

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: P368183

Luminaire Tested: **PMM-SA4A-727-U-5MQ**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368183  
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-SA4A-727-U-5MQ  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13965 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

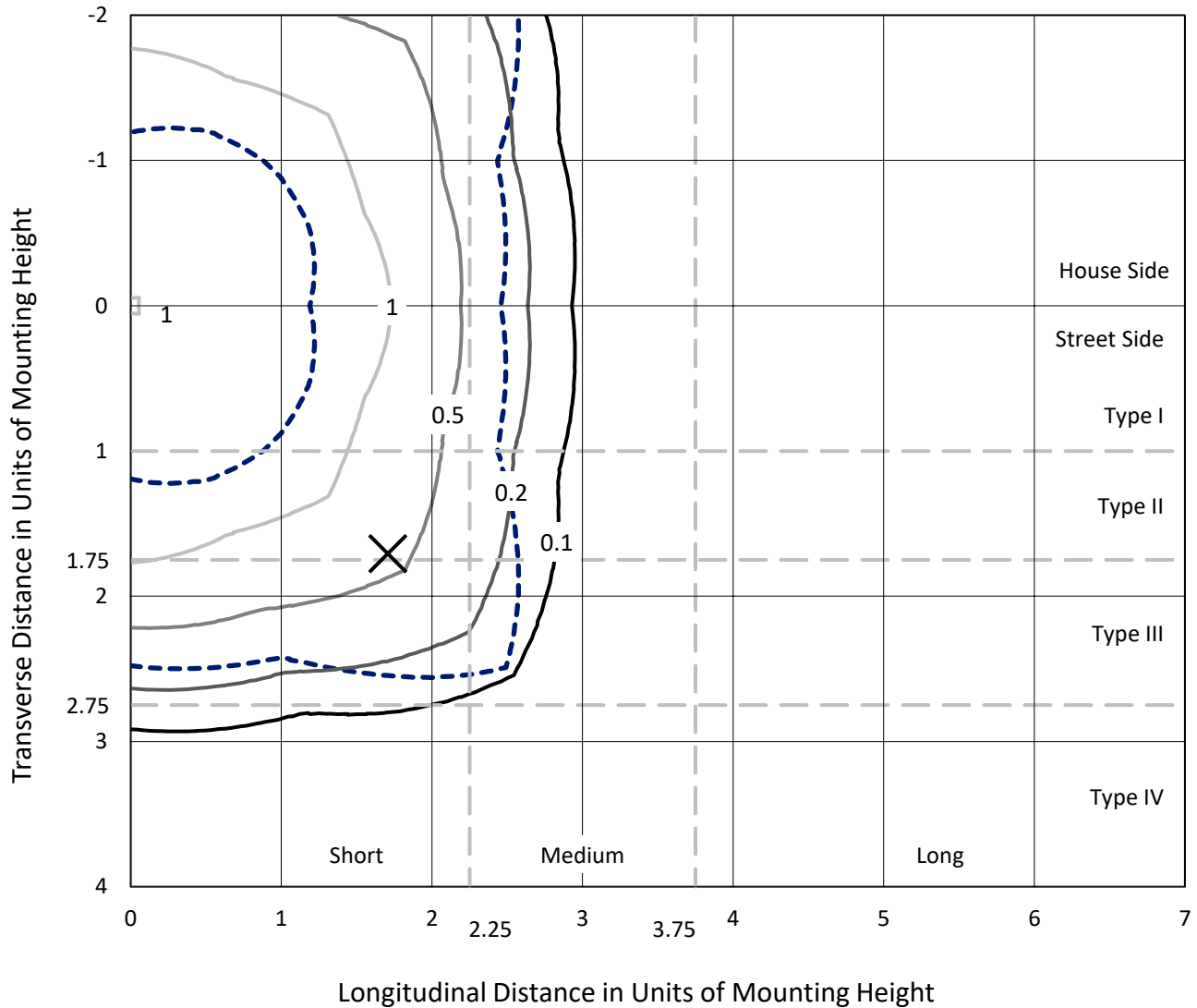
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

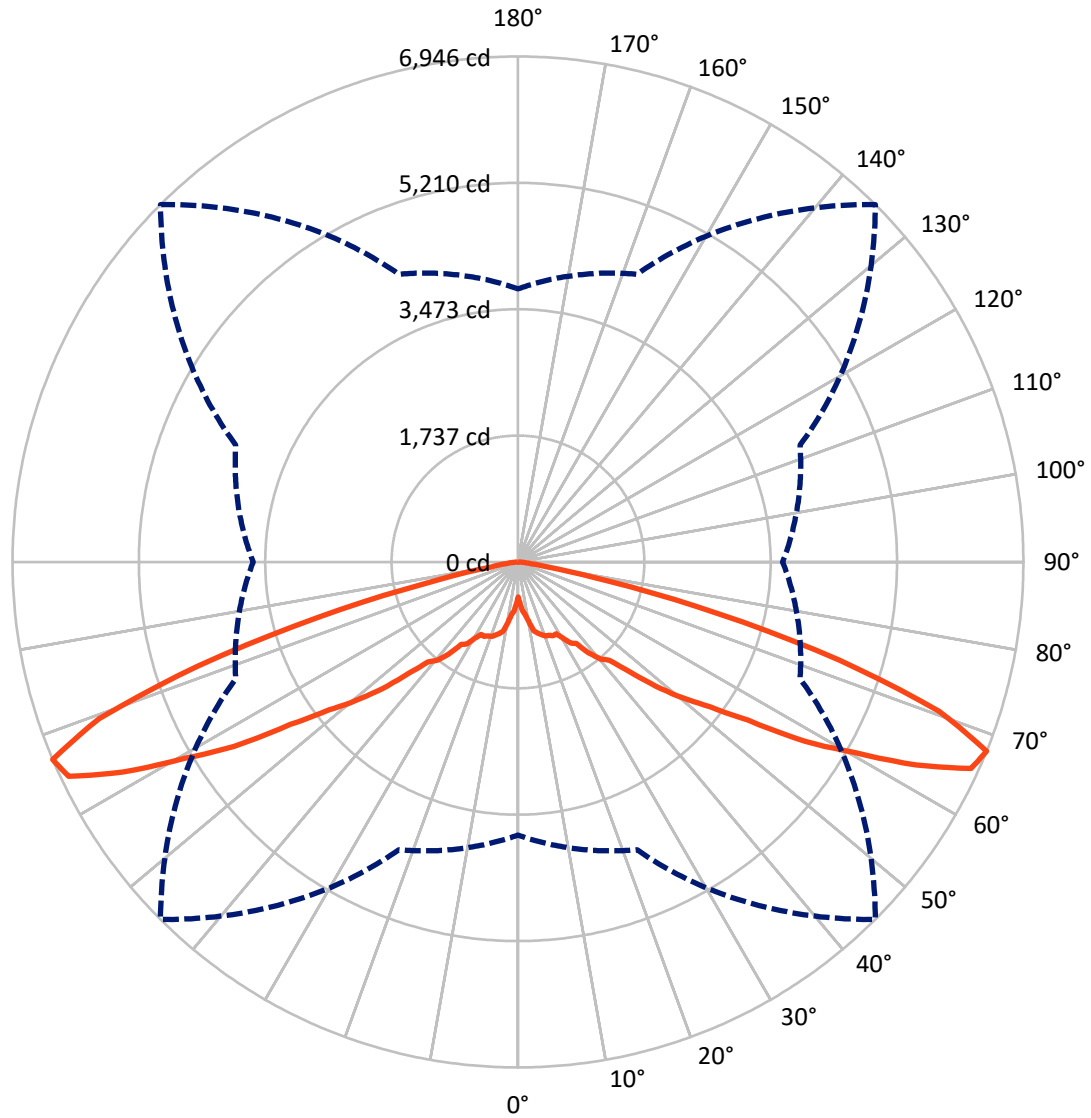
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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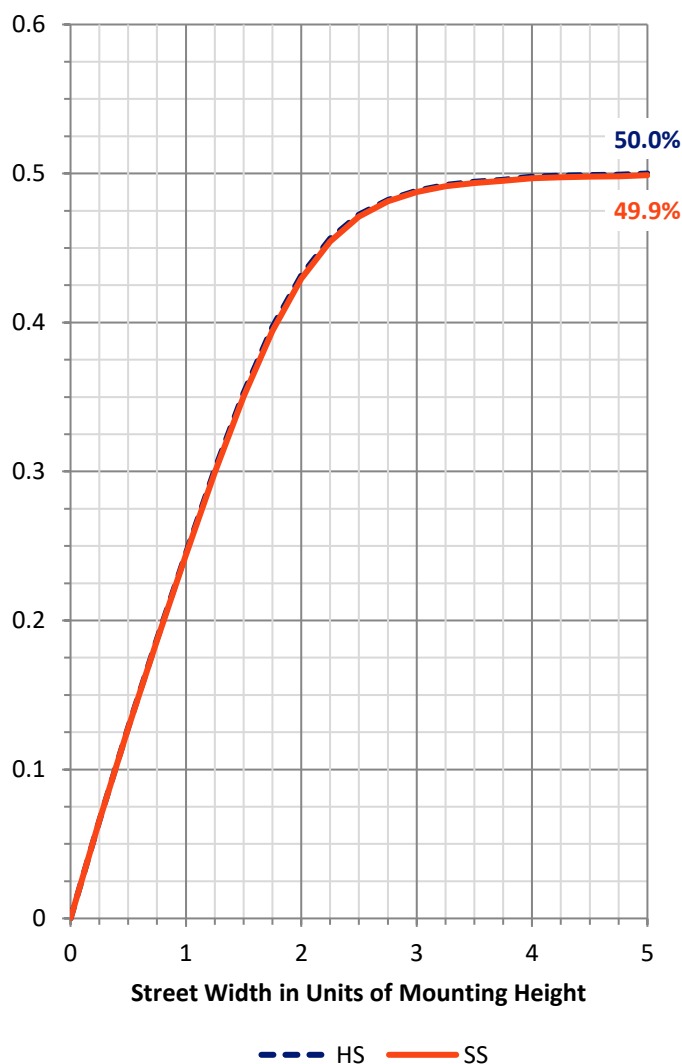
