

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: P367655

Luminaire Tested: **PMM-SA3A-727-U-5MQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-6)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3A-727-U-5MQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10566 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

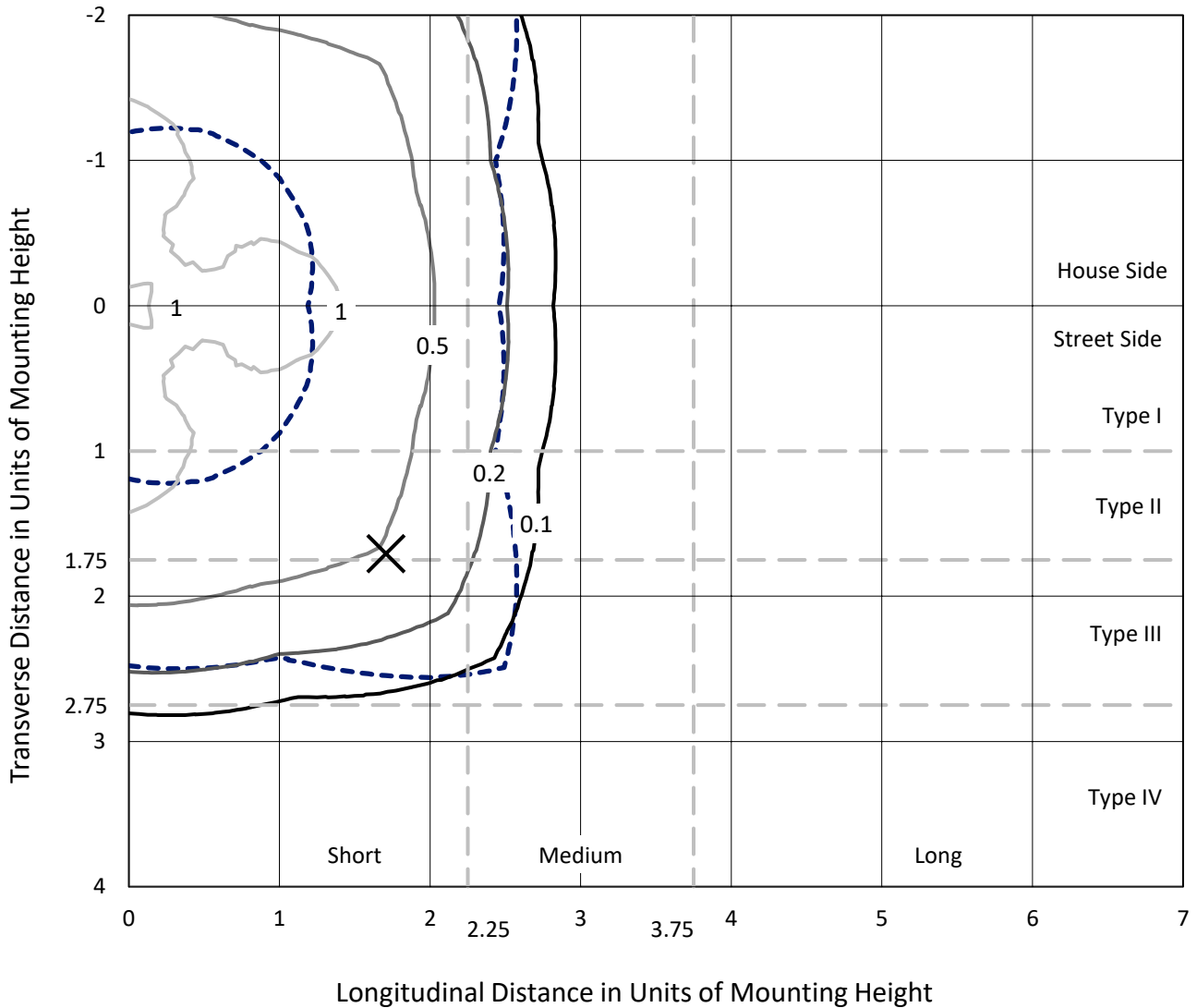
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

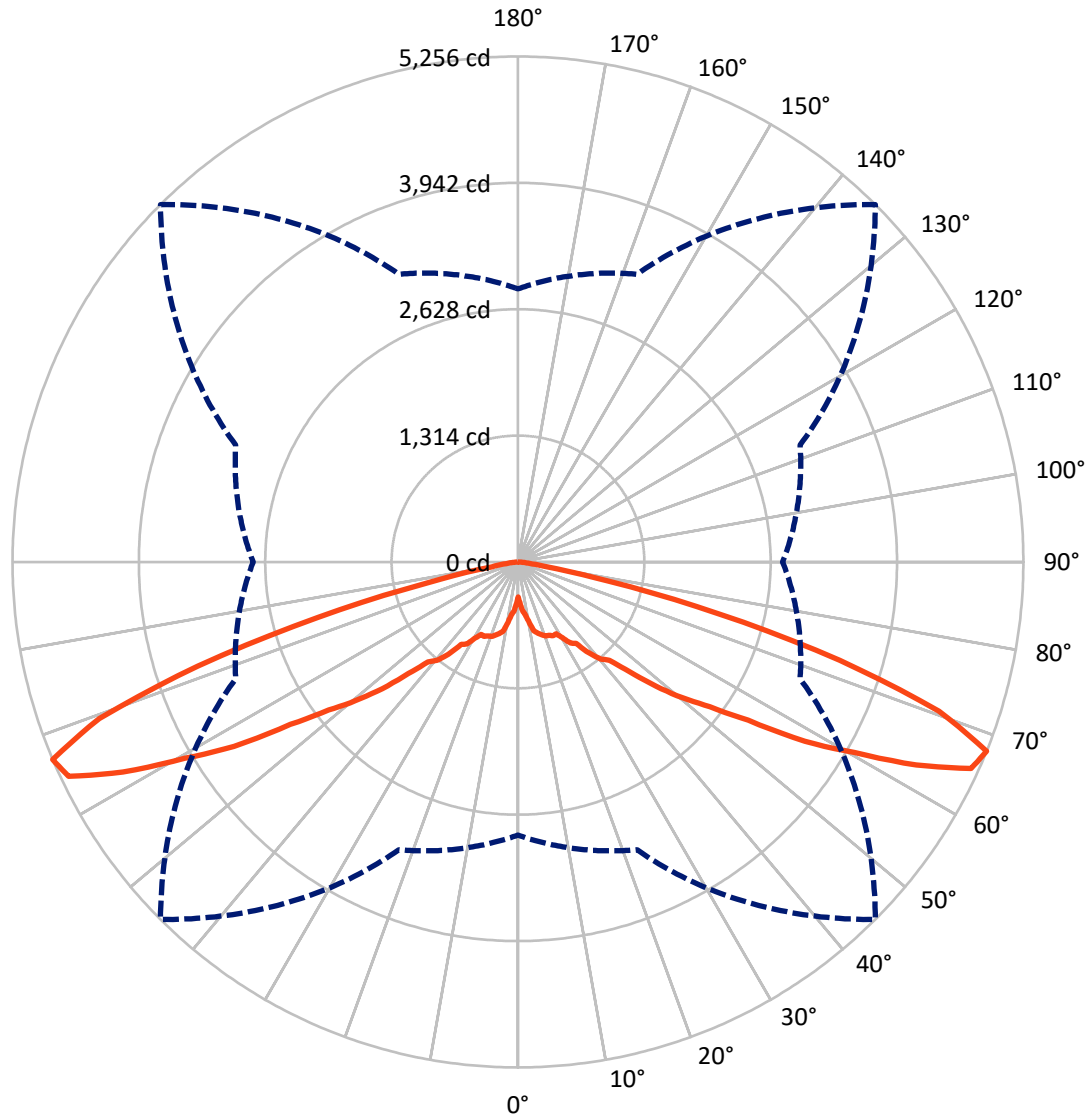
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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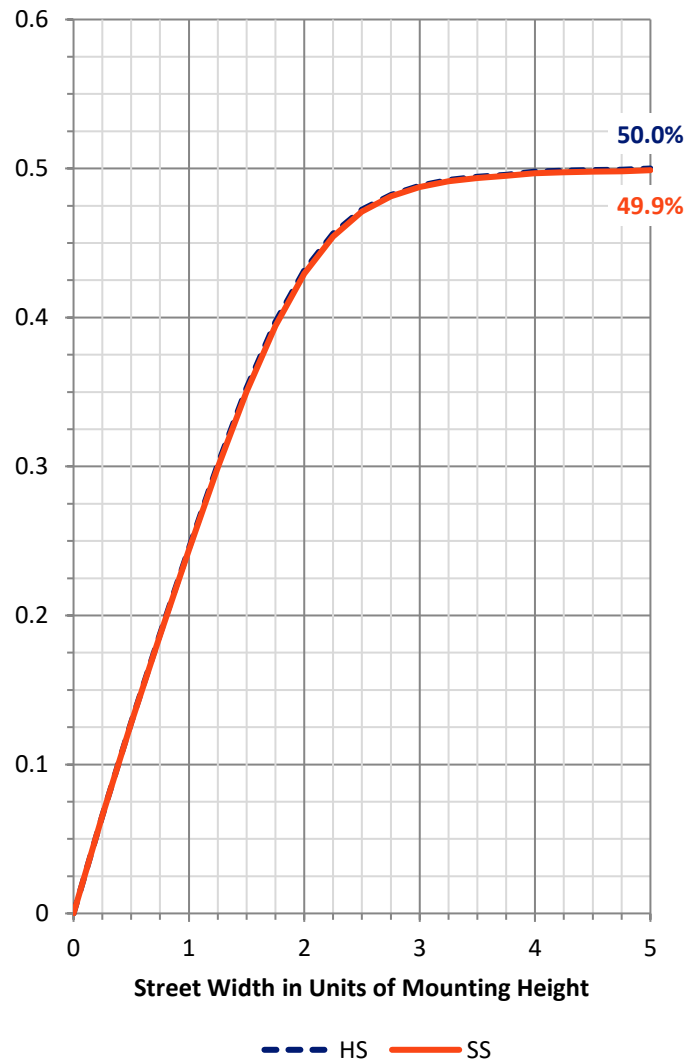
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5283.0	0.0	5283.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5283.0	0.0	5283.