

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P367899

Luminaire Tested: **PMM-SA3B-830-U-5WQ**

Issue Date: 12/2/2019

Report Generated By 670245982

**Test Information**

Test Method: LM-79-08  
Report Number: P367899  
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-SA3B-830-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**

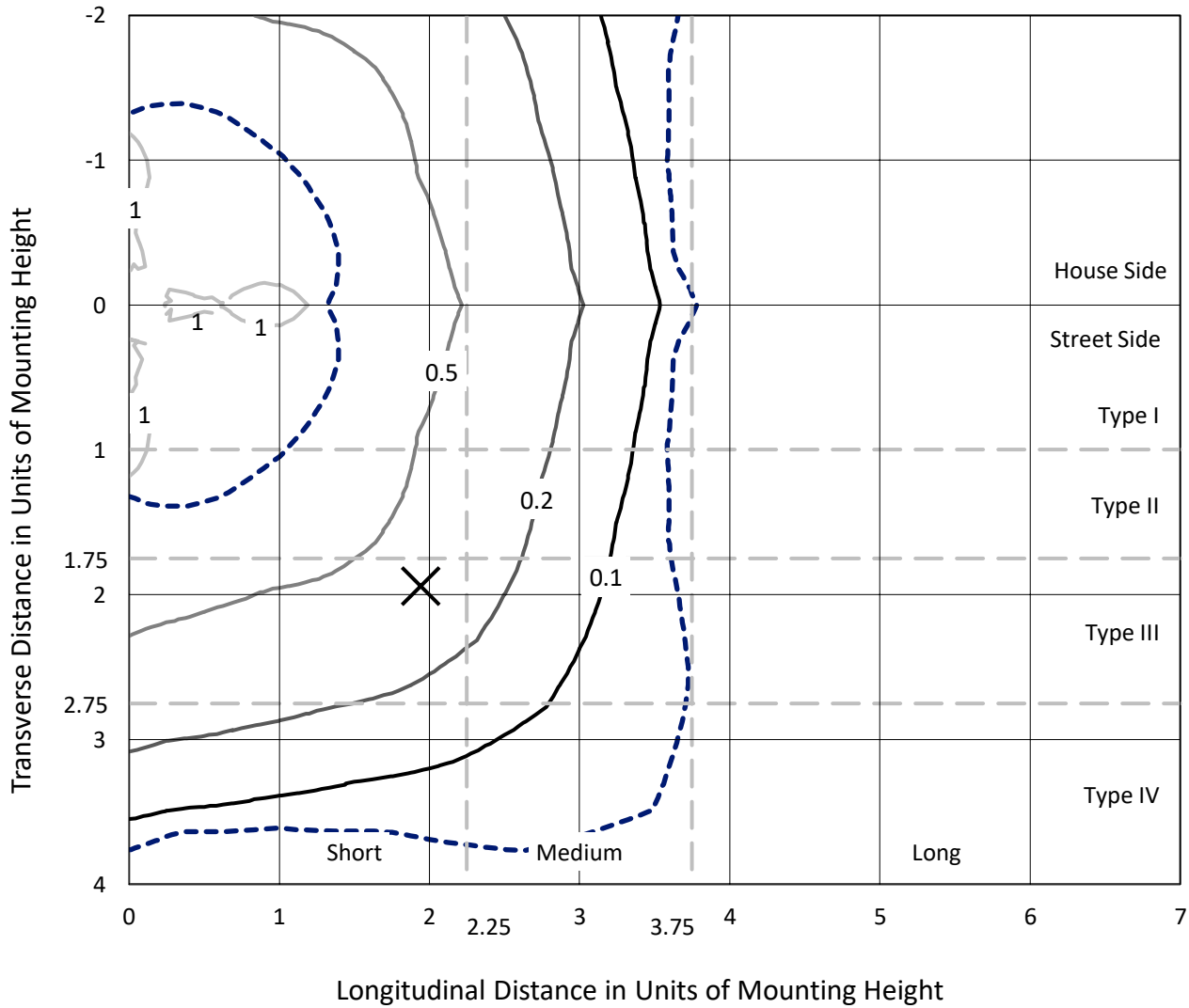
Lumens per Lamp: N/A  
Luminaire Lumens: 12531 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 126  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

