

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: P368184

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

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-5)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA4A-727-U-5NQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13267 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

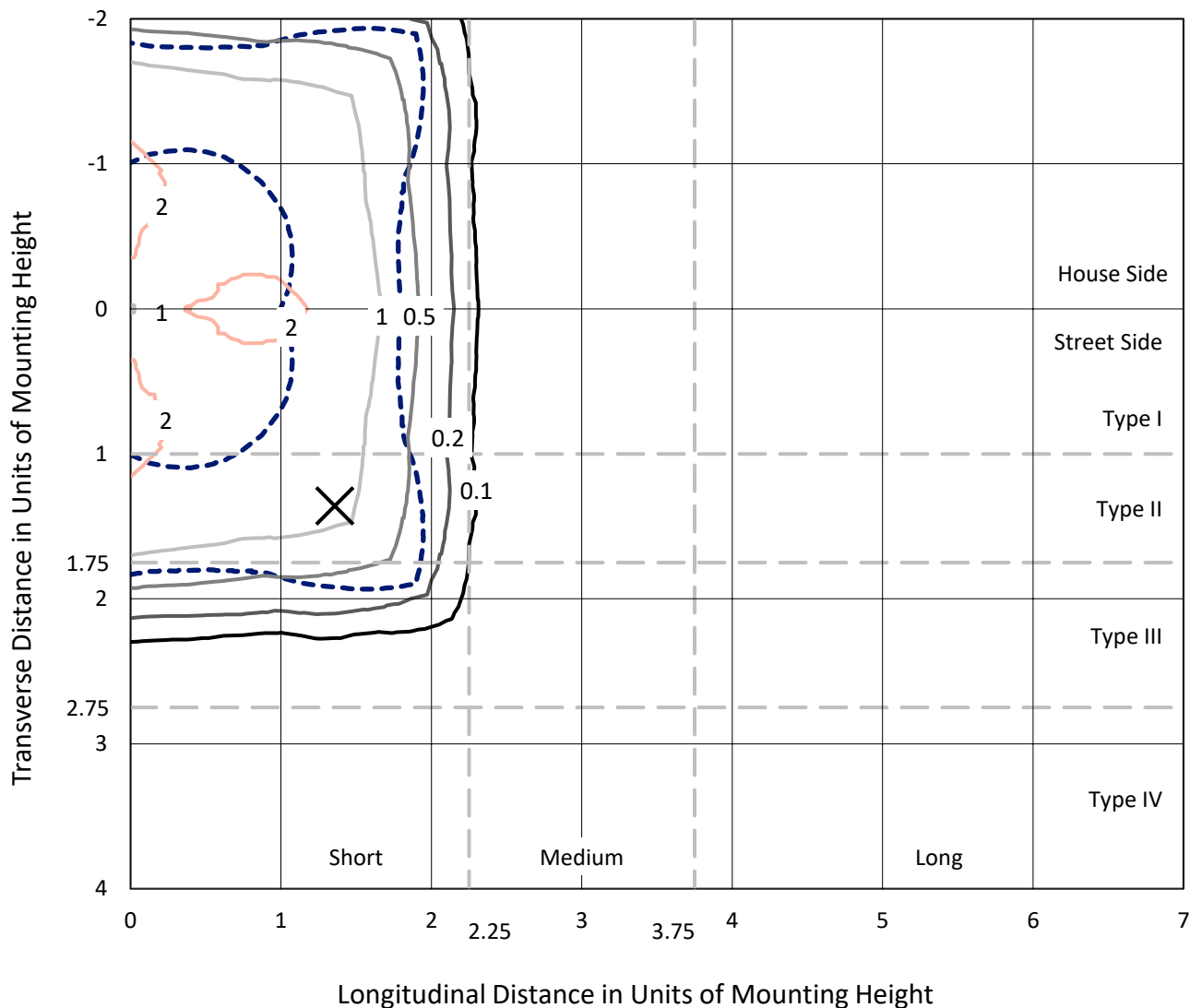
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

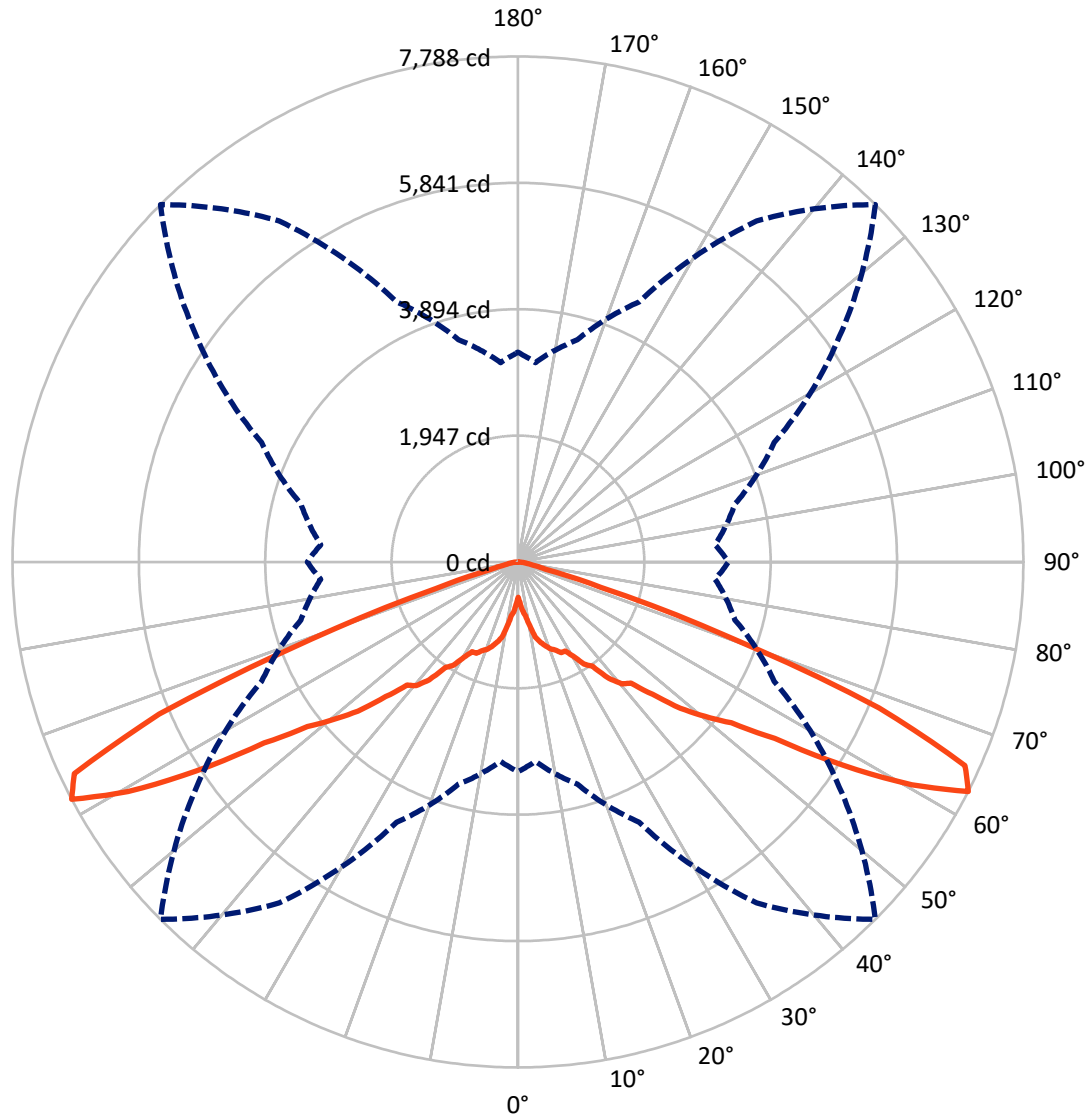
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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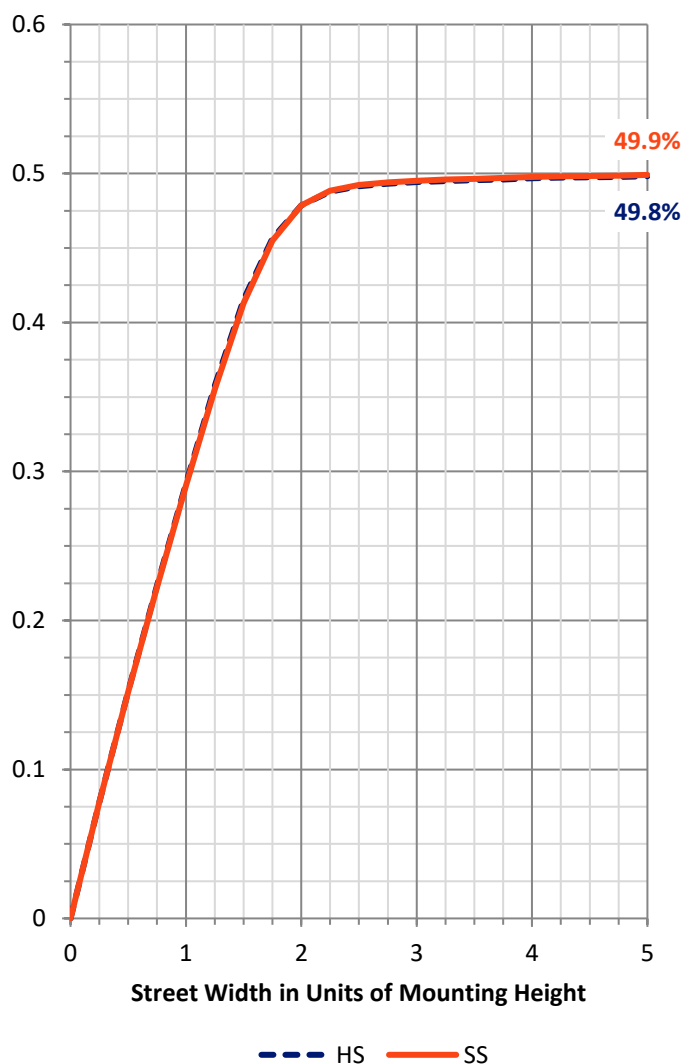
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6633.5	0.0	6633.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6633.5	0.0	6633.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13267.0	0.0	13267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	0.6
