

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: P367303

Luminaire Tested: **PMM-SA2B-740-U-5MQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367303
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-SA2B-740-U-5MQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10729 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 85
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

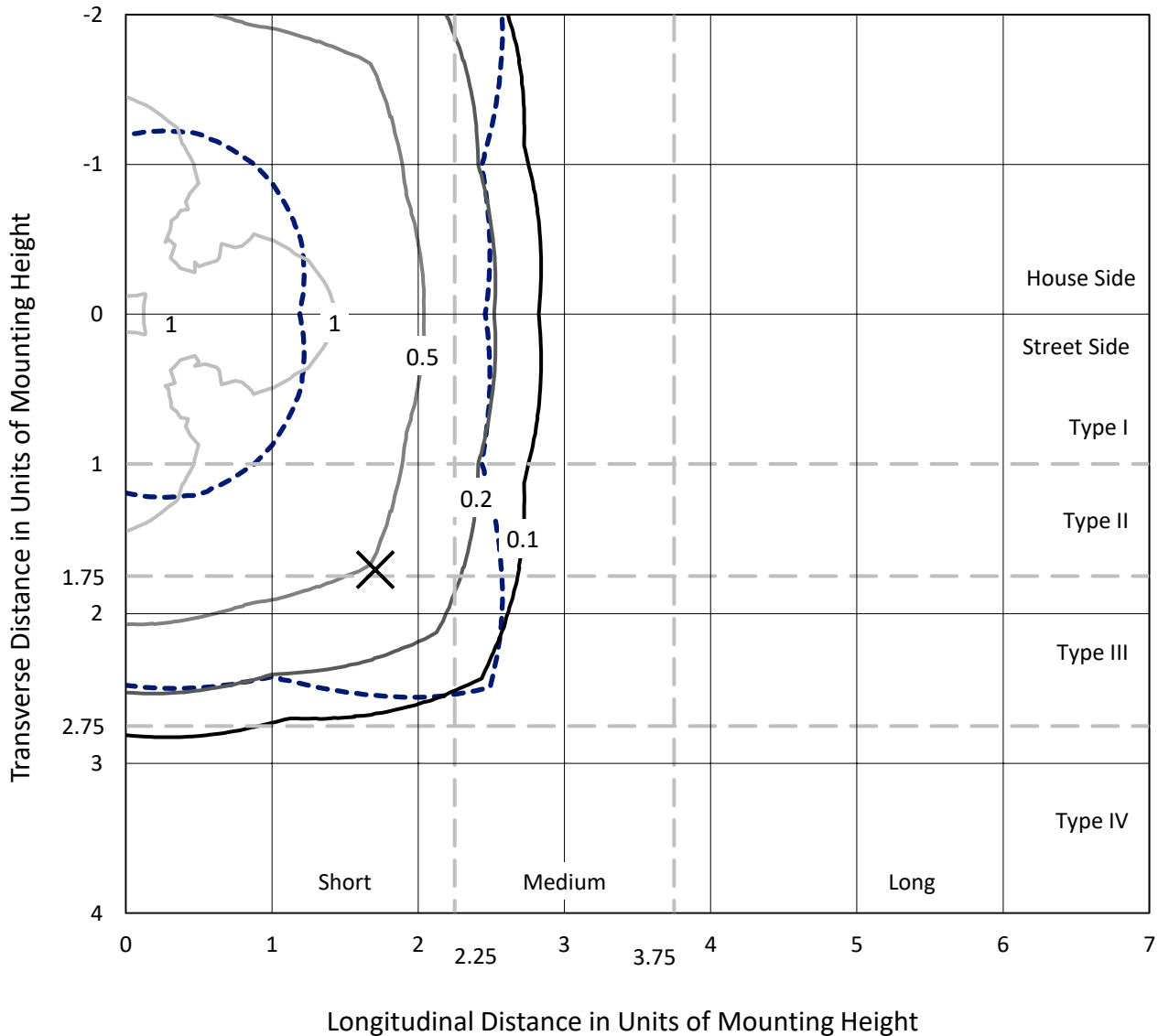


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Iso-Footcandle Lines of Horizontal Illumination

