

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: P367721

Luminaire Tested: **PMM-SA3A-750-U-5MQ**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P367721  
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-750-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: 12634 lumens  
Efficiency: N/A  
Efficacy: 131.6 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

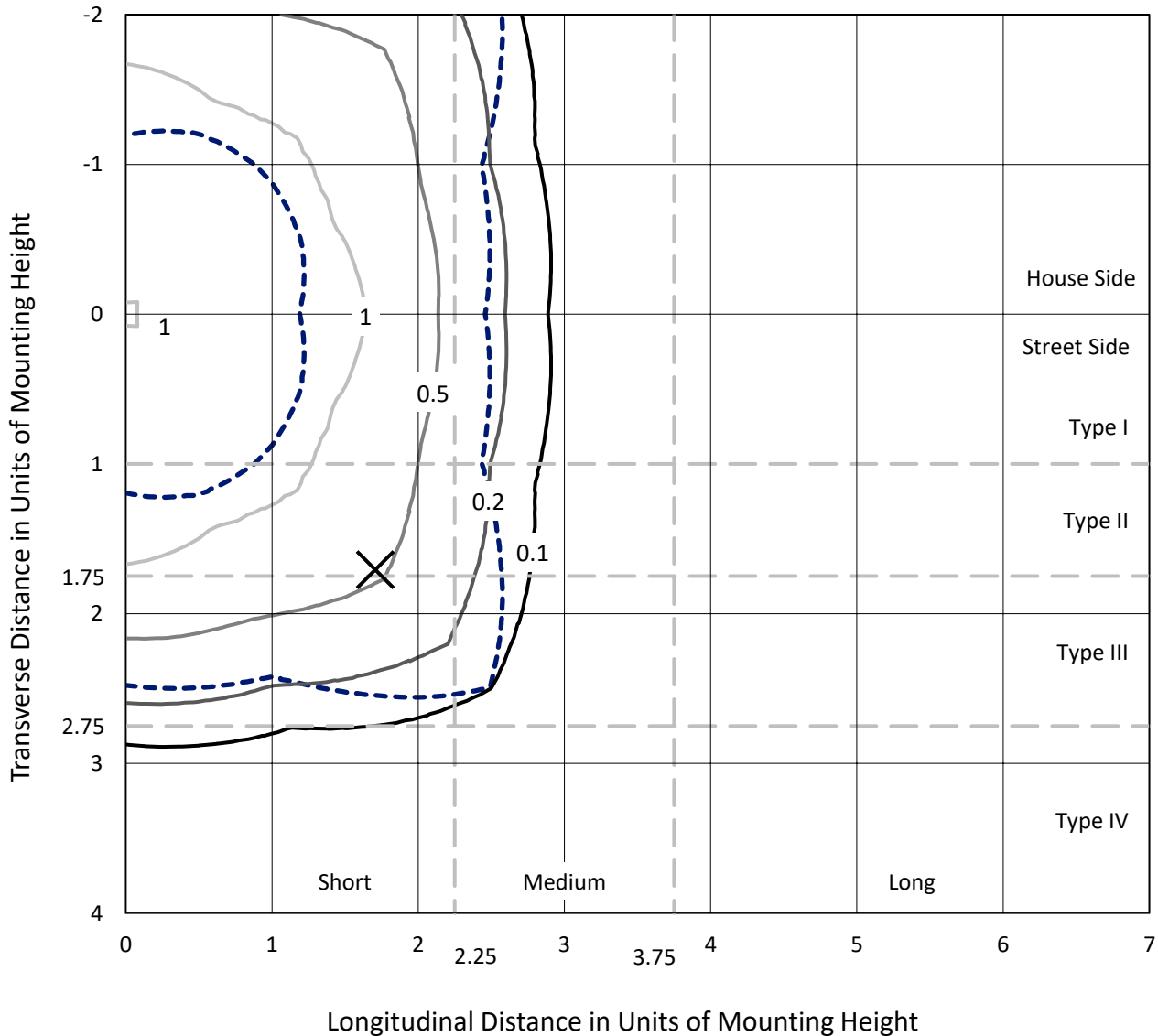


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### Iso-Footcandle Lines of Horizontal Illumination

