

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: P366732

Luminaire Tested: **PMM-SA1B-727-U-5NQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366732
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-SA1B-727-U-5NQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4334 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

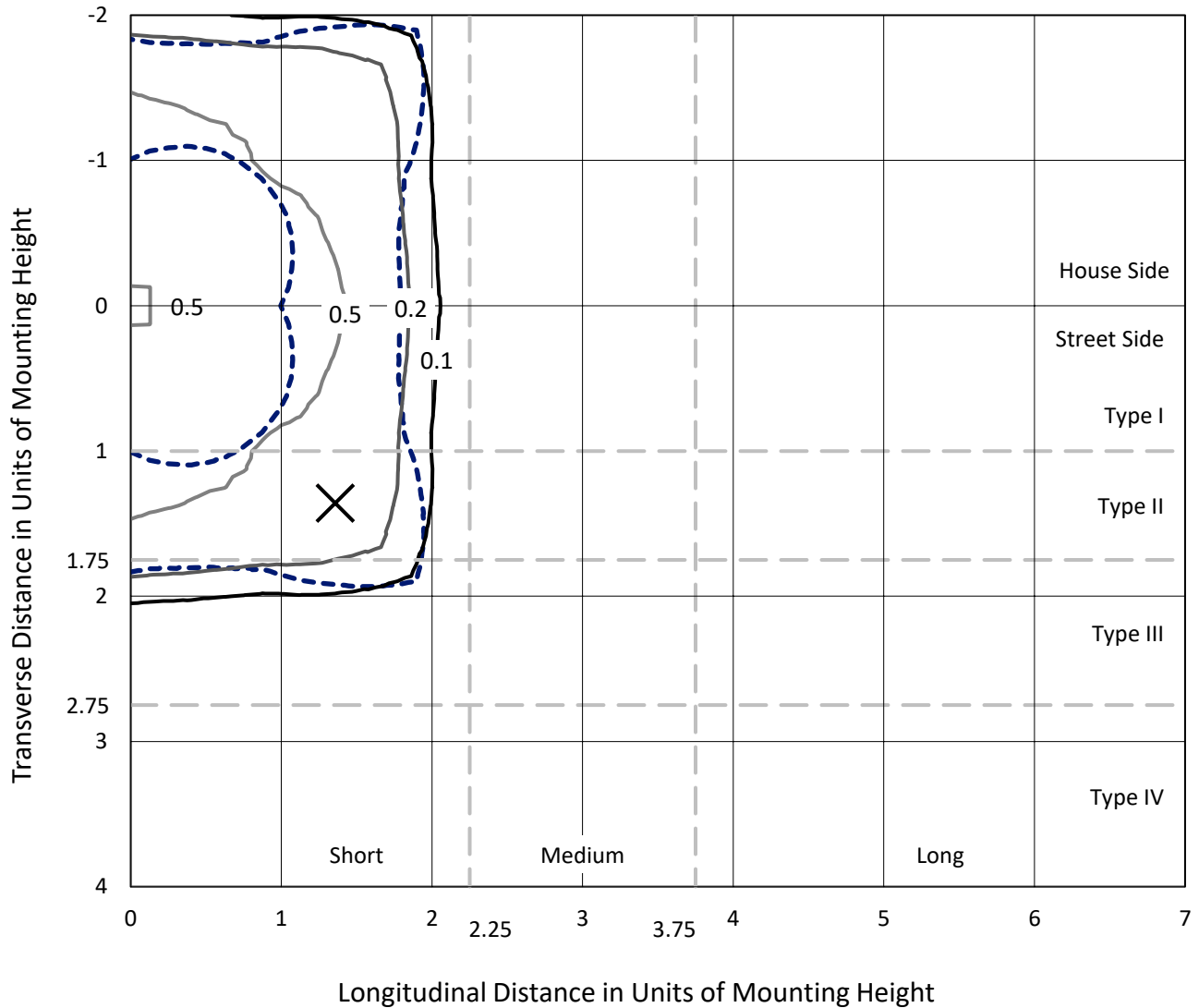
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

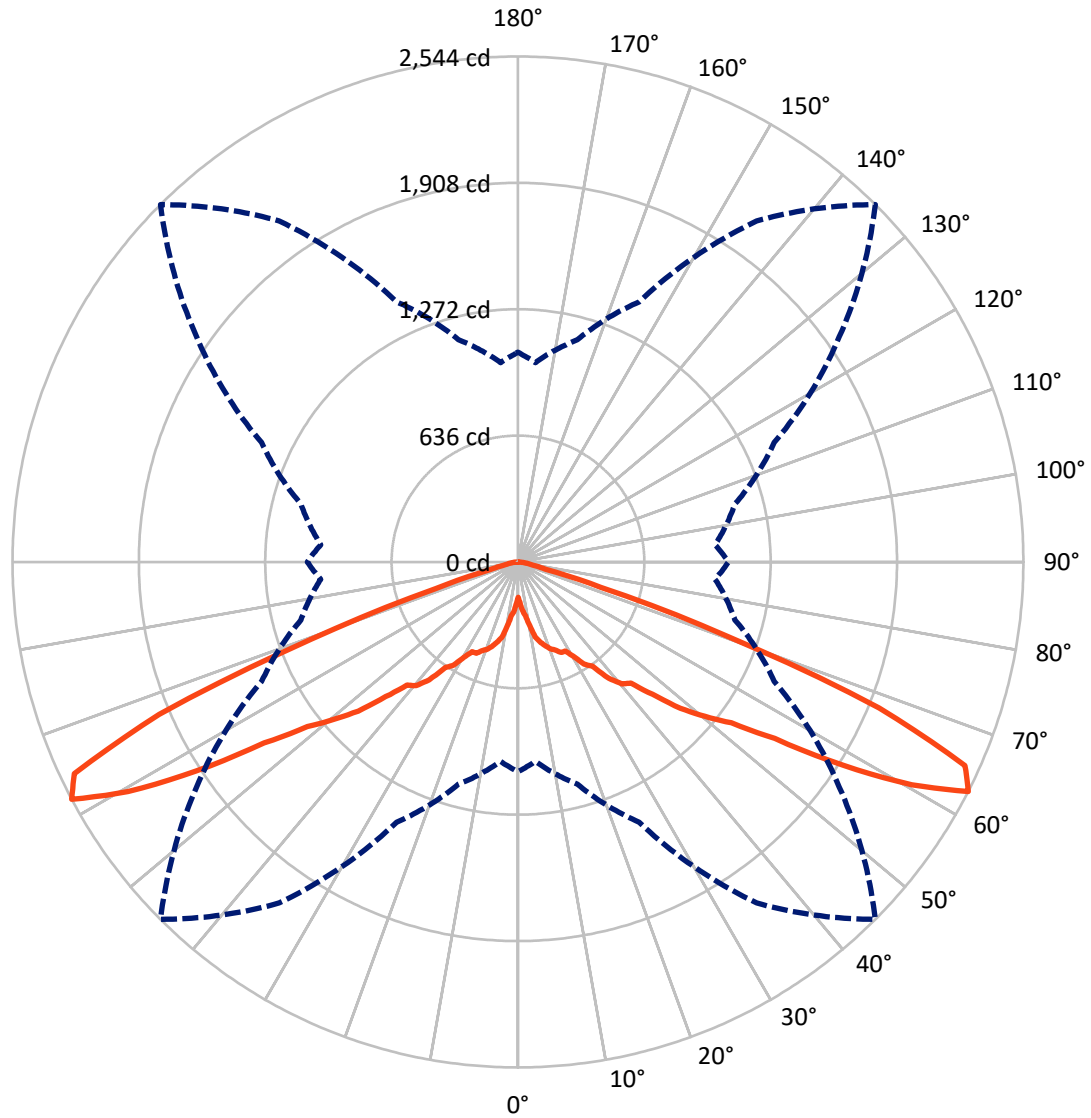
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	2167.0	0.0	2167.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2167.0	0.0	2167.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4334.0	0.0	4334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	0.6
10°-20°	117.8	2.7
20°-30°	246.8	5.7
30°-40°	465.0	10.7
40°-50°	844.0	19.5
50°-60°	1426.1	32.9
60°-70°	1066.1	24.6
70°-80°	119.3	2.8
80°-90°	22.2	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°	4334.0	100.0
0°-180°	4334.0	100.0

