

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: P367501

Luminaire Tested: **PMM-SA2C-830-U-5MQ**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P367501
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-SA2C-830-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: 10558 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

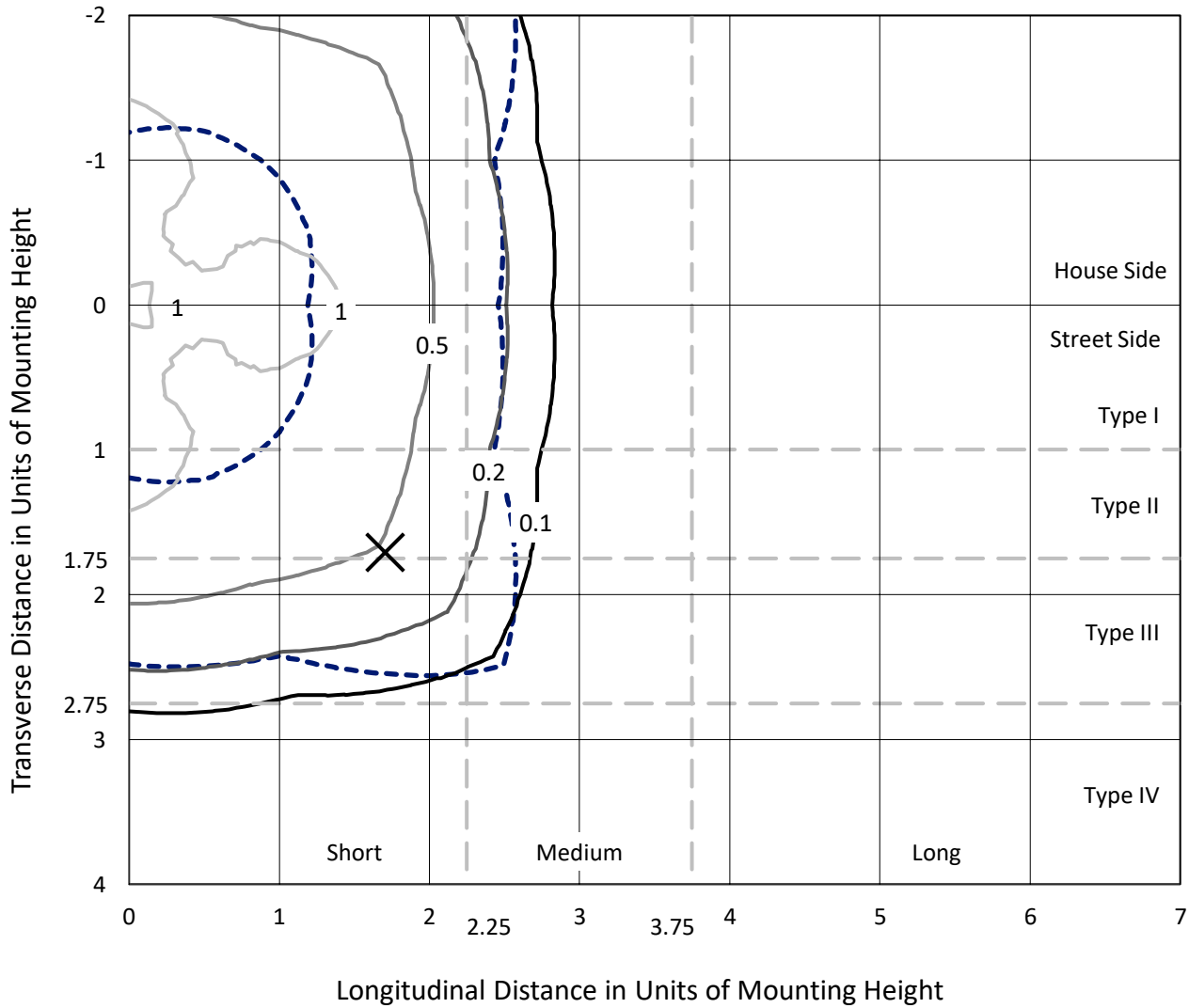
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

