

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: P271892

Luminaire Tested: **MPW-AF-D-U-SYM-7027-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271892
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-7027-800
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3150.5 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

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

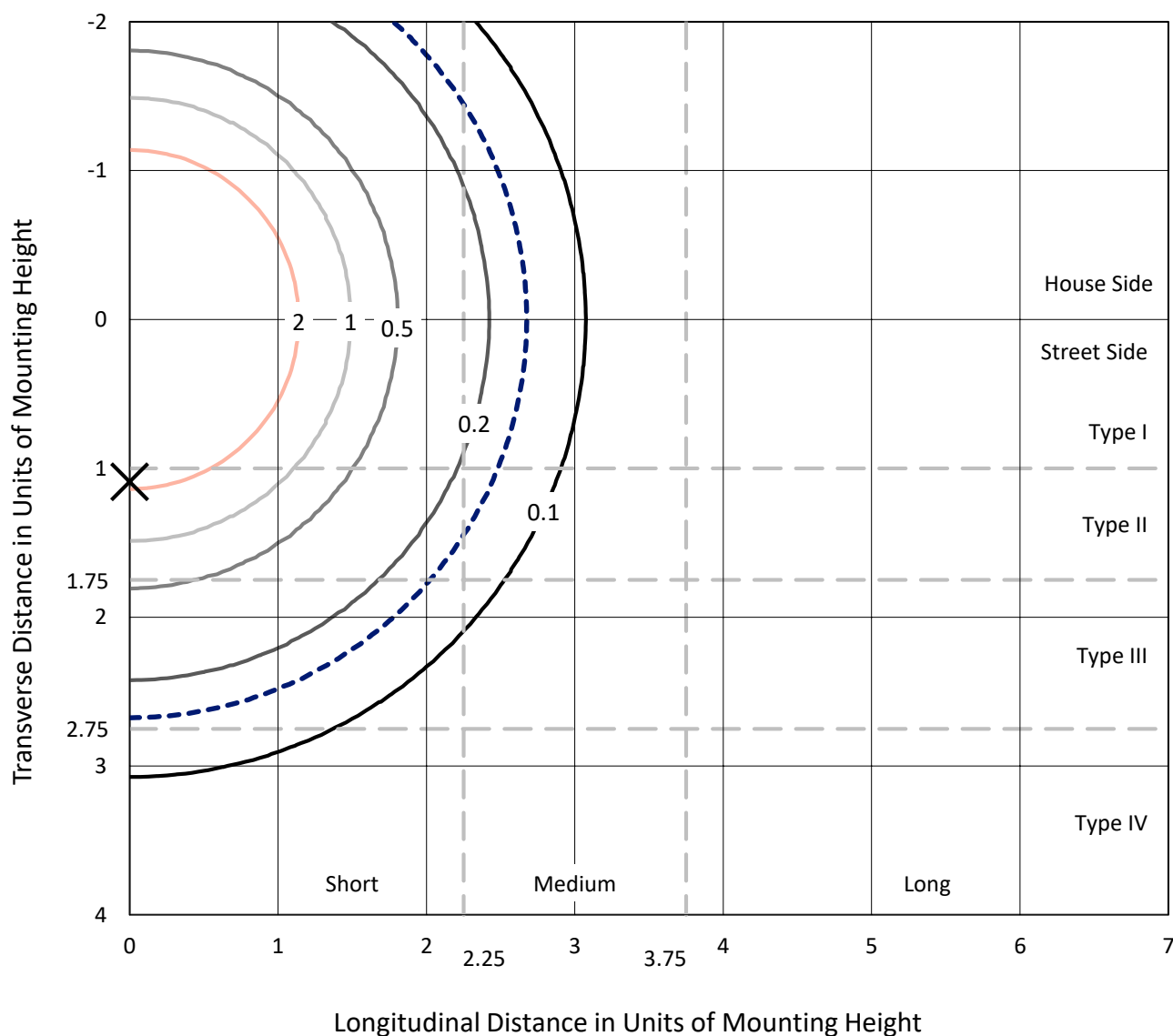


