

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P367897

Luminaire Tested: **PMM-SA3B-830-U-5MQ**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P367897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-6)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3B-830-U-5MQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12582 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

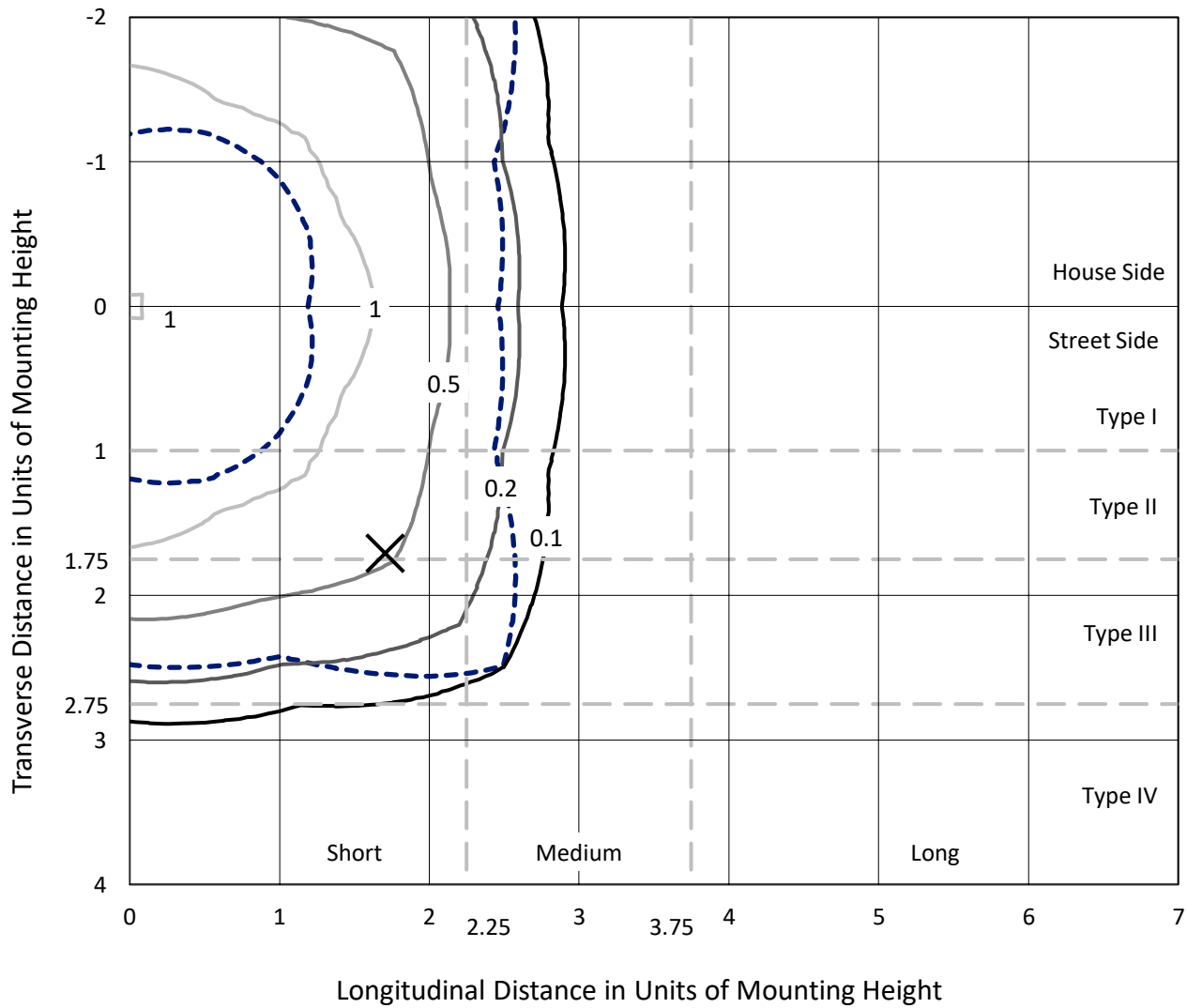
Input Watts (W): 126
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