10°-20°	360.5	2.7
20°-30°	755.5	5.7
30°-40°	1423.5	10.7
40°-50°	2583.7	19.5
50°-60°	4365.5	32.9
60°-70°	3263.5	24.6
70°-80°	365.1	2.8
80°-90°	67.9	0.5
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°	13267.0	100.0
0°-180°	13267.0	100.0

Coefficient of Utilization

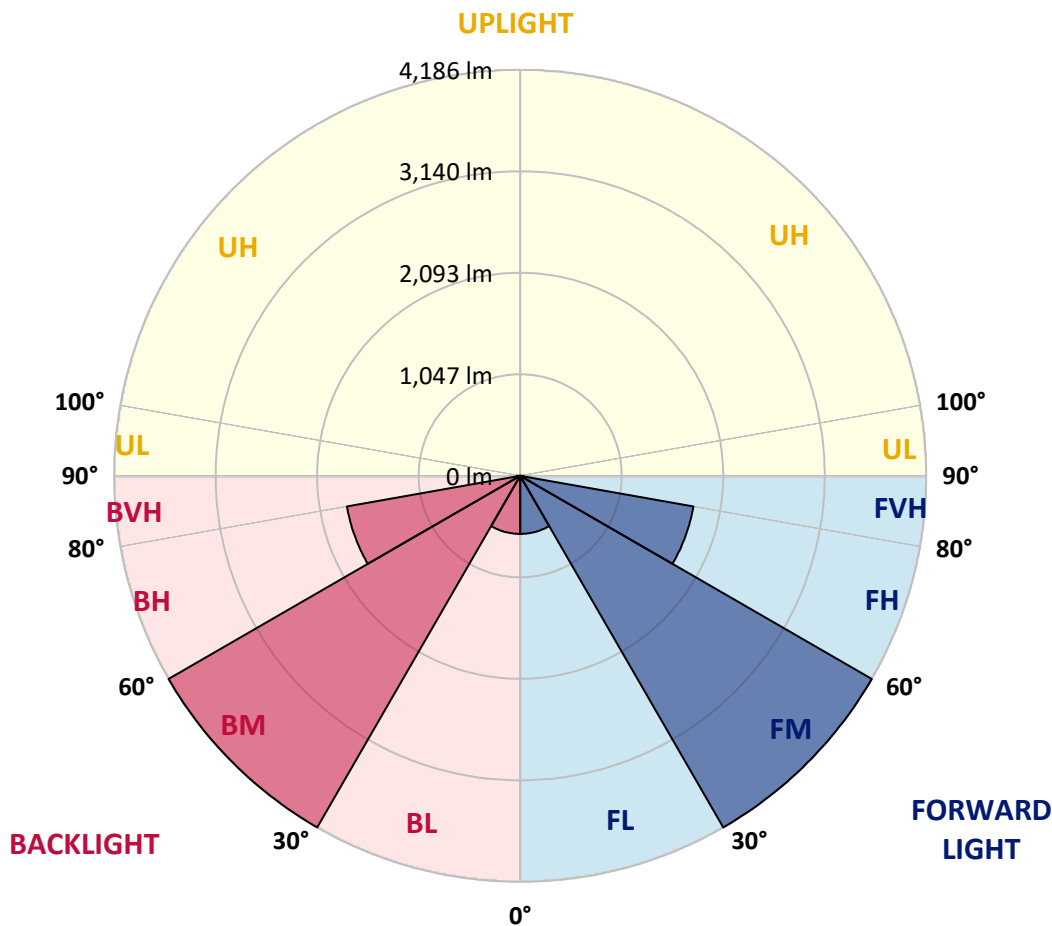


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.9	4.5			
FM (30°-60°)	4186.4	31.6			
FH (60°-80°)	1814.3	13.7			G2/5000
FVH (80°-90°)	34.0	0.3			G1/100
BL (0°-30°)	598.9	4.5	B2/1000		
BM (30°-60°)	4186.4	31.6	B3/5000		
BH (60°-80°)	1814.3	13.7	B3/2500		G2/5000
BVH (80°-90°)	34.0	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	542.5	542.5	542.5	542.5	542.5	542.5	542.5	542.5	542.5	542.5	542.5
2.5°	659.6	647.7	606.1	620.7	635.8	633.7	629.9	618.6	608.3	650.9	659.6
5°	840.9	813.9	799.4	787.5	784.8	755.7	795.6	791.3	804.8	827.4	849.6
