

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: P367677

Luminaire Tested: **PMM-SA3A-730-U-5MQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367677
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-SA3A-730-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: 11506 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

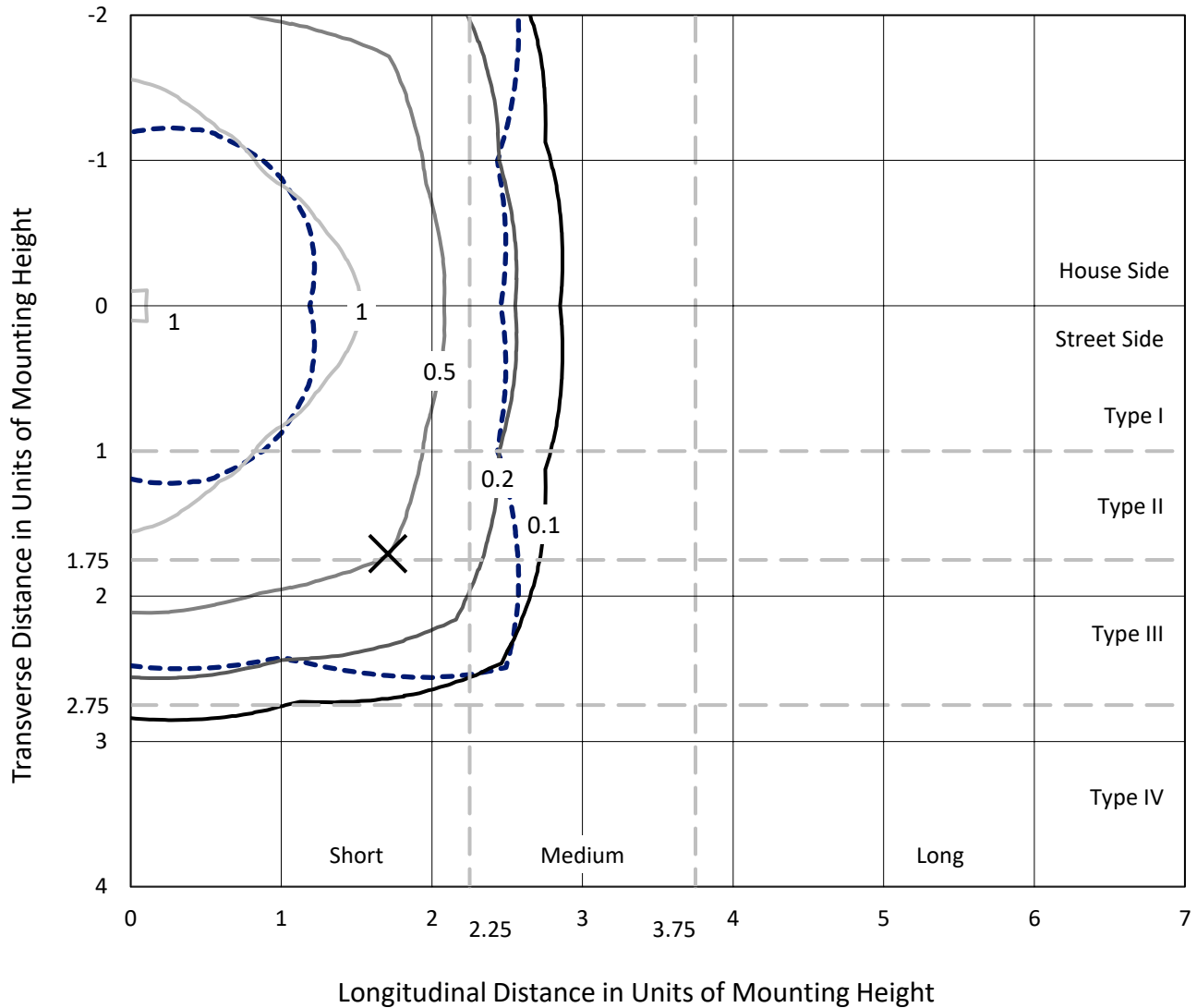
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

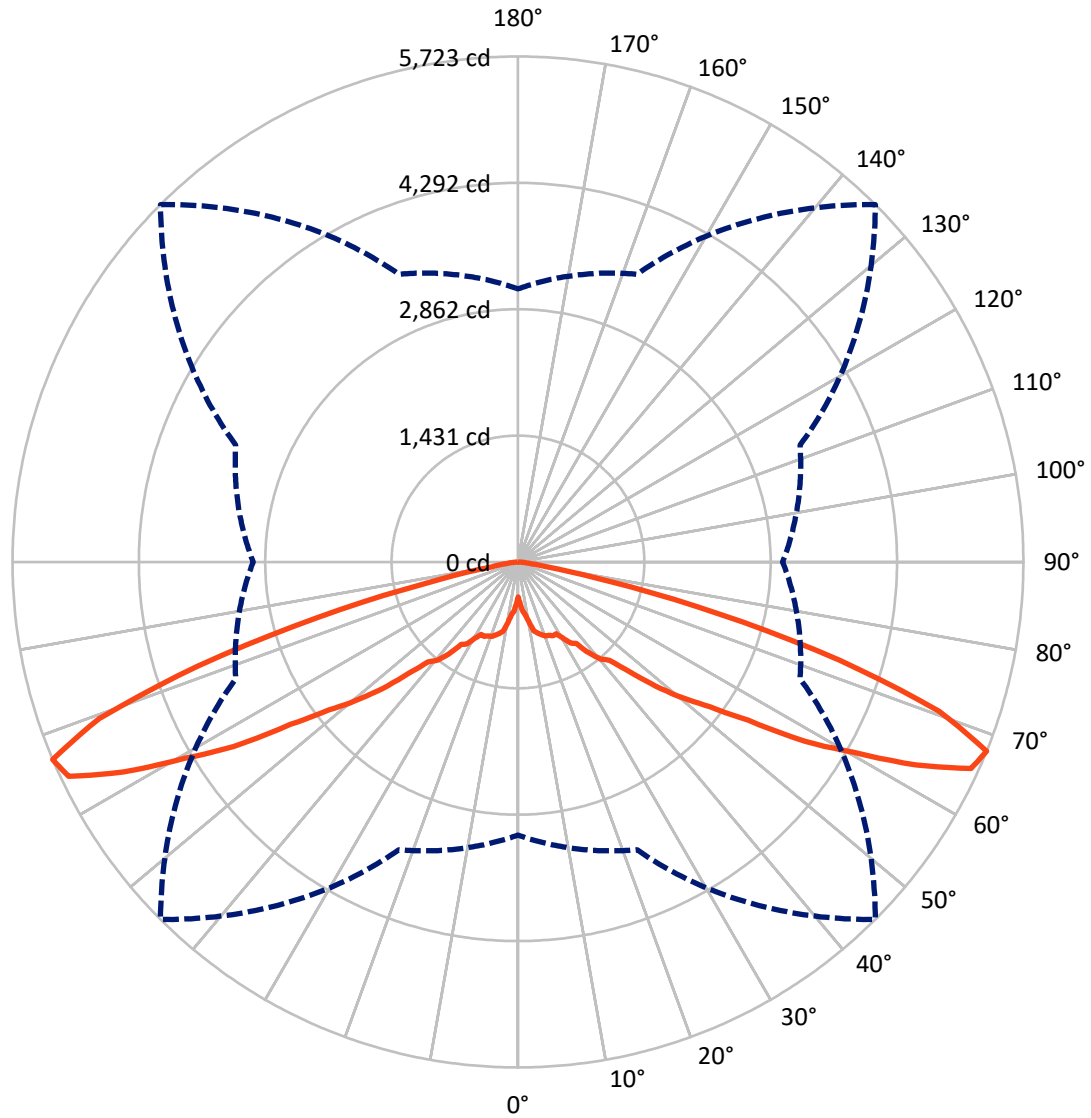
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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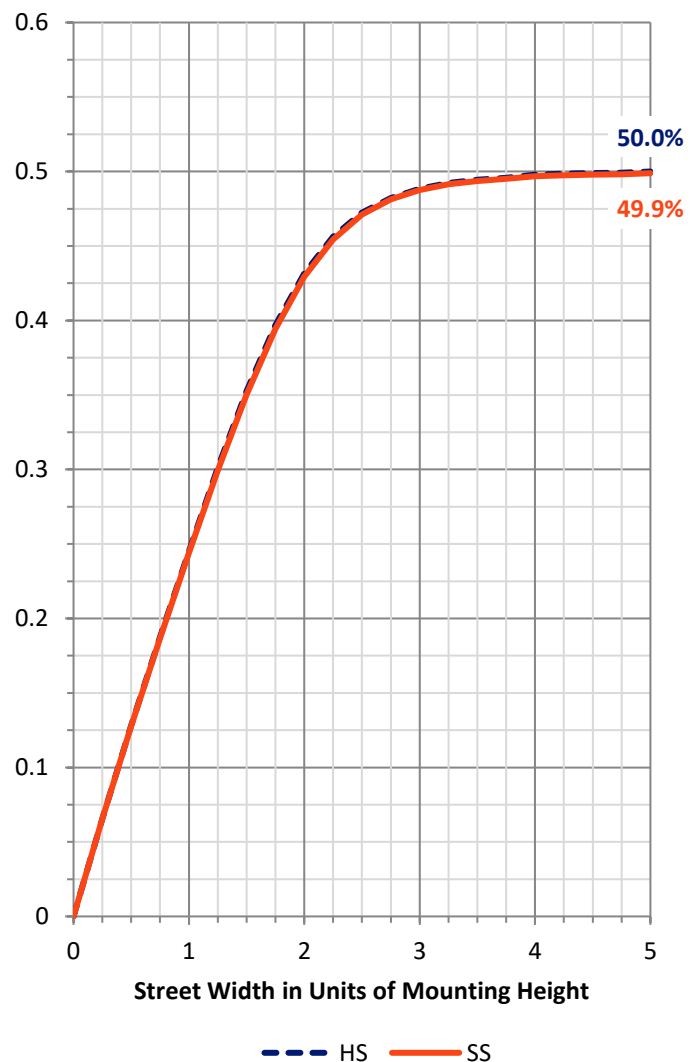
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5753.0 | 0.0 | 5753.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5753.0 | 0.0 | 5753.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11506.0 | 0.0 | 11506.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 58.8 | 0.5 |
