

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: P366709

Luminaire Tested: **PMM-SA1A-830-U-5MQ**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P366709
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-SA1A-830-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: 3459 lumens
Efficiency: N/A
Efficacy: 101.7 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

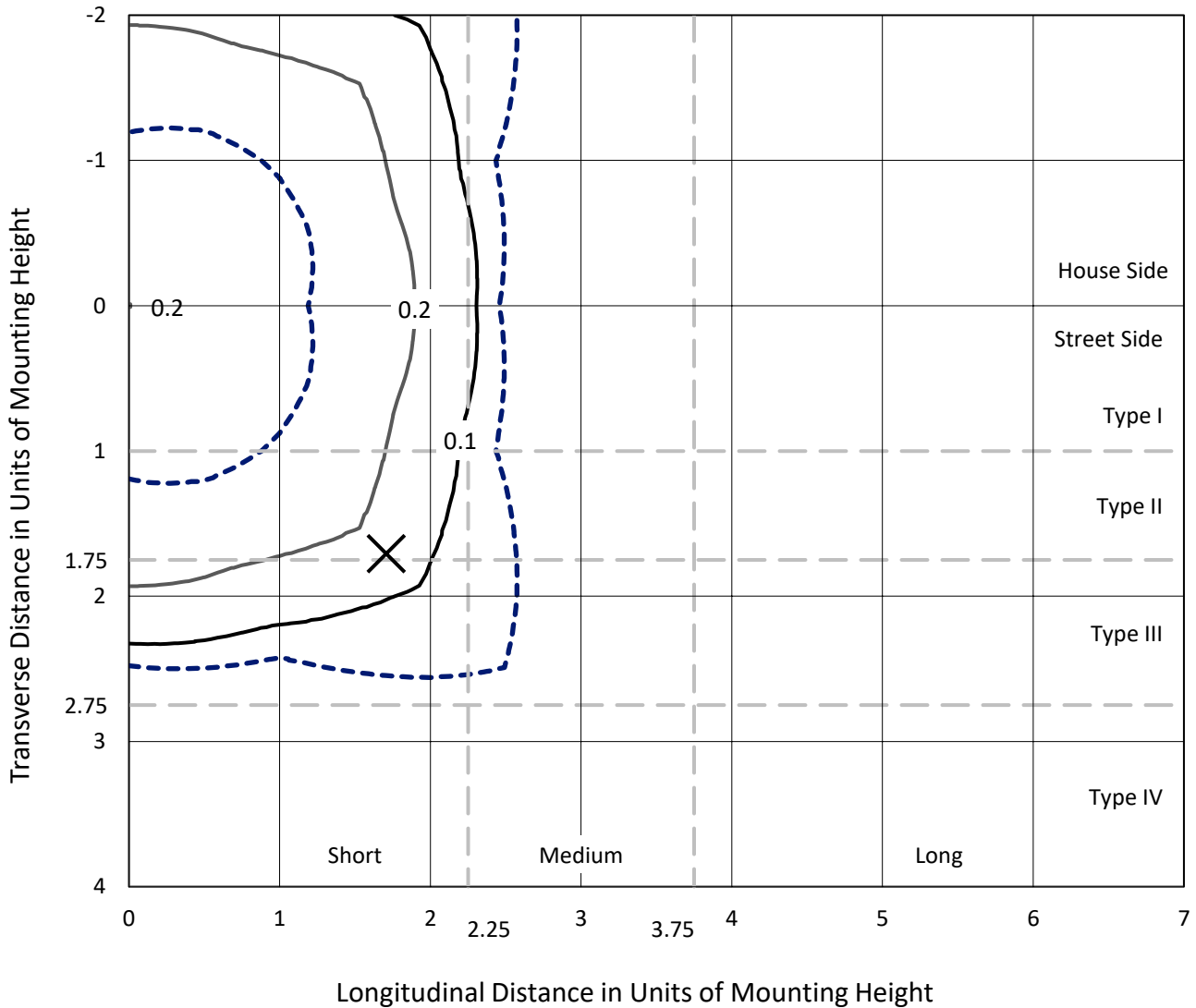
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

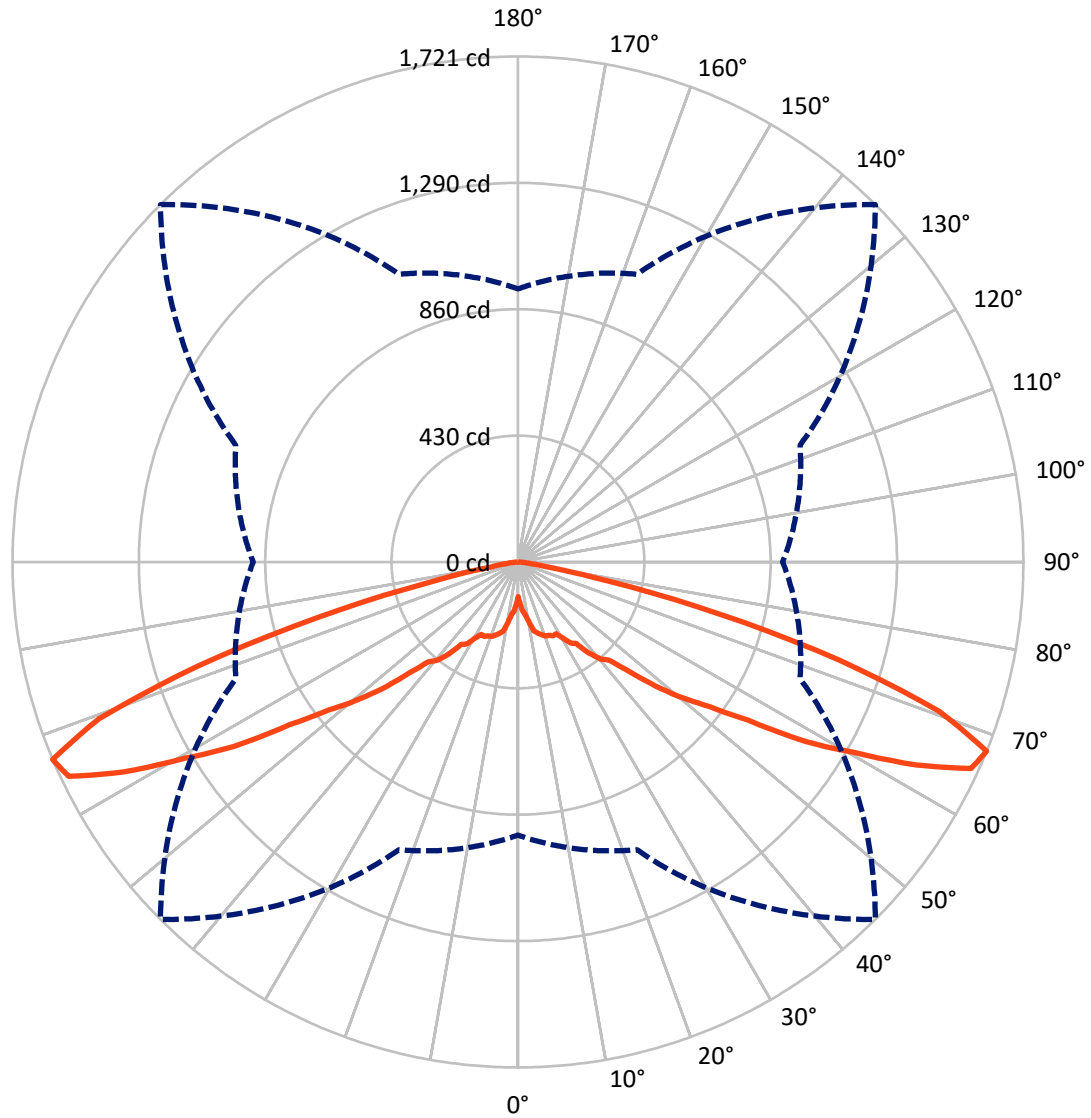
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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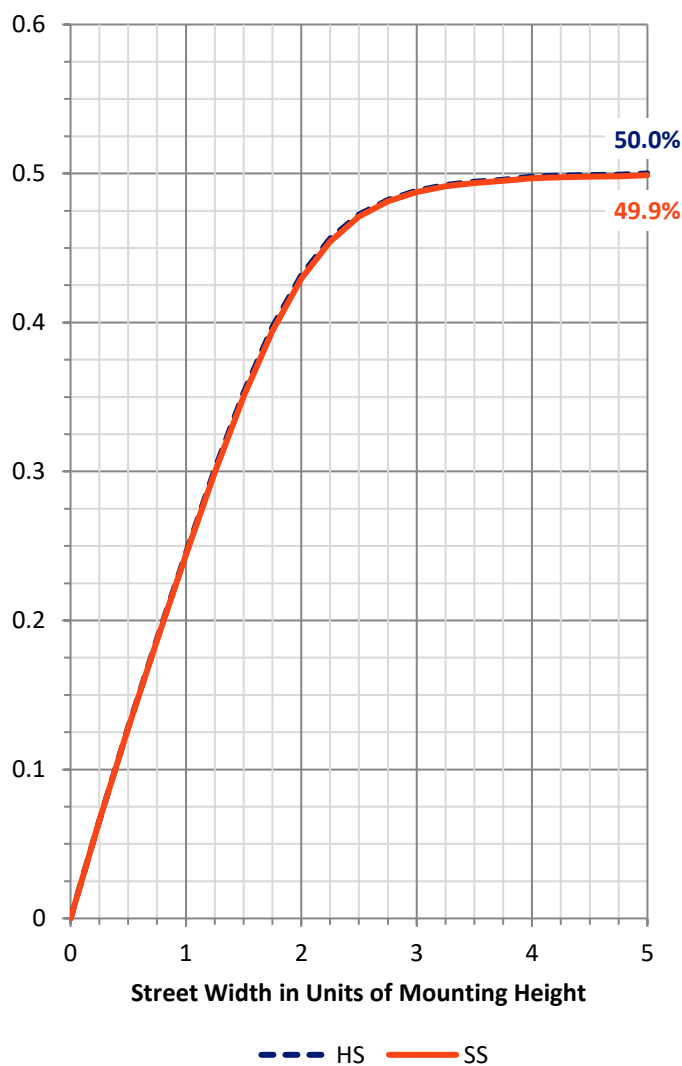
