

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: P368053

Luminaire Tested: **PMM-SA3D-727-U-5WQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-4)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3D-727-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: 17857 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

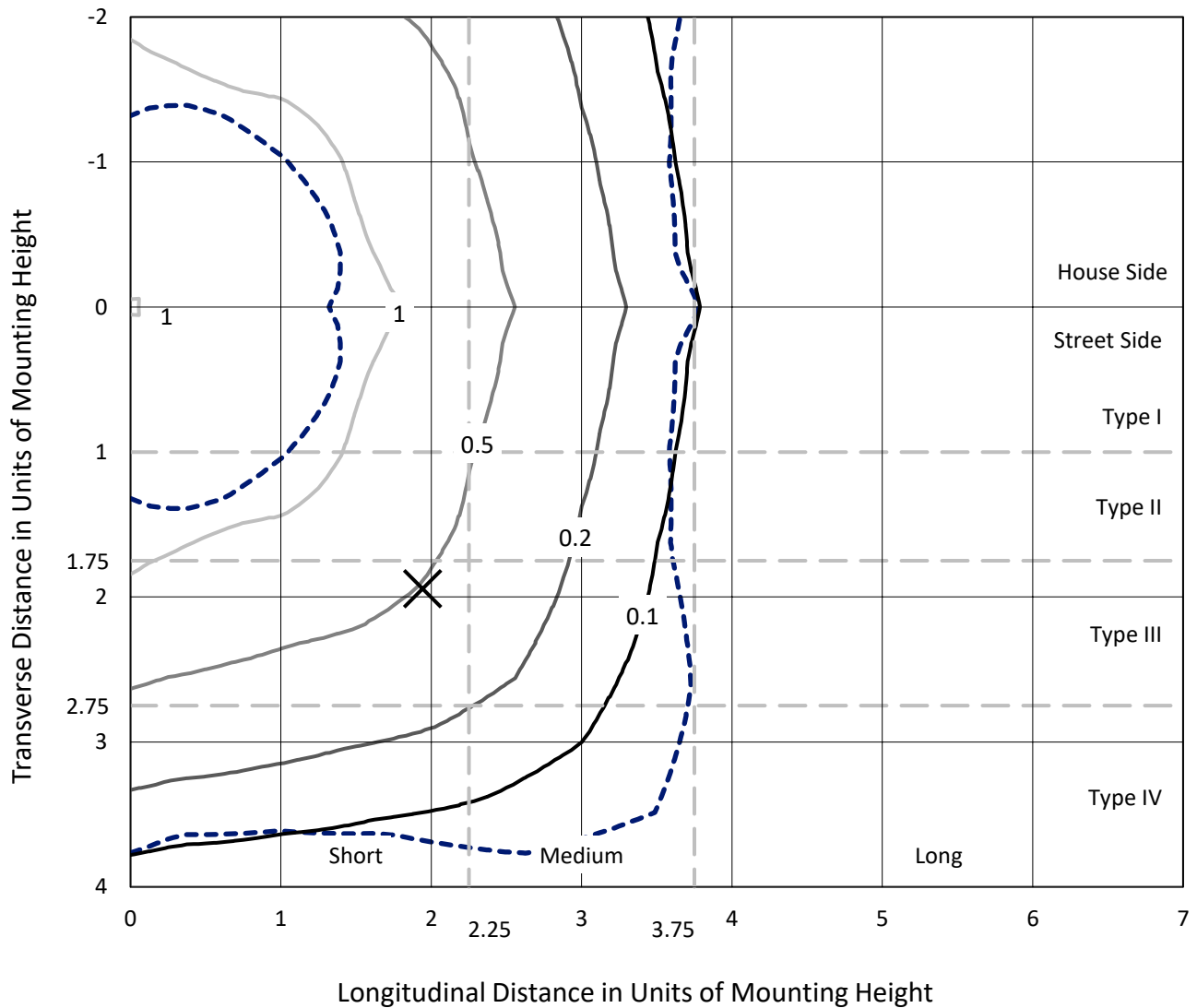
Input Watts (W): 192
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P368053
 CATALOG NUMBER: PMM-SA3D-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

