

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: P368338

Luminaire Tested: **PMM-SA4B-730-U-5NQ**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA4B-730-U-5NQ  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18106 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

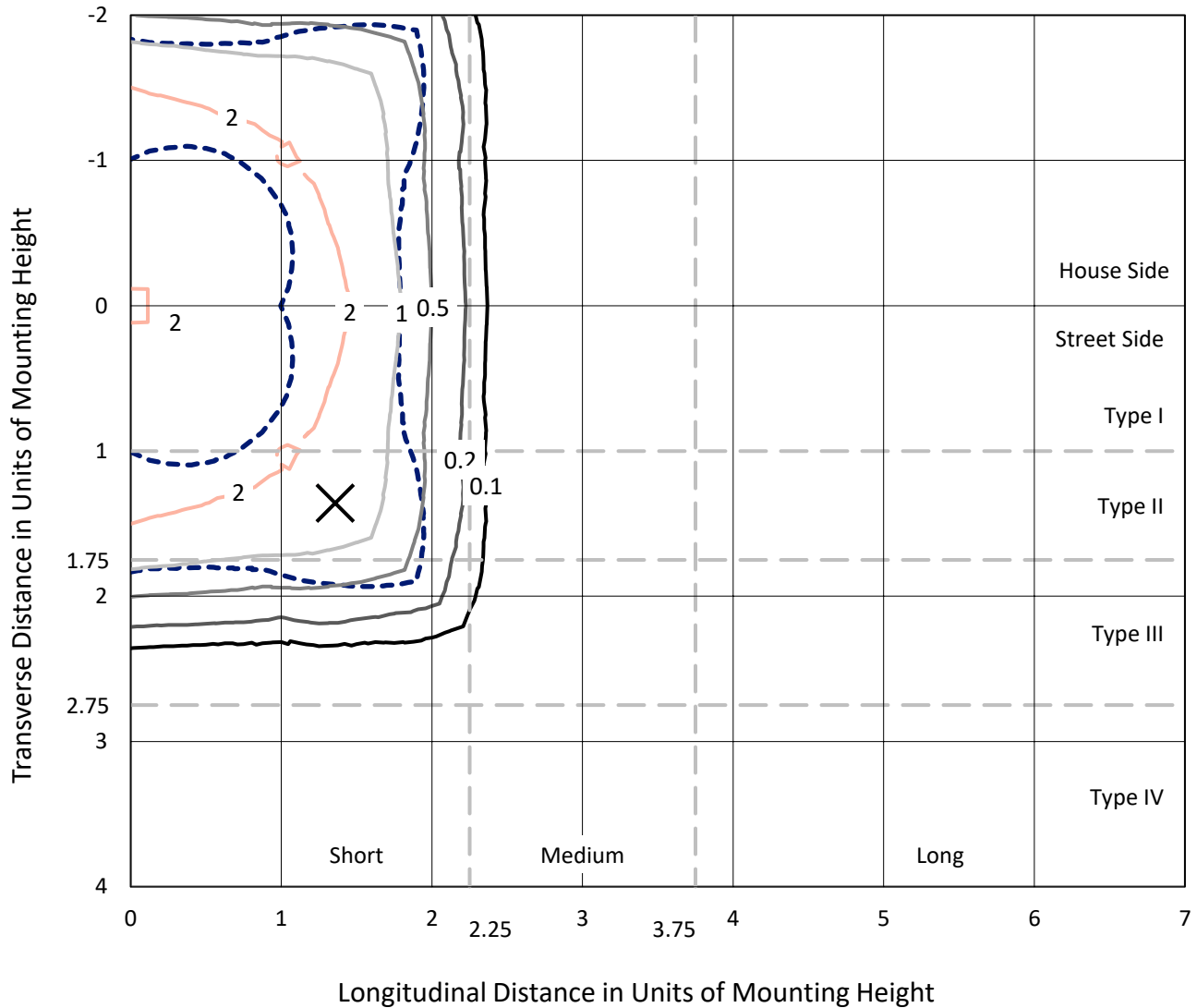
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

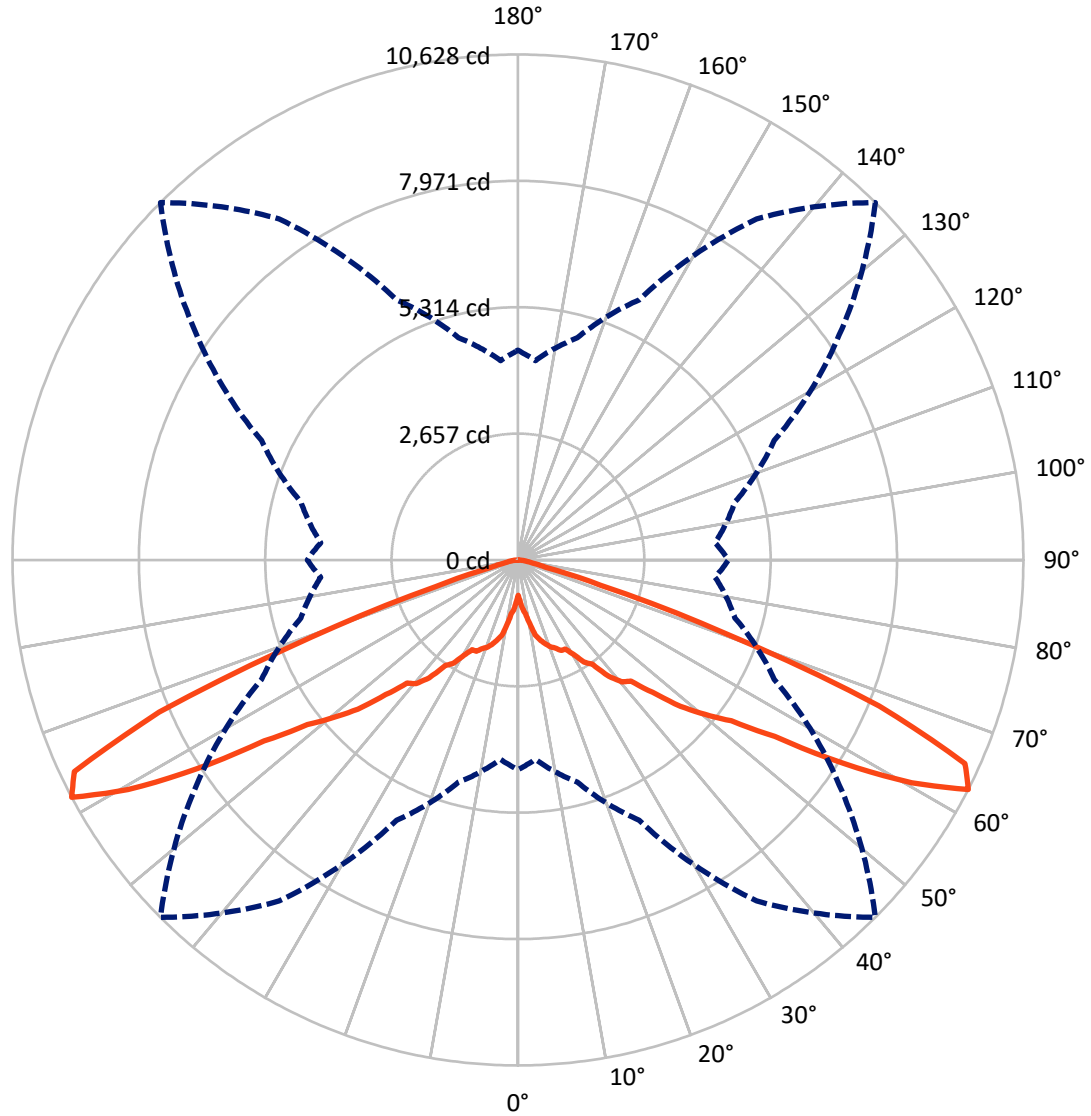
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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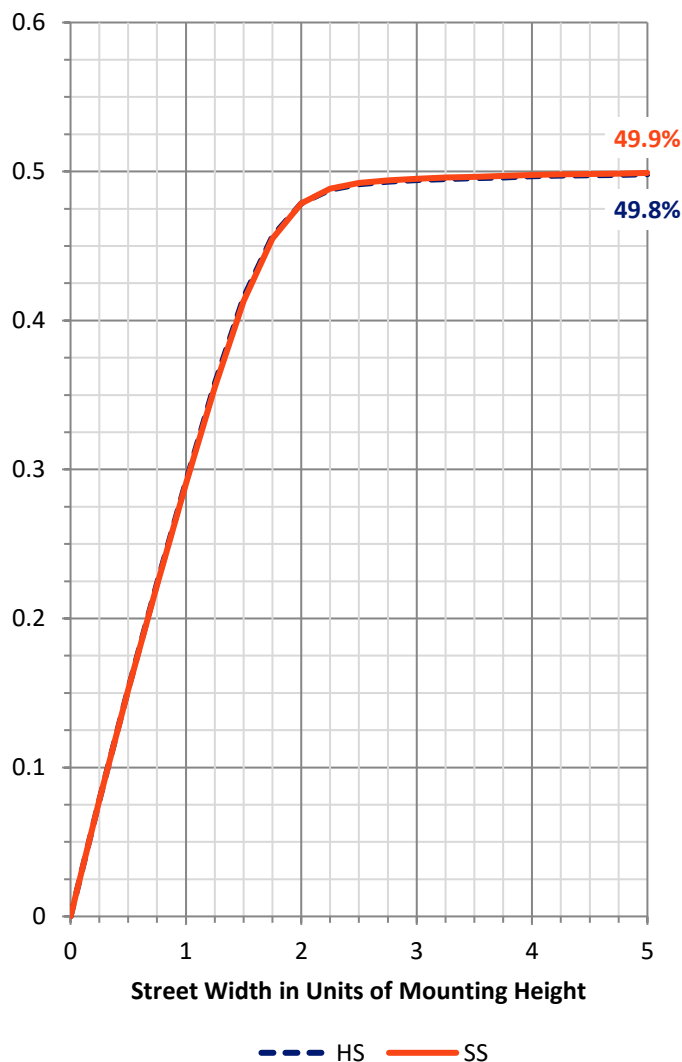
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9053.0	0.0	9053.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9053.0	0.0	9053.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18106.0	0.0	18106.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.6	0.6
10°-20°	492.0	2.7
20°-30°	1031.1	5.7
