

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: P598413

Luminaire Tested: **PMM-SA3A-835-U-5WQ**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P598413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3A-835-U-5WQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10374 lumens
Efficiency: N/A
Efficacy: 108.1 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

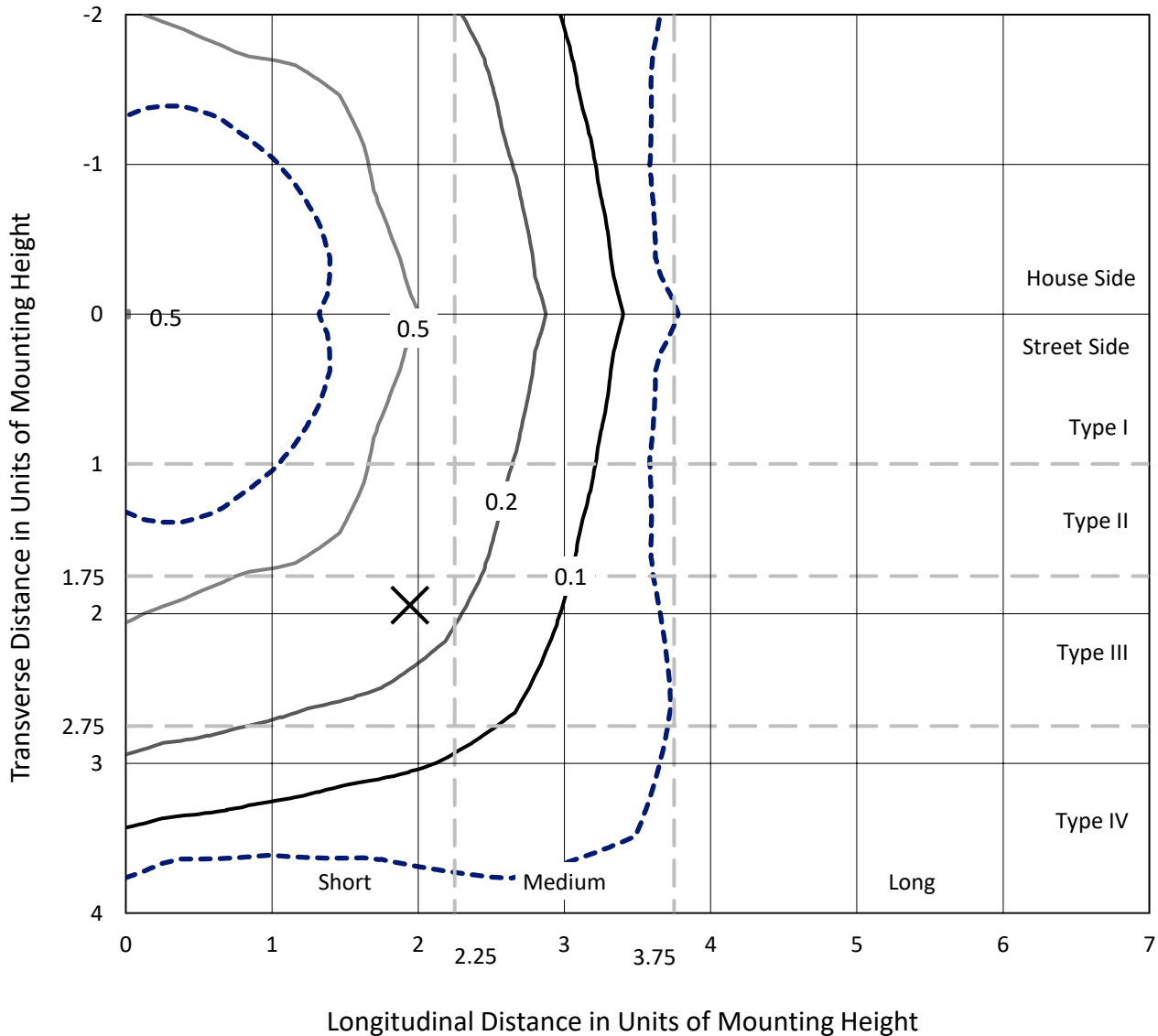


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Iso-Footcandle Lines of Horizontal Illumination

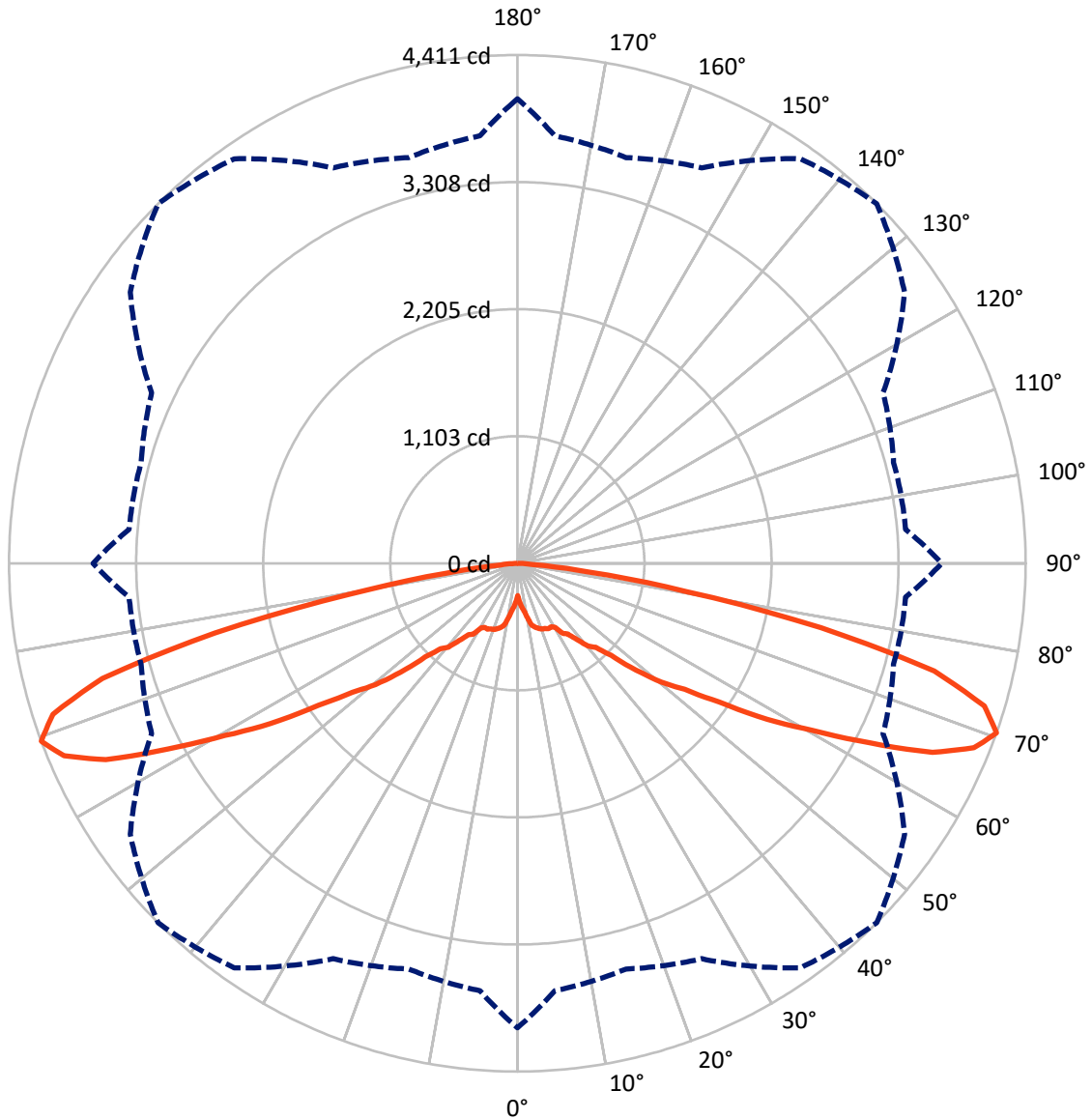
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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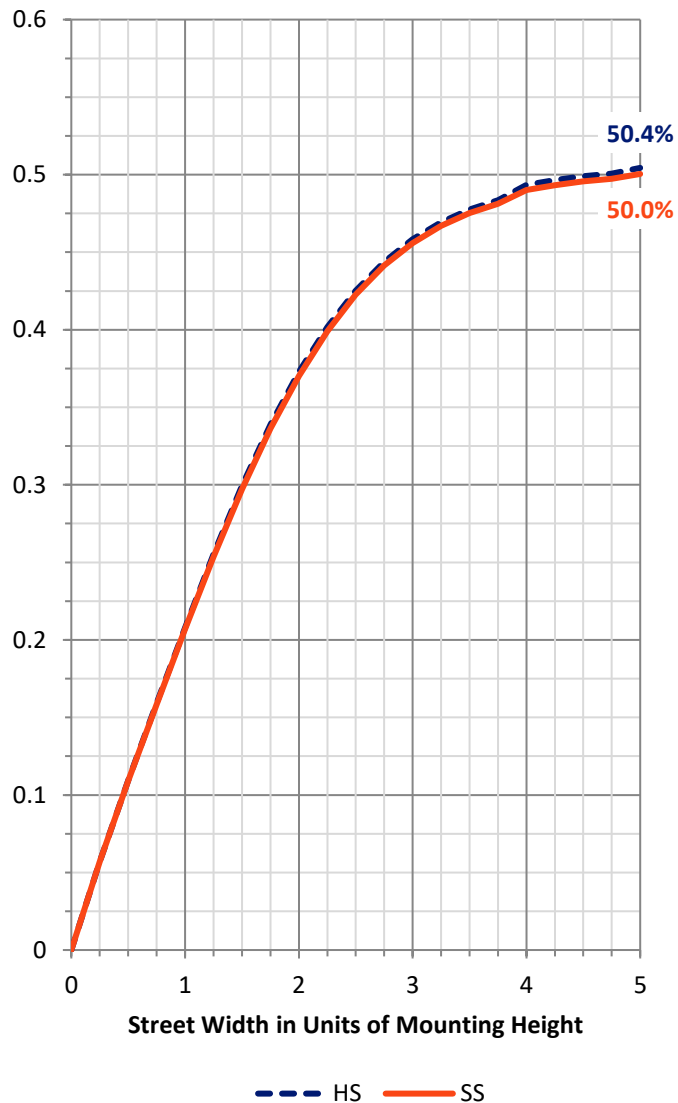
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5187.0	0.0	5187.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5187.0	0.0	5187.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10374.0	0.0	10374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	0.4
