

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: P598499

Luminaire Tested: **PMM-SA4A-835-U-5MQ**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA4A-835-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: 13766 lumens
Efficiency: N/A
Efficacy: 106.7 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

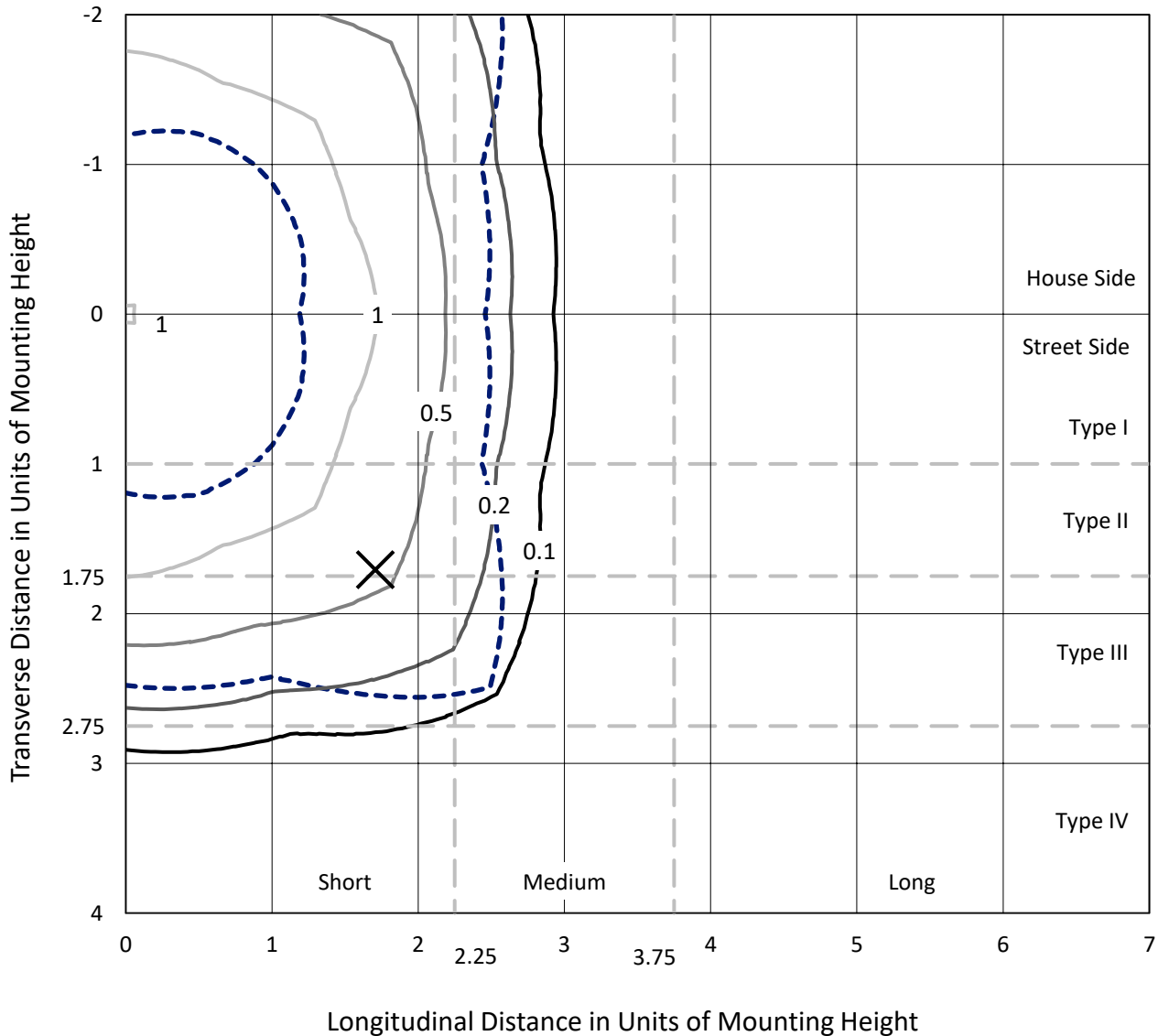


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Iso-Footcandle Lines of Horizontal Illumination