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6982.5	0.0	6982.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6982.5	0.0	6982.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13965.0	0.0	13965.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	0.5
10°-20°	282.2	2.0
20°-30°	538.4	3.9
30°-40°	984.3	7.0
40°-50°	1908.5	13.7
50°-60°	3644.5	26.1
60°-70°	4924.1	35.3
70°-80°	1529.3	11.0
80°-90°	82.4	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°	13965.0	100.0
0°-180°	13965.0	100.0

**Coefficient of Utilization**



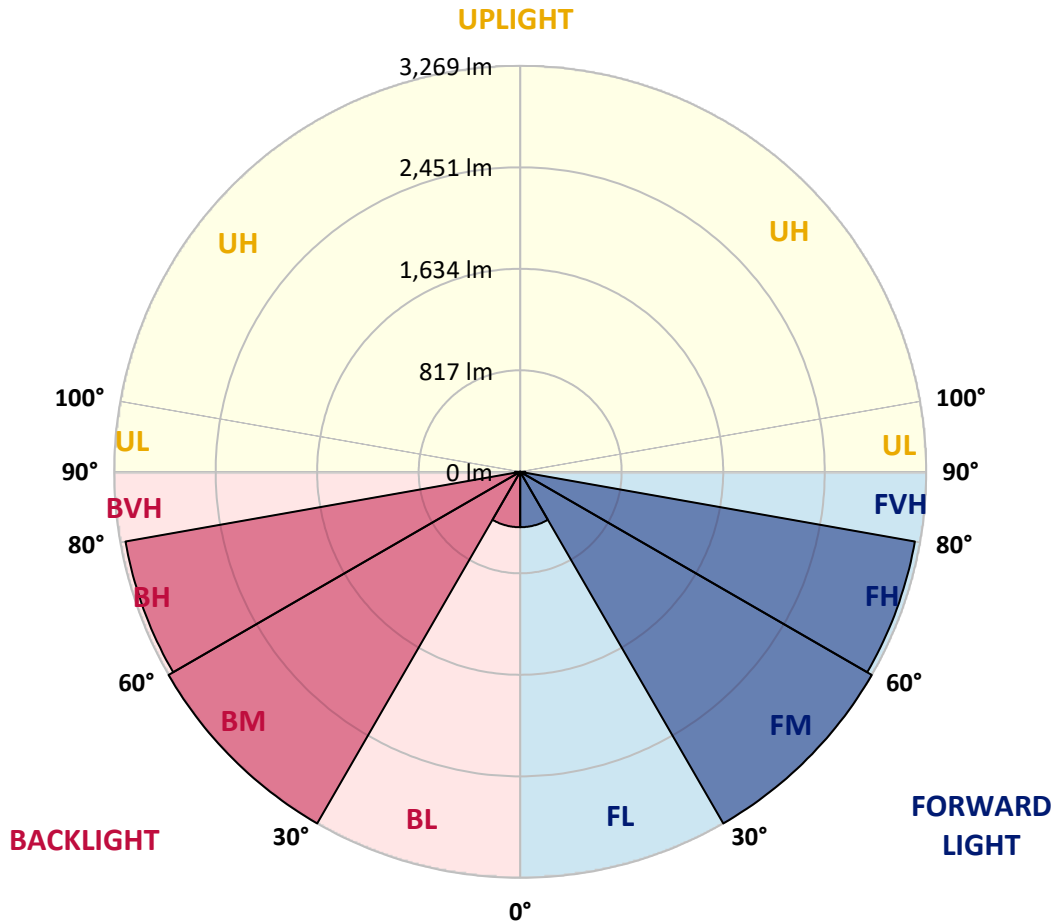
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.9	3.2			
FM (30°-60°)	3268.6	23.4			
FH (60°-80°)	3226.7	23.1			G2/5000
FVH (80°-90°)	41.2	0.3			G1/100
BL (0°-30°)	445.9	3.2	B1/500		
BM (30°-60°)	3268.6	23.4	B3/5000		
BH (60°-80°)	3226.7	23.1	B4/5000		G2/5000