10°-20°	163.3	1.6
20°-30°	308.7	3.0
30°-40°	537.8	5.2
40°-50°	1028.1	9.9
50°-60°	1993.5	19.2
60°-70°	3490.7	33.6
70°-80°	2623.4	25.3
80°-90°	187.7	1.8
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°	10374.0	100.0
0°-180°	10374.0	100.0

Coefficient of Utilization



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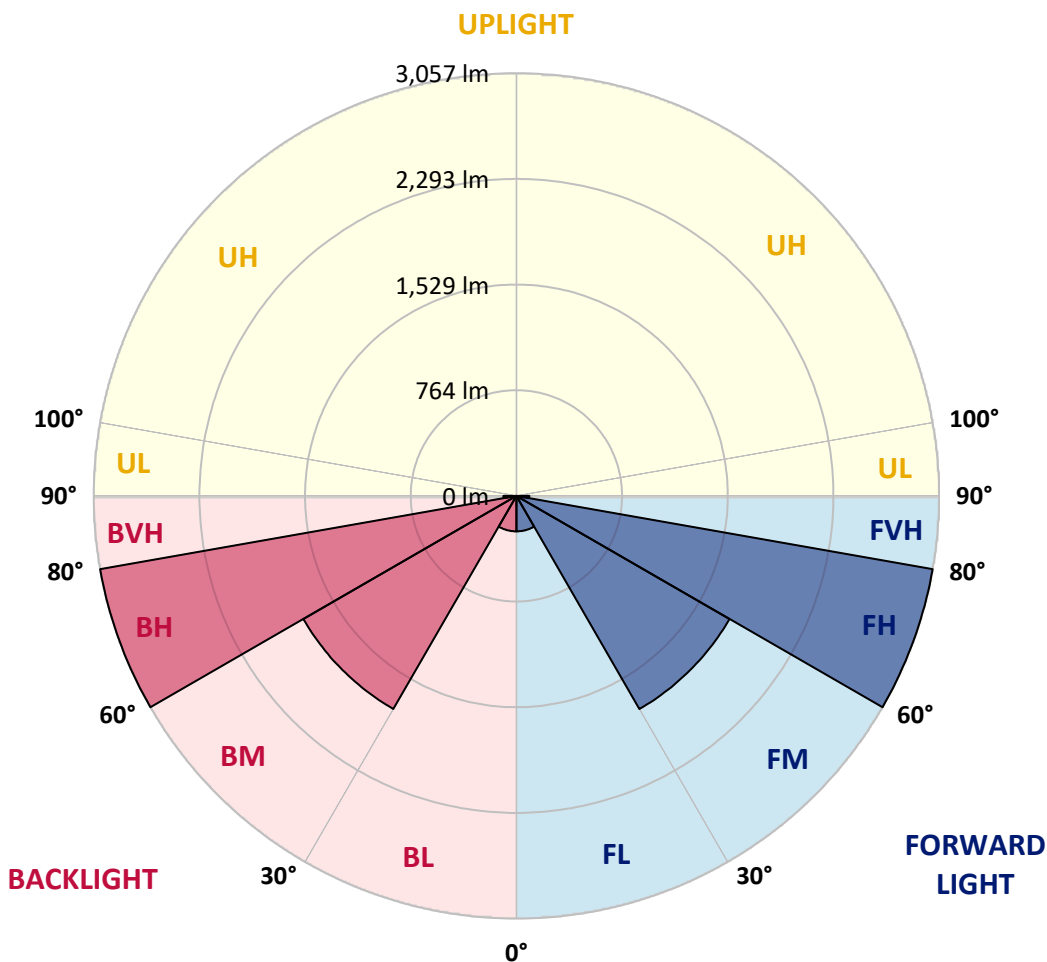
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.4	2.5			
FM (30°-60°)	1779.7	17.2			
FH (60°-80°)	3057.1	29.5			G2/5000
FVH (80°-90°)	93.9	0.9			G1/100
BL (0°-30°)	256.4	2.5	B1/500		
BM (30°-60°)	1779.7	17.2	B2/2500		
BH (60°-80°)	3057.1	29.5	B4/5000		G2/5000
BVH (80°-90°)	93.9	0.9			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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5	280.5