7.5°	985.6	960.2	921.9	913.8	870.1	837.7	872.2	914.9	928.4	969.9	994.8
10°	1038.5	1016.4	1023.4	987.2	985.1	994.2	986.7	996.4	1032.0	1027.2	1045.5
12.5°	1157.2	1161.0	1138.3	1129.2	1147.5	1187.5	1153.5	1141.6	1132.9	1169.6	1181.0
15°	1268.4	1290.6	1253.3	1247.4	1239.8	1277.1	1240.4	1258.2	1273.8	1281.4	1277.1
17.5°	1426.0	1427.1	1385.5	1319.2	1344.0	1355.9	1339.7	1308.9	1382.8	1420.1	1422.3
20°	1529.7	1533.4	1451.4	1347.8	1417.9	1428.7	1420.6	1356.4	1454.6	1516.7	1514.0
22.5°	1641.4	1628.4	1517.2	1441.7	1466.5	1473.0	1455.7	1447.6	1516.7	1629.5	1612.8
25°	1716.4	1740.2	1629.5	1580.9	1559.9	1544.8	1566.9	1571.2	1641.9	1744.5	1687.8
27.5°	1895.6	1854.6	1681.3	1699.7	1654.9	1552.9	1650.0	1703.5	1688.3	1863.2	1905.9
30°	2054.8	2055.9	1813.0	1848.1	1765.0	1682.4	1787.7	1864.8	1846.0	2070.0	2029.5
32.5°	2258.3	2265.9	2040.3	1946.4	1890.2	1874.6	1861.6	1946.9	2064.6	2245.9	2249.7
