

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: P212628

Luminaire Tested: **MPW-AF-D-U-SYM**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P212628  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14377)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: MPW-AF-D-U-SYM  
Description: WOODBRIDGE LED POST-TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4591 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

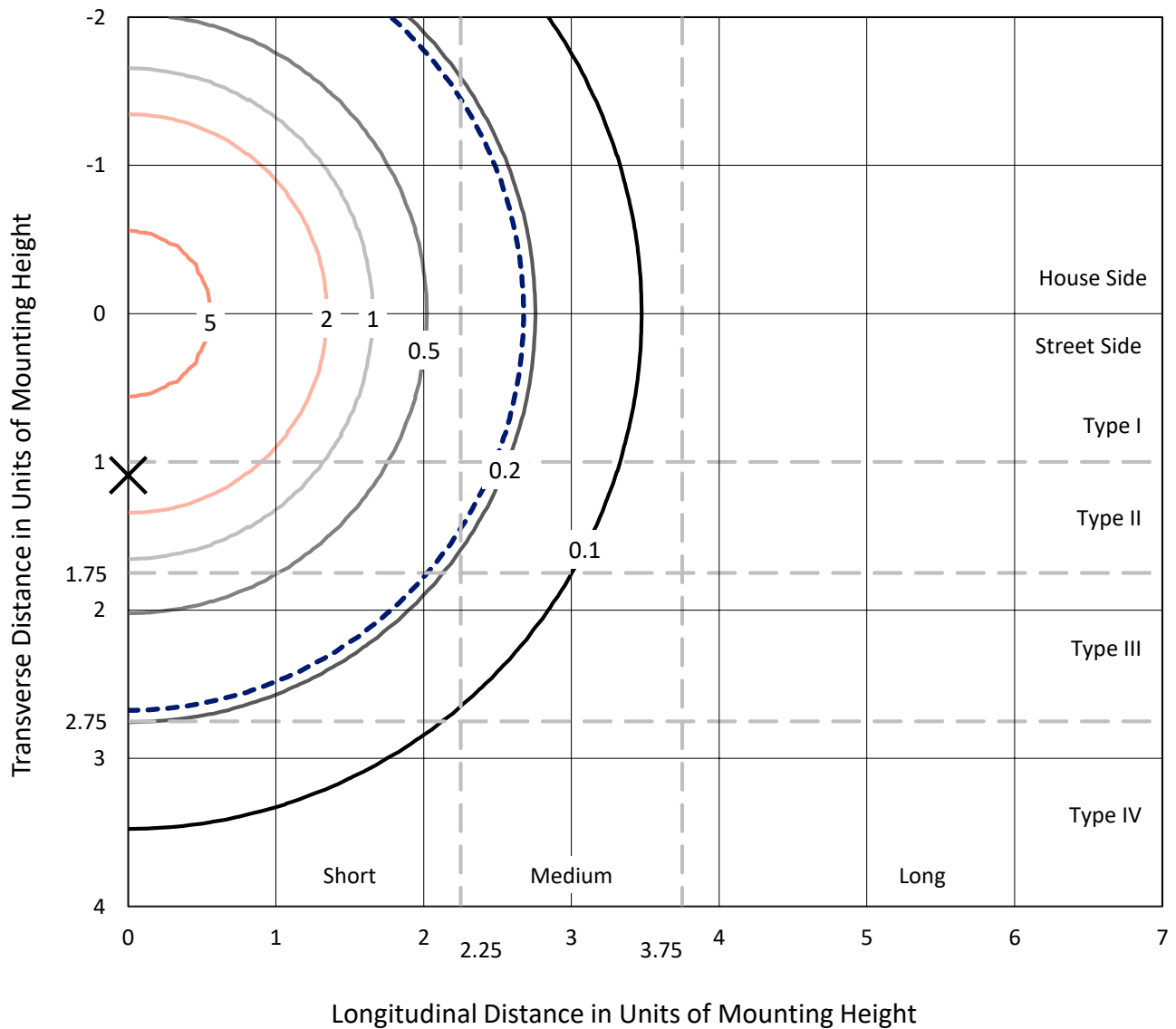
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

