

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: P366731

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

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366731
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-SA1B-727-U-5MQ
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4562 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

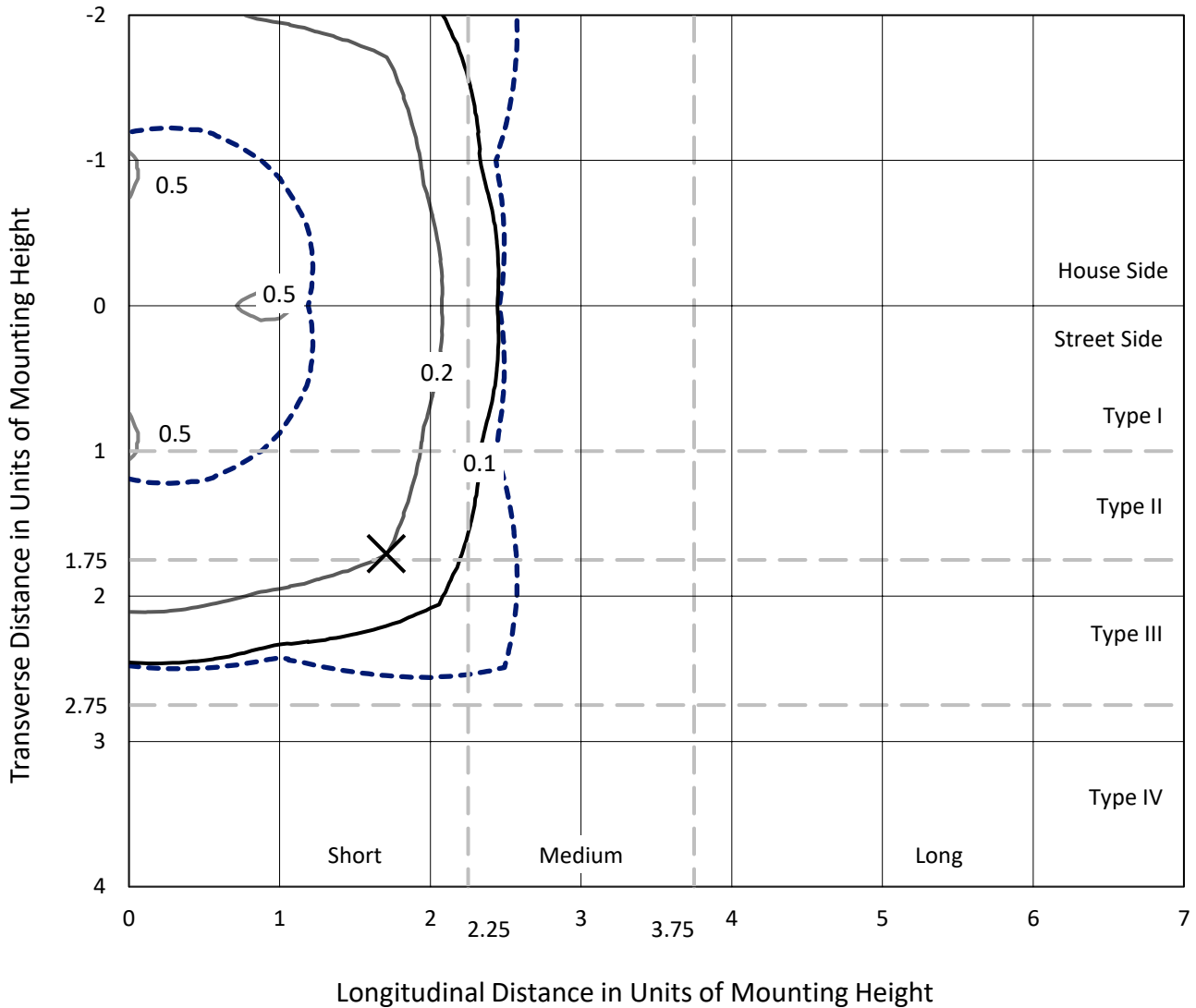
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