Coefficient of Utilization



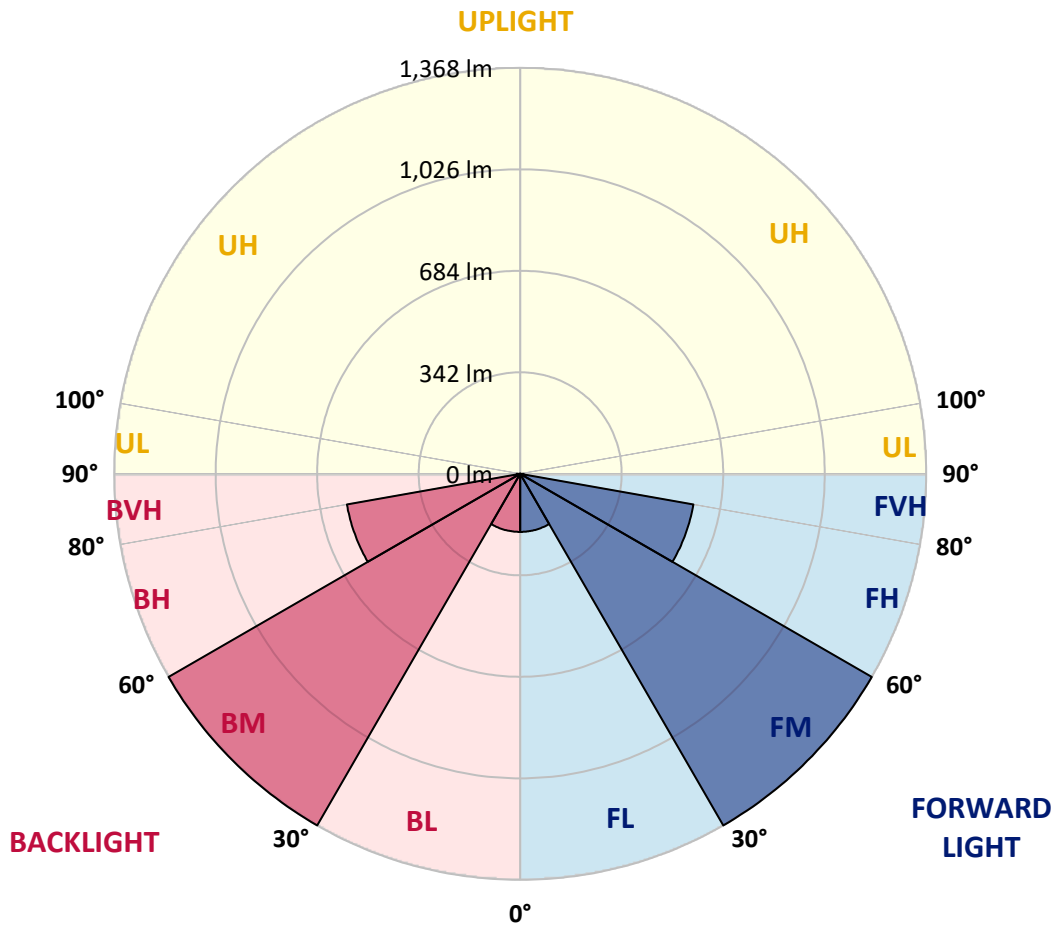
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.6	4.5			
FM (30°-60°)	1367.6	31.6			
FH (60°-80°)	592.7	13.7			G0/660
FVH (80°-90°)	11.1	0.3			G1/100
BL (0°-30°)	195.6	4.5	B1/500		
BM (30°-60°)	1367.6	31.6	B2/2500		
BH (60°-80°)	592.7	13.7	B2/1000		G0/660
BVH (80°-90°)	11.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2	177.2
2.5°	215.5	211.6	198.0	202.8	207.7	207.0	205.8	202.1	198.7	212.6	215.5
5°	274.7	265.9	261.1	257.3	256.4	246.9	259.9	258.5	262.9	270.3	277.5
7.5°	322.0	313.7	301.2	298.5	284.2	273.7	284.9	298.9	303.3	316.9	325.0
10°	339.2	332.0	334.3	322.5	321.8	324.8	322.3	325.5	337.1	335.5	341.5
12.5°	378.0	379.3	371.9	368.9	374.9	387.9	376.8	372.9	370.1	382.1	385.8
15°	414.4	421.6	409.4	407.5	405.0	417.2	405.2	411.0	416.1	418.6	417.2
17.5°	465.8	466.2	452.6	430.9	439.0	442.9	437.6	427.6	451.7	463.9	464.6
20°	499.7	500.9	474.1	440.3	463.2	466.7	464.1	443.1	475.2	495.5	494.6