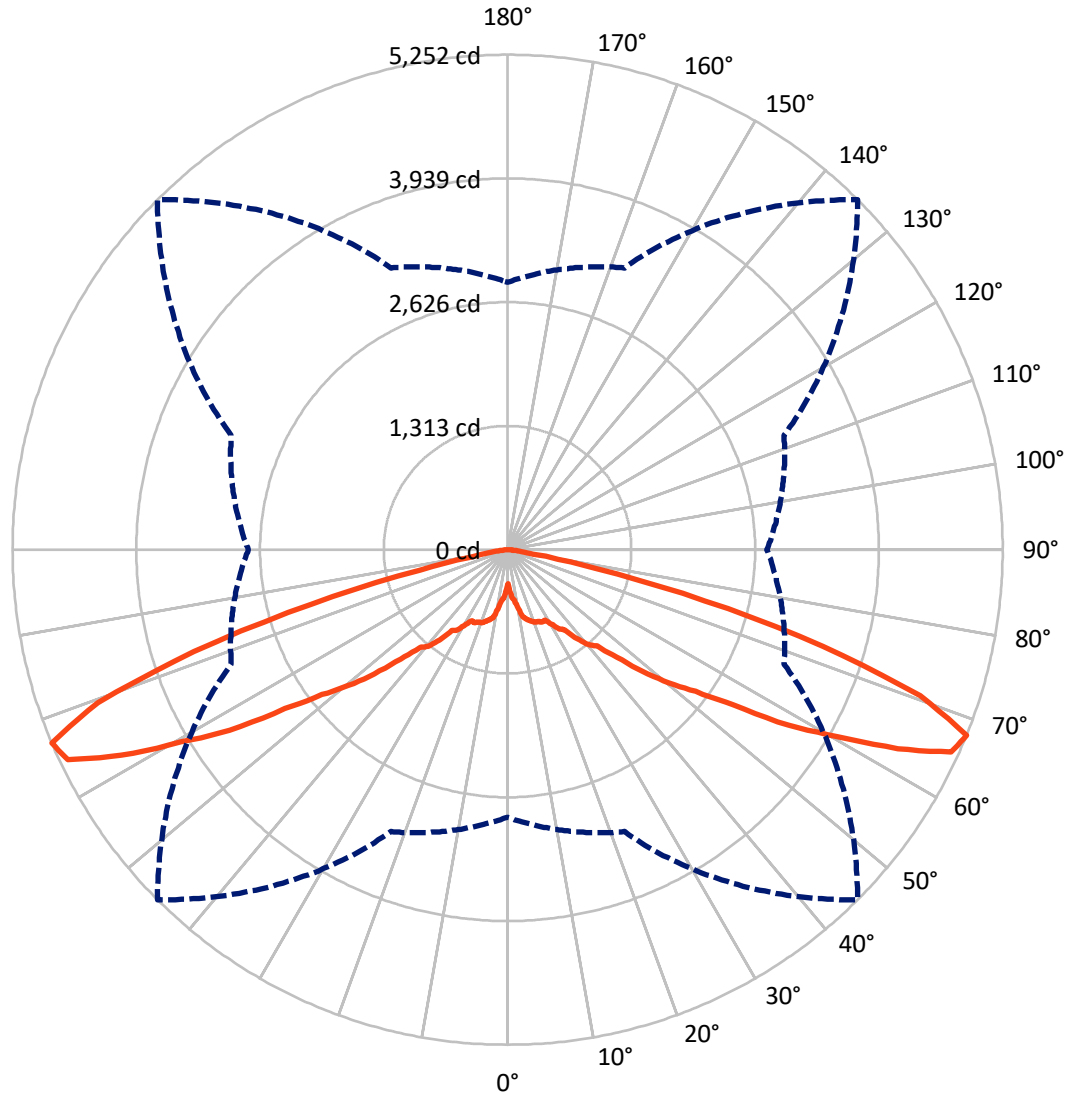
× Max cd
 - - - 1/2 Max cd



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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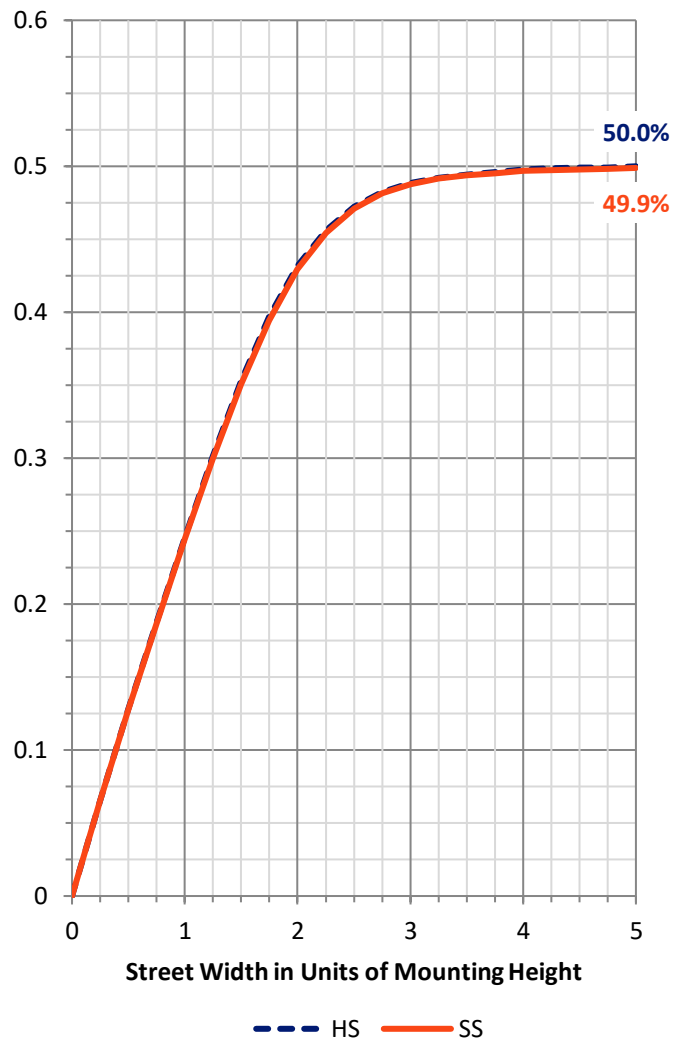
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5279.0	0.0	5279.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5279.0	0.0	5279.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10558.0	0.0	10558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	0.5
10°-20°	213.3	2.0
20°-30°	407.0	3.9
30°-40°	744.2	7.0
40°-50°	1442.9	13.7
50°-60°	2755.4	26.1
60°-70°	3722.8	35.3
70°-80°	1156.2	11.0
80°-90°	62.3	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°	10558.0	100.0
0°-180°	10558.0	100.0