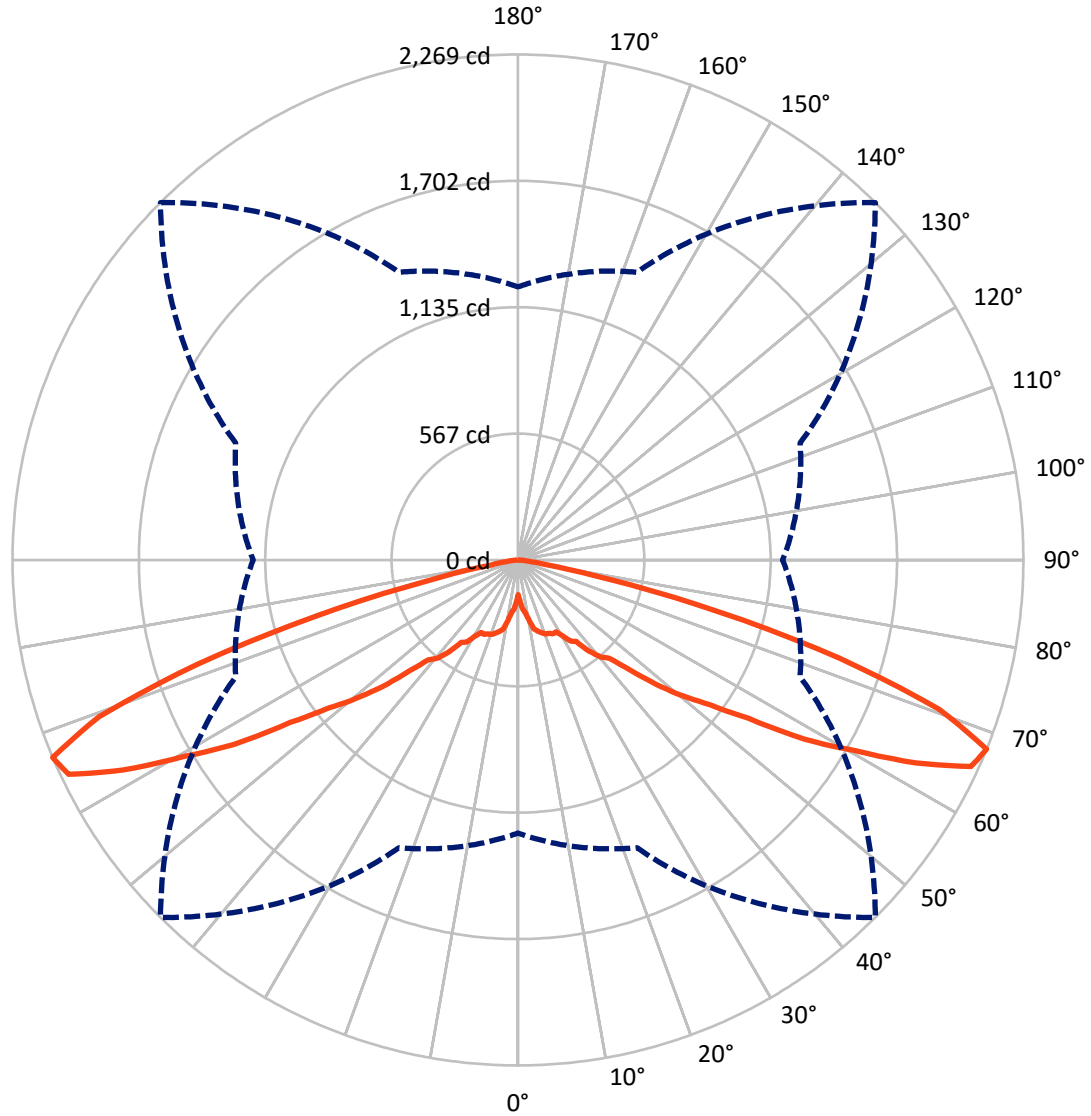
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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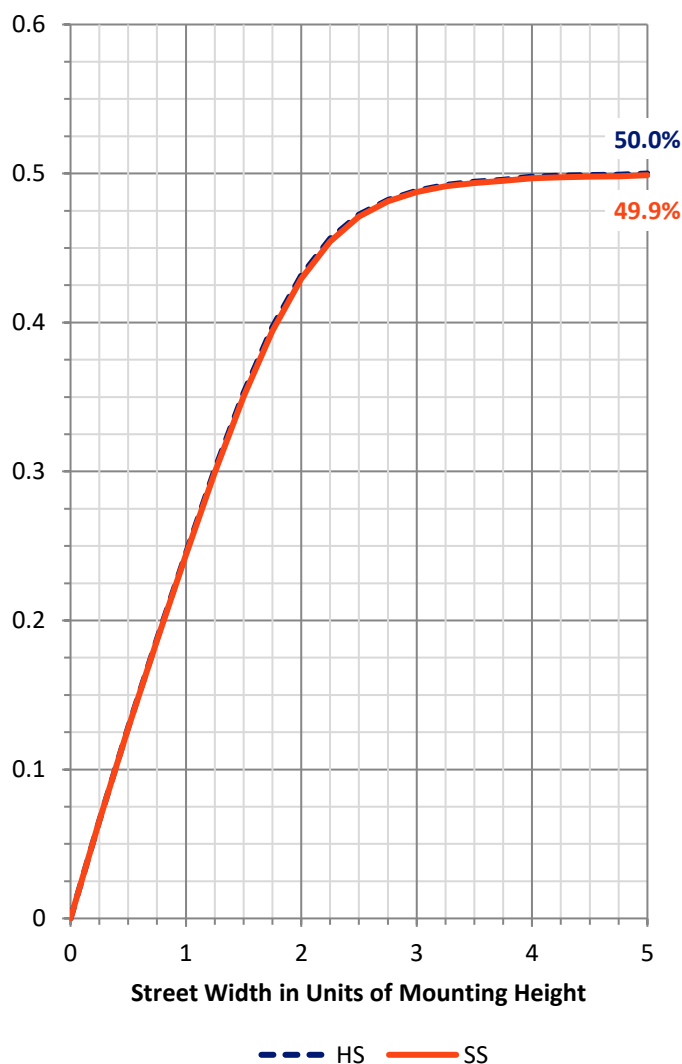
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2281.0	0.0	2281.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2281.0	0.0	2281.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4562.0	0.0	4562.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.5
10°-20°	92.2	2.0
20°-30°	175.9	3.9
30°-40°	321.5	7.0
40°-50°	623.5	13.7
50°-60°	1190.6	26.1
60°-70°	1608.6	35.3
70°-80°	499.6	11.0
80°-90°	26.9	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°	4562.0	100.0
0°-180°	4562.0	100.0

