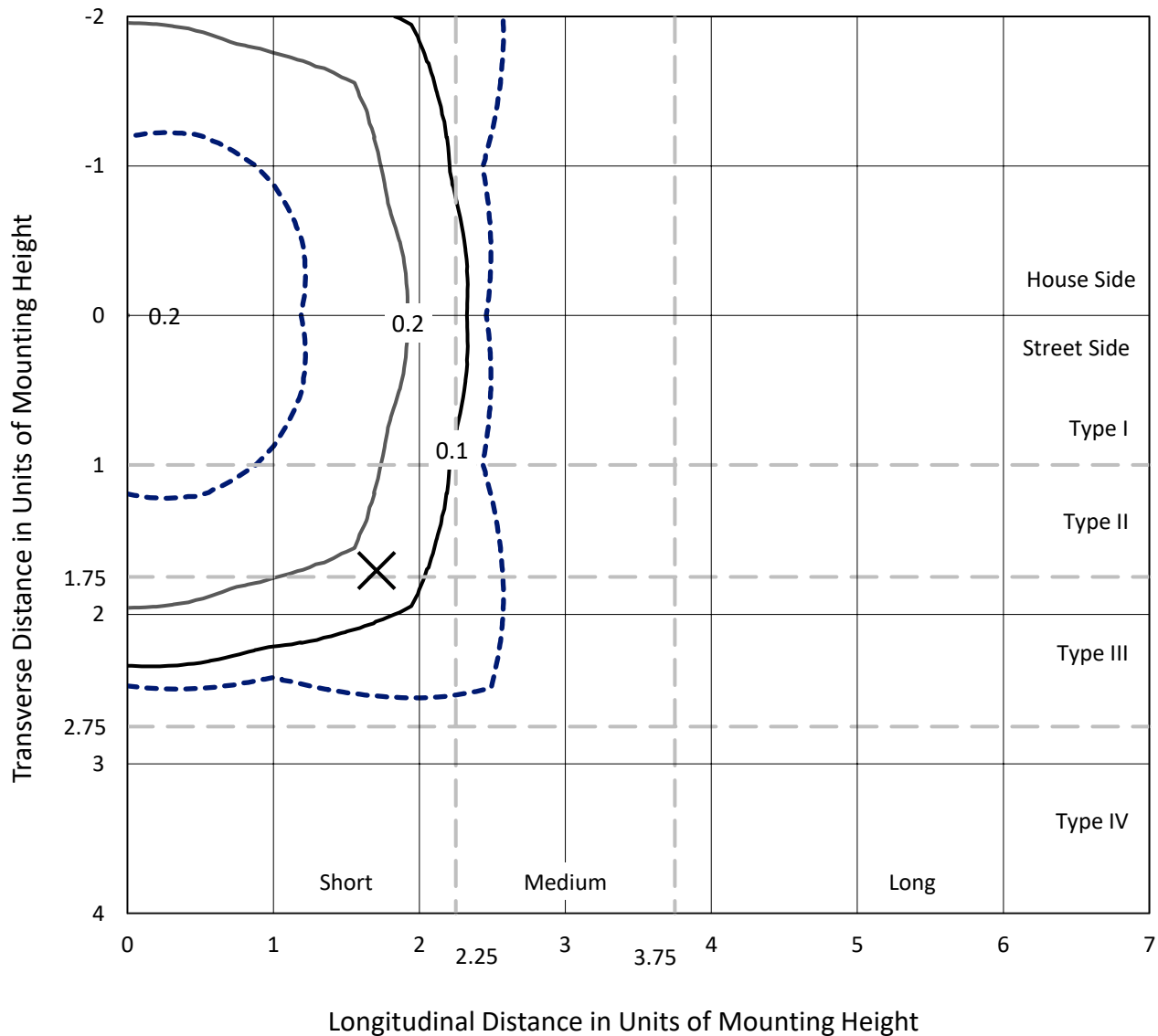
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

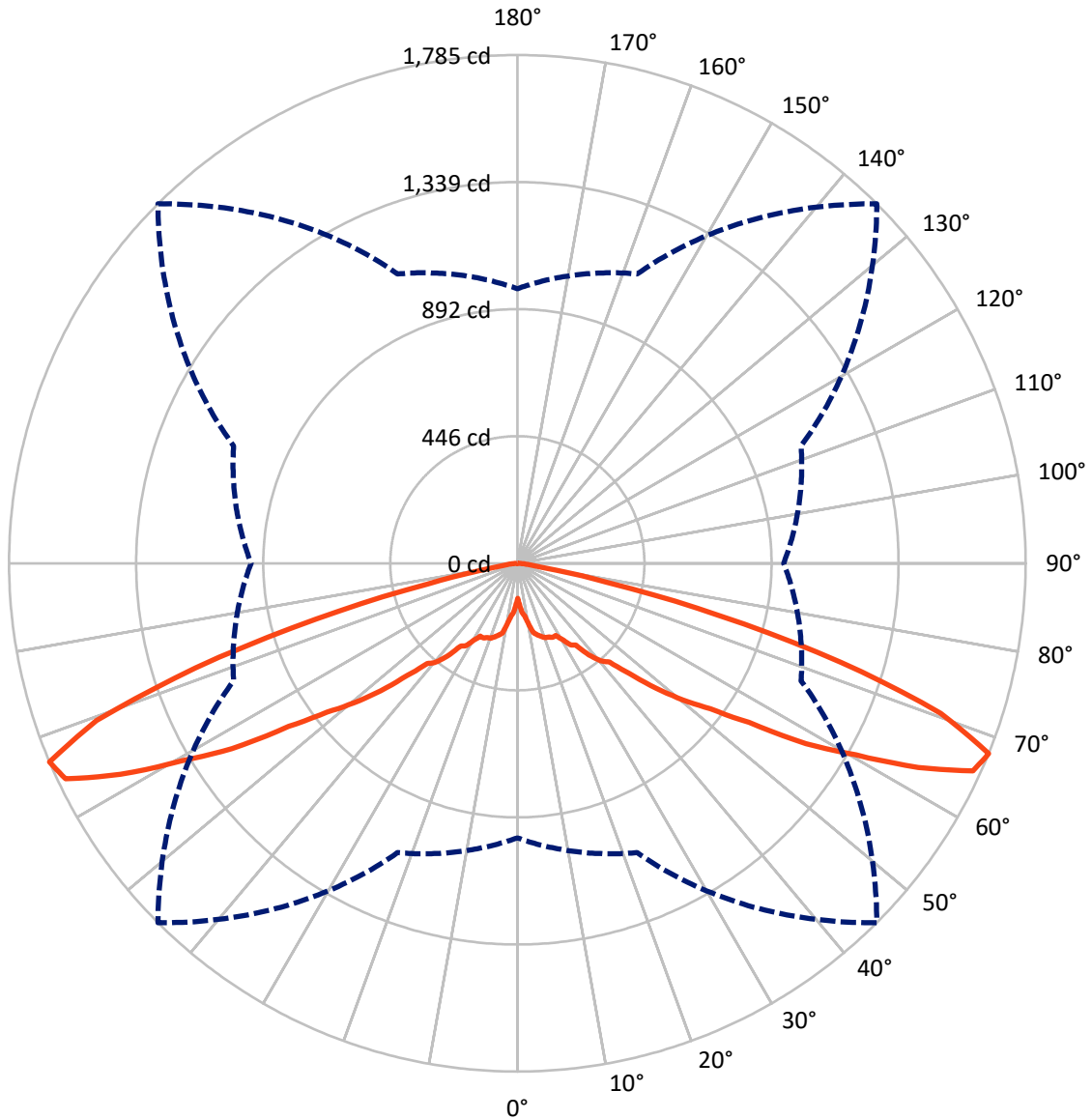
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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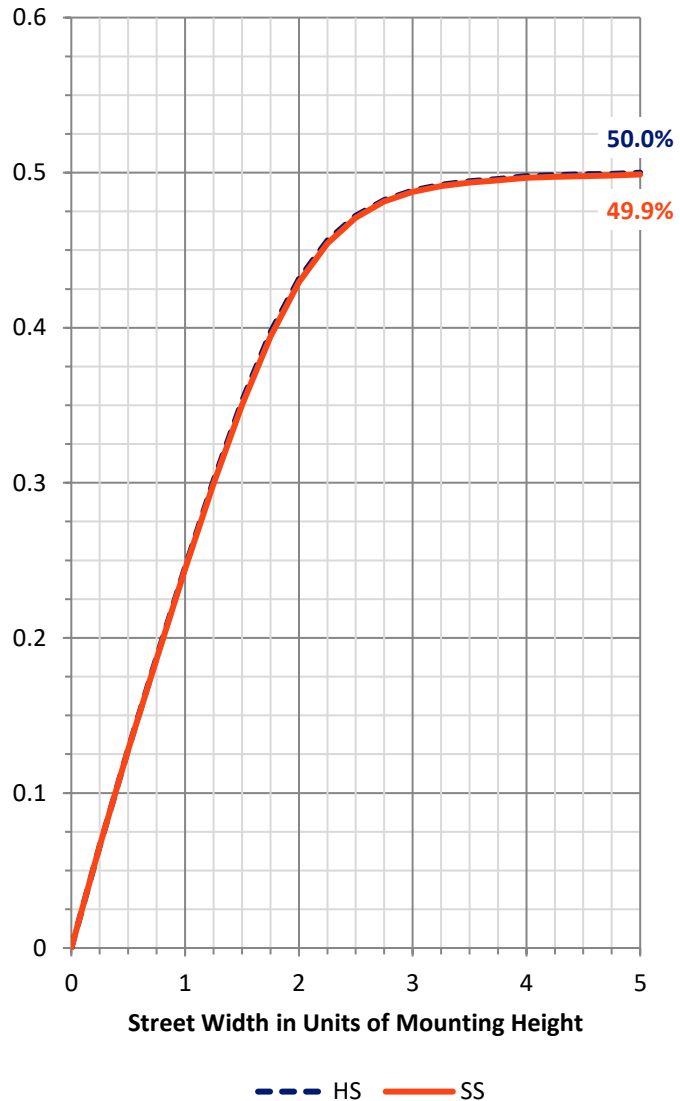
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1794.0 | 0.0 | 1794.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1794.0 | 0.0 | 1794.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3588.0 | 0.0 | 3588.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.3 | 0.5 |
| 10°-20° | 72.5 | 2.0 |
| 20°-30° | 138.3 | 3.9 |
| 30°-40° | 252.9 | 7.0 |
| 40°-50° | 490.3 | 13.7 |
| 50°-60° | 936.4 | 26.1 |
| 60°-70° | 1265.1 | 35.3 |
| 70°-80° | 392.9 | 11.0 |
| 80°-90° | 21.2 | 0.6 |