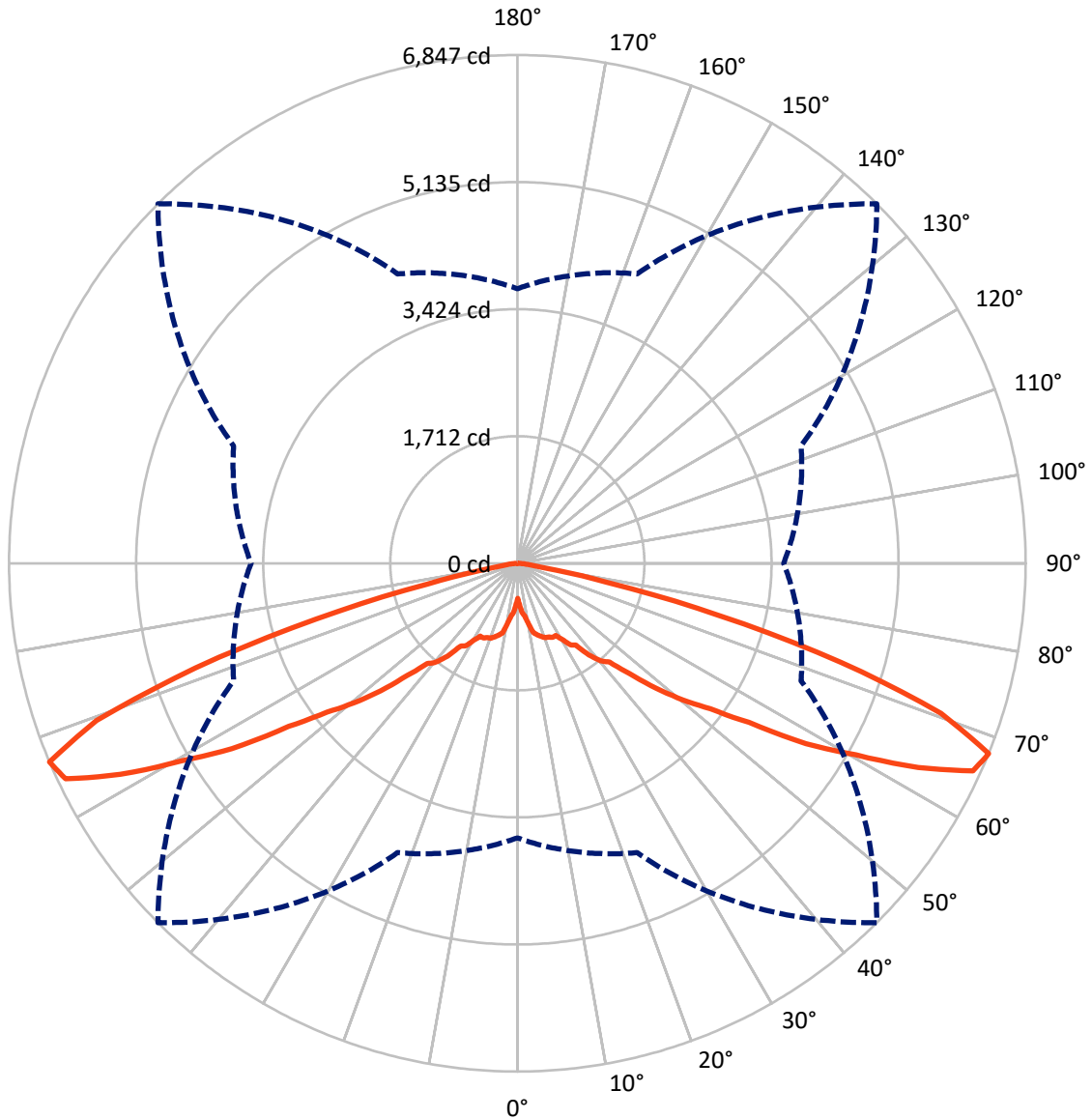
✕ Max cd
 - - - 1/2 Max cd



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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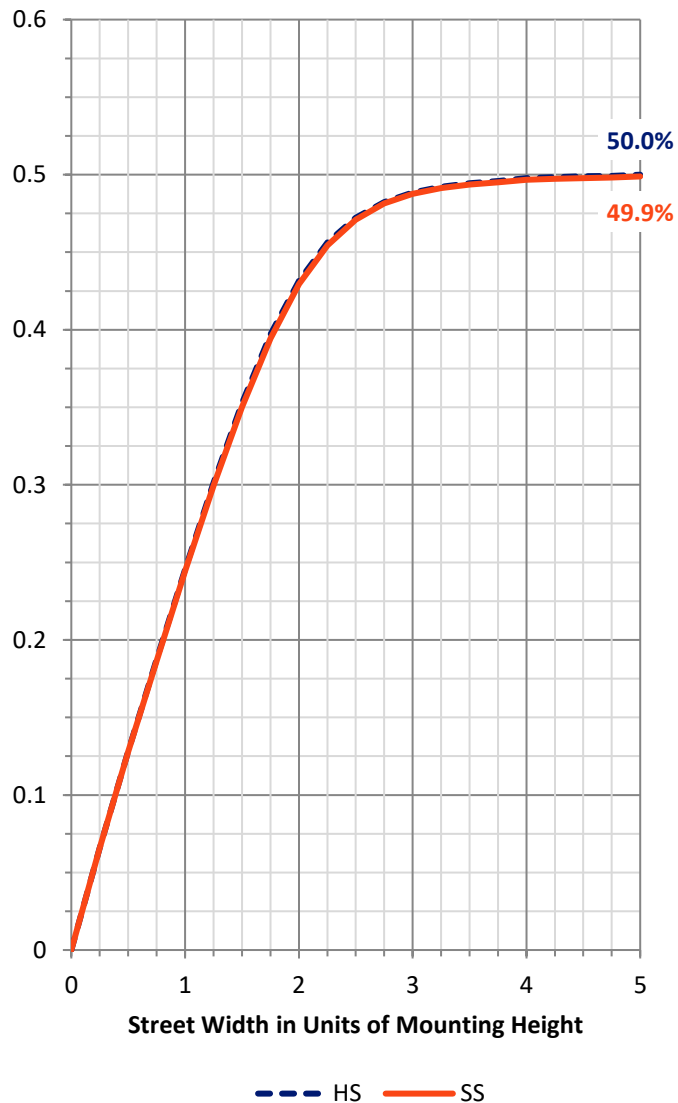
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6883.0	0.0	6883.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6883.0	0.0	6883.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13766.0	0.0	13766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	0.5
10°-20°	278.1	2.0
20°-30°	530.7	3.9
30°-40°	970.3	7.0
40°-50°	1881.3	13.7
50°-60°	3592.6	26.1
60°-70°	4854.0	35.3
70°-80°	1507.5	11.0
80°-90°	81.2	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°	13766.0	100.0
0°-180°	13766.0	100.0