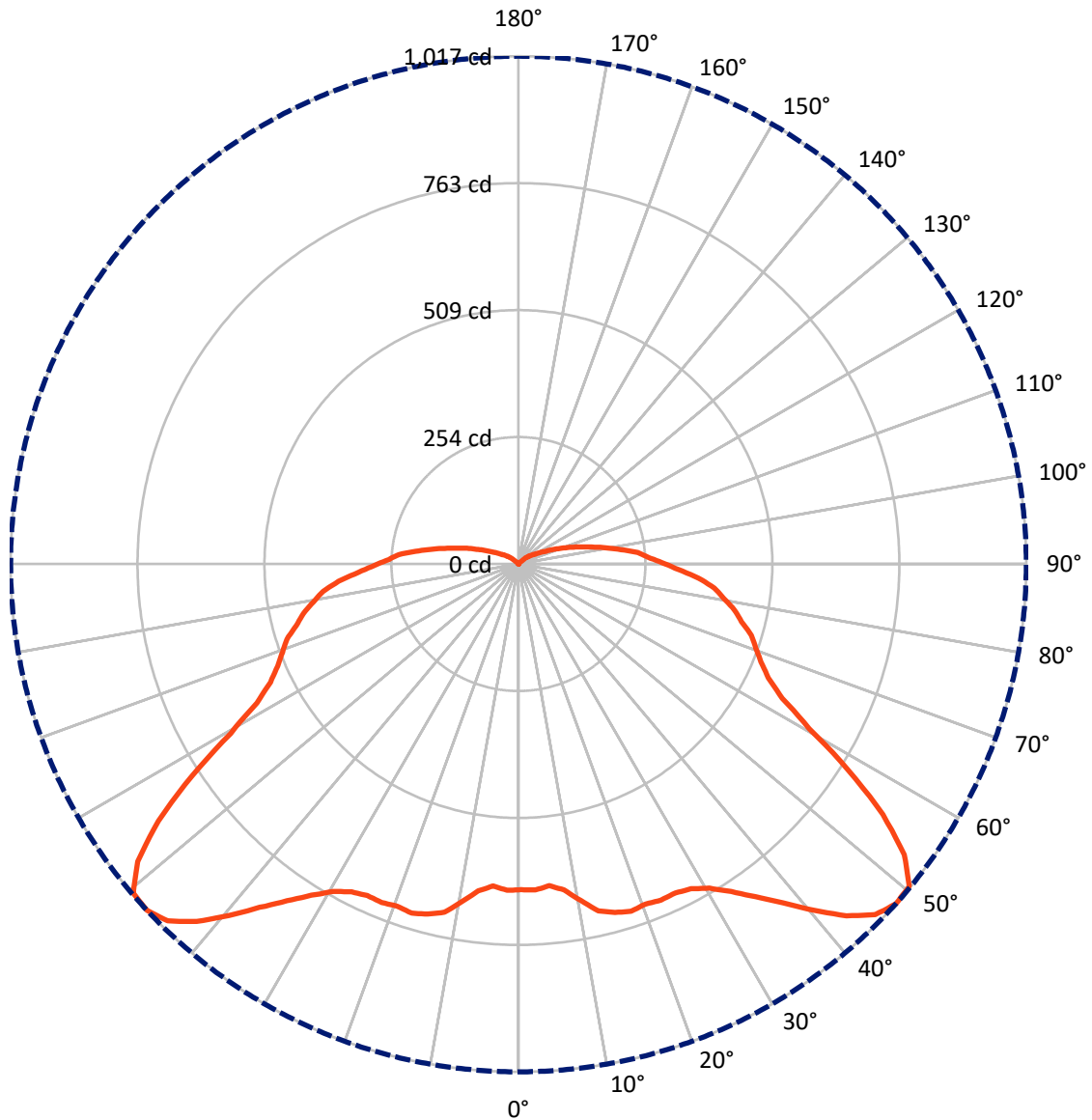
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 47.5-Deg Vertical