30°-40°	1942.8	10.7
40°-50°	3526.0	19.5
50°-60°	5957.8	32.9
60°-70°	4453.8	24.6
70°-80°	498.3	2.8
80°-90°	92.7	0.5
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°	18106.0	100.0
0°-180°	18106.0	100.0

**Coefficient of Utilization**

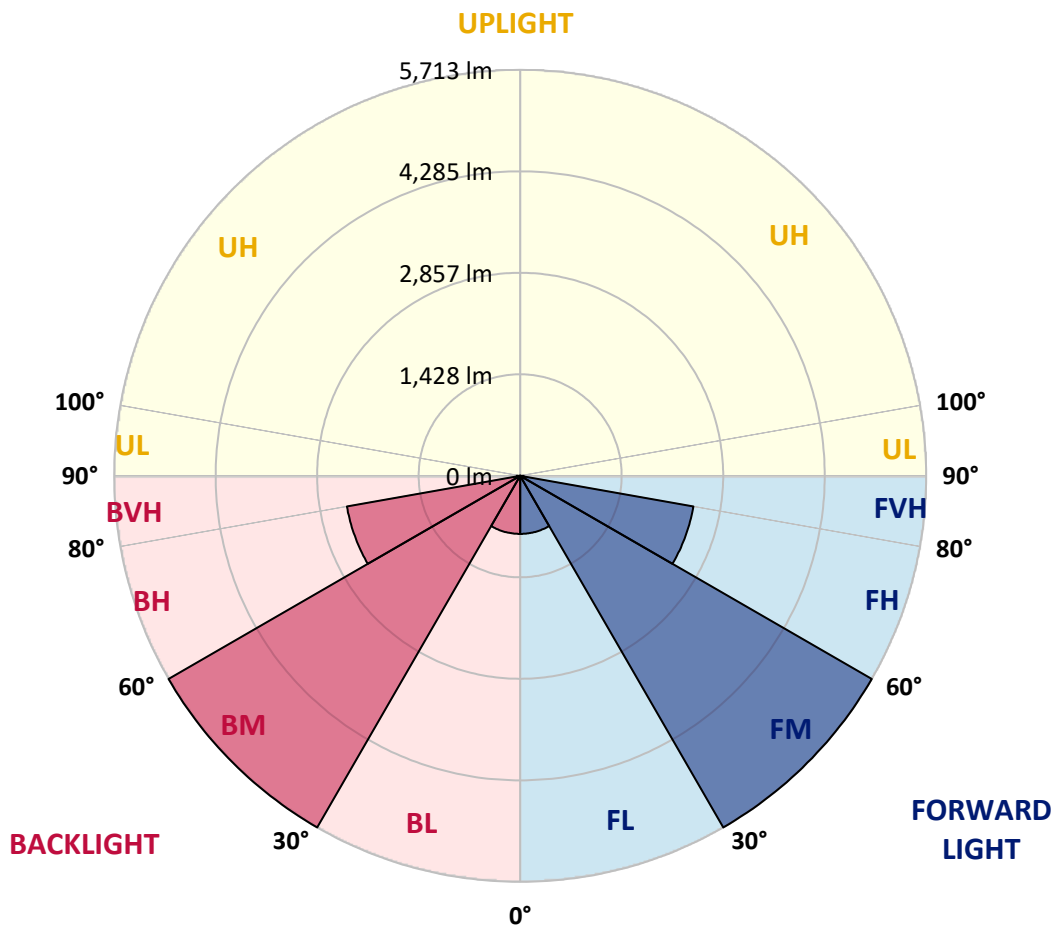


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	817.3	4.5			
FM (30°-60°)	5713.3	31.6			
FH (60°-80°)	2476.0	13.7			G2/5000
FVH (80°-90°)	46.4	0.3			G1/100
BL (0°-30°)	817.3	4.5	B2/1000		
BM (30°-60°)	5713.3	31.6	B4/8500		
BH (60°-80°)	2476.0	13.7	B3/2500		G2/5000
BVH (80°-90°)	46.4	0.3			G1/100
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°	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3	740.3
2.5°	900.2	883.9	827.2	847.1	867.7	864.8	859.6	844.2	830.2	888.4	900.2
5°	1147.7	1110.8	1090.9	1074.7	1071.0	1031.3	1085.8	1079.9	1098.3	1129.2	1159.4