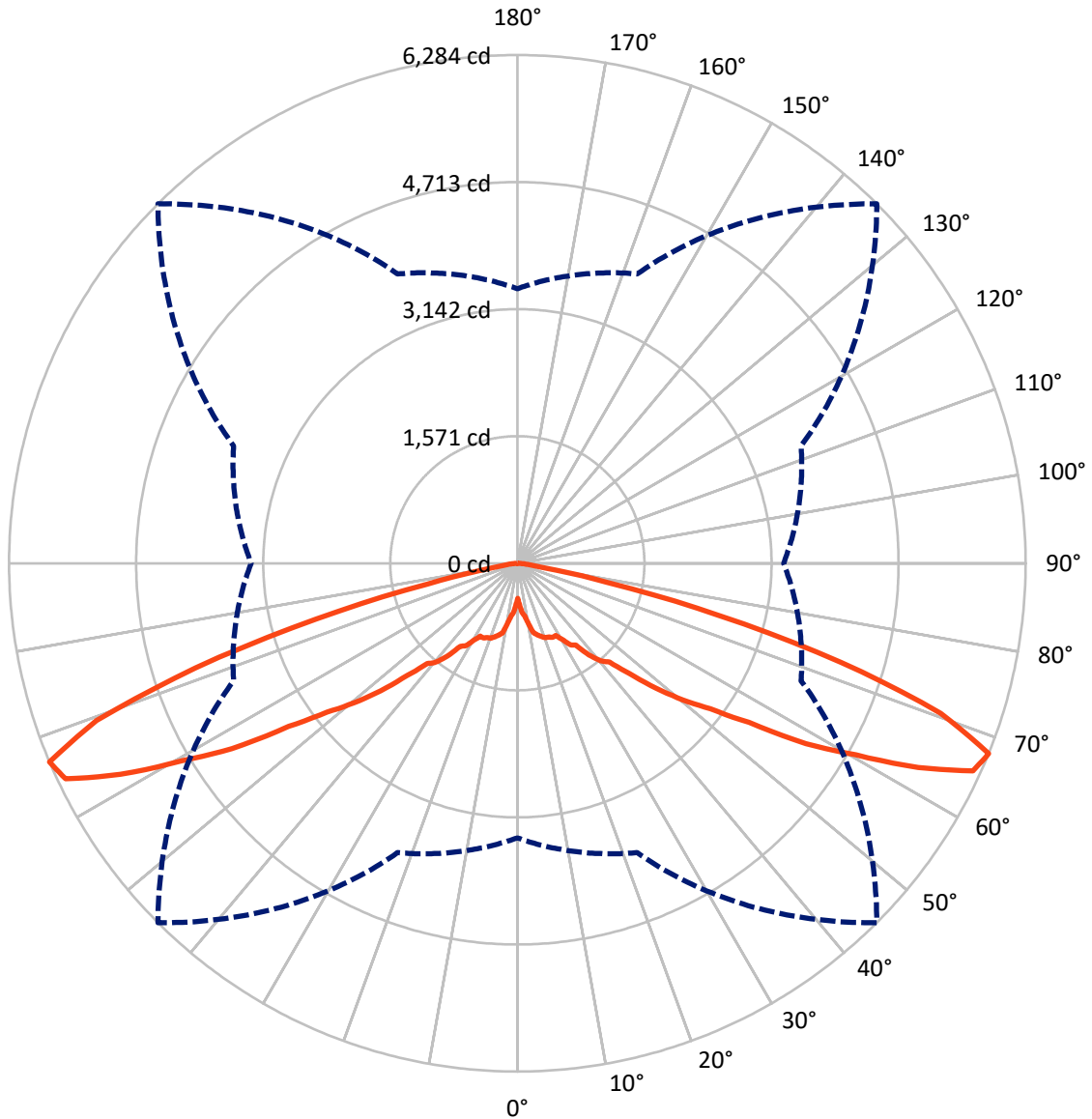
✕ Max cd  
 - - - 1/2 Max cd



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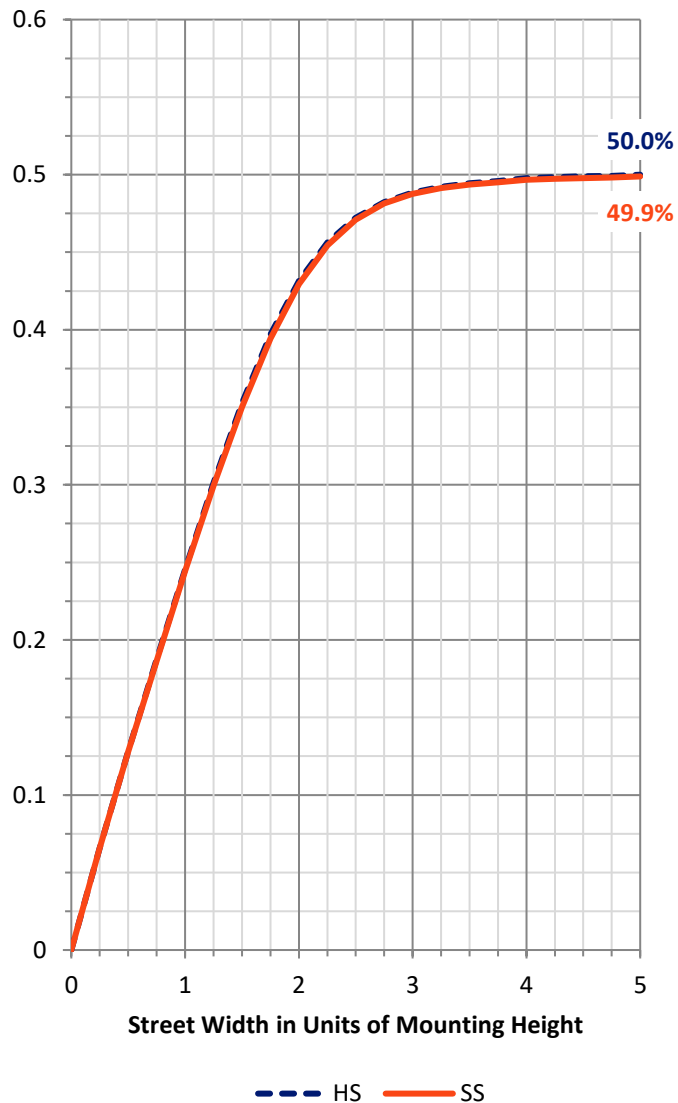
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6317.0   | 0.0    | 6317.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 6317.0   | 0.0    | 6317.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 12634.0  | 0.0    | 12634.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 64.6    | 0.5       |
| 10°-20°   | 255.3   | 2.0       |
| 20°-30°   | 487.0   | 3.9       |
| 30°-40°   | 890.5   | 7.0       |
| 40°-50°   | 1726.6  | 13.7      |
| 50°-60°   | 3297.2  | 26.1      |
| 60°-70°   | 4454.8  | 35.3      |
| 70°-80°   | 1383.5  | 11.0      |
| 80°-90°   | 74.5    | 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°    | 12634.0 | 100.0     |
| 0°-180°   | 12634.0 | 100.0     |