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

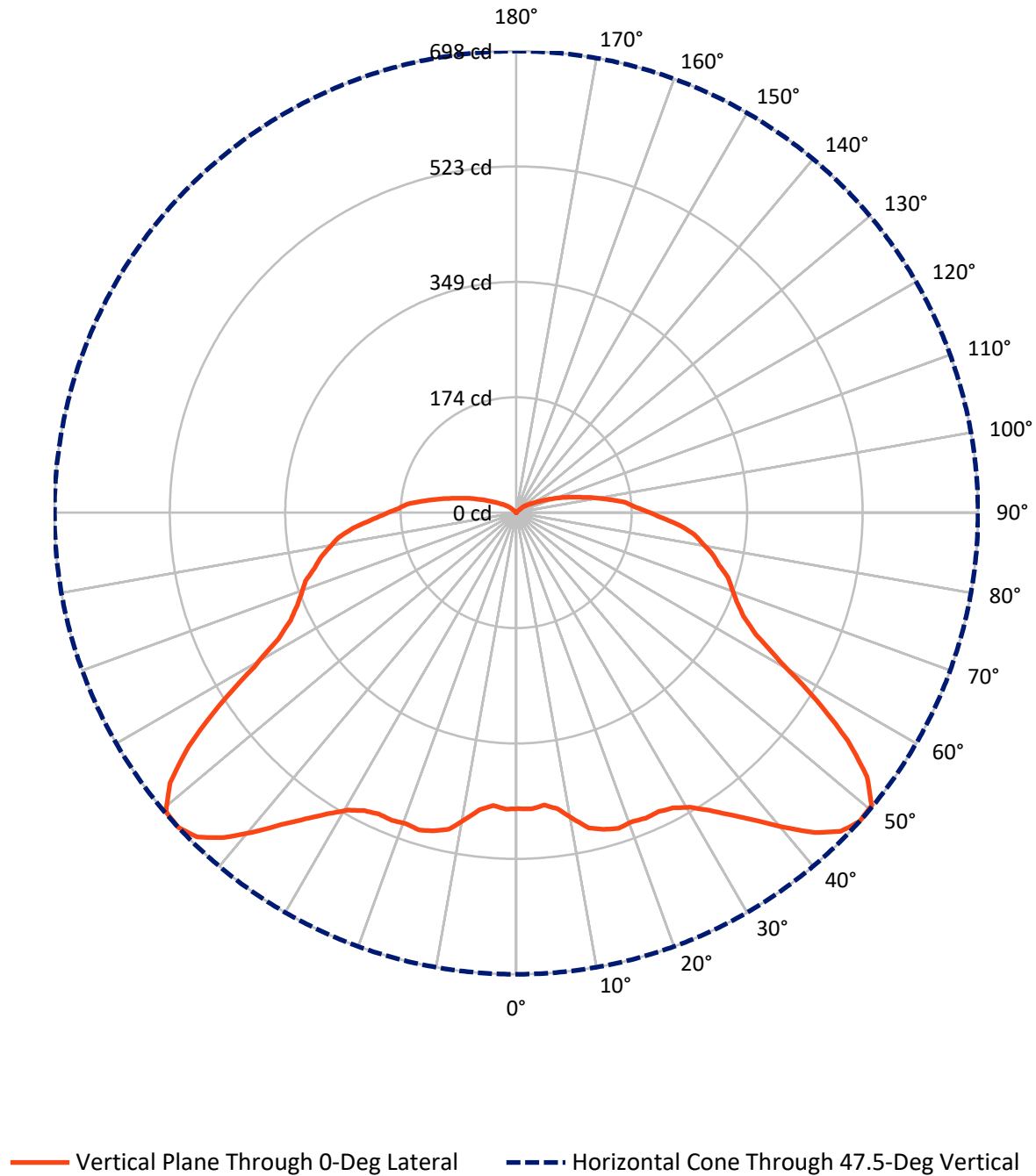


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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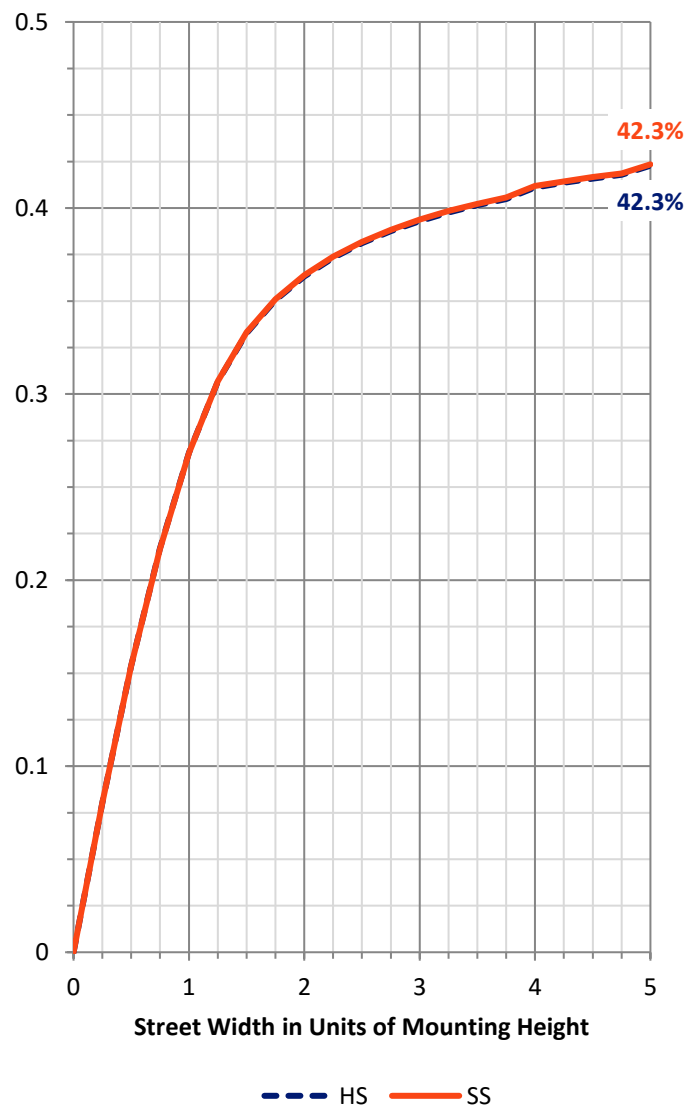
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1408.6	166.7	1575.2
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1408.6	166.7	1575.2
	% Fixture	44.7	5.3	50.0
Total	Lumens	2817.1	333.3	3150.5
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	1.4
10°-20°	140.2	4.4
20°-30°	233.4	7.4
30°-40°	356.3	11.3
40°-50°	524.9	16.7
50°-60°	532.6	16.9
60°-70°	383.0	12.2
70°-80°	335.9	10.7
80°-90°	267.6	8.5
90°-100°	176.1	5.6
100°-110°	94.4	3.0
110°-120°	41.8	1.3
120°-130°	17.7	0.6
130°-140°	3.3	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°	2817.1	89.4
0°-180°	3150.5	100.0

