

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: P212617

Luminaire Tested: **MPW-AF-D-U-SYM-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212617
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-7030-600
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2859.3 lumens
Efficiency: N/A
Efficacy: 84.1 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): 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

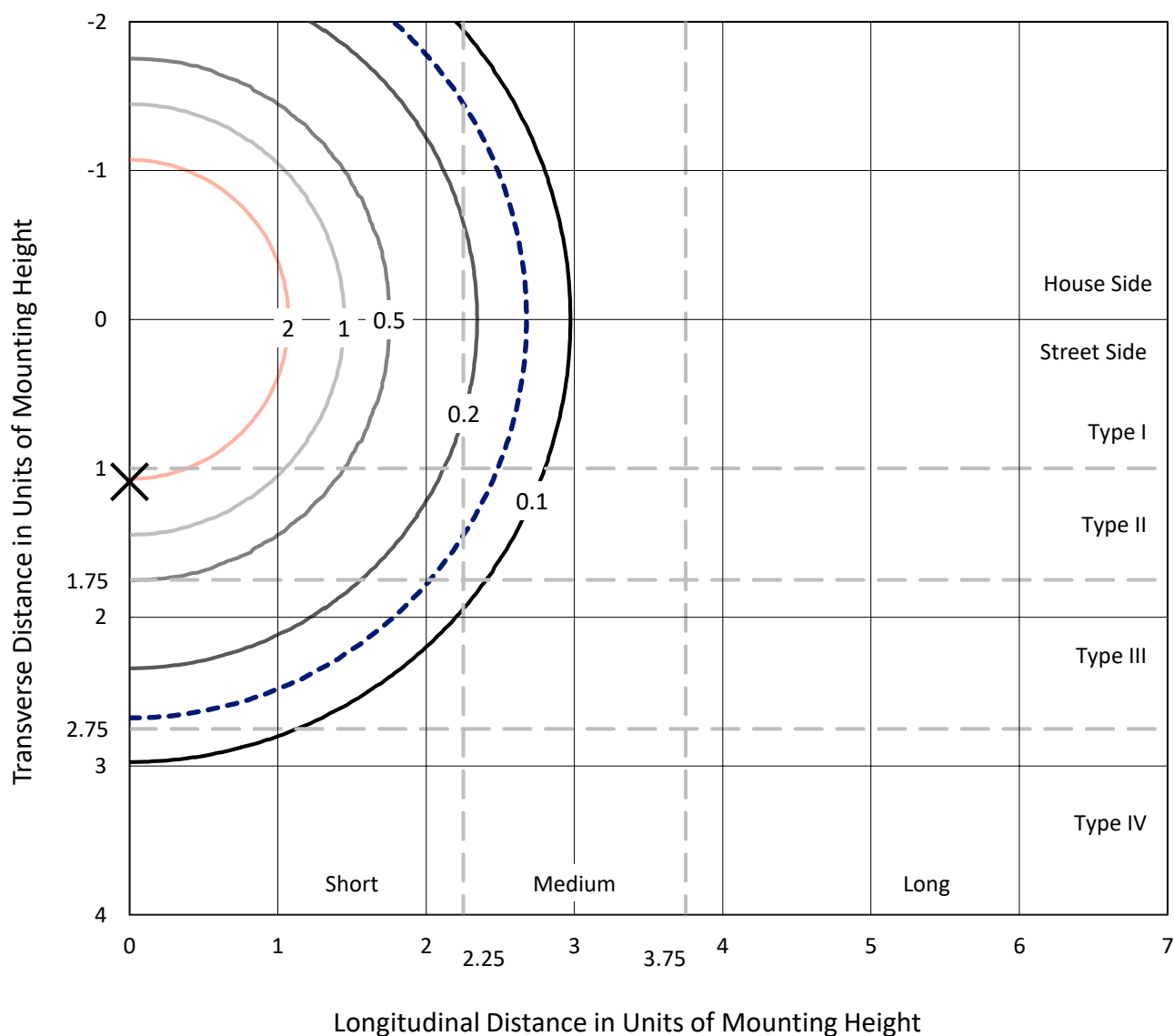


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

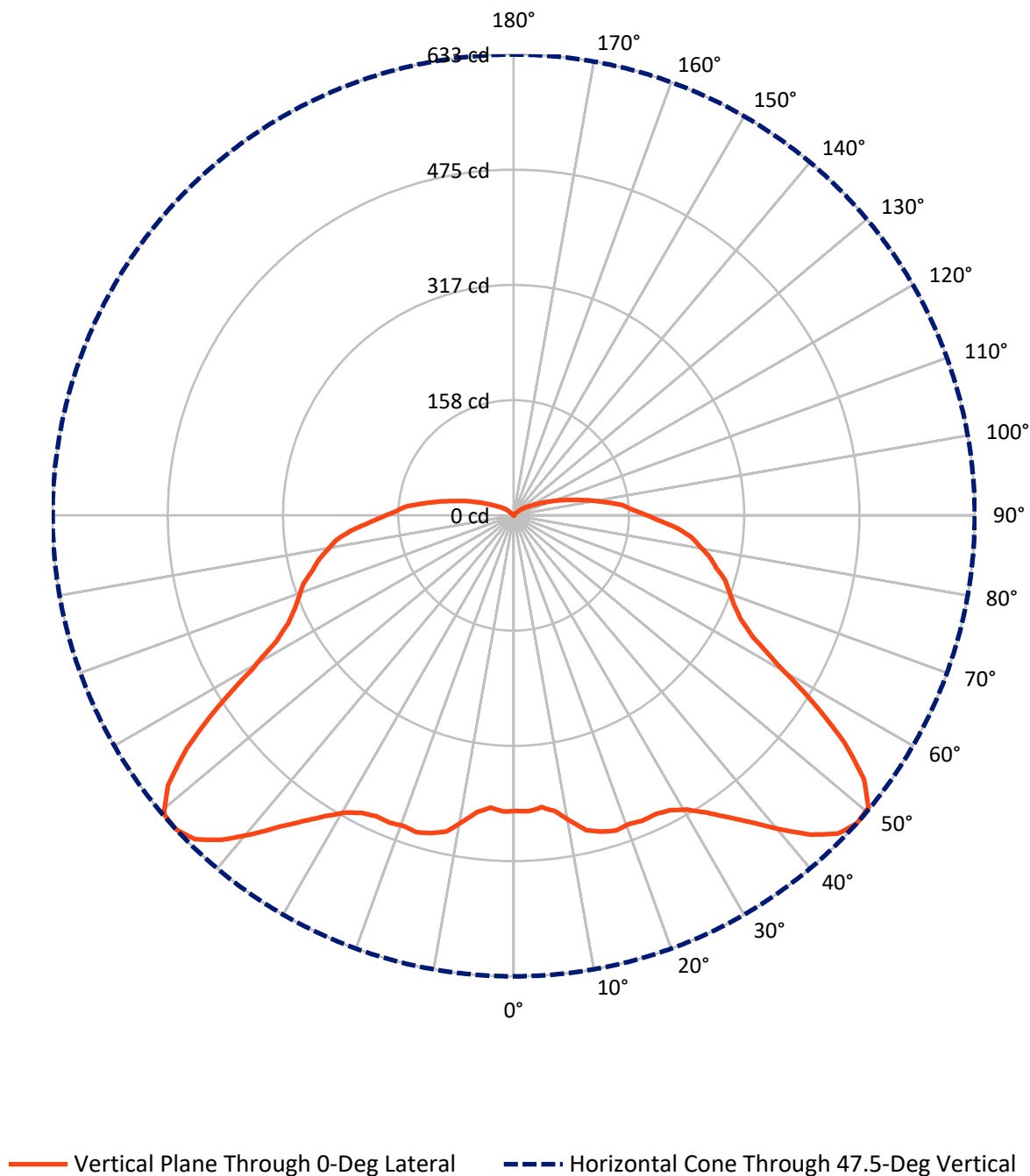


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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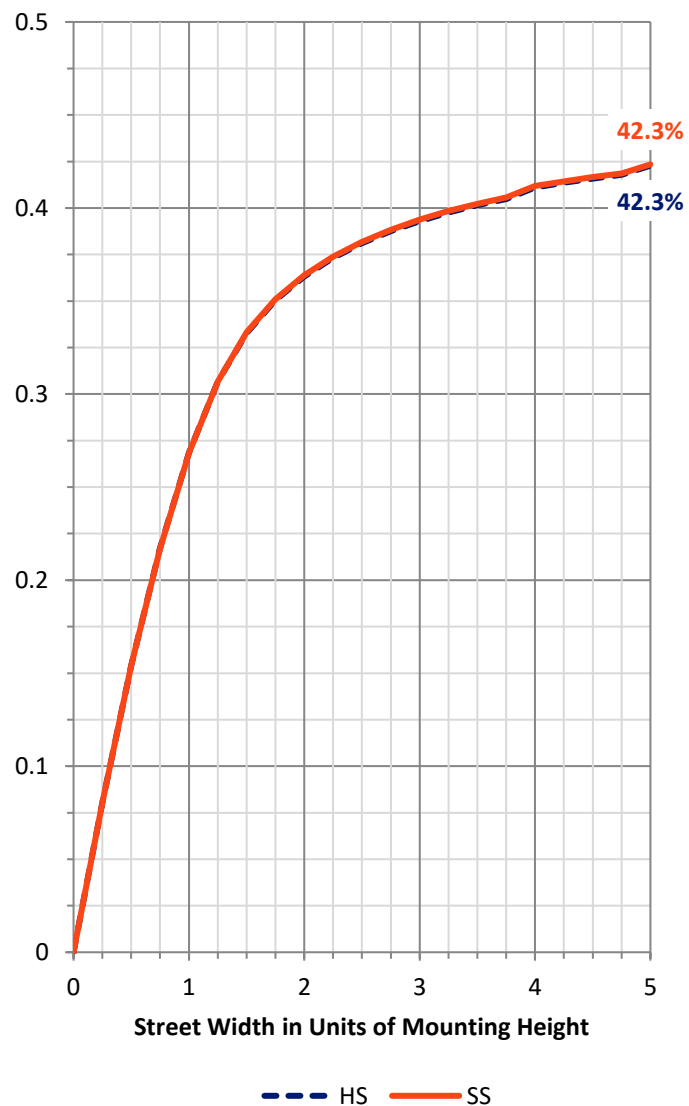
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1278.4	151.3	1429.7
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1278.4	151.3	1429.7
	% Fixture	44.7	5.3	50.0
Total	Lumens	2556.7	302.6	2859.3
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	1.4
10°-20°	127.2	4.4
20°-30°	211.8	7.4
30°-40°	323.3	11.3
40°-50°	476.4	16.7
50°-60°	483.3	16.9
60°-70°	347.6	12.2
70°-80°	304.9	10.7
80°-90°	242.9	8.5
90°-100°	159.8	5.6
100°-110°	85.7	3.0
110°-120°	38.0	1.3
120°-130°	16.0	0.6
130°-140°	2.9	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°	2556.7	89.4
0°-180°	2859.3	100.0