Coefficient of Utilization



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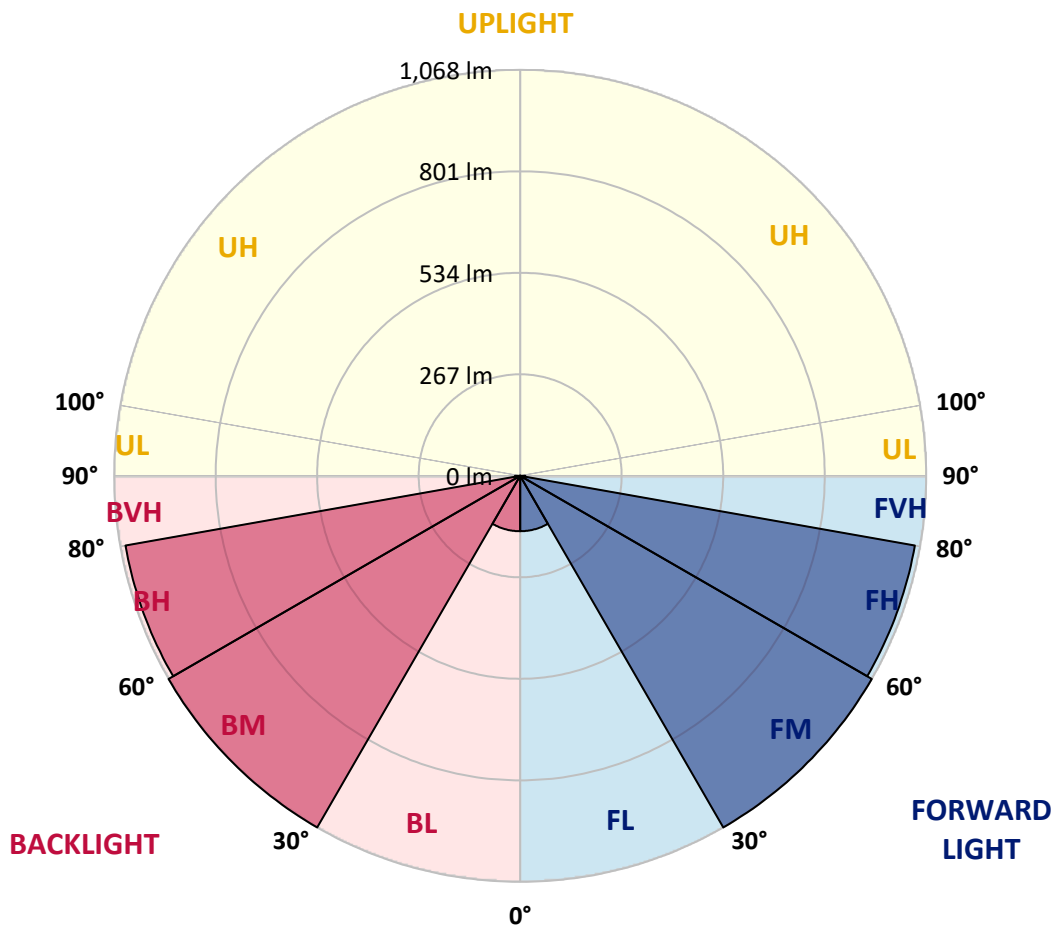
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.7	3.2			
FM (30°-60°)	1067.8	23.4			
FH (60°-80°)	1054.1	23.1			G1/1800
FVH (80°-90°)	13.5	0.3			G1/100
BL (0°-30°)	145.7	3.2	B1/500		
BM (30°-60°)	1067.8	23.4	B2/2500		
BH (60°-80°)	1054.1	23.1	B3/2500		G1/1800
BVH (80°-90°)	13.5	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	156.3	156.3	156.3	156.3	156.3
2.5°	192.5	180.1	185.8	180.1	192.5
5°	244.6	231.8	220.5	228.6	245.3
7.5°	281.1	261.9	238.1	259.8	279.5
10°	287.3	276.5	275.5	275.3	286.6
12.5°	310.4	303.1	317.6	303.8	311.1
15°	328.3	324.3	330.8	329.4	329.0
17.5°	356.2	328.7	343.5	327.1	355.3
20°	368.5	329.6	354.4	327.6	368.4
22.5°	383.7	350.4	357.8	351.3	382.3
25°	392.3	363.8	366.4	364.1	392.5
27.5°	427.7	393.4	365.2	398.1	434.3
30°	454.7	412.6	394.1	413.1	458.1
32.5°	493.7	441.3	434.1	448.4	499.8
35°	542.0	489.6	449.1	489.8	552.2
37.5°	636.6	533.5	519.2	549.0	643.6
40°	703.4	602.8	572.3	613.9	714.8
42.5°	806.0	680.5	603.1	686.1	823.6
45°	901.5	774.8	701.5	781.3	914.4
47.5°	1002.5	861.3	833.8	869.4	1012.0
50°	1121.8	978.5	959.3	987.7	1125.8
52.5°	1262.6	1135.4	1078.6	1140.7	1264.0
55°	1429.9	1267.0	1254.3	1281.5	1432.0
57.5°	1593.4	1437.6	1519.0	1439.2	1565.0
60°	1710.1	1594.8	1736.7	1554.3	1647.2
62.5°	1717.5	1711.3	2007.8	1642.6	1629.6
65°	1557.5	1664.3	2234.8	1610.5	1479.2
67.5°	1226.0	1398.1	2269.1	1371.0	1188.4
70°	770.4	968.1	2006.0	1005.3	792.2
72.5°	355.3	521.7	1510.6	587.2	375.6
75°	127.2	199.7	932.0	214.5	133.1
77.5°	72.3	80.9	411.9	81.2	74.7
80°	46.5	50.4	119.0	53.2	45.3
82.5°	26.4	35.2	52.2	37.4	24.3
85°	14.3	22.4	23.1	22.9	14.3
87.5°	5.1	8.8	5.1	10.0	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)