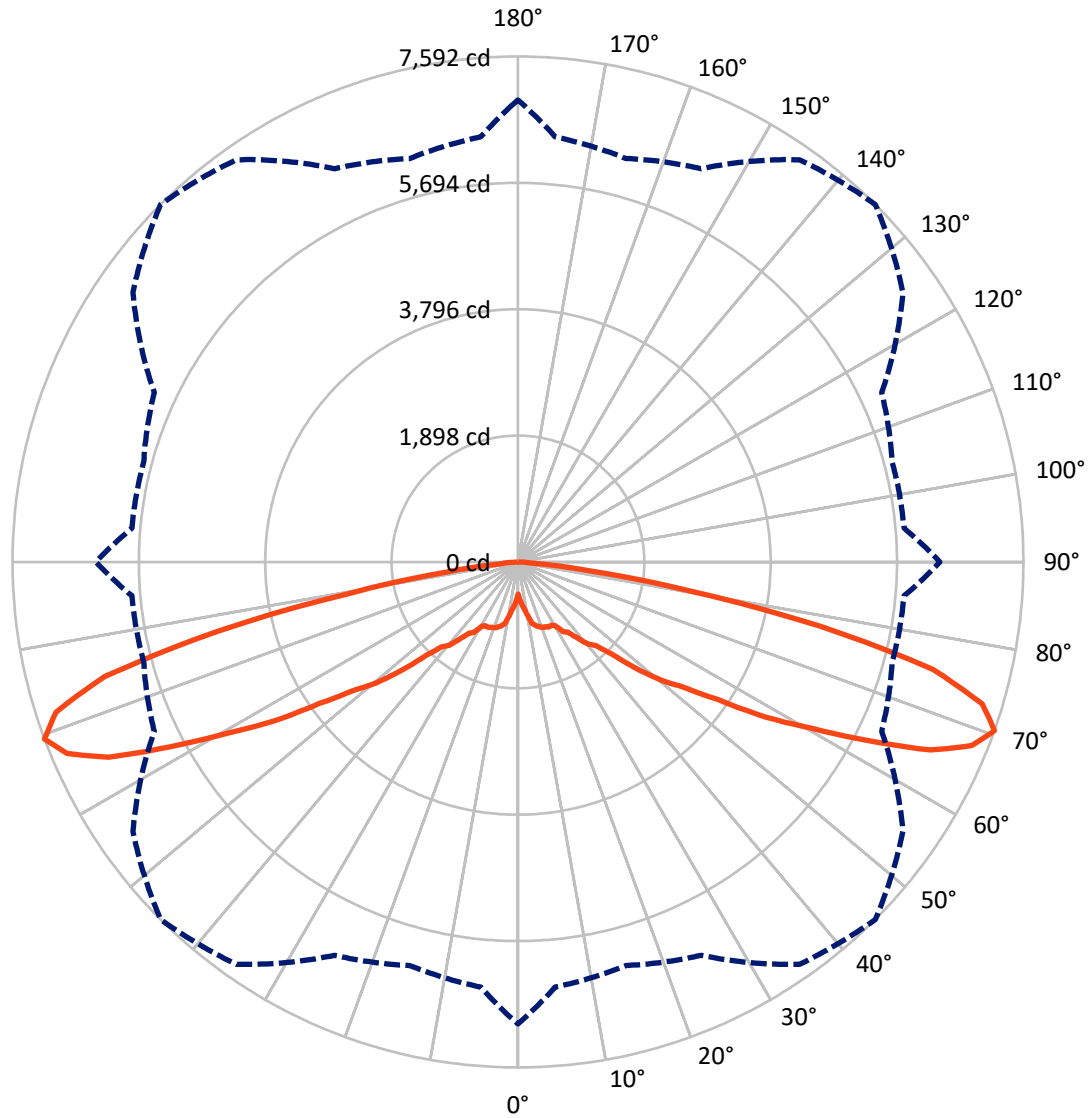
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P368053
CATALOG NUMBER: PMM-SA3D-727-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P368053