| 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° | 3588.0 | 100.0 |
| 0°-180° | 3588.0 | 100.0 |

Coefficient of Utilization



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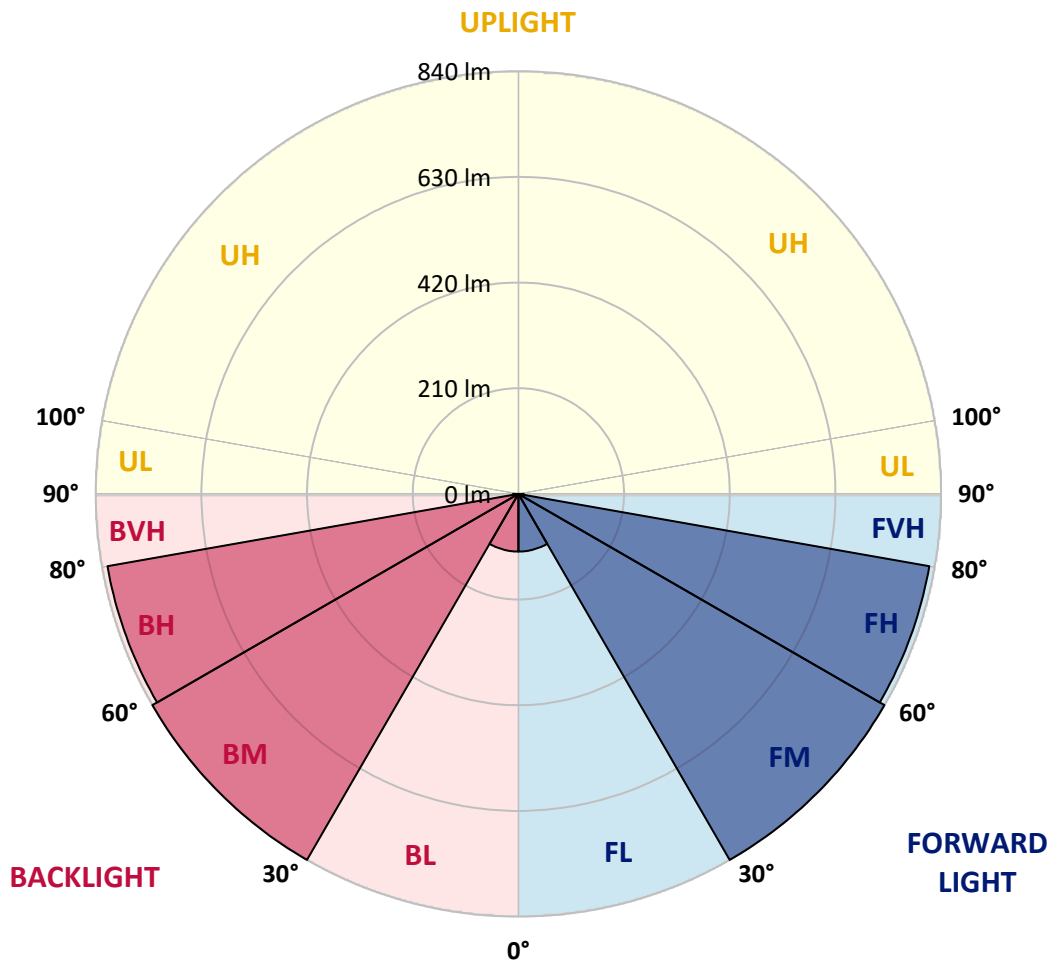
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 114.6 | 3.2 | | | |
| FM (30°-60°) | 839.8 | 23.4 | | | |
| FH (60°-80°) | 829.0 | 23.1 | | | G1/1800 |
| FVH (80°-90°) | 10.6 | 0.3 | | | G1/100 |
| BL (0°-30°) | 114.6 | 3.2 | B1/500 | | |
| BM (30°-60°) | 839.8 | 23.4 | B1/1000 | | |
| BH (60°-80°) | 829.0 | 23.1 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 10.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 123.0 | 123.0 | 123.0 | 123.0 | 123.0 |
| 2.5° | 151.4 | 141.7 | 146.1 | 141.7 | 151.4 |
| 5° | 192.4 | 182.3 | 173.4 | 179.8 | 193.0 |
| 7.5° | 221.1 | 206.0 | 187.3 | 204.3 | 219.8 |