BVH (80°-90°)	41.2	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°	478.5	478.5	478.5	478.5	478.5
2.5°	589.1	551.4	568.6	551.4	589.1
5°	748.8	709.5	674.9	699.7	751.0
7.5°	860.5	801.7	728.9	795.2	855.7
10°	879.4	846.5	843.3	842.7	877.2
12.5°	950.1	928.0	972.2	930.1	952.2
15°	1005.1	992.7	1012.7	1008.3	1007.3
17.5°	1090.4	1006.2	1051.5	1001.3	1087.7
20°	1128.1	1008.9	1085.0	1003.0	1127.6
22.5°	1174.5	1072.5	1095.2	1075.2	1170.2
25°	1201.0	1113.6	1121.6	1114.6	1201.5
27.5°	1309.4	1204.2	1117.9	1218.8	1329.4
30°	1391.9	1263.0	1206.3	1264.6	1402.2
32.5°	1511.2	1350.9	1328.8	1372.5	1530.1
35°	1659.0	1498.8	1374.7	1499.3	1690.3
37.5°	1948.7	1633.1	1589.4	1680.6	1970.3
40°	2153.2	1845.1	1751.8	1879.1	2188.3
42.5°	2467.2	2083.1	1846.2	2100.3	2521.1
45°	2759.6	2371.7	2147.3	2391.7	2799.0
47.5°	3068.7	2636.6	2552.4	2661.4	3097.9
50°	3434.0	2995.4	2936.6	3023.4	3446.4
52.5°	3865.1	3475.5	3301.8	3491.7	3869.4
55°	4377.1	3878.5	3839.7	3922.8	4383.5
57.5°	4877.7	4400.8	4650.0	4405.6	4790.9
60°	5234.9	4882.0	5316.3	4757.9	5042.3
62.5°	5257.5	5238.6	6146.1	5028.2	4988.3
65°	4767.7	5094.6	6841.0	4930.0	4528.1
67.5°	3752.8	4279.9	6946.2	4196.9	3637.9
70°	2358.2	2963.5	6140.7	3077.4	2425.1
72.5°	1087.7	1597.0	4624.1	1797.6	1149.7
75°	389.5	611.3	2852.9	656.6	407.3
77.5°	221.2	247.6	1260.8	248.7	228.8
80°	142.4	154.3	364.2	162.9	138.7
82.5°	80.9	107.9	159.7	114.4	74.5
85°	43.7	68.5	70.7	70.1	43.7
87.5°	15.6	27.0	15.6	30.8	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)