22.5°	536.2	532.0	495.6	471.0	479.1	481.2	475.5	472.9	495.5	532.3	526.9
25°	560.7	568.5	532.3	516.5	509.6	504.6	511.9	513.3	536.4	569.9	551.4
27.5°	619.3	605.8	549.2	555.2	540.6	507.3	539.0	556.5	551.5	608.7	622.6
30°	671.3	671.6	592.3	603.7	576.6	549.6	584.0	609.2	603.0	676.2	663.0
32.5°	737.7	740.2	666.5	635.8	617.5	612.4	608.1	636.0	674.4	733.7	734.9
35°	809.5	830.7	730.5	698.2	667.0	644.5	668.8	707.4	732.5	827.1	810.4
37.5°	949.3	913.7	831.7	771.1	751.1	742.1	755.0	777.4	831.5	913.2	941.9
40°	1032.0	1022.2	910.5	859.8	782.9	806.9	799.8	861.2	906.0	1027.8	1030.4
42.5°	1158.4	1108.7	1008.4	943.9	874.7	833.1	877.2	959.6	1013.7	1116.7	1165.3
45°	1258.4	1194.6	1117.2	1068.2	980.9	950.0	965.9	1071.3	1139.2	1209.9	1273.9
47.5°	1369.0	1299.9	1222.5	1135.4	1050.2	1100.4	1072.4	1165.1	1231.4	1332.8	1392.8
50°	1507.9	1431.4	1332.3	1260.4	1203.9	1221.6	1217.2	1283.3	1365.1	1457.5	1525.6
52.5°	1661.0	1574.4	1478.8	1412.0	1388.2	1344.5	1401.6	1428.8	1489.1	1573.7	1653.6