CATALOG NUMBER: PMM-SA3D-727-U-5WQ

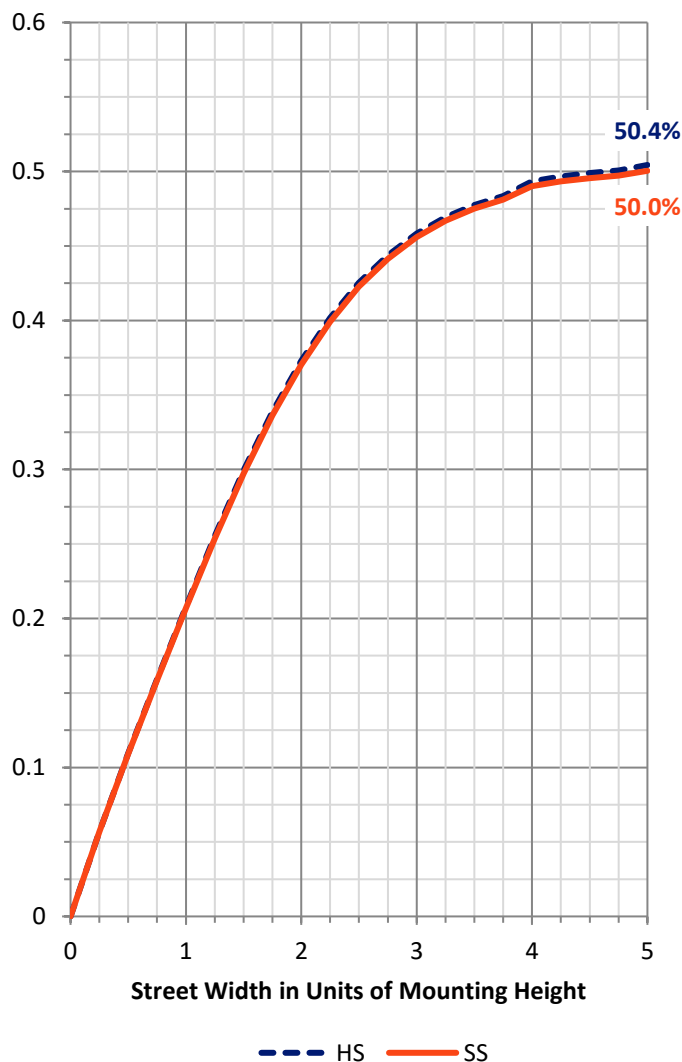
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8928.5	0.0	8928.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8928.5	0.0	8928.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17857.0	0.0	17857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	0.4
10°-20°	281.1	1.6
20°-30°	531.4	3.0
30°-40°	925.7	5.2
40°-50°	1769.6	9.9
50°-60°	3431.4	19.2
60°-70°	6008.6	33.6
70°-80°	4515.8	25.3
80°-90°	323.1	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°	17857.0	100.0
0°-180°	17857.0	100.0