Coefficient of Utilization



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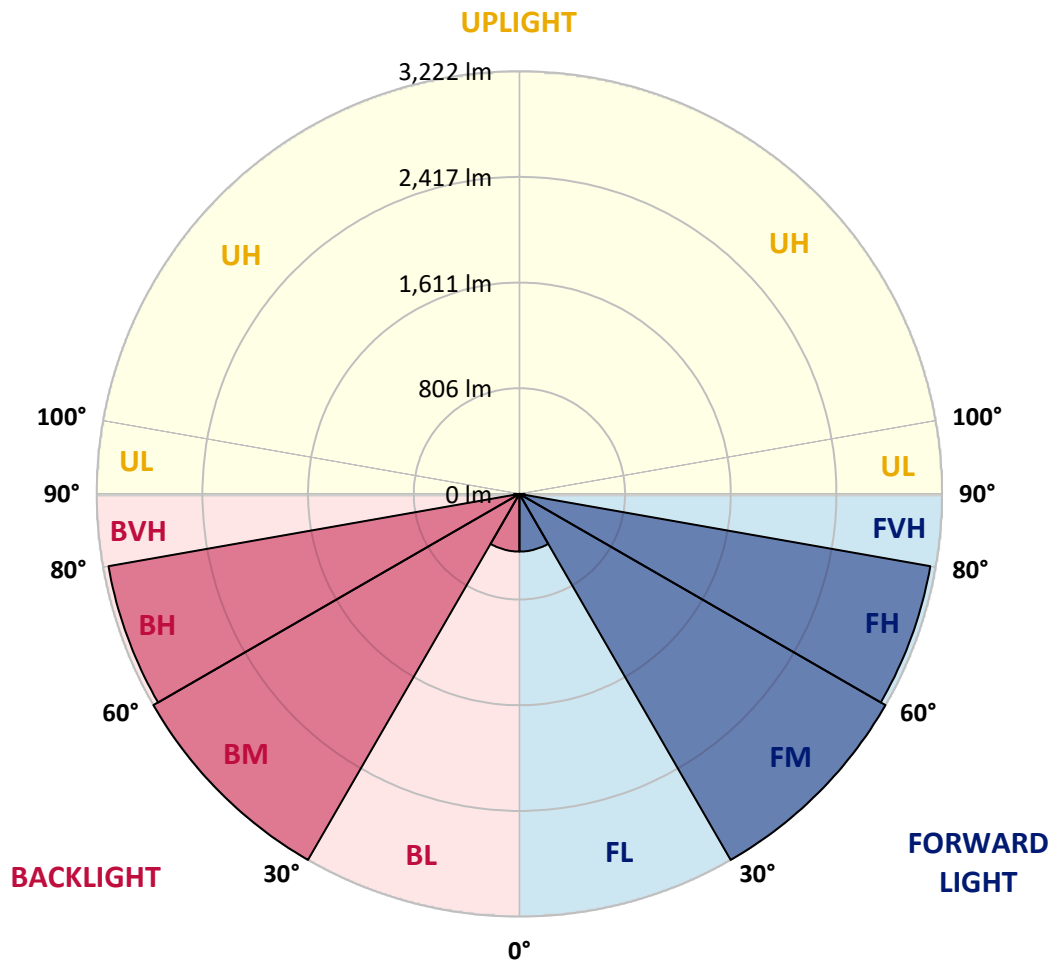
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.6	3.2			
FM (30°-60°)	3222.1	23.4			
FH (60°-80°)	3180.7	23.1			G2/5000
FVH (80°-90°)	40.6	0.3			G1/100
BL (0°-30°)	439.6	3.2	B1/500		
BM (30°-60°)	3222.1	23.4	B3/5000		
BH (60°-80°)	3180.7	23.1	B4/5000		G2/5000
BVH (80°-90°)	40.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	471.7	471.7	471.7	471.7	471.7
2.5°	580.8	543.5	560.5	543.5	580.8
5°	738.2	699.3	665.3	689.8	740.3
7.5°	848.3	790.3	718.5	783.9	843.5
10°	866.9	834.4	831.2	830.7	864.7
12.5°	936.5	914.7	958.3	916.9	938.7
15°	990.8	978.6	998.2	994.0	992.9
17.5°	1074.8	991.8	1036.5	987.1	1072.2
20°	1112.0	994.5	1069.5	988.7	1111.5
22.5°	1157.8	1057.3	1079.6	1059.9	1153.5
25°	1183.8	1097.7	1105.7	1098.7	1184.4
27.5°	1290.7	1187.0	1101.9	1201.4	1310.4
30°	1372.1	1245.0	1189.2	1246.6	1382.2
32.5°	1489.6	1331.7	1309.9	1353.0	1508.2
35°	1635.4	1477.4	1355.1	1477.9	1666.2
37.5°	1920.9	1609.8	1566.7	1656.6	1942.2
40°	2122.5	1818.8	1726.8	1852.3	2157.1
42.5°	2432.0	2053.4	1819.9	2070.4	2485.2
45°	2720.3	2337.9	2116.7	2357.6	2759.1
47.5°	3025.0	2599.0	2516.1	2623.5	3053.7
50°	3385.1	2952.7	2894.7	2980.3	3397.3
52.5°	3810.0	3426.0	3254.8	3442.0	3814.2
55°	4314.7	3823.3	3785.0	3866.9	4321.1
57.5°	4808.2	4338.1	4583.8	4342.9	4722.6
60°	5160.3	4812.5	5240.6	4690.1	4970.4
62.5°	5182.6	5164.0	6058.5	4956.6	4917.2
65°	4699.7	5022.0	6743.5	4859.8	4463.6
67.5°	3699.4	4219.0	6847.2	4137.0	3586.1
70°	2324.6	2921.3	6053.2	3033.5	2390.5
72.5°	1072.2	1574.2	4558.3	1772.0	1133.3
75°	384.0	602.6	2812.3	647.2	401.5
77.5°	218.0	244.1	1242.9	245.2	225.5
80°	140.4	152.1	359.0	160.6	136.7
82.5°	79.8	106.4	157.4	112.7	73.4
85°	43.1	67.5	69.7	69.1	43.1
87.5°	15.4	26.6	15.4	30.3	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)