35°	2478.0	2542.8	2236.2	2137.4	2041.9	1972.8	2047.3	2165.5	2242.1	2532.0	2480.7
37.5°	2906.0	2797.0	2546.0	2360.3	2299.3	2271.8	2311.2	2379.8	2545.5	2795.4	2883.4
40°	3159.2	3129.0	2787.3	2631.8	2396.5	2469.9	2448.3	2636.2	2773.3	3146.2	3154.3
42.5°	3546.2	3394.0	3086.9	2889.3	2677.7	2550.3	2685.3	2937.3	3103.0	3418.3	3567.2
45°	3852.2	3656.8	3419.9	3269.8	3002.6	2908.2	2956.8	3279.5	3487.3	3703.8	3899.7
47.5°	4190.6	3979.1	3742.1	3475.5	3214.8	3368.6	3282.8	3566.7	3769.6	4080.0	4263.5
50°	4616.0	4381.7	4078.4	3858.2	3685.4	3739.4	3725.9	3928.3	4178.8	4461.6	4669.9
52.5°	5084.5	4819.5	4526.9	4322.3	4249.5	4115.6	4290.5	4373.6	4558.2	4817.3	5061.8
55°	5412.1	5147.1	4970.1	5035.9	5016.5	4801.6	4954.9	4963.6	4874.5	4967.9	5214.0
57.5°	5361.4	5108.2	5083.9	5332.8	5704.7	5912.5	5675.5	5166.0	4832.4	4788.7	5049.4
60°	4687.8	4471.3	4693.7	5255.0	6338.3	6970.9	6058.7	5013.2	4463.8	4236.5	4488.1