Coefficient of Utilization

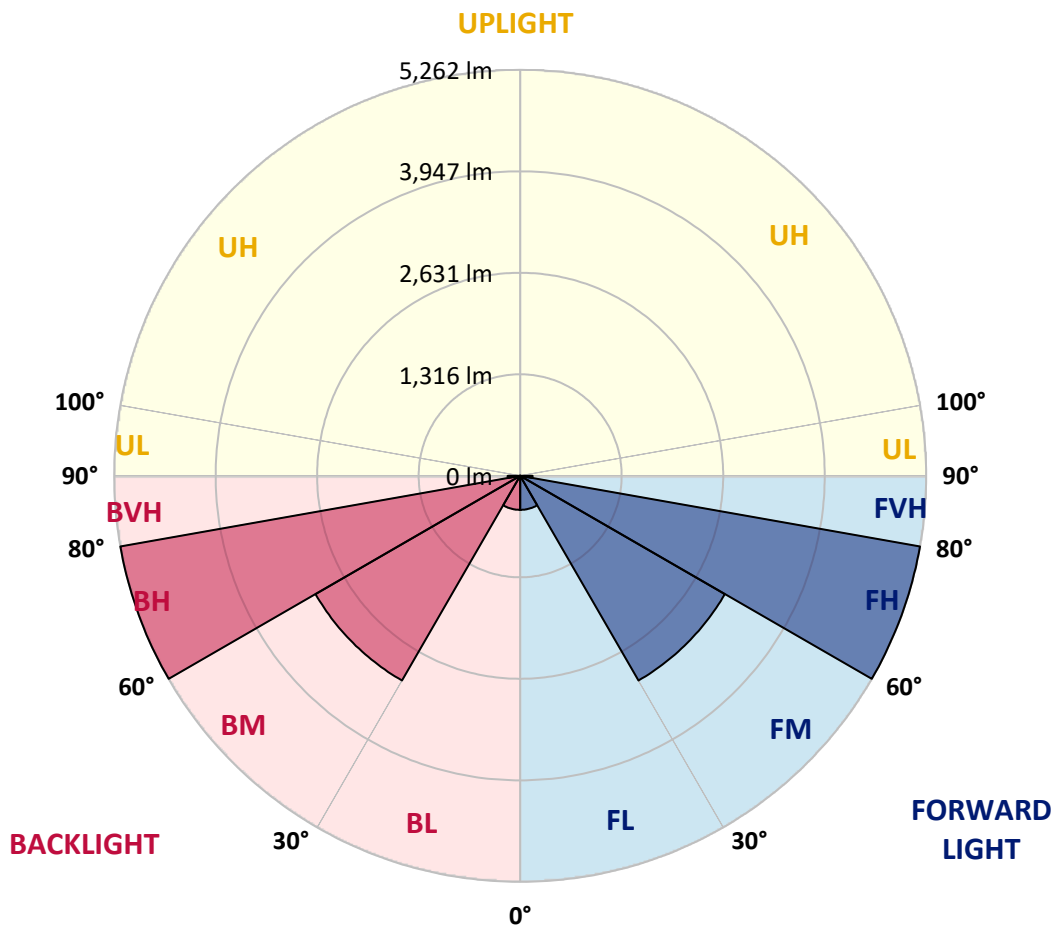


REPORT NUMBER: P368053
 CATALOG NUMBER: PMM-SA3D-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.4	2.5			
FM (30°-60°)	3063.4	17.2			
FH (60°-80°)	5262.2	29.5			G3/7500
FVH (80°-90°)	161.5	0.9			G2/225
BL (0°-30°)	441.4	2.5	B1/500		
BM (30°-60°)	3063.4	17.2	B3/5000		
BH (60°-80°)	5262.2	29.5	B5		G3/7500
BVH (80°-90°)	161.5	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





