

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: P212623

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212623
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-800
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3709.2 lumens
Efficiency: N/A
Efficacy: 84.3 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

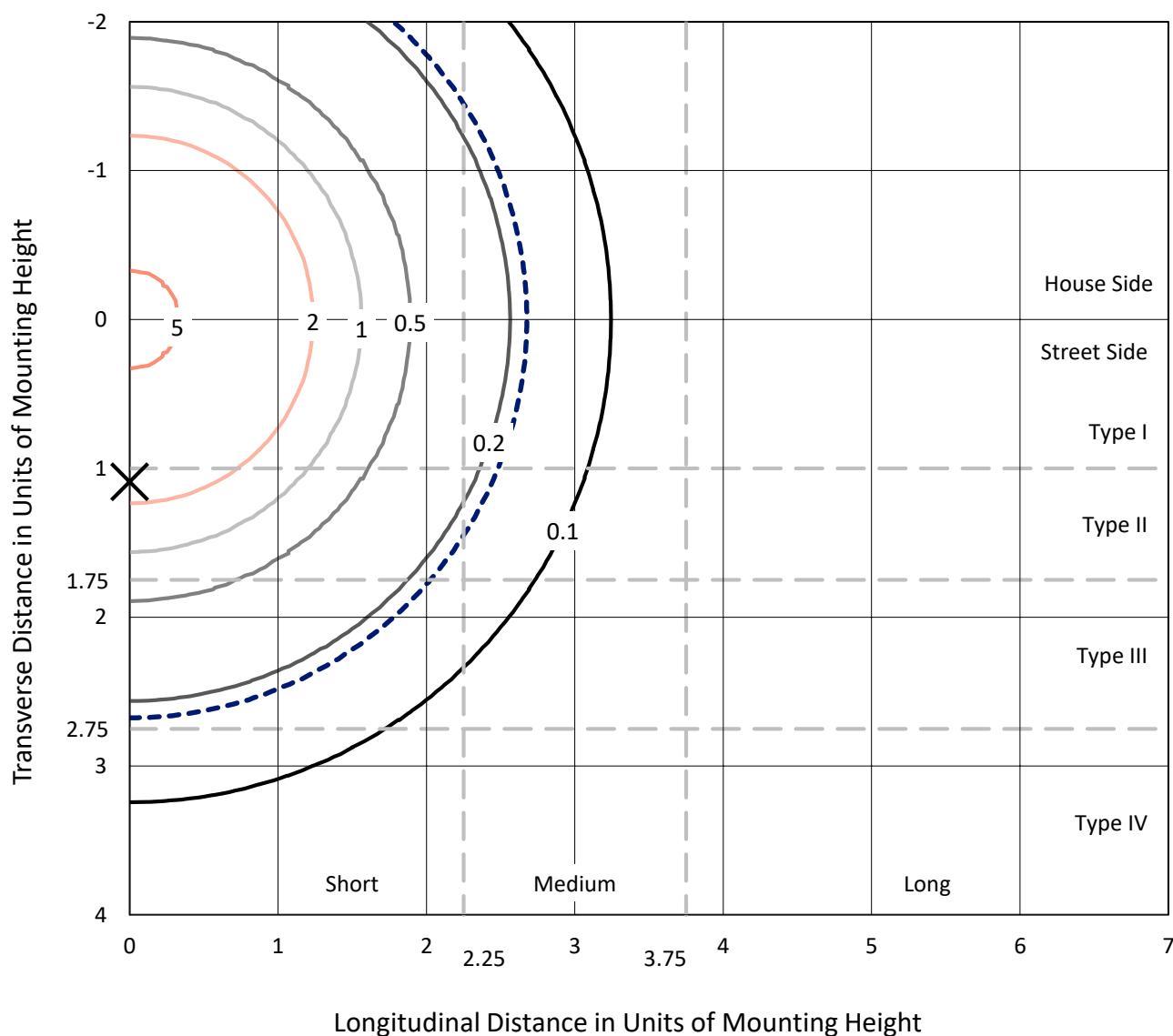