| 10°-20° | 232.5 | 2.0 |
| 20°-30° | 443.6 | 3.9 |
| 30°-40° | 811.0 | 7.0 |
| 40°-50° | 1572.4 | 13.7 |
| 50°-60° | 3002.8 | 26.1 |
| 60°-70° | 4057.1 | 35.3 |
| 70°-80° | 1260.0 | 11.0 |
| 80°-90° | 67.9 | 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° | 11506.0 | 100.0 |
| 0°-180° | 11506.0 | 100.0 |



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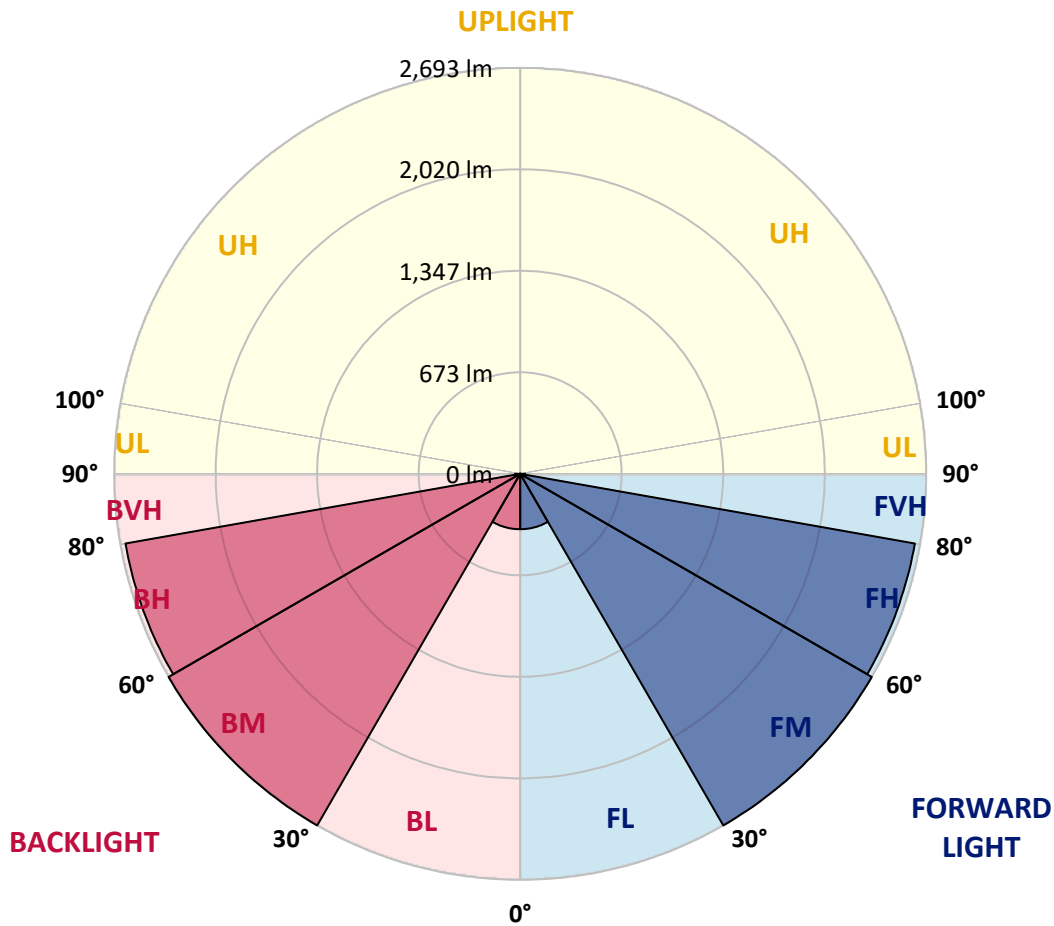
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 367.4 | 3.2 | | | |
| FM (30°-60°) | 2693.1 | 23.4 | | | |
| FH (60°-80°) | 2658.5 | 23.1 | | | G2/5000 |
| FVH (80°-90°) | 33.9 | 0.3 | | | G1/100 |
| BL (0°-30°) | 367.4 | 3.2 | B1/500 | | |
| BM (30°-60°) | 2693.1 | 23.4 | B3/5000 | | |
| BH (60°-80°) | 2658.5 | 23.1 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 33.9 | 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° | 394.3 | 394.3 | 394.3 | 394.3 | 394.3 |