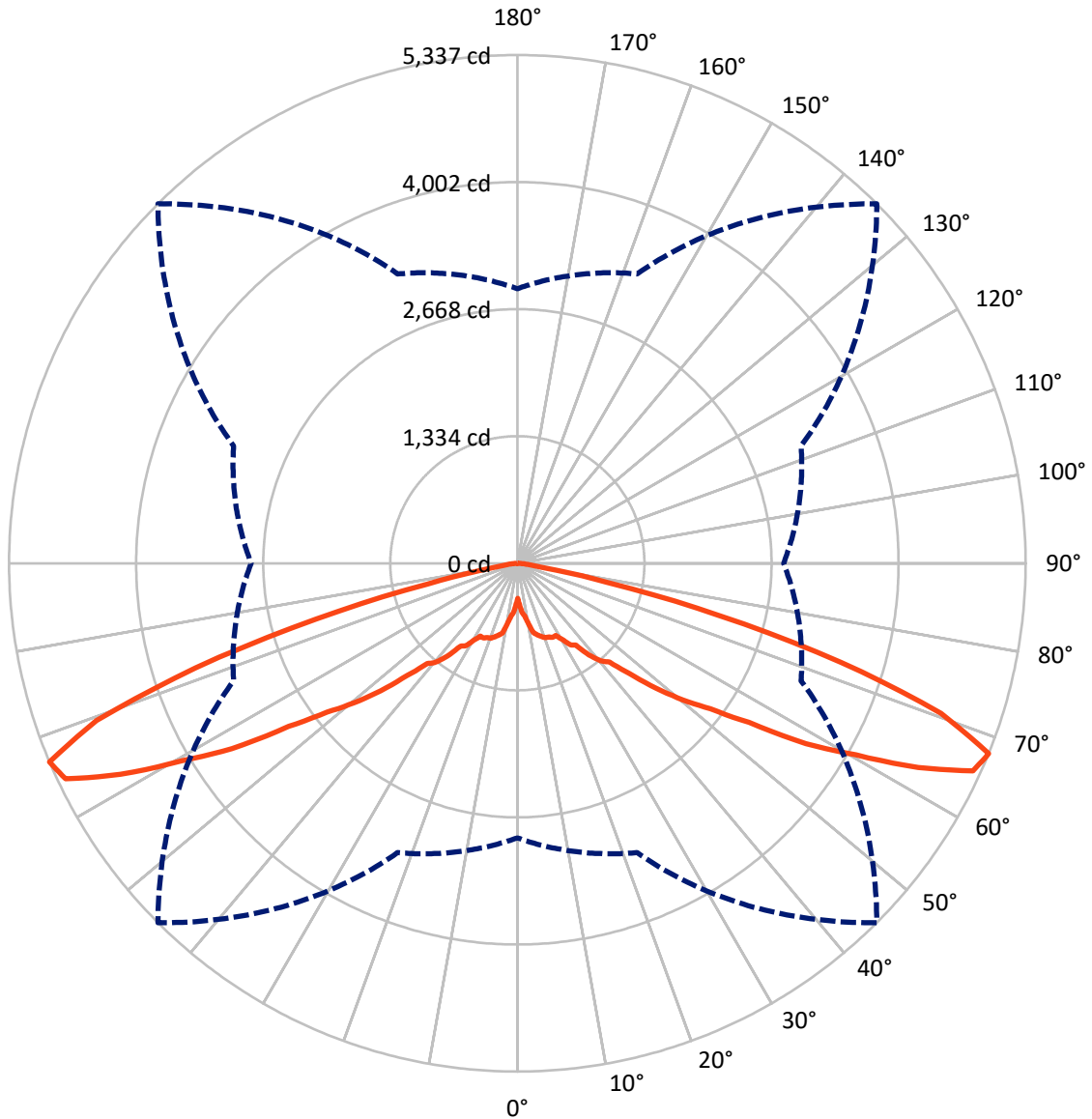
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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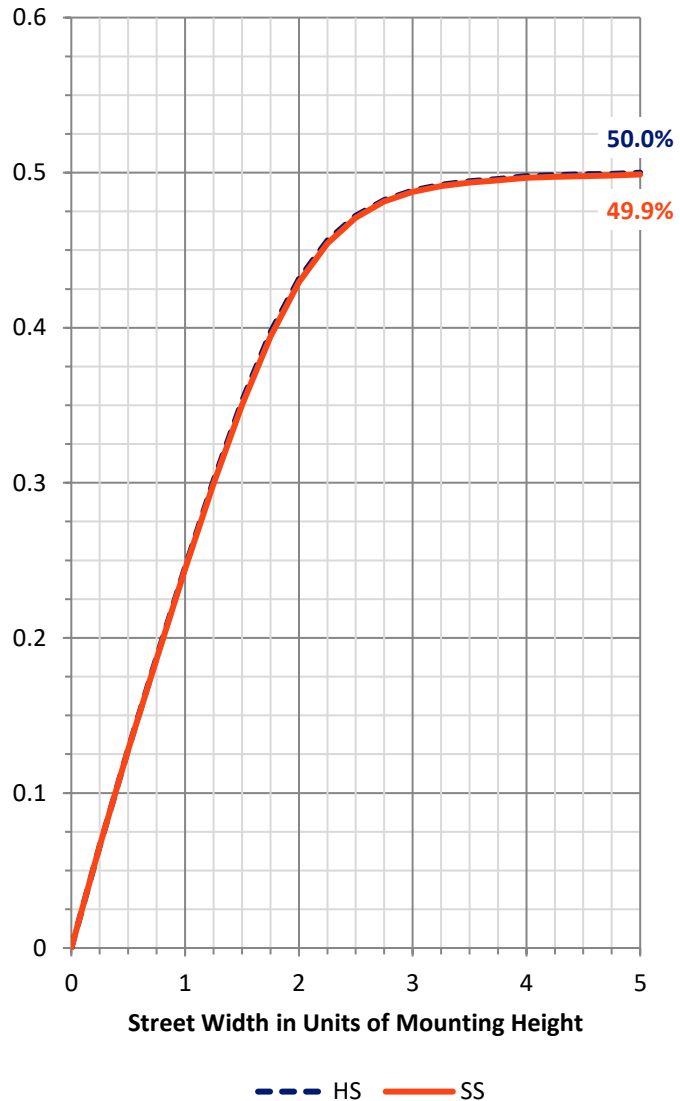
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5364.5 | 0.0 | 5364.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5364.5 | 0.0 | 5364.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 10729.0 | 0.0 | 10729.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 54.8 | 0.5 |
| 10°-20° | 216.8 | 2.0 |
| 20°-30° | 413.6 | 3.9 |
| 30°-40° | 756.2 | 7.0 |
| 40°-50° | 1466.2 | 13.7 |
| 50°-60° | 2800.0 | 26.1 |
| 60°-70° | 3783.1 | 35.3 |
| 70°-80° | 1174.9 | 11.0 |
| 80°-90° | 63.3 | 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° | 10729.0 | 100.0 |
| 0°-180° | 10729.0 | 100.0 |