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

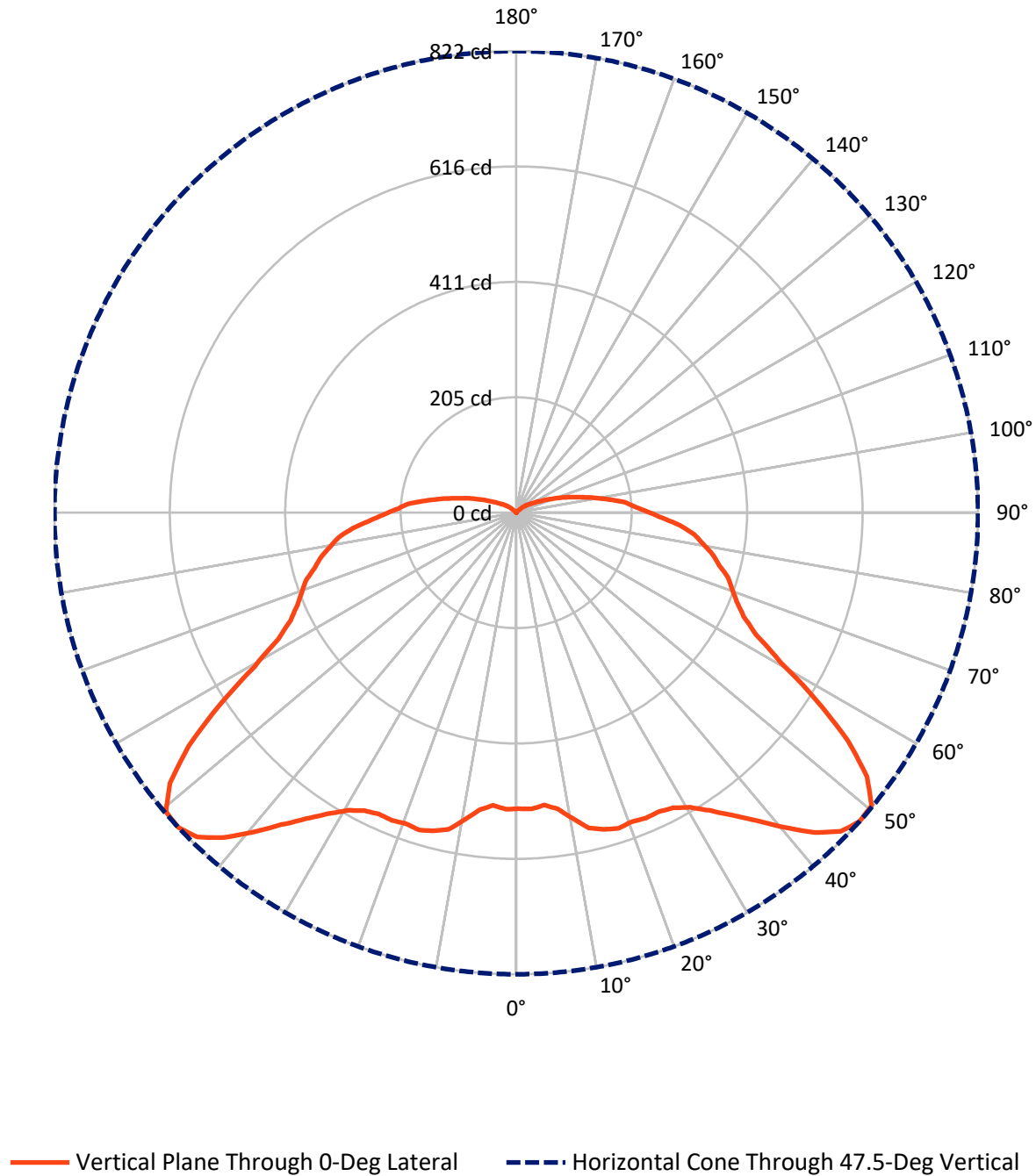


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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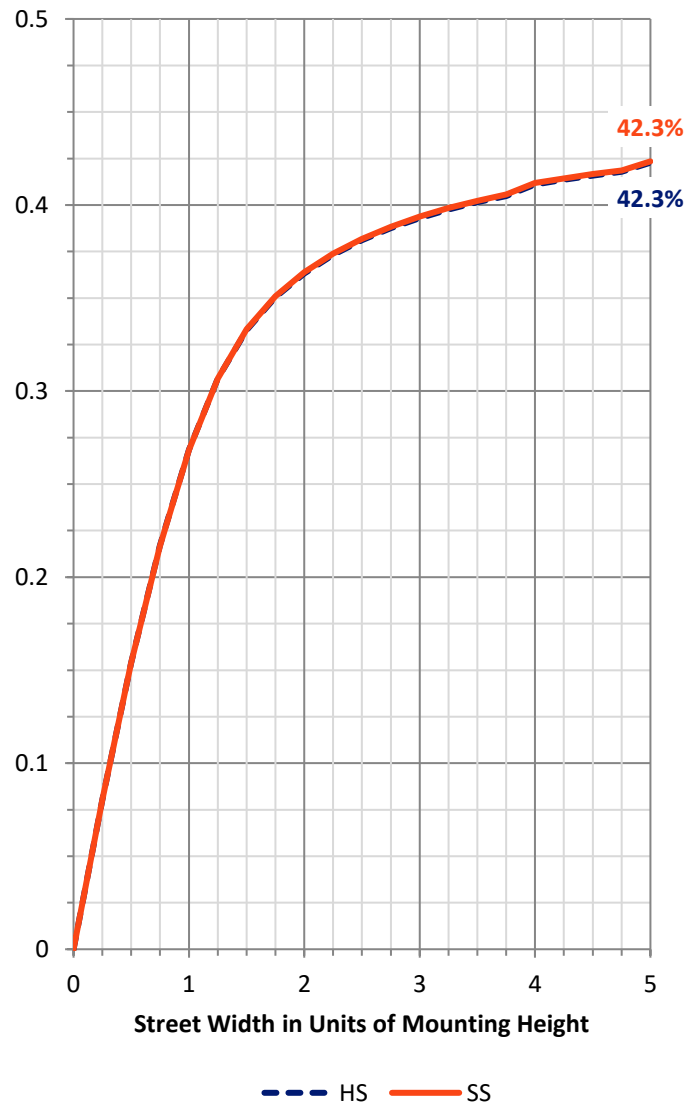
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1658.3	196.3	1854.6
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1658.3	196.3	1854.6
	% Fixture	44.7	5.3	50.0
Total	Lumens	3316.7	392.5	3709.2
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.4
10°-20°	165.0	4.4
20°-30°	274.8	7.4
30°-40°	419.5	11.3
40°-50°	618.0	16.7
50°-60°	627.0	16.9
60°-70°	450.9	12.2
70°-80°	395.5	10.7
80°-90°	315.0	8.5
90°-100°	207.4	5.6
100°-110°	111.1	3.0
110°-120°	49.3	1.3
120°-130°	20.8	0.6
130°-140°	3.8	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°	3316.7	89.4
0°-180°	3709.2	100.0