Coefficient of Utilization



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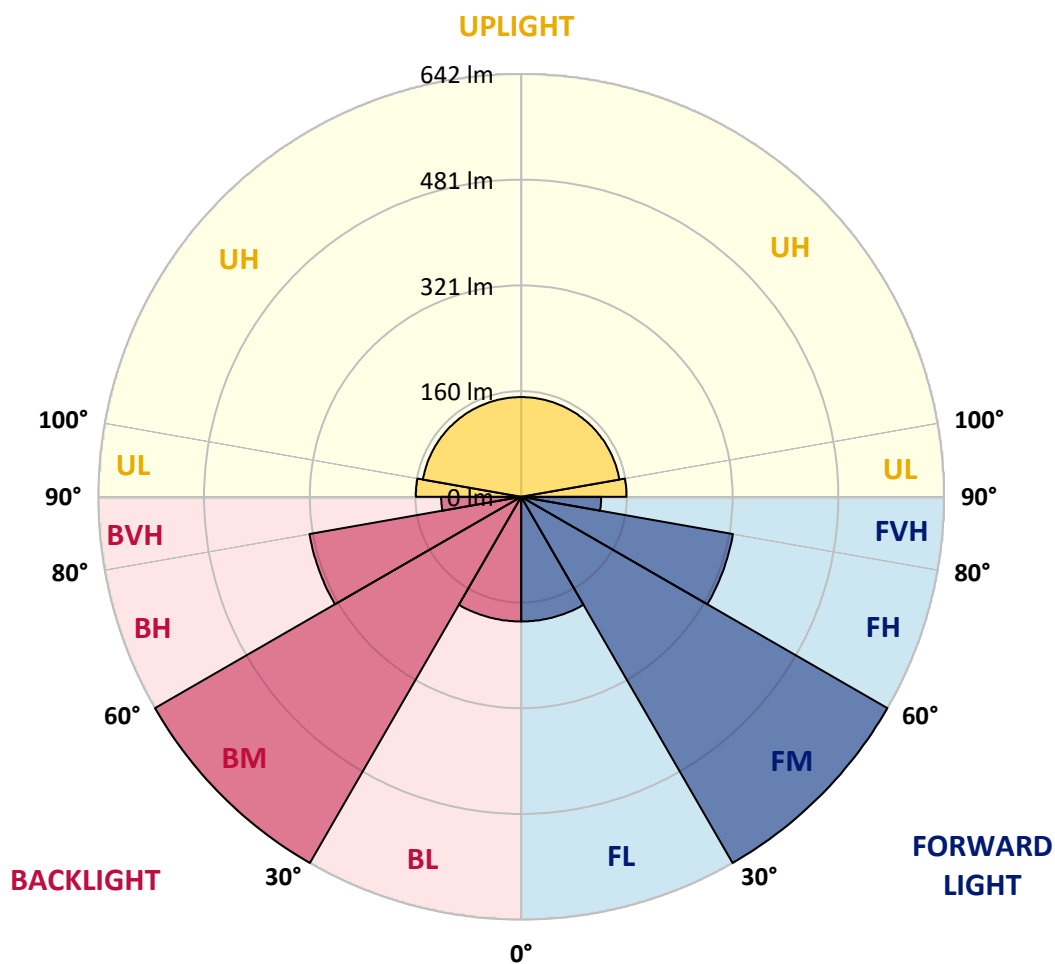
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.2	6.6			
FM	(30°-60°)	641.5	22.4			
FH	(60°-80°)	326.2	11.4			G0/660
FVH	(80°-90°)	121.4	4.2			G2/225
BL	(0°-30°)	189.2	6.6	B1/500		
BM	(30°-60°)	641.5	22.4	B1/1000		
BH	(60°-80°)	326.2	11.4	B1/500		G0/660
BVH	(80°-90°)	121.4	4.2			G2/225
UL	(90°-100°)	159.8	5.6		U3/500	
UH	(100°-180°)	151.3	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	406.2
2.5°	407.1
5°	402.7
7.5°	410.5
10°	426.9
12.5°	444.0
15°	450.9
17.5°	455.3
20°	452.7
22.5°	455.3
25°	454.4
27.5°	458.7
30°	469.0
32.5°	487.1
35°	509.5
37.5°	536.1
40°	568.0
42.5°	599.8
45°	624.0
47.5°	633.4
50°	631.6
52.5°	602.5
55°	551.6
57.5°	485.3
60°	416.5
62.5°	369.2
65°	342.5
67.5°	326.1
70°	314.1
72.5°	303.7
75°	287.5
77.5°	275.4
80°	259.9
82.5°	246.2
85°	225.5
87.5°	199.6
90°	179.0
92.5°	161.8
95°	149.8
97.5°	129.0
100°	111.0
102.5°	93.9
105°	79.2
107.5°	67.1
110°	55.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.6
115°	36.2
117.5°	31.0
120°	24.1
122.5°	21.5
125°	17.3
127.5°	14.6
130°	11.1
132.5°	6.0
135°	2.6
137.5°	0.0
140°	0.9
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)