7.5°	1345.1	1310.5	1258.2	1247.1	1187.4	1143.2	1190.4	1248.6	1267.0	1323.7	1357.6
10°	1417.3	1387.1	1396.6	1347.3	1344.3	1356.9	1346.5	1359.8	1408.4	1401.8	1426.8
12.5°	1579.3	1584.5	1553.5	1541.0	1566.1	1620.6	1574.2	1558.0	1546.2	1596.3	1611.7
15°	1731.1	1761.3	1710.4	1702.3	1692.0	1742.8	1692.8	1717.1	1738.4	1748.7	1742.8
17.5°	1946.2	1947.6	1890.9	1800.3	1834.2	1850.4	1828.3	1786.3	1887.2	1938.1	1941.0
20°	2087.6	2092.7	1980.8	1839.3	1935.1	1949.8	1938.8	1851.1	1985.2	2069.9	2066.2
22.5°	2240.1	2222.4	2070.6	1967.5	2001.4	2010.2	1986.7	1975.6	2069.9	2223.9	2201.0
25°	2342.5	2374.9	2223.9	2157.6	2128.8	2108.2	2138.4	2144.3	2240.8	2380.8	2303.4
27.5°	2587.0	2531.0	2294.6	2319.6	2258.5	2119.3	2251.9	2324.8	2304.2	2542.8	2601.0
30°	2804.3	2805.8	2474.3	2522.2	2408.8	2296.1	2439.7	2545.0	2519.3	2824.9	2769.7
32.5°	3082.0	3092.3	2784.4	2656.3	2579.7	2558.3	2540.6	2657.0	2817.6	3065.1	3070.2