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10566.0	0.0	10566.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	0.5
10°-20°	213.5	2.0
20°-30°	407.3	3.9
30°-40°	744.7	7.0
40°-50°	1444.0	13.7
50°-60°	2757.5	26.1
60°-70°	3725.6	35.3
70°-80°	1157.1	11.0
80°-90°	62.3	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°	10566.0	100.0
0°-180°	10566.0	100.0



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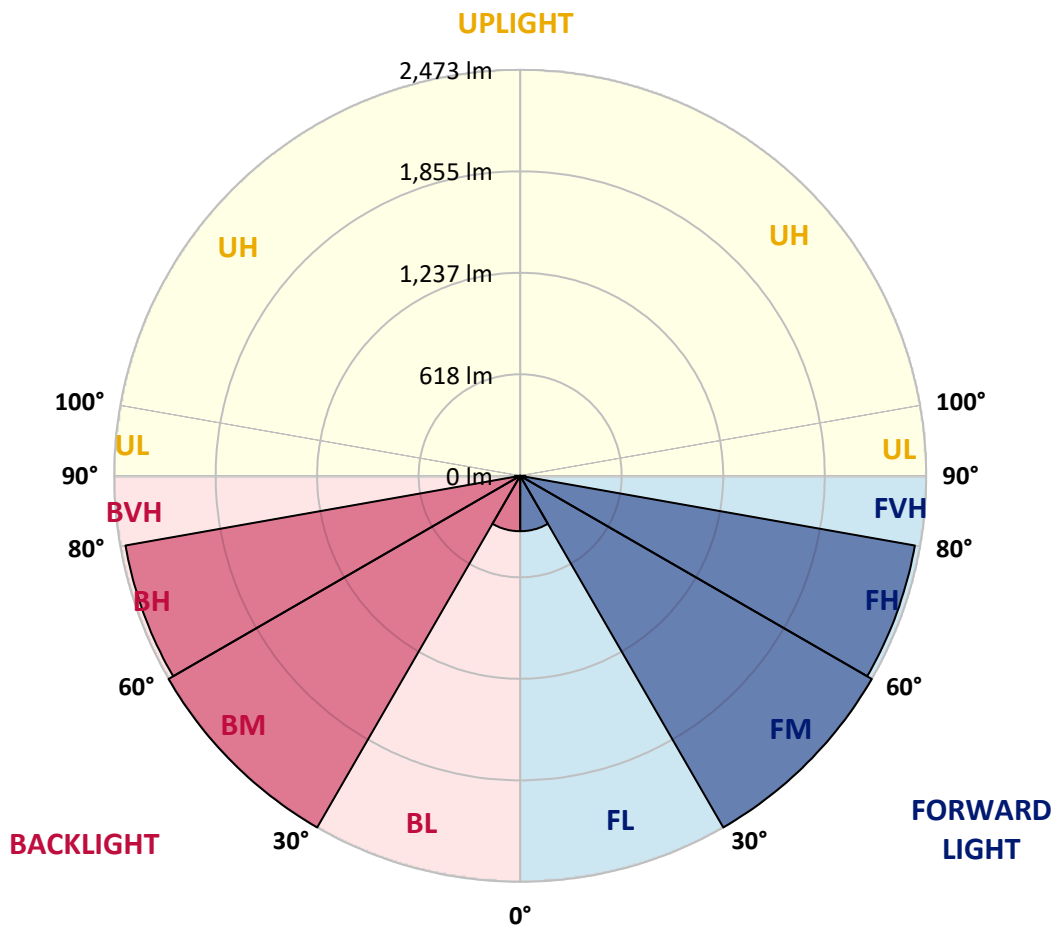
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	337.4	3.2			
FM (30°-60°)	2473.1	23.4			
FH (60°-80°)	2441.4	23.1			G2/5000
FVH (80°-90°)	31.2	0.3			G1/100
BL (0°-30°)	337.4	3.2	B1/500		
BM (30°-60°)	2473.1	23.4	B2/2500		
BH (60°-80°)	2441.4	23.1	B3/2500		G2/5000