| 2.5° | 485.4 | 454.3 | 468.5 | 454.3 | 485.4 |
| 5° | 617.0 | 584.5 | 556.1 | 576.5 | 618.8 |
| 7.5° | 709.0 | 660.5 | 600.5 | 655.2 | 705.0 |
| 10° | 724.6 | 697.4 | 694.8 | 694.3 | 722.8 |
| 12.5° | 782.8 | 764.6 | 801.0 | 766.3 | 784.6 |
| 15° | 828.1 | 817.9 | 834.3 | 830.8 | 829.9 |
| 17.5° | 898.4 | 829.0 | 866.4 | 825.0 | 896.1 |
| 20° | 929.5 | 831.2 | 893.9 | 826.3 | 929.0 |
| 22.5° | 967.7 | 883.7 | 902.4 | 885.9 | 964.1 |
| 25° | 989.5 | 917.5 | 924.1 | 918.4 | 989.9 |
| 27.5° | 1078.8 | 992.2 | 921.0 | 1004.2 | 1095.3 |
| 30° | 1146.8 | 1040.6 | 993.9 | 1041.9 | 1155.3 |
| 32.5° | 1245.1 | 1113.1 | 1094.8 | 1130.8 | 1260.6 |
| 35° | 1366.9 | 1234.9 | 1132.6 | 1235.3 | 1392.7 |
| 37.5° | 1605.6 | 1345.5 | 1309.5 | 1384.7 | 1623.4 |
| 40° | 1774.0 | 1520.2 | 1443.3 | 1548.2 | 1802.9 |
| 42.5° | 2032.8 | 1716.3 | 1521.1 | 1730.5 | 2077.2 |
| 45° | 2273.7 | 1954.1 | 1769.2 | 1970.5 | 2306.1 |