35°	3381.8	3470.2	3051.8	2917.0	2786.6	2692.4	2794.0	2955.3	3059.9	3455.5	3385.5
37.5°	3966.0	3817.2	3474.7	3221.3	3138.0	3100.4	3154.2	3247.8	3473.9	3815.0	3935.0
40°	4311.5	4270.2	3803.9	3591.8	3270.6	3370.8	3341.3	3597.7	3784.8	4293.8	4304.8
42.5°	4839.6	4631.9	4212.7	3943.1	3654.4	3480.5	3664.7	4008.7	4234.8	4665.0	4868.3
45°	5257.3	4990.6	4667.2	4462.5	4097.8	3968.9	4035.2	4475.7	4759.3	5054.7	5322.1
47.5°	5719.1	5430.4	5107.0	4743.1	4387.3	4597.3	4480.1	4867.6	5144.6	5568.1	5818.6
50°	6299.6	5979.9	5565.9	5265.4	5029.7	5103.3	5084.9	5361.1	5702.9	6088.9	6373.3
52.5°	6939.0	6577.3	6178.1	5898.9	5799.4	5616.7	5855.4	5968.9	6220.8	6574.4	6908.0
55°	7386.1	7024.4	6782.8	6872.7	6846.2	6553.0	6762.2	6774.0	6652.4	6779.9	7115.8
57.5°	7316.9	6971.4	6938.3	7277.8	7785.4	8069.0	7745.6	7050.2	6595.0	6535.3	6891.1
60°	6397.6	6102.2	6405.7	7171.8	8650.2	9513.5	8268.6	6841.8	6091.9	5781.8	6125.0