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1729.5	0.0	1729.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1729.5	0.0	1729.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3459.0	0.0	3459.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.5
10°-20°	69.9	2.0
20°-30°	133.3	3.9
30°-40°	243.8	7.0
40°-50°	472.7	13.7
50°-60°	902.7	26.1
60°-70°	1219.7	35.3
70°-80°	378.8	11.0
80°-90°	20.4	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°	3459.0	100.0
0°-180°	3459.0	100.0

Coefficient of Utilization



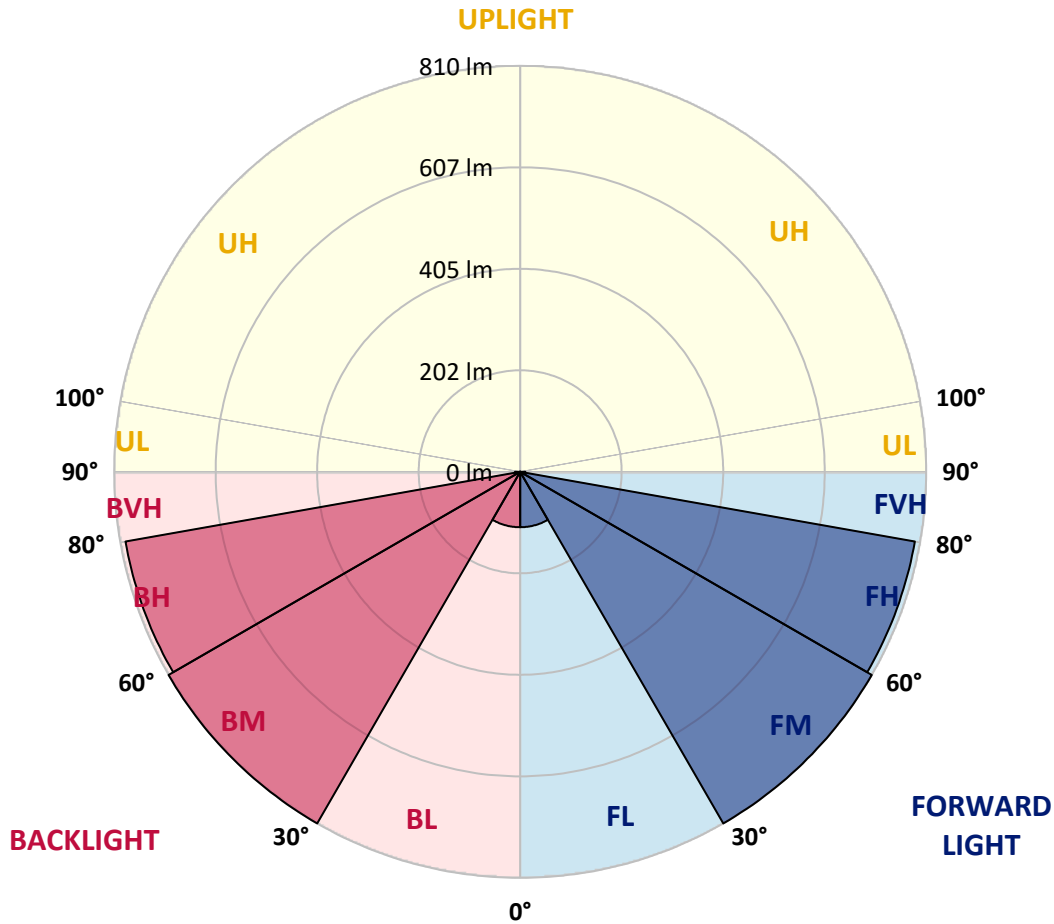
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.5	3.2			
FM (30°-60°)	809.6	23.4			
FH (60°-80°)	799.2	23.1			G1/1800
FVH (80°-90°)	10.2	0.3			G1/100
BL (0°-30°)	110.5	3.2	B1/500		