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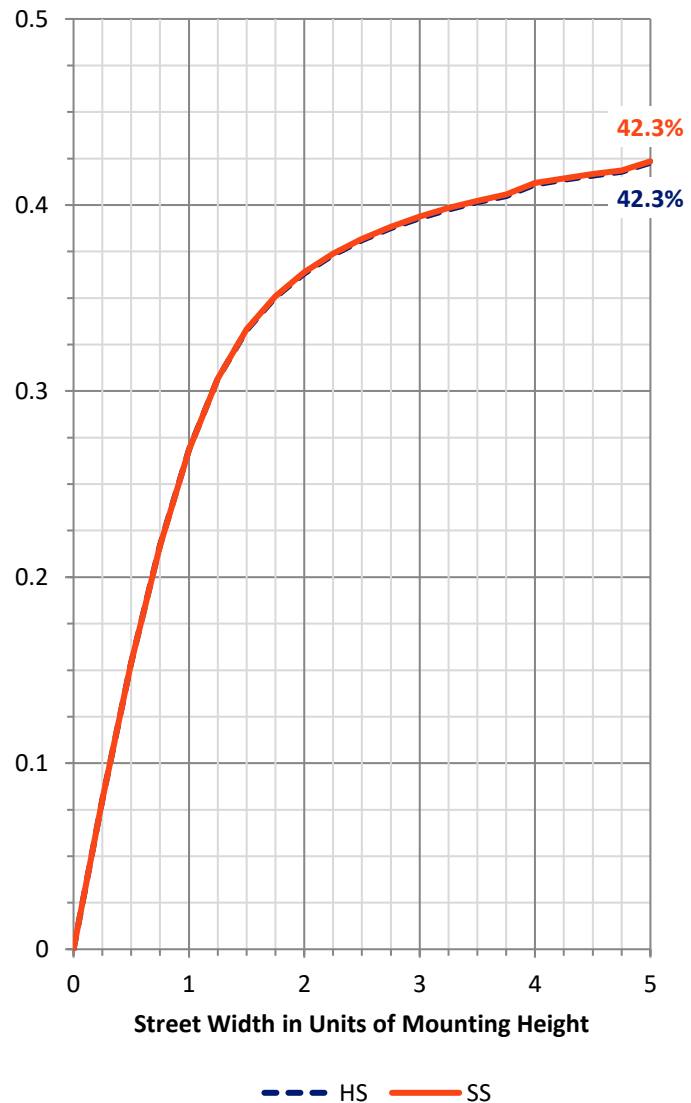
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2052.6	242.9	2295.5
	% Fixture	44.7	5.3	50.0
<b>Street Side</b>	Lumens	2052.6	242.9	2295.5
	% Fixture	44.7	5.3	50.0
<b>Total</b>	Lumens	4105.2	485.8	4591.0
	% Fixture	89.4	10.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	1.4
10°-20°	204.2	4.4
20°-30°	340.1	7.4
30°-40°	519.2	11.3
40°-50°	764.9	16.7
50°-60°	776.1	16.9
60°-70°	558.1	12.2
70°-80°	489.6	10.7
80°-90°	389.9	8.5
90°-100°	256.6	5.6
100°-110°	137.6	3.0
110°-120°	61.0	1.3
120°-130°	25.8	0.6
130°-140°	4.8	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4105.2	89.4
0°-180°	4591.0	100.0