Coefficient of Utilization



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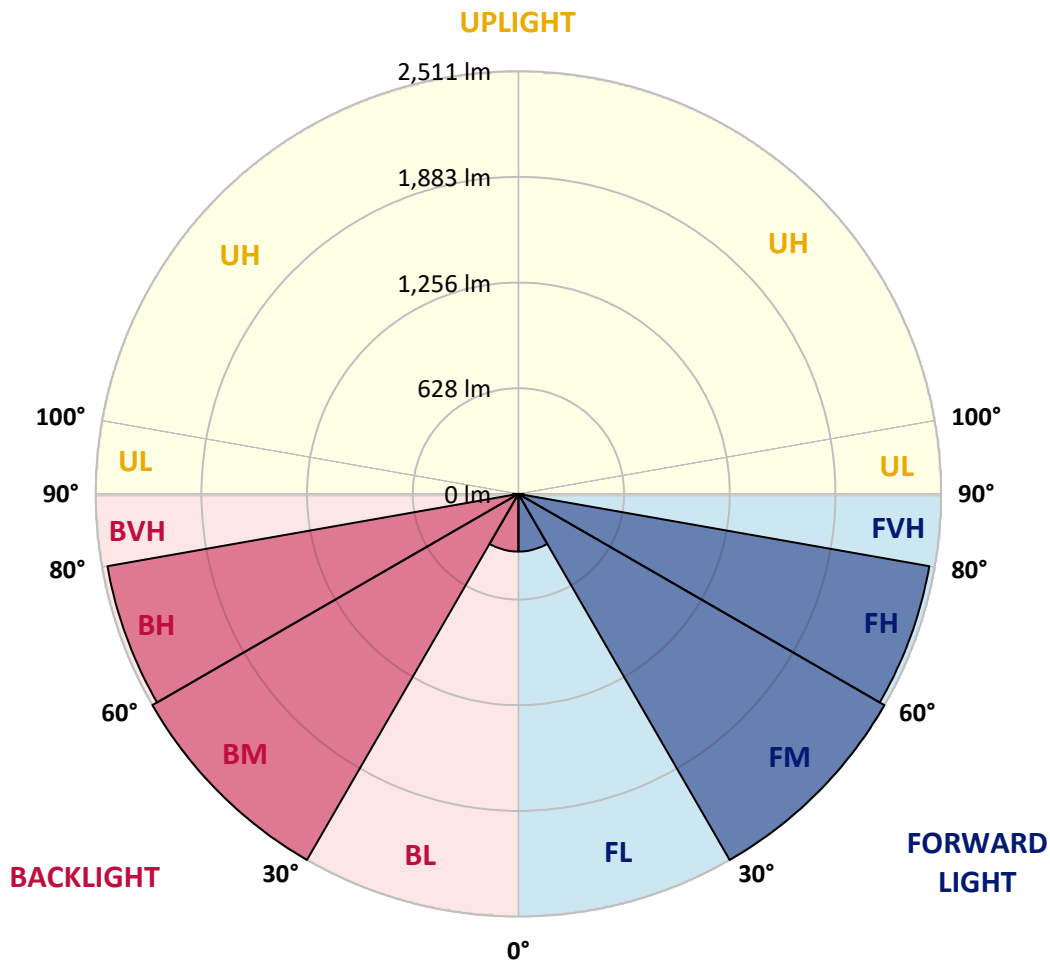
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 342.6 | 3.2 | | | |
| FM (30°-60°) | 2511.2 | 23.4 | | | |
| FH (60°-80°) | 2479.0 | 23.1 | | | G2/5000 |
| FVH (80°-90°) | 31.6 | 0.3 | | | G1/100 |
| BL (0°-30°) | 342.6 | 3.2 | B1/500 | | |
| BM (30°-60°) | 2511.2 | 23.4 | B3/5000 | | |
| BH (60°-80°) | 2479.0 | 23.1 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 31.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° |
|-------|--------|--------|--------|--------|--------|
| 0° | 367.7 | 367.7 | 367.7 | 367.7 | 367.7 |
| 2.5° | 452.6 | 423.6 | 436.9 | 423.6 | 452.6 |
| 5° | 575.3 | 545.1 | 518.5 | 537.6 | 577.0 |
| 7.5° | 661.1 | 615.9 | 560.0 | 611.0 | 657.4 |
| 10° | 675.6 | 650.3 | 647.9 | 647.4 | 674.0 |
| 12.5° | 729.9 | 712.9 | 746.9 | 714.6 | 731.6 |
| 15° | 772.2 | 762.7 | 778.0 | 774.7 | 773.9 |
| 17.5° | 837.7 | 773.0 | 807.8 | 769.3 | 835.6 |
| 20° | 866.7 | 775.1 | 833.5 | 770.5 | 866.3 |
| 22.5° | 902.4 | 824.0 | 841.4 | 826.1 | 899.0 |
| 25° | 922.7 | 855.5 | 861.7 | 856.3 | 923.1 |
| 27.5° | 1006.0 | 925.2 | 858.8 | 936.3 | 1021.3 |
| 30° | 1069.4 | 970.3 | 926.8 | 971.6 | 1077.3 |