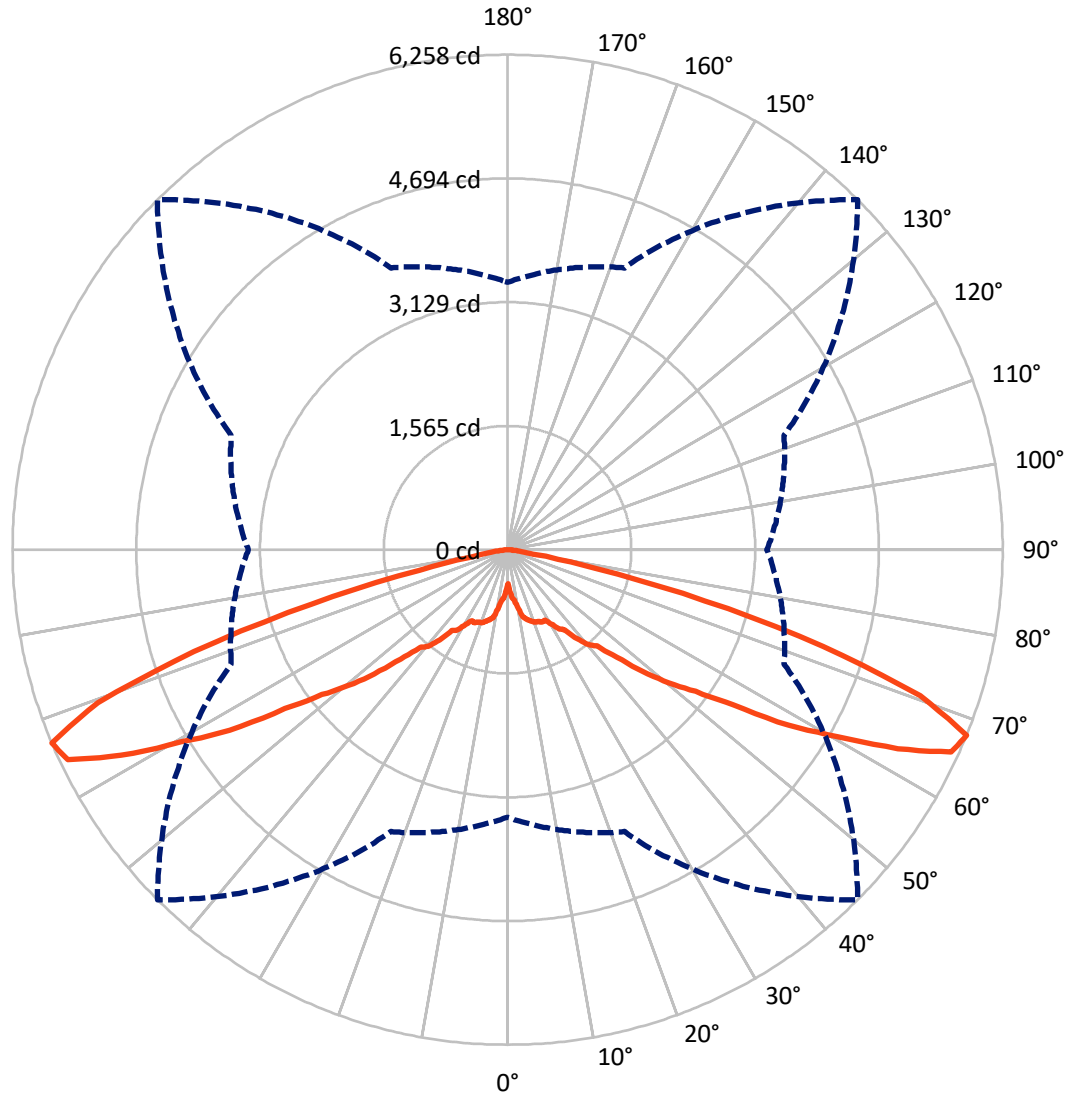
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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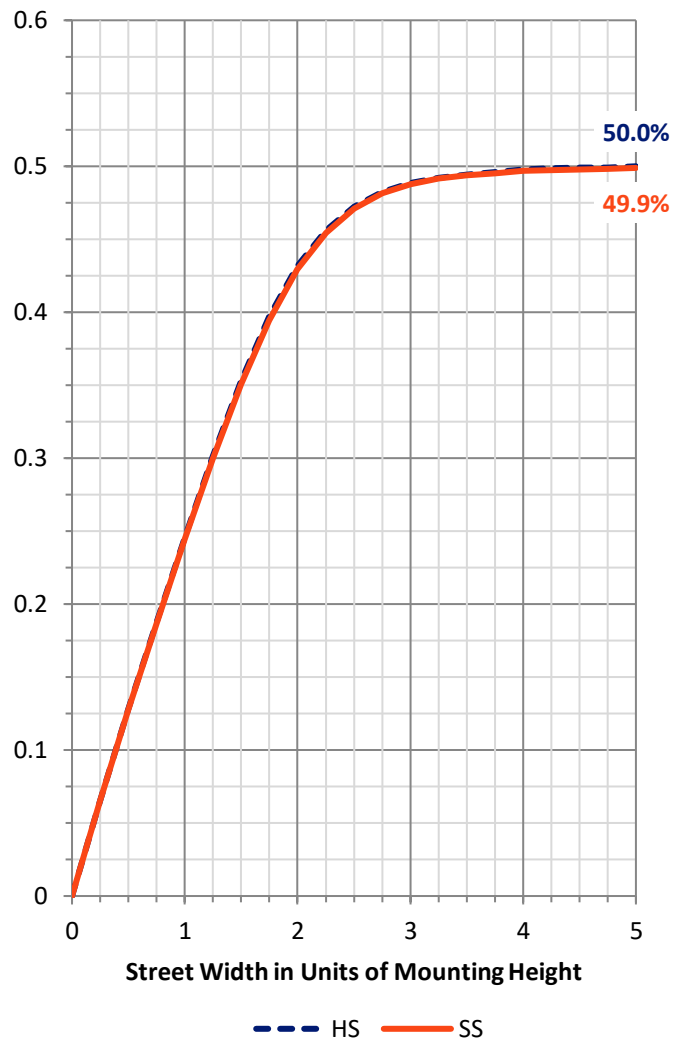
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6291.0 | 0.0 | 6291.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6291.0 | 0.0 | 6291.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12582.0 | 0.0 | 12582.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 64.3 | 0.5 |
| 10°-20° | 254.2 | 2.0 |
| 20°-30° | 485.0 | 3.9 |
| 30°-40° | 886.8 | 7.0 |
| 40°-50° | 1719.5 | 13.7 |
| 50°-60° | 3283.6 | 26.1 |
| 60°-70° | 4436.5 | 35.3 |
| 70°-80° | 1377.8 | 11.0 |
| 80°-90° | 74.2 | 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° | 12582.0 | 100.0 |
| 0°-180° | 12582.0 | 100.0 |