**Coefficient of Utilization**



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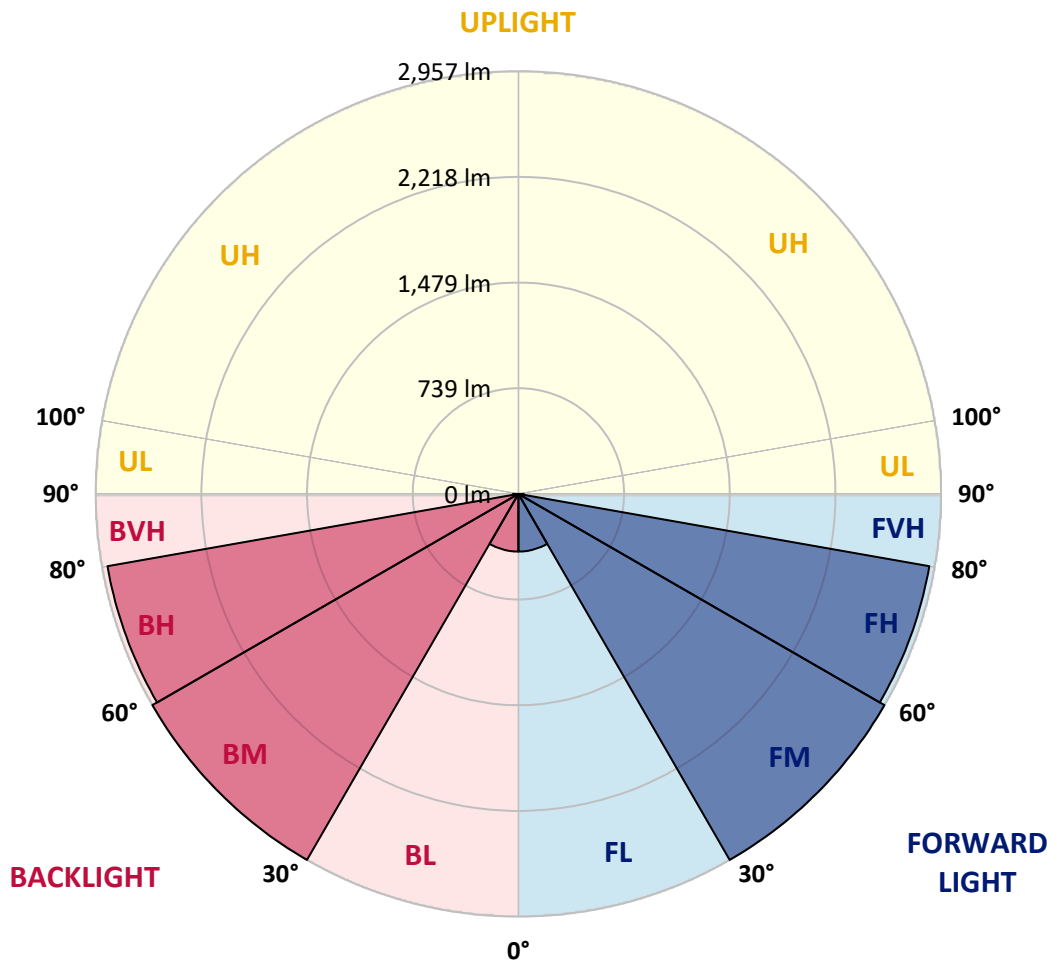
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 403.4  | 3.2       |                         |      |         |
| FM (30°-60°)   | 2957.1 | 23.4      |                         |      |         |
| FH (60°-80°)   | 2919.2 | 23.1      |                         |      | G2/5000 |
| FVH (80°-90°)  | 37.3   | 0.3       |                         |      | G1/100  |
| BL (0°-30°)    | 403.4  | 3.2       | B1/500                  |      |         |
| BM (30°-60°)   | 2957.1 | 23.4      | B3/5000                 |      |         |
| BH (60°-80°)   | 2919.2 | 23.1      | B4/5000                 |      | G2/5000 |
| BVH (80°-90°)  | 37.3   | 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°    | 432.9  | 432.9  | 432.9  | 432.9  | 432.9  |
| 2.5°  | 533.0  | 498.8  | 514.4  | 498.8  | 533.0  |
| 5°    | 677.5  | 641.8  | 610.6  | 633.1  | 679.4  |
| 7.5°  | 778.5  | 725.3  | 659.4  | 719.4  | 774.1  |
| 10°   | 795.6  | 765.8  | 762.9  | 762.4  | 793.6  |
| 12.5° | 859.5  | 839.5  | 879.5  | 841.5  | 861.5  |
| 15°   | 909.3  | 898.1  | 916.1  | 912.2  | 911.3  |
| 17.5° | 986.4  | 910.3  | 951.3  | 905.9  | 984.0  |
| 20°   | 1020.6 | 912.7  | 981.5  | 907.4  | 1020.1 |
| 22.5° | 1062.6 | 970.3  | 990.8  | 972.8  | 1058.7 |
| 25°   | 1086.5 | 1007.4 | 1014.7 | 1008.4 | 1087.0 |