BM (30°-60°)	809.6	23.4	B1/1000		
BH (60°-80°)	799.2	23.1	B2/1000		G1/1800
BVH (80°-90°)	10.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	118.5	118.5	118.5	118.5	118.5
2.5°	145.9	136.6	140.8	136.6	145.9
5°	185.5	175.7	167.2	173.3	186.0
7.5°	213.1	198.6	180.5	197.0	211.9
10°	217.8	209.7	208.9	208.7	217.3
12.5°	235.3	229.8	240.8	230.4	235.9
15°	249.0	245.9	250.8	249.8	249.5
17.5°	270.1	249.2	260.4	248.0	269.4
20°	279.4	249.9	268.7	248.4	279.3
22.5°	290.9	265.7	271.3	266.3	289.8
25°	297.5	275.8	277.8	276.1	297.6
27.5°	324.3	298.3	276.9	301.9	329.3
30°	344.8	312.8	298.8	313.2	347.3
32.5°	374.3	334.6	329.1	340.0	379.0
35°	410.9	371.2	340.5	371.4	418.7
37.5°	482.7	404.5	393.7	416.3	488.0
40°	533.3	457.0	433.9	465.4	542.0
42.5°	611.1	516.0	457.3	520.2	624.5
45°	683.5	587.4	531.9	592.4	693.3
47.5°	760.1	653.1	632.2	659.2	767.3
50°	850.6	741.9	727.4	748.9	853.6
52.5°	957.3	860.9	817.8	864.9	958.4
55°	1084.2	960.7	951.1	971.6	1085.8
57.5°	1208.2	1090.0	1151.8	1091.2	1186.7
60°	1296.6	1209.2	1316.8	1178.5	1248.9
62.5°	1302.2	1297.6	1522.3	1245.4	1235.6
65°	1180.9	1261.9	1694.5	1221.1	1121.6
67.5°	929.5	1060.1	1720.5	1039.5	901.1
70°	584.1	734.0	1521.0	762.2	600.7
72.5°	269.4	395.6	1145.4	445.3	284.8
75°	96.5	151.4	706.6	162.6	100.9
77.5°	54.8	61.3	312.3	61.6	56.7
80°	35.3	38.2	90.2	40.4	34.3
82.5°	20.0	26.7	39.6	28.3	18.4
85°	10.8	17.0	17.5	17.4	10.8
87.5°	3.9	6.7	3.9	7.6	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)