62.5°	3230.4	3084.2	3545.1	4422.7	6414.4	7787.6	6044.7	4356.4	3462.0	3049.6	3245.0
65°	1531.3	1478.4	1867.5	2804.0	5343.0	7569.5	5280.9	2947.6	1992.8	1591.7	1636.0
67.5°	575.9	549.5	685.5	1238.7	3365.4	6003.7	3550.0	1454.1	770.8	599.1	619.6
70°	327.1	308.2	326.0	451.8	1354.8	3400.4	1531.3	498.7	327.6	298.5	317.9
72.5°	257.5	242.9	245.6	273.1	467.4	1334.8	495.5	284.5	238.0	226.2	243.4
75°	212.7	199.7	199.2	214.3	272.6	433.4	280.1	217.5	192.7	184.1	198.1
77.5°	168.9	161.4	163.5	175.4	195.4	242.3	202.9	176.0	158.1	147.9	157.6
80°	123.6	122.5	131.2	142.0	145.7	163.0	152.2	142.0	126.3	111.7	115.5
82.5°	81.0	81.5	97.7	106.3	104.7	104.2	109.0	108.5	94.5	73.9	73.9
85°	46.4	47.5	59.9	66.9	65.8	52.4	69.1	69.6	60.5	44.8	43.2
87.5°	15.1	18.9	25.9	27.5	26.4	14.6	26.4	29.1	26.4	18.9	16.7
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)