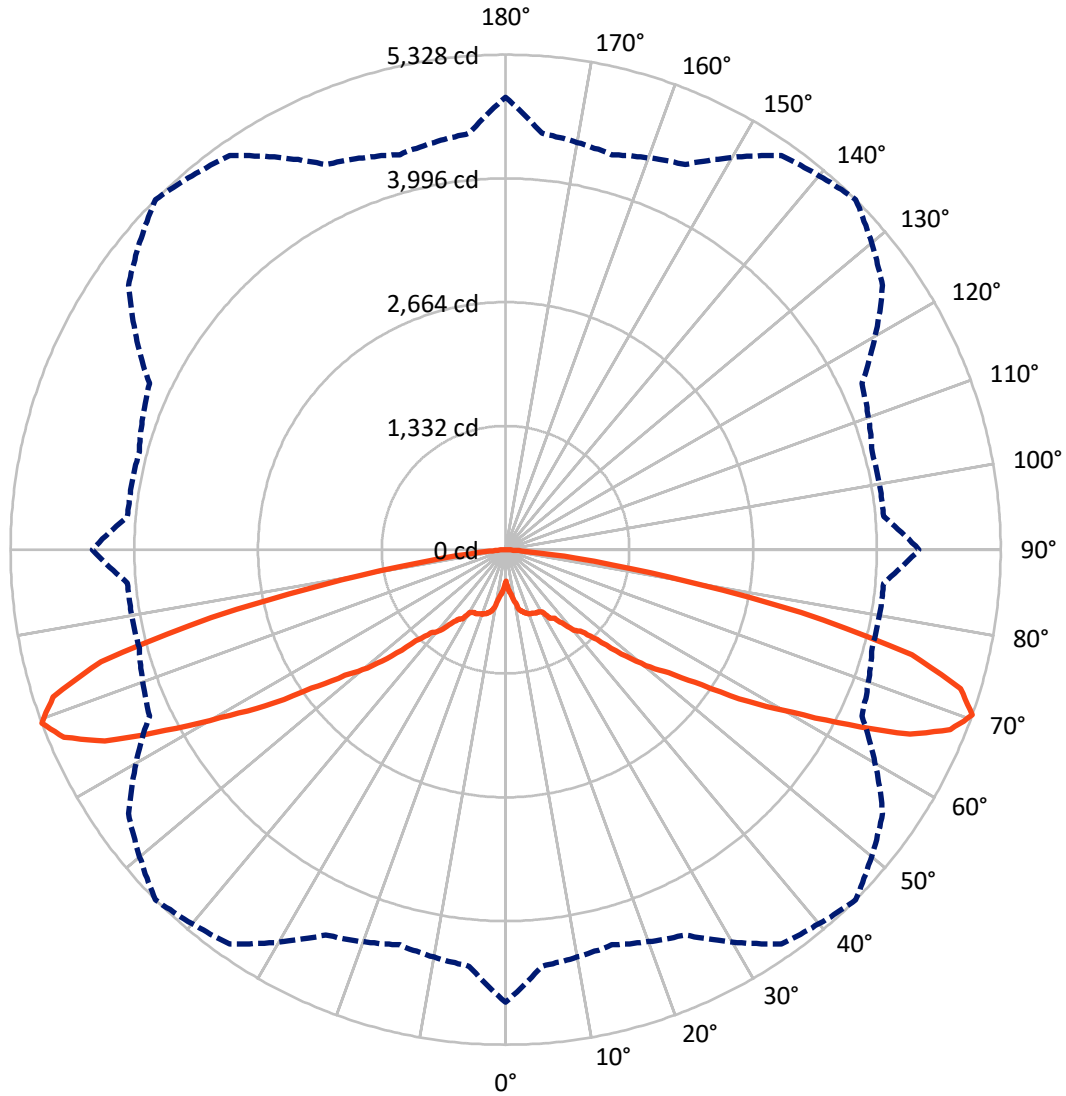
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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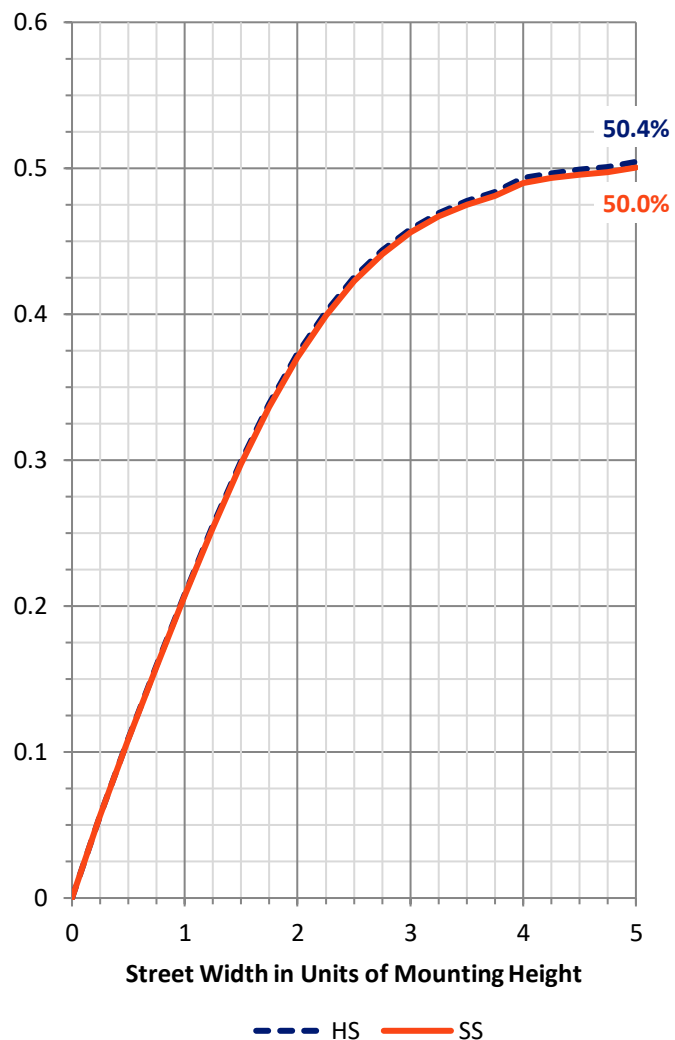
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6265.5	0.0	6265.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6265.5	0.0	6265.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12531.0	0.0	12531.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.3	0.4
10°-20°	197.3	1.6
20°-30°	372.9	3.0
30°-40°	649.6	5.2
40°-50°	1241.8	9.9
50°-60°	2408.0	19.2
60°-70°	4216.5	33.6
70°-80°	3168.9	25.3
80°-90°	226.7	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°	12531.0	100.0
0°-180°	12531.0	100.0