Coefficient of Utilization



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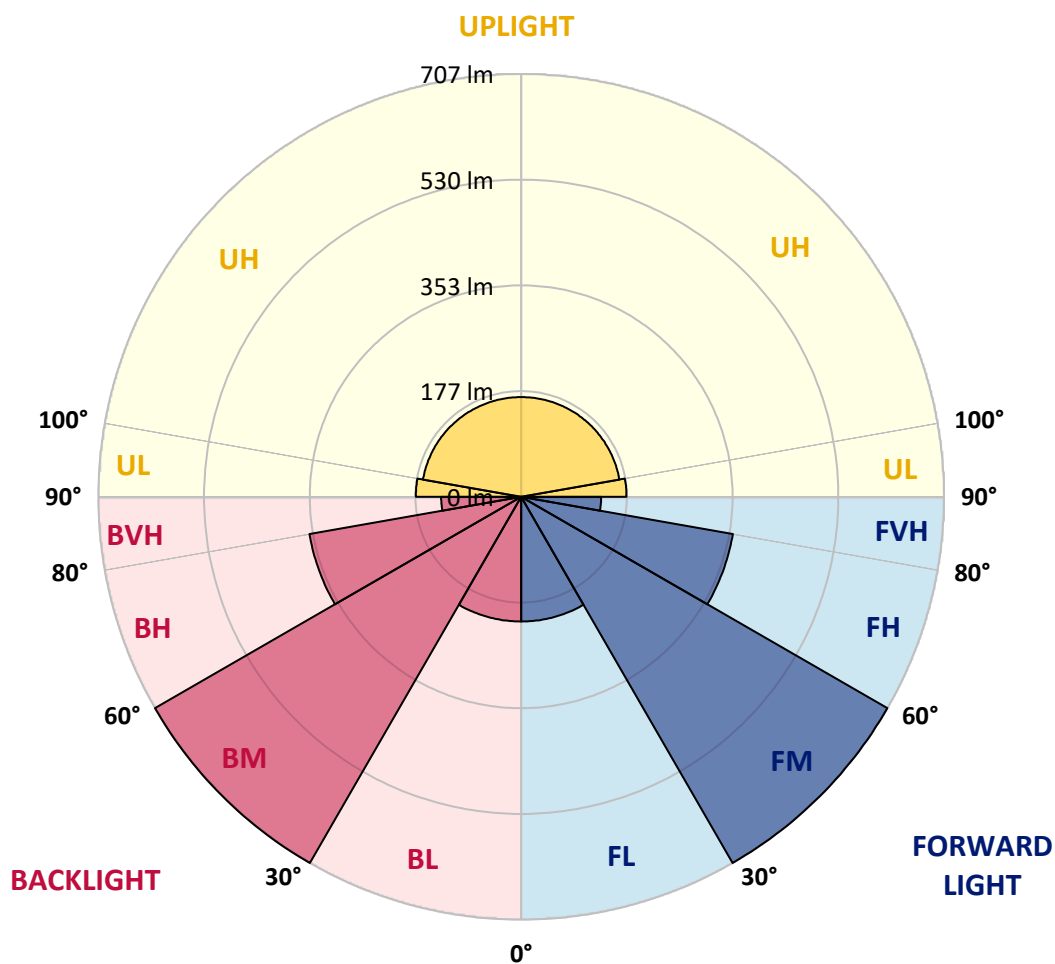
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.4	6.6			
FM	(30°-60°)	706.9	22.4			
FH	(60°-80°)	359.5	11.4			G0/660
FVH	(80°-90°)	133.8	4.2			G2/225
BL	(0°-30°)	208.4	6.6	B1/500		
BM	(30°-60°)	706.9	22.4	B1/1000		
BH	(60°-80°)	359.5	11.4	B1/500		G0/660
BVH	(80°-90°)	133.8	4.2			G2/225
UL	(90°-100°)	176.1	5.6		U3/500	
UH	(100°-180°)	166.7	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	447.5
2.5°	448.5
5°	443.9
7.5°	452.3
10°	470.4
12.5°	489.3
15°	496.9
17.5°	501.6
20°	498.8
22.5°	501.6
25°	500.6
27.5°	505.5
30°	516.7
32.5°	536.6
35°	561.4
37.5°	590.7
40°	625.8
42.5°	661.0
45°	687.5
47.5°	697.9
50°	696.0
52.5°	663.8
55°	607.8
57.5°	534.9
60°	458.9
62.5°	406.8
65°	377.4
67.5°	359.4
70°	346.0
72.5°	334.7
75°	316.7
77.5°	303.4
80°	286.4
82.5°	271.2
85°	248.4
87.5°	219.9
90°	197.3
92.5°	178.2
95°	165.0
97.5°	142.2
100°	122.3
102.5°	103.3
105°	87.2
107.5°	74.0
110°	60.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.2
115°	39.9
117.5°	34.1
120°	26.6
122.5°	23.7
125°	19.0
127.5°	16.1
130°	12.4
132.5°	6.6
135°	2.9
137.5°	0.0
140°	1.0
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)