2.5°	341.3	336.0	319.5	320.3	328.0	328.8	329.6	319.5	317.1	337.7	338.9
5°	433.4	421.4	409.3	404.5	397.2	377.1	399.2	401.6	406.5	422.2	429.4
7.5°	495.0	480.1	463.6	453.6	433.8	417.3	435.4	450.3	460.0	477.7	487.8
10°	506.7	497.8	497.0	479.3	475.7	481.7	480.5	480.9	495.4	495.8	501.9
12.5°	543.3	549.7	537.3	531.2	534.9	549.7	537.7	532.4	536.1	552.6	545.7
15°	591.2	598.8	579.9	570.3	560.6	574.7	562.2	571.5	583.1	595.2	589.2
17.5°	644.3	644.7	619.0	583.1	591.6	593.6	589.2	581.5	614.9	643.9	641.1
20°	673.3	672.9	628.6	579.9	604.9	609.3	605.3	579.1	629.4	669.3	668.1
22.5°	703.1	694.2	641.1	601.7	610.9	614.5	605.3	602.9	641.1	696.6	696.2
25°	719.2	726.8	668.5	643.9	636.3	627.8	635.9	639.9	676.5	730.8	715.1
27.5°	769.5	757.0	676.5	674.1	658.0	624.6	652.4	672.1	674.1	761.8	777.9
30°	815.0	819.8	712.7	716.4	687.0	644.7	687.8	719.2	725.2	820.6	819.0
32.5°	863.2	865.3	777.1	739.7	727.2	725.6	709.1	736.5	784.0	860.4	863.7