**Coefficient of Utilization**

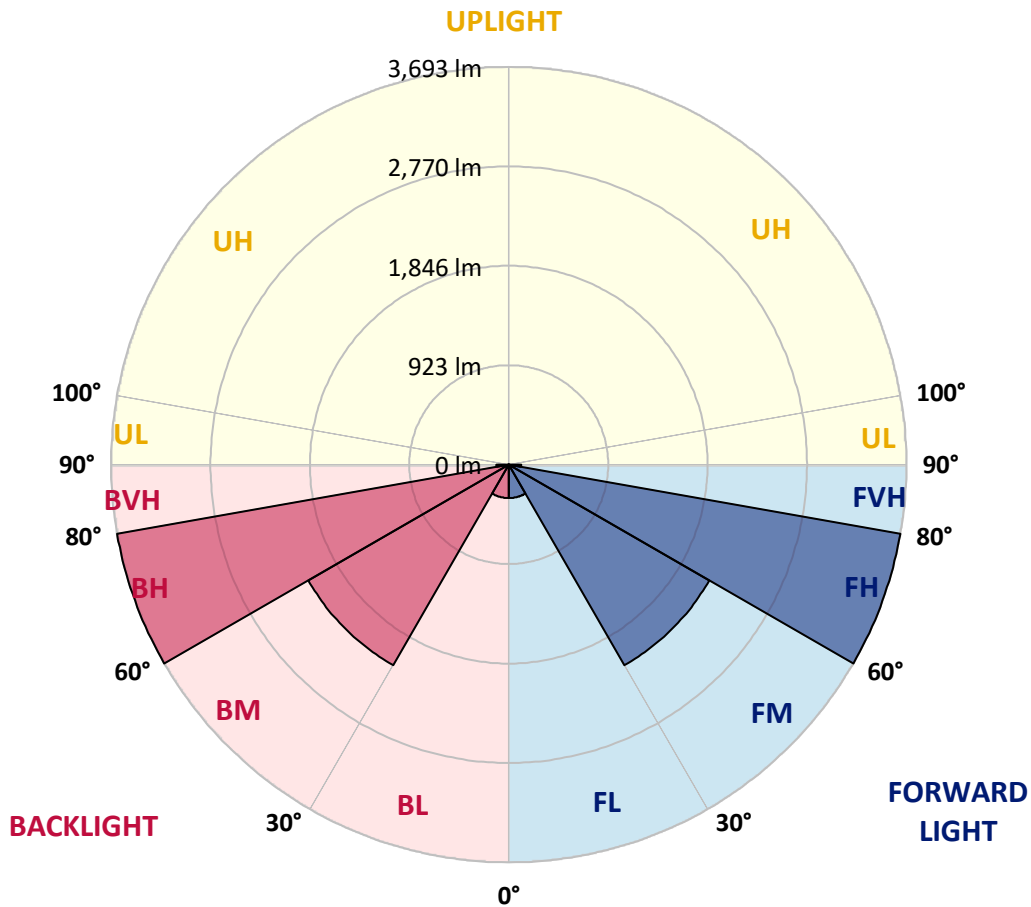


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.7	2.5			
FM (30°-60°)	2149.7	17.2			
FH (60°-80°)	3692.7	29.5			G2/5000
FVH (80°-90°)	113.4	0.9			G2/225
BL (0°-30°)	309.7	2.5	B1/500		
BM (30°-60°)	2149.7	17.2	B2/2500		
BH (60°-80°)	3692.7	29.5	B4/5000		G2/5000
BVH (80°-90°)	113.4	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	338.8	338.8	338.8	338.8	338.8	338.8	338.8	338.8	338.8	338.8	338.8
2.5°	412.2	405.9	386.0	387.0	396.2	397.2	398.1	386.0	383.1	407.9	409.3
5°	523.6	509.0	494.4	488.6	479.8	455.5	482.2	485.2	491.0	509.9	518.7
7.5°	597.9	579.9	560.0	547.9	524.0	504.1	526.0	544.0	555.6	577.0	589.2
10°	612.0	601.3	600.4	579.0	574.6	581.9	580.4	580.9	598.4	598.9	606.2
12.5°	656.3	664.0	649.0	641.7	646.1	664.0	649.5	643.1	647.5	667.4	659.2
15°	714.1	723.4	700.5	688.8	677.2	694.2	679.1	690.3	704.4	719.0	711.7
17.5°	778.3	778.8	747.7	704.4	714.6	717.0	711.7	702.5	742.8	777.8	774.4
20°	813.3	812.8	759.3	700.5	730.6	736.0	731.1	699.5	760.3	808.4	807.0
22.5°	849.3	838.6	774.4	726.8	737.9	742.3	731.1	728.2	774.4	841.5	841.0
25°	868.7	877.9	807.5	777.8	768.6	758.4	768.1	772.9	817.2	882.8	863.8
27.5°	929.5	914.4	817.2	814.3	794.8	754.5	788.0	811.8	814.3	920.2	939.7
30°	984.4	990.2	860.9	865.3	829.8	778.8	830.8	868.7	876.0	991.2	989.3
32.5°	1042.7	1045.2	938.7	893.5	878.4	876.5	856.6	889.6	947.0	1039.3	1043.2
35°	1131.2	1151.1	1008.2	947.5	928.5	909.1	926.6	956.2	1009.7	1148.2	1138.5
37.5°	1333.9	1302.3	1159.4	1033.5	1020.9	1013.1	1027.2	1048.6	1157.9	1305.7	1350.9