BVH (80°-90°)	31.2	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°	22.5°	45°	67.5°	90°
0°	362.1	362.1	362.1	362.1	362.1
2.5°	445.8	417.2	430.2	417.2	445.8
5°	566.6	536.8	510.7	529.4	568.2
7.5°	651.1	606.6	551.5	601.7	647.4
10°	665.4	640.5	638.0	637.6	663.7
12.5°	718.8	702.1	735.6	703.7	720.5
15°	760.5	751.1	766.2	762.9	762.1
17.5°	825.0	761.3	795.6	757.6	822.9
20°	853.5	763.3	820.9	758.8	853.1
22.5°	888.6	811.5	828.6	813.5	885.4
25°	908.6	842.5	848.6	843.3	909.1
27.5°	990.7	911.1	845.8	922.1	1005.8
30°	1053.1	955.6	912.7	956.8	1060.9
32.5°	1143.4	1022.1	1005.4	1038.5	1157.6
35°	1255.2	1134.0	1040.1	1134.4	1278.9
37.5°	1474.4	1235.6	1202.5	1271.5	1490.7
40°	1629.1	1396.0	1325.4	1421.8	1655.6
42.5°	1866.7	1576.0	1396.9	1589.1	1907.5
45°	2087.9	1794.4	1624.6	1809.5	2117.7
47.5°	2321.8	1994.9	1931.2	2013.6	2343.9
50°	2598.2	2266.3	2221.8	2287.5	2607.6
52.5°	2924.3	2629.6	2498.2	2641.9	2927.6
55°	3311.7	2934.5	2905.1	2968.0	3316.6
57.5°	3690.5	3329.7	3518.2	3333.3	3624.8
60°	3960.7	3693.8	4022.4	3599.9	3815.0
62.5°	3977.9	3963.6	4650.2	3804.4	3774.2
65°	3607.2	3854.6	5175.9	3730.1	3426.0
67.5°	2839.4	3238.2	5255.5	3175.4	2752.5
70°	1784.2	2242.2	4646.1	2328.4	1834.8
72.5°	822.9	1208.3	3498.7	1360.1	869.9
75°	294.7	462.5	2158.5	496.8	308.2
77.5°	167.4	187.4	954.0	188.2	173.1
80°	107.8	116.7	275.5	123.3	104.9
82.5°	61.2	81.6	120.8	86.5	56.3
85°	33.1	51.8	53.5	53.1	33.1
87.5°	11.8	20.4	11.8	23.3	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)