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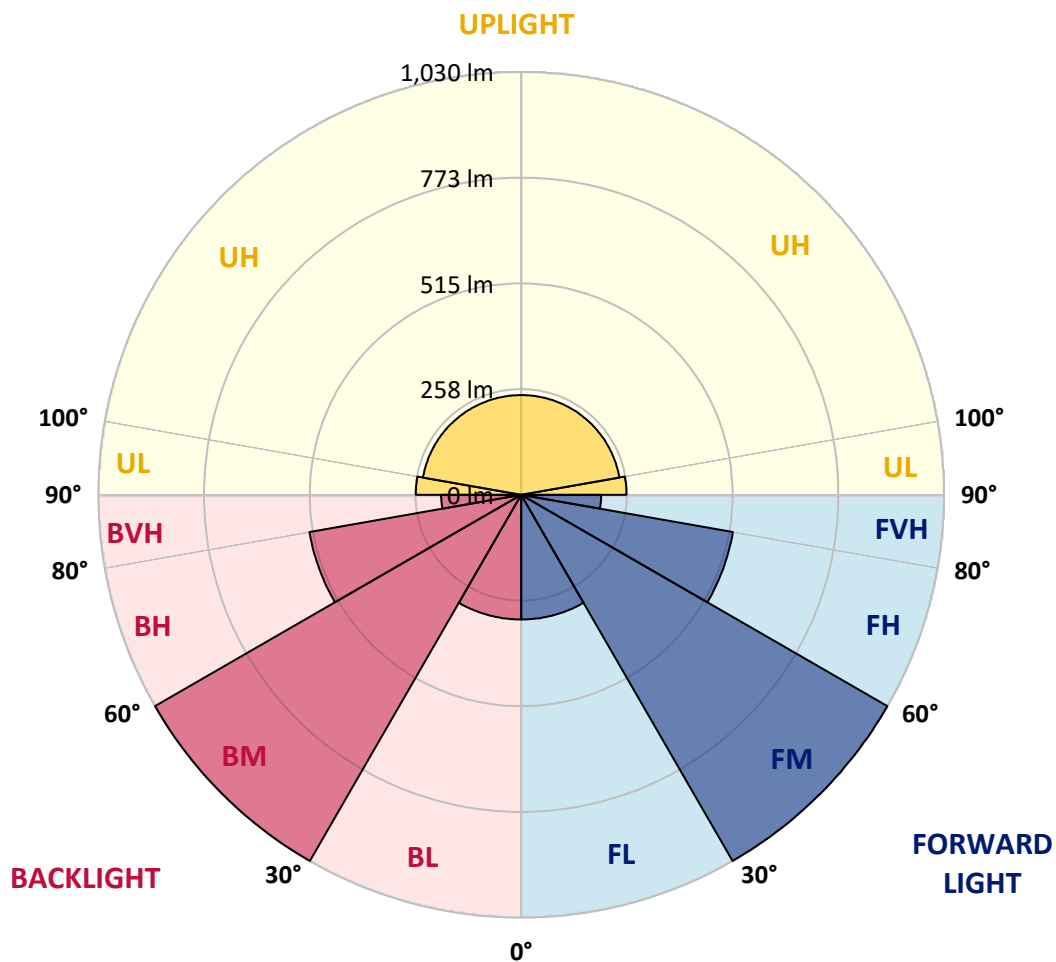
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.7	6.6			
FM	(30°-60°)	1030.1	22.4			
FH	(60°-80°)	523.8	11.4			G0/660
FVH	(80°-90°)	195.0	4.2			G2/225
BL	(0°-30°)	303.7	6.6	B1/500		
BM	(30°-60°)	1030.1	22.4	B2/2500		
BH	(60°-80°)	523.8	11.4	B2/1000		G0/660
BVH	(80°-90°)	195.0	4.2			G2/225
UL	(90°-100°)	256.6	5.6		U3/500	
UH	(100°-180°)	242.9	5.3		U3/500	

**BUG Rating: B2-U3-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	652.2
2.5°	653.6
5°	646.7
7.5°	659.1
10°	685.4
12.5°	713.0
15°	724.0
17.5°	731.0
20°	726.8
22.5°	731.0
25°	729.6
27.5°	736.5
30°	753.1
32.5°	782.0
35°	818.1
37.5°	860.8
40°	912.0
42.5°	963.1
45°	1001.8
47.5°	1017.0
50°	1014.3
52.5°	967.3
55°	885.8
57.5°	779.3
60°	668.8
62.5°	592.8
65°	549.9
67.5°	523.6
70°	504.3
72.5°	487.7
75°	461.6
77.5°	442.2
80°	417.3
82.5°	395.2
85°	362.0
87.5°	320.6
90°	287.4
92.5°	259.7
95°	240.4
97.5°	207.2
100°	178.3
102.5°	150.6
105°	127.2
107.5°	107.8
110°	88.5



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	73.2
115°	58.0
117.5°	49.7
120°	38.7
122.5°	34.6
125°	27.6
127.5°	23.5
130°	18.0
132.5°	9.7
135°	4.2
137.5°	0.0
140°	1.4
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)