| 10° | 225.9 | 217.5 | 216.7 | 216.5 | 225.4 |
| 12.5° | 244.1 | 238.4 | 249.8 | 239.0 | 244.7 |
| 15° | 258.2 | 255.1 | 260.2 | 259.1 | 258.8 |
| 17.5° | 280.1 | 258.5 | 270.2 | 257.3 | 279.4 |
| 20° | 289.8 | 259.2 | 278.8 | 257.7 | 289.7 |
| 22.5° | 301.8 | 275.6 | 281.4 | 276.3 | 300.7 |
| 25° | 308.6 | 286.1 | 288.2 | 286.4 | 308.7 |
| 27.5° | 336.4 | 309.4 | 287.2 | 313.1 | 341.5 |
| 30° | 357.6 | 324.5 | 309.9 | 324.9 | 360.3 |
| 32.5° | 388.3 | 347.1 | 341.4 | 352.6 | 393.1 |
| 35° | 426.2 | 385.1 | 353.2 | 385.2 | 434.3 |
| 37.5° | 500.7 | 419.6 | 408.4 | 431.8 | 506.2 |
| 40° | 553.2 | 474.1 | 450.1 | 482.8 | 562.2 |
| 42.5° | 633.9 | 535.2 | 474.3 | 539.6 | 647.7 |
| 45° | 709.0 | 609.4 | 551.7 | 614.5 | 719.1 |
| 47.5° | 788.4 | 677.4 | 655.8 | 683.8 | 795.9 |