55°	1768.0	1681.4	1623.6	1645.1	1638.8	1568.6	1618.7	1621.5	1592.4	1622.9	1703.3
57.5°	1751.4	1668.7	1660.8	1742.1	1863.6	1931.5	1854.0	1687.6	1578.6	1564.3	1649.5
60°	1531.4	1460.7	1533.3	1716.7	2070.6	2277.2	1979.2	1637.7	1458.2	1384.0	1466.1
62.5°	1055.3	1007.5	1158.1	1444.8	2095.4	2544.0	1974.7	1423.1	1130.9	996.2	1060.1
65°	500.2	483.0	610.1	916.0	1745.4	2472.8	1725.2	962.9	651.0	520.0	534.4
67.5°	188.1	179.5	223.9	404.7	1099.4	1961.3	1159.7	475.0	251.8	195.7	202.4
70°	106.9	100.7	106.5	147.6	442.6	1110.8	500.2	162.9	107.0	97.5	103.9
72.5°	84.1	79.3	80.2	89.2	152.7	436.0	161.9	92.9	77.8	73.9	79.5
75°	69.5	65.2	65.1	70.0	89.0	141.6	91.5	71.1	62.9	60.1	64.7
77.5°	55.2	52.7	53.4	57.3	63.8	79.2	66.3	57.5	51.7	48.3	51.5
80°	40.4	40.0	42.8	46.4	47.6	53.2	49.7	46.4	41.3	36.5	37.7
82.5°	26.4	26.6	31.9	34.7	34.2	34.0	35.6	35.4	30.9	24.2	24.2
85°	15.2	15.5	19.6	21.9	21.5	17.1	22.6	22.7	19.7	14.6	14.1
87.5°	4.9	6.2	8.5	9.0	8.6	4.8	8.6	9.5	8.6	6.2	5.5
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)