| 47.5° | 2528.4 | 2172.3 | 2103.0 | 2192.8 | 2552.4 |
| 50° | 2829.3 | 2467.9 | 2419.5 | 2491.0 | 2839.5 |
| 52.5° | 3184.5 | 2863.5 | 2720.4 | 2876.9 | 3188.0 |
| 55° | 3606.3 | 3195.6 | 3163.6 | 3232.0 | 3611.7 |
| 57.5° | 4018.8 | 3625.9 | 3831.2 | 3629.9 | 3947.3 |
| 60° | 4313.1 | 4022.4 | 4380.2 | 3920.2 | 4154.4 |
| 62.5° | 4331.8 | 4316.2 | 5063.9 | 4142.9 | 4110.0 |
| 65° | 3928.2 | 4197.5 | 5636.4 | 4062.0 | 3730.8 |
| 67.5° | 3092.0 | 3526.3 | 5723.1 | 3457.9 | 2997.3 |
| 70° | 1943.0 | 2441.7 | 5059.4 | 2535.5 | 1998.1 |
| 72.5° | 896.1 | 1315.8 | 3809.9 | 1481.1 | 947.3 |
| 75° | 320.9 | 503.6 | 2350.6 | 541.0 | 335.6 |
| 77.5° | 182.2 | 204.0 | 1038.8 | 204.9 | 188.5 |
| 80° | 117.4 | 127.1 | 300.0 | 134.2 | 114.2 |
| 82.5° | 66.7 | 88.9 | 131.6 | 94.2 | 61.3 |
| 85° | 36.0 | 56.5 | 58.2 | 57.8 | 36.0 |
| 87.5° | 12.9 | 22.2 | 12.9 | 25.3 | 12.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)