REPORT NUMBER: P368053
 CATALOG NUMBER: PMM-SA3D-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	587.4	578.4	550.0	551.4	564.6	566.0	567.4	550.0	545.9	581.2	583.3
5°	746.1	725.3	704.5	696.2	683.7	649.1	687.2	691.4	699.7	726.7	739.2
7.5°	852.1	826.4	798.0	780.7	746.8	718.4	749.5	775.2	791.8	822.3	839.6
10°	872.2	856.9	855.5	825.1	818.8	829.2	827.1	827.8	852.8	853.5	863.8
12.5°	935.2	946.3	924.8	914.4	920.7	946.3	925.5	916.5	922.7	951.1	939.4
15°	1017.6	1030.8	998.2	981.6	965.0	989.2	967.8	983.7	1003.8	1024.6	1014.2
17.5°	1109.1	1109.8	1065.4	1003.8	1018.3	1021.8	1014.2	1001.0	1058.5	1108.4	1103.5
20°	1159.0	1158.3	1082.1	998.2	1041.2	1048.8	1041.9	996.9	1083.4	1152.0	1149.9
22.5°	1210.2	1195.0	1103.5	1035.6	1051.6	1057.8	1041.9	1037.7	1103.5	1199.1	1198.4
25°	1237.9	1251.1	1150.6	1108.4	1095.2	1080.7	1094.5	1101.5	1164.5	1258.0	1231.0
27.5°	1324.5	1303.0	1164.5	1160.3	1132.6	1075.1	1122.9	1156.9	1160.3	1311.4	1339.1
30°	1402.8	1411.1	1226.8	1233.1	1182.5	1109.8	1183.9	1237.9	1248.3	1412.5	1409.7
32.5°	1485.9	1489.4	1337.7	1273.3	1251.8	1249.0	1220.6	1267.7	1349.5	1481.1	1486.6
35°	1612.0	1640.4	1436.7	1350.2	1323.1	1295.4	1320.4	1362.6	1438.8	1636.3	1622.4
37.5°	1900.9	1855.9	1652.2	1472.8	1454.8	1443.7	1463.8	1494.2	1650.1	1860.7	1925.1
40°	2102.5	2081.0	1803.9	1675.7	1562.1	1621.7	1574.6	1692.4	1821.2	2082.4	2123.9
42.5°	2414.9	2319.3	2034.6	1875.9	1758.2	1715.9	1742.2	1896.0	2060.2	2351.2	2432.9
45°	2714.9	2567.3	2323.5	2183.5	2004.8	1960.5	1995.8	2176.6	2366.4	2596.4	2740.5
47.5°	3021.0	2868.6	2600.5	2398.3	2252.1	2384.4	2268.7	2440.5	2629.6	2897.0	3025.2
50°	3339.0	3170.0	2905.4	2685.1	2672.6	2789.7	2651.1	2739.1	2914.4	3191.5	3342.5
52.5°	3704.1	3521.9	3257.3	3108.3	3137.4	3129.8	3102.1	3086.2	3258.7	3530.9	3710.3
55°	4138.4	3941.7	3730.4	3661.8	3742.2	3655.6	3696.5	3690.9	3715.9	3910.5	4120.4
57.5°	4663.5	4441.2	4229.2	4213.9	4317.2	4398.9	4326.2	4221.6	4177.9	4367.0	4607.4
60°	5325.1	5052.2	4819.4	4771.6	5066.0	5065.3	4999.5	4765.4	4748.7	4962.8	5252.4
62.5°	6055.9	5723.4	5469.2	5393.0	5854.4	5906.3	5701.3	5281.5	5367.4	5539.8	5883.4
65°	6676.6	6276.9	6040.0	6019.2	6583.1	6812.4	6359.4	5785.1	5812.8	5956.2	6328.2
67.5°	7081.2	6599.7	6411.3	6511.8	7212.8	7356.2	6935.0	6121.8	6023.4	6083.0	6527.7
70°	6939.2	6409.9	6274.2	6518.0	7375.6	7592.4	7059.0	6027.5	5818.3	5821.1	6337.9
72.5°	5863.4	5359.7	5424.2	5871.7	6990.4	7294.6	6485.4	5444.2	5016.1	5005.7	5474.7
75°	3877.3	3540.6	3794.8	4492.4	5811.4	6433.5	5373.6	4267.3	3730.4	3555.8	3918.1
77.5°	1695.8	1652.9	1866.9	2655.3	3961.8	4636.5	3849.6	2787.6	2029.0	1687.5	1843.4
80°	454.4	444.7	558.3	1007.2	1928.6	2553.4	2083.1	1111.8	580.5	422.6	448.2
82.5°	165.6	169.7	207.1	281.9	635.2	1075.1	692.0	324.9	219.6	180.1	180.1
85°	72.0	70.0	100.4	112.9	173.2	243.2	198.8	137.9	110.8	83.1	79.7
87.5°	19.4	24.2	33.9	35.3	45.0	36.7	52.6	48.5	41.6	29.1	23.6
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)