| 50° | 882.3 | 769.6 | 754.5 | 776.8 | 885.5 |
| 52.5° | 993.0 | 893.0 | 848.3 | 897.1 | 994.1 |
| 55° | 1124.6 | 996.5 | 986.5 | 1007.9 | 1126.3 |
| 57.5° | 1253.2 | 1130.7 | 1194.7 | 1131.9 | 1230.9 |
| 60° | 1345.0 | 1254.3 | 1365.9 | 1222.4 | 1295.5 |
| 62.5° | 1350.8 | 1346.0 | 1579.1 | 1291.9 | 1281.6 |
| 65° | 1224.9 | 1308.9 | 1757.6 | 1266.7 | 1163.4 |
| 67.5° | 964.2 | 1099.6 | 1784.7 | 1078.3 | 934.7 |
| 70° | 605.9 | 761.4 | 1577.7 | 790.7 | 623.1 |
| 72.5° | 279.4 | 410.3 | 1188.1 | 461.9 | 295.4 |
| 75° | 100.1 | 157.1 | 733.0 | 168.7 | 104.7 |
| 77.5° | 56.8 | 63.6 | 323.9 | 63.9 | 58.8 |
| 80° | 36.6 | 39.6 | 93.6 | 41.9 | 35.6 |
| 82.5° | 20.8 | 27.7 | 41.0 | 29.4 | 19.1 |
| 85° | 11.2 | 17.6 | 18.2 | 18.0 | 11.2 |
| 87.5° | 4.0 | 6.9 | 4.0 | 7.9 | 3.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)