40°	1475.4	1460.3	1265.9	1175.9	1096.2	1138.0	1105.0	1187.6	1278.0	1461.3	1490.5
42.5°	1694.6	1627.5	1427.7	1316.4	1233.8	1204.1	1222.6	1330.5	1445.7	1649.9	1707.3
45°	1905.1	1801.6	1630.5	1532.3	1406.8	1375.7	1400.5	1527.4	1660.6	1822.0	1923.1
47.5°	2120.0	2013.0	1824.9	1683.0	1580.4	1673.2	1592.1	1712.6	1845.3	2033.0	2122.9
50°	2343.1	2224.5	2038.8	1884.2	1875.5	1957.6	1860.4	1922.1	2045.1	2239.6	2345.6
52.5°	2599.3	2471.5	2285.8	2181.2	2201.7	2196.3	2176.9	2165.7	2286.7	2477.8	2603.7
55°	2904.1	2766.1	2617.8	2569.7	2626.0	2565.3	2594.0	2590.1	2607.6	2744.2	2891.5
57.5°	3272.6	3116.5	2967.8	2957.1	3029.5	3086.9	3035.9	2962.4	2931.8	3064.5	3233.2
60°	3736.8	3545.3	3382.0	3348.4	3555.0	3554.5	3508.4	3344.1	3332.4	3482.6	3685.8
62.5°	4249.7	4016.4	3838.0	3784.5	4108.2	4144.7	4000.8	3706.2	3766.5	3887.5	4128.7
65°	4685.3	4404.8	4238.5	4223.9	4619.6	4780.6	4462.6	4059.6	4079.1	4179.7	4440.8
67.5°	4969.2	4631.3	4499.1	4569.6	5061.5	5162.2	4866.6	4295.9	4226.9	4268.7	4580.8
70°	4869.5	4498.1	4402.8	4574.0	5175.8	5327.9	4953.6	4229.8	4083.0	4084.9	4447.6
72.5°	4114.6	3761.1	3806.4	4120.4	4905.5	5118.9	4551.1	3820.5	3520.0	3512.7	3841.8
75°	2720.8	2484.6	2663.0	3152.5	4078.1	4514.6	3770.9	2994.5	2617.8	2495.3	2749.5
77.5°	1190.0	1159.9	1310.1	1863.3	2780.1	3253.6	2701.4	1956.2	1423.9	1184.2	1293.6
80°	318.9	312.1	391.8	706.8	1353.4	1791.9	1461.8	780.2	407.4	296.5	314.5
82.5°	116.2	119.1	145.4	197.9	445.8	754.5	485.6	228.0	154.1	126.4	126.4
85°	50.6	49.1	70.5	79.2	121.5	170.6	139.5	96.7	77.8	58.3	55.9
87.5°	13.6	17.0	23.8	24.8	31.6	25.8	36.9	34.0	29.2	20.4	16.5
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)