| 27.5° | 1184.6 | 1089.4 | 1011.3 | 1102.6 | 1202.7 |
| 30°   | 1259.3 | 1142.6 | 1091.4 | 1144.1 | 1268.5 |
| 32.5° | 1367.1 | 1222.2 | 1202.2 | 1241.7 | 1384.2 |
| 35°   | 1500.9 | 1355.9 | 1243.7 | 1356.4 | 1529.2 |
| 37.5° | 1763.0 | 1477.4 | 1437.9 | 1520.4 | 1782.5 |
| 40°   | 1948.0 | 1669.3 | 1584.8 | 1700.0 | 1979.7 |
| 42.5° | 2232.0 | 1884.5 | 1670.2 | 1900.1 | 2280.8 |
| 45°   | 2496.6 | 2145.6 | 1942.6 | 2163.7 | 2532.2 |
| 47.5° | 2776.3 | 2385.3 | 2309.2 | 2407.7 | 2802.6 |
| 50°   | 3106.7 | 2709.9 | 2656.7 | 2735.3 | 3117.9 |
| 52.5° | 3496.7 | 3144.3 | 2987.1 | 3158.9 | 3500.6 |
| 55°   | 3959.9 | 3508.9 | 3473.7 | 3548.9 | 3965.7 |
| 57.5° | 4412.8 | 3981.4 | 4206.8 | 3985.7 | 4334.2 |
| 60°   | 4735.9 | 4416.7 | 4809.6 | 4304.5 | 4561.7 |
| 62.5° | 4756.4 | 4739.4 | 5560.3 | 4549.0 | 4512.9 |
| 65°   | 4313.3 | 4609.0 | 6189.0 | 4460.2 | 4096.5 |
| 67.5° | 3395.2 | 3872.0 | 6284.2 | 3796.9 | 3291.2 |
| 70°   | 2133.4 | 2681.1 | 5555.4 | 2784.1 | 2194.0 |
| 72.5° | 984.0  | 1444.7 | 4183.4 | 1626.3 | 1040.1 |
| 75°   | 352.4  | 553.0  | 2581.0 | 594.0  | 368.5  |
| 77.5° | 200.1  | 224.0  | 1140.7 | 225.0  | 207.0  |
| 80°   | 128.9  | 139.6  | 329.5  | 147.4  | 125.4  |
| 82.5° | 73.2   | 97.6   | 144.5  | 103.5  | 67.4   |
| 85°   | 39.5   | 62.0   | 63.9   | 63.5   | 39.5   |
| 87.5° | 14.2   | 24.4   | 14.2   | 27.8   | 13.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)