35°	936.5	953.0	834.7	784.4	768.7	752.6	767.1	791.6	835.9	950.6	942.5
37.5°	1104.3	1078.2	959.8	855.6	845.1	838.7	850.4	868.1	958.6	1081.0	1118.4
40°	1221.4	1209.0	1048.0	973.5	907.5	942.1	914.8	983.2	1058.0	1209.8	1233.9
42.5°	1402.9	1347.4	1182.0	1089.8	1021.4	996.9	1012.2	1101.5	1196.9	1365.9	1413.4
45°	1577.2	1491.5	1349.8	1268.5	1164.7	1138.9	1159.4	1264.5	1374.8	1508.4	1592.1
47.5°	1755.1	1666.5	1510.8	1393.3	1308.4	1385.2	1318.0	1417.8	1527.7	1683.0	1757.5
50°	1939.8	1841.6	1687.9	1559.9	1552.6	1620.7	1540.2	1591.3	1693.1	1854.1	1941.8
52.5°	2151.9	2046.0	1892.3	1805.8	1822.7	1818.3	1802.2	1792.9	1893.1	2051.3	2155.5
55°	2404.2	2289.9	2167.2	2127.3	2174.0	2123.7	2147.5	2144.2	2158.7	2271.8	2393.8
57.5°	2709.3	2580.1	2456.9	2448.1	2508.0	2555.5	2513.3	2452.5	2427.2	2537.0	2676.7
60°	3093.6	2935.0	2799.8	2772.1	2943.1	2942.7	2904.5	2768.4	2758.8	2883.1	3051.4