| 32.5° | 1161.0 | 1037.9 | 1020.9 | 1054.5 | 1175.5 |
| 35° | 1274.6 | 1151.5 | 1056.1 | 1151.9 | 1298.6 |
| 37.5° | 1497.2 | 1254.7 | 1221.1 | 1291.1 | 1513.7 |
| 40° | 1654.2 | 1417.6 | 1345.9 | 1443.7 | 1681.2 |
| 42.5° | 1895.5 | 1600.4 | 1418.4 | 1613.6 | 1936.9 |
| 45° | 2120.1 | 1822.1 | 1649.7 | 1837.5 | 2150.4 |
| 47.5° | 2357.6 | 2025.6 | 1961.0 | 2044.7 | 2380.0 |
| 50° | 2638.3 | 2301.3 | 2256.1 | 2322.8 | 2647.8 |
| 52.5° | 2969.4 | 2670.2 | 2536.7 | 2682.6 | 2972.8 |
| 55° | 3362.8 | 2979.8 | 2950.0 | 3013.8 | 3367.8 |
| 57.5° | 3747.4 | 3381.0 | 3572.5 | 3384.8 | 3680.7 |
| 60° | 4021.8 | 3750.8 | 4084.4 | 3655.4 | 3873.9 |
| 62.5° | 4039.2 | 4024.7 | 4721.9 | 3863.1 | 3832.4 |
| 65° | 3662.9 | 3914.1 | 5255.8 | 3787.6 | 3478.8 |
| 67.5° | 2883.2 | 3288.2 | 5336.6 | 3224.4 | 2794.9 |
| 70° | 1811.8 | 2276.8 | 4717.8 | 2364.3 | 1863.2 |
| 72.5° | 835.6 | 1226.9 | 3552.6 | 1381.1 | 883.3 |
| 75° | 299.3 | 469.6 | 2191.8 | 504.4 | 312.9 |
| 77.5° | 169.9 | 190.3 | 968.7 | 191.1 | 175.7 |
| 80° | 109.4 | 118.5 | 279.8 | 125.2 | 106.5 |
| 82.5° | 62.2 | 82.9 | 122.7 | 87.9 | 57.2 |
| 85° | 33.6 | 52.6 | 54.3 | 53.9 | 33.6 |
| 87.5° | 12.0 | 20.7 | 12.0 | 23.6 | 11.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)