Coefficient of Utilization



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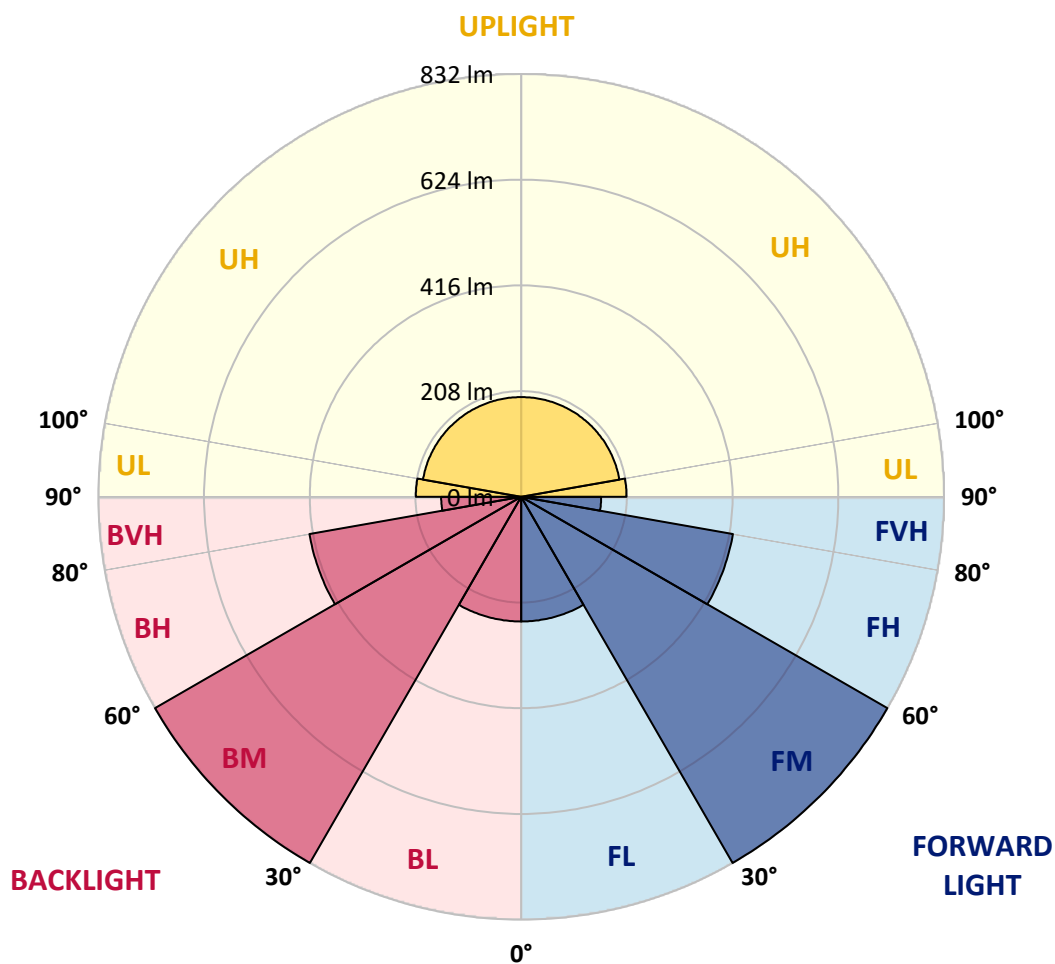
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.4	6.6			
FM	(30°-60°)	832.2	22.4			
FH	(60°-80°)	423.2	11.4			G0/660
FVH	(80°-90°)	157.5	4.2			G2/225
BL	(0°-30°)	245.4	6.6	B1/500		
BM	(30°-60°)	832.2	22.4	B1/1000		
BH	(60°-80°)	423.2	11.4	B1/500		G0/660
BVH	(80°-90°)	157.5	4.2			G2/225
UL	(90°-100°)	207.4	5.6		U3/500	
UH	(100°-180°)	196.3	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	526.9
2.5°	528.0
5°	522.4
7.5°	532.5
10°	553.7
12.5°	576.0
15°	585.0
17.5°	590.5
20°	587.2
22.5°	590.5
25°	589.4
27.5°	595.1
30°	608.5
32.5°	631.9
35°	660.9
37.5°	695.5
40°	736.8
42.5°	778.2
45°	809.4
47.5°	821.6
50°	819.4
52.5°	781.4
55°	715.7
57.5°	629.6
60°	540.3
62.5°	478.9
65°	444.4
67.5°	423.1
70°	407.4
72.5°	394.0
75°	372.9
77.5°	357.2
80°	337.2
82.5°	319.3
85°	292.5
87.5°	259.0
90°	232.2
92.5°	209.9
95°	194.3
97.5°	167.5
100°	144.0
102.5°	121.7
105°	102.7
107.5°	87.1
110°	71.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.1
115°	46.9
117.5°	40.2
120°	31.3
122.5°	27.9
125°	22.3
127.5°	19.0
130°	14.5
132.5°	7.8
135°	3.4
137.5°	0.0
140°	1.1
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)