Coefficient of Utilization

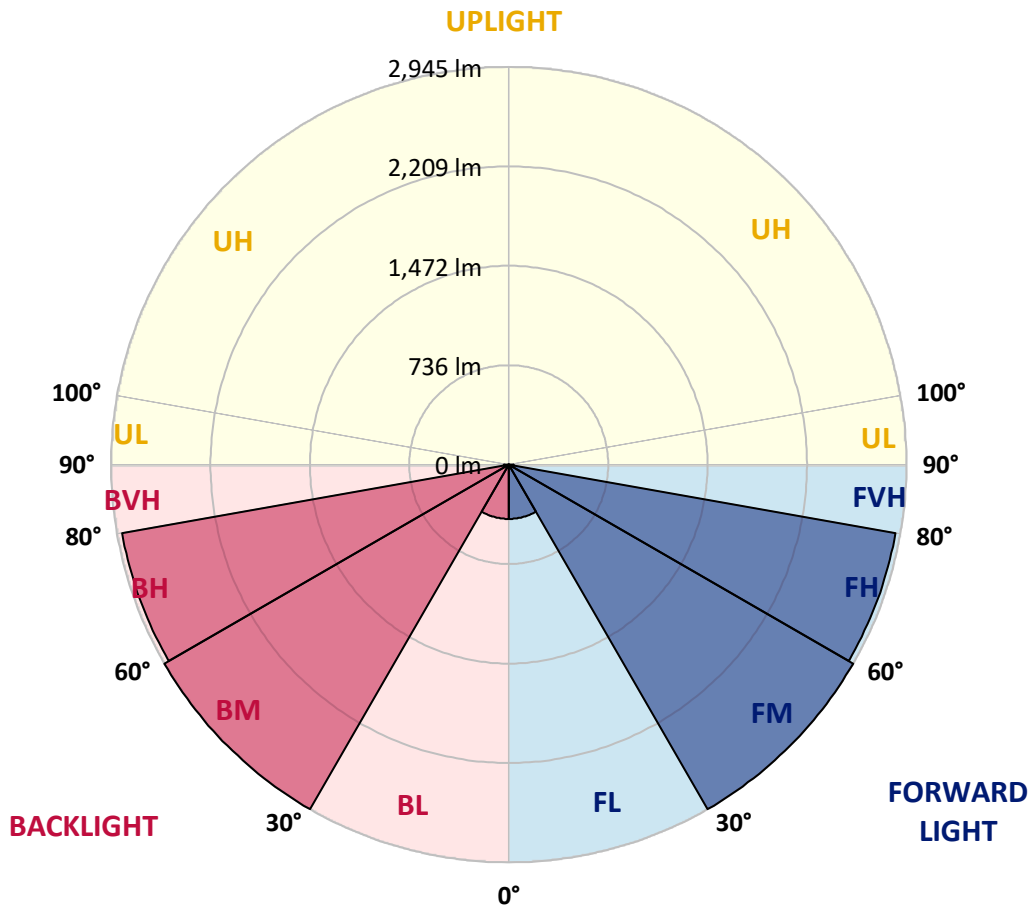


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 401.8 | 3.2 | | | |
| FM (30°-60°) | 2944.9 | 23.4 | | | |
| FH (60°-80°) | 2907.2 | 23.1 | | | G2/5000 |
| FVH (80°-90°) | 37.1 | 0.3 | | | G1/100 |
| BL (0°-30°) | 401.8 | 3.2 | B1/500 | | |
| BM (30°-60°) | 2944.9 | 23.4 | B3/5000 | | |
| BH (60°-80°) | 2907.2 | 23.1 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 37.1 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 431.2 | 431.2 | 431.2 | 431.2 | 431.2 |
| 2.5° | 530.8 | 496.8 | 512.3 | 496.8 | 530.8 |
| 5° | 674.7 | 639.2 | 608.1 | 630.4 | 676.6 |
| 7.5° | 775.3 | 722.3 | 656.7 | 716.5 | 770.9 |
| 10° | 792.3 | 762.7 | 759.7 | 759.3 | 790.4 |
| 12.5° | 856.0 | 836.1 | 875.9 | 838.0 | 857.9 |
| 15° | 905.6 | 894.4 | 912.4 | 908.5 | 907.5 |
| 17.5° | 982.4 | 906.5 | 947.4 | 902.2 | 979.9 |
| 20° | 1016.4 | 909.0 | 977.5 | 903.6 | 1015.9 |
| 22.5° | 1058.2 | 966.3 | 986.7 | 968.8 | 1054.3 |
| 25° | 1082.0 | 1003.3 | 1010.6 | 1004.2 | 1082.5 |
| 27.5° | 1179.7 | 1084.9 | 1007.2 | 1098.1 | 1197.7 |
| 30° | 1254.1 | 1137.9 | 1086.9 | 1139.4 | 1263.3 |
| 32.5° | 1361.5 | 1217.1 | 1197.2 | 1236.6 | 1378.5 |