62.5°	4408.7	4209.1	4838.1	6035.9	8754.0	10628.0	8249.4	5945.3	4724.7	4161.9	4428.6
65°	2089.8	2017.6	2548.7	3826.8	7291.8	10330.4	7207.1	4022.7	2719.6	2172.3	2232.7
67.5°	786.0	749.9	935.5	1690.5	4592.8	8193.5	4844.8	1984.5	1051.9	817.7	845.6
70°	446.4	420.6	444.9	616.6	1848.9	4640.7	2089.8	680.6	447.1	407.4	433.9
72.5°	351.4	331.5	335.2	372.7	637.9	1821.7	676.2	388.2	324.9	308.6	332.2
75°	290.2	272.6	271.8	292.4	372.0	591.5	382.3	296.9	263.0	251.2	270.3
77.5°	230.6	220.3	223.2	239.4	266.7	330.7	277.0	240.1	215.8	201.8	215.1
80°	168.7	167.2	179.0	193.7	198.9	222.5	207.7	193.7	172.4	152.5	157.6
82.5°	110.5	111.2	133.3	145.1	142.9	142.2	148.8	148.1	128.9	100.9	100.9
85°	63.3	64.8	81.8	91.3	89.9	71.5	94.3	95.0	82.5	61.1	58.9
87.5°	20.6	25.8	35.4	37.6	36.1	19.9	36.1	39.8	36.1	25.8	22.8
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)