Coefficient of Utilization

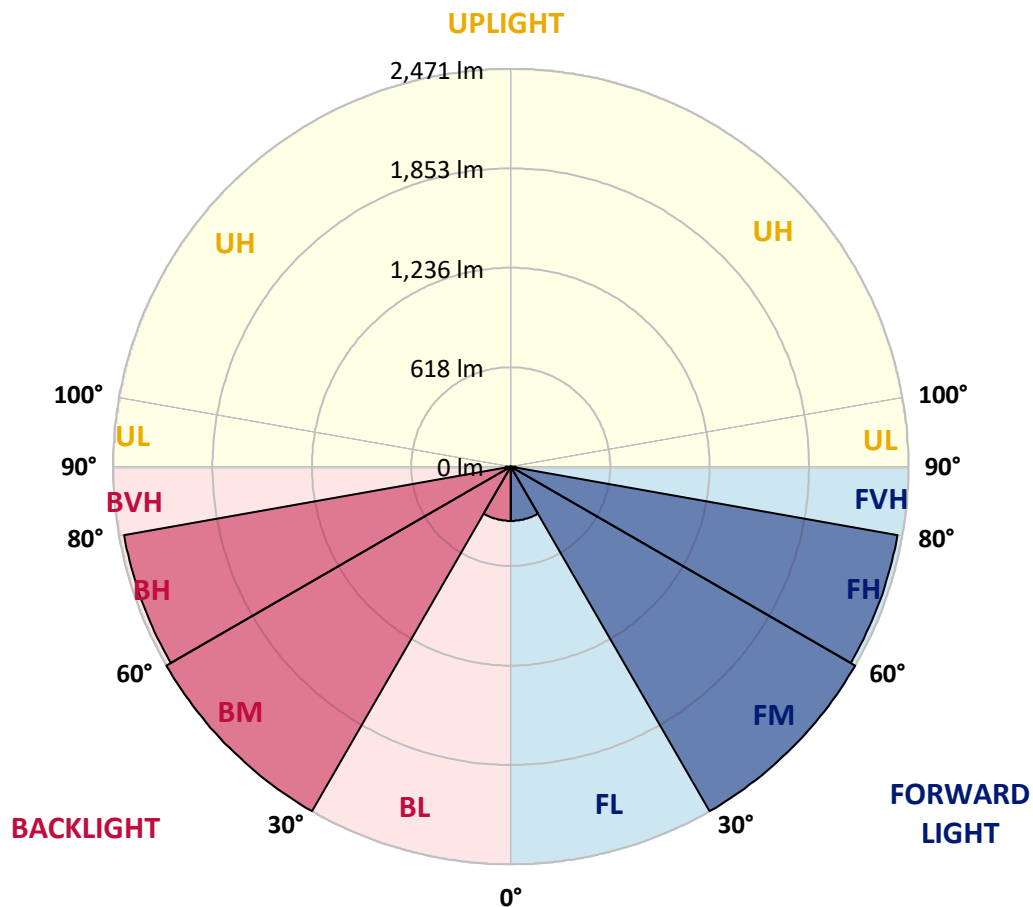


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.1	3.2			
FM (30°-60°)	2471.2	23.4			
FH (60°-80°)	2439.5	23.1			G2/5000
FVH (80°-90°)	31.1	0.3			G1/100
BL (0°-30°)	337.1	3.2	B1/500		
BM (30°-60°)	2471.2	23.4	B2/2500		
BH (60°-80°)	2439.5	23.1	B3/2500		G2/5000
BVH (80°-90°)	31.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	361.8	361.8	361.8	361.8	361.8
2.5°	445.4	416.9	429.9	416.9	445.4
5°	566.1	536.4	510.3	529.0	567.8
7.5°	650.6	606.1	551.1	601.2	646.9
10°	664.9	640.0	637.5	637.1	663.2
12.5°	718.3	701.6	735.0	703.2	719.9
15°	759.9	750.5	765.6	762.3	761.5
17.5°	824.3	760.7	795.0	757.0	822.3
20°	852.9	762.8	820.3	758.3	852.5
22.5°	888.0	810.9	828.0	812.9	884.7
25°	908.0	841.9	848.0	842.7	908.4
27.5°	989.9	910.4	845.1	921.4	1005.0
30°	1052.4	954.9	912.0	956.1	1060.1
32.5°	1142.5	1021.4	1004.6	1037.7	1156.8
35°	1254.3	1133.1	1039.3	1133.5	1277.9
37.5°	1473.3	1234.7	1201.6	1270.6	1489.6
40°	1627.9	1395.0	1324.4	1420.7	1654.4
42.5°	1865.3	1574.9	1395.8	1587.9	1906.1
45°	2086.3	1793.1	1623.4	1808.2	2116.1
47.5°	2320.1	1993.3	1929.7	2012.1	2342.1
50°	2596.2	2264.6	2220.1	2285.8	2605.6
52.5°	2922.1	2627.6	2496.3	2639.9	2925.4
55°	3309.2	2932.3	2902.9	2965.8	3314.1
57.5°	3687.7	3327.1	3515.6	3330.8	3622.0
60°	3957.7	3691.0	4019.3	3597.2	3812.1
62.5°	3974.9	3960.6	4646.7	3801.5	3771.3
65°	3604.5	3851.7	5172.0	3727.3	3423.4
67.5°	2837.3	3235.8	5251.6	3173.0	2750.4
70°	1782.9	2240.5	4642.6	2326.6	1833.5
72.5°	822.3	1207.3	3496.0	1359.1	869.2
75°	294.5	462.1	2156.9	496.4	308.0
77.5°	167.2	187.2	953.2	188.0	172.9
80°	107.7	116.7	275.3	123.2	104.8
82.5°	61.2	81.6	120.7	86.5	56.3
85°	33.0	51.8	53.4	53.0	33.0
87.5°	11.8	20.4	11.8	23.2	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)