| 35° | 1494.7 | 1350.3 | 1238.5 | 1350.8 | 1522.9 |
| 37.5° | 1755.7 | 1471.4 | 1432.0 | 1514.1 | 1775.2 |
| 40° | 1940.0 | 1662.4 | 1578.3 | 1693.0 | 1971.5 |
| 42.5° | 2222.8 | 1876.8 | 1663.4 | 1892.3 | 2271.5 |
| 45° | 2486.3 | 2136.8 | 1934.6 | 2154.8 | 2521.8 |
| 47.5° | 2764.8 | 2375.5 | 2299.7 | 2397.8 | 2791.1 |
| 50° | 3093.9 | 2698.7 | 2645.7 | 2724.0 | 3105.1 |
| 52.5° | 3482.3 | 3131.3 | 2974.8 | 3145.9 | 3486.2 |
| 55° | 3943.6 | 3494.4 | 3459.4 | 3534.3 | 3949.4 |
| 57.5° | 4394.7 | 3965.0 | 4189.5 | 3969.3 | 4316.4 |
| 60° | 4716.4 | 4398.5 | 4789.8 | 4286.8 | 4542.9 |
| 62.5° | 4736.9 | 4719.8 | 5537.4 | 4530.3 | 4494.3 |
| 65° | 4295.5 | 4590.1 | 6163.5 | 4441.8 | 4079.7 |
| 67.5° | 3381.2 | 3856.1 | 6258.3 | 3781.2 | 3277.6 |
| 70° | 2124.7 | 2670.0 | 5532.6 | 2772.6 | 2184.9 |
| 72.5° | 979.9 | 1438.8 | 4166.2 | 1619.6 | 1035.8 |
| 75° | 351.0 | 550.7 | 2570.4 | 591.6 | 367.0 |
| 77.5° | 199.3 | 223.1 | 1136.0 | 224.1 | 206.1 |
| 80° | 128.3 | 139.0 | 328.1 | 146.8 | 124.9 |
| 82.5° | 72.9 | 97.2 | 143.9 | 103.0 | 67.1 |
| 85° | 39.4 | 61.7 | 63.7 | 63.2 | 39.4 |
| 87.5° | 14.1 | 24.3 | 14.1 | 27.7 | 13.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)