62.5°	3518.2	3325.0	3177.3	3133.0	3401.1	3431.3	3312.1	3068.3	3118.2	3218.4	3418.0
65°	3878.8	3646.6	3508.9	3496.9	3824.5	3957.7	3694.5	3360.8	3376.9	3460.2	3676.4
67.5°	4113.8	3834.1	3724.6	3783.0	4190.3	4273.6	4028.9	3556.4	3499.3	3533.9	3792.3
70°	4031.3	3723.8	3645.0	3786.6	4284.9	4410.8	4100.9	3501.7	3380.2	3381.8	3682.0
72.5°	3406.3	3113.7	3151.2	3411.1	4061.1	4237.8	3767.7	3162.8	2914.1	2908.1	3180.5
75°	2252.5	2056.9	2204.6	2609.9	3376.1	3737.5	3121.8	2479.1	2167.2	2065.8	2276.2
77.5°	985.2	960.2	1084.6	1542.6	2301.6	2693.6	2236.4	1619.4	1178.8	980.4	1070.9
80°	264.0	258.4	324.4	585.2	1120.4	1483.4	1210.2	645.9	337.3	245.5	260.4
82.5°	96.2	98.6	120.3	163.8	369.0	624.6	402.0	188.7	127.6	104.6	104.6
85°	41.9	40.6	58.4	65.6	100.6	141.3	115.5	80.1	64.4	48.3	46.3
87.5°	11.3	14.1	19.7	20.5	26.2	21.3	30.6	28.2	24.1	16.9	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)