

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: P212626

Luminaire Tested: **MPW-AF-D-U-SYM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212626
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-8030
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3662 lumens
Efficiency: N/A
Efficacy: 63.1 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): 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

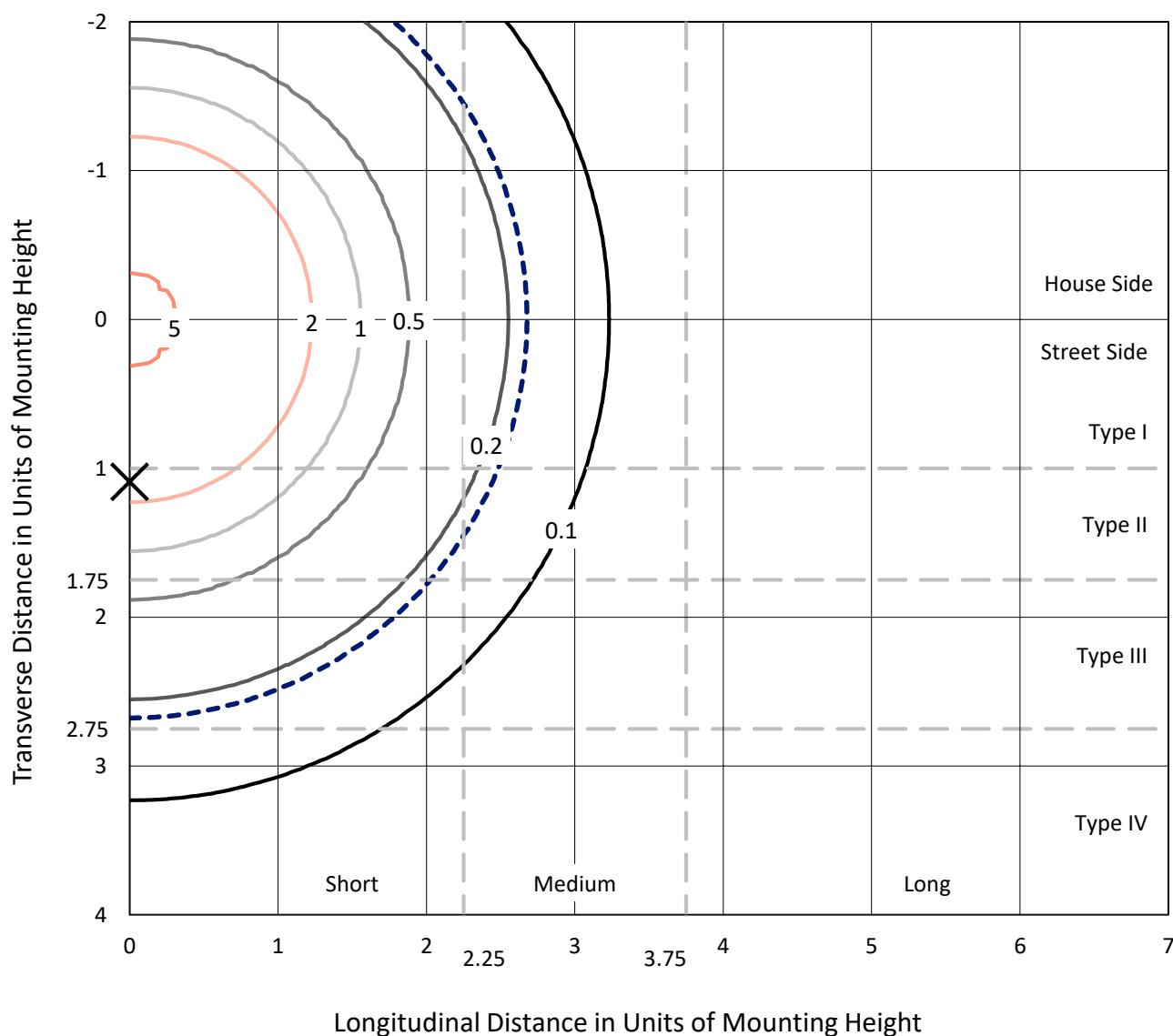


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

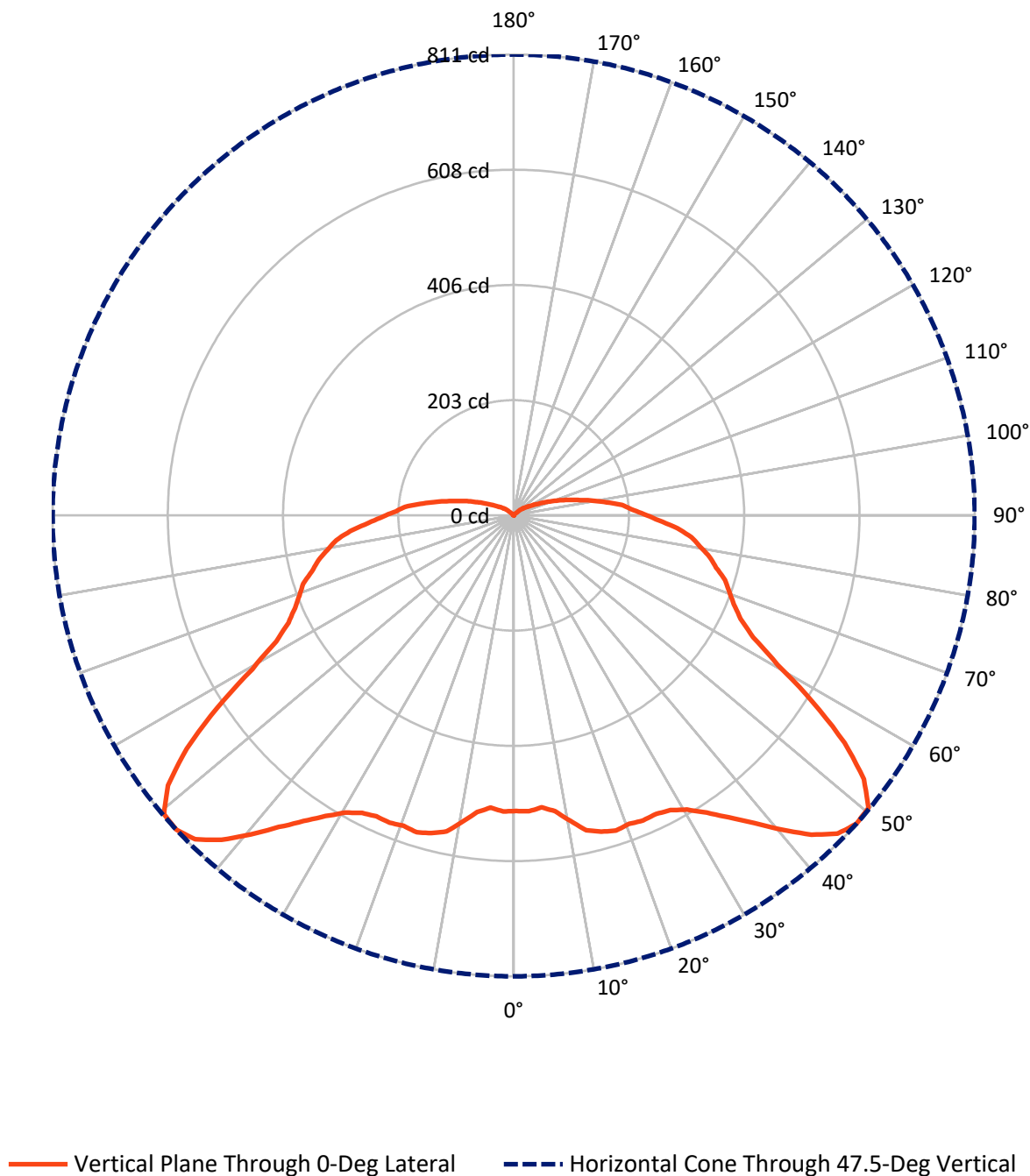


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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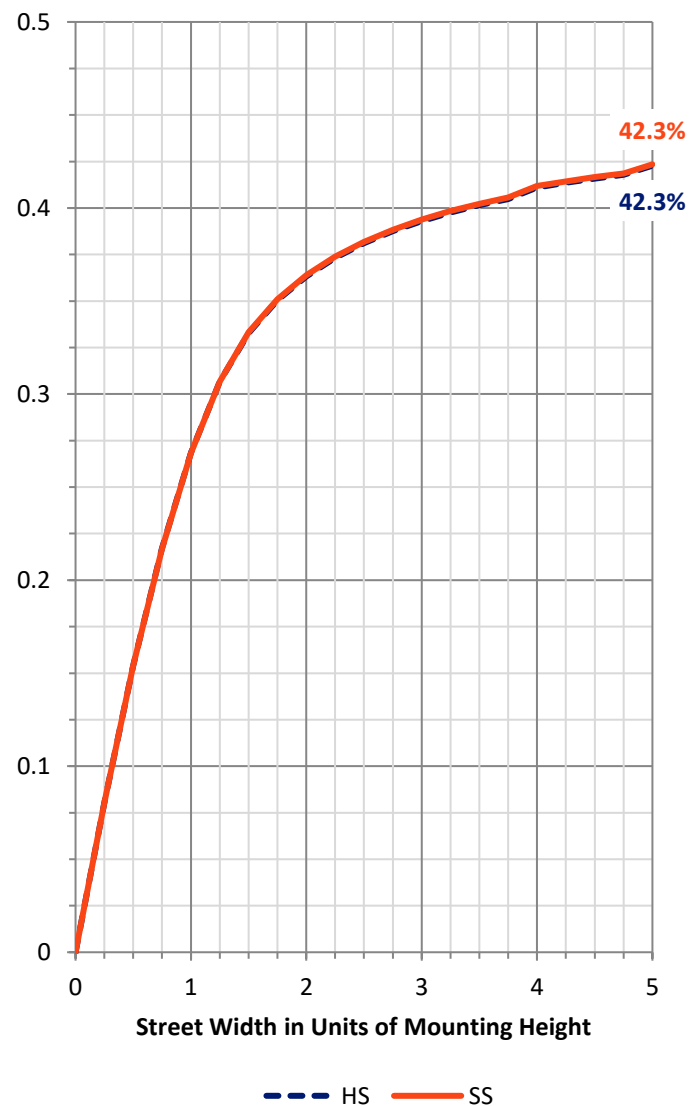
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1637.3	193.7	1831.0
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1637.3	193.7	1831.0
	% Fixture	44.7	5.3	50.0
Total	Lumens	3274.5	387.5	3662.0
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.4
10°-20°	162.9	4.4
20°-30°	271.3	7.4
30°-40°	414.1	11.3
40°-50°	610.1	16.7
50°-60°	619.0	16.9
60°-70°	445.2	12.2
70°-80°	390.5	10.7
80°-90°	311.0	8.5
90°-100°	204.7	5.6
100°-110°	109.7	3.0
110°-120°	48.7	1.3
120°-130°	20.5	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°	3274.5	89.4
0°-180°	3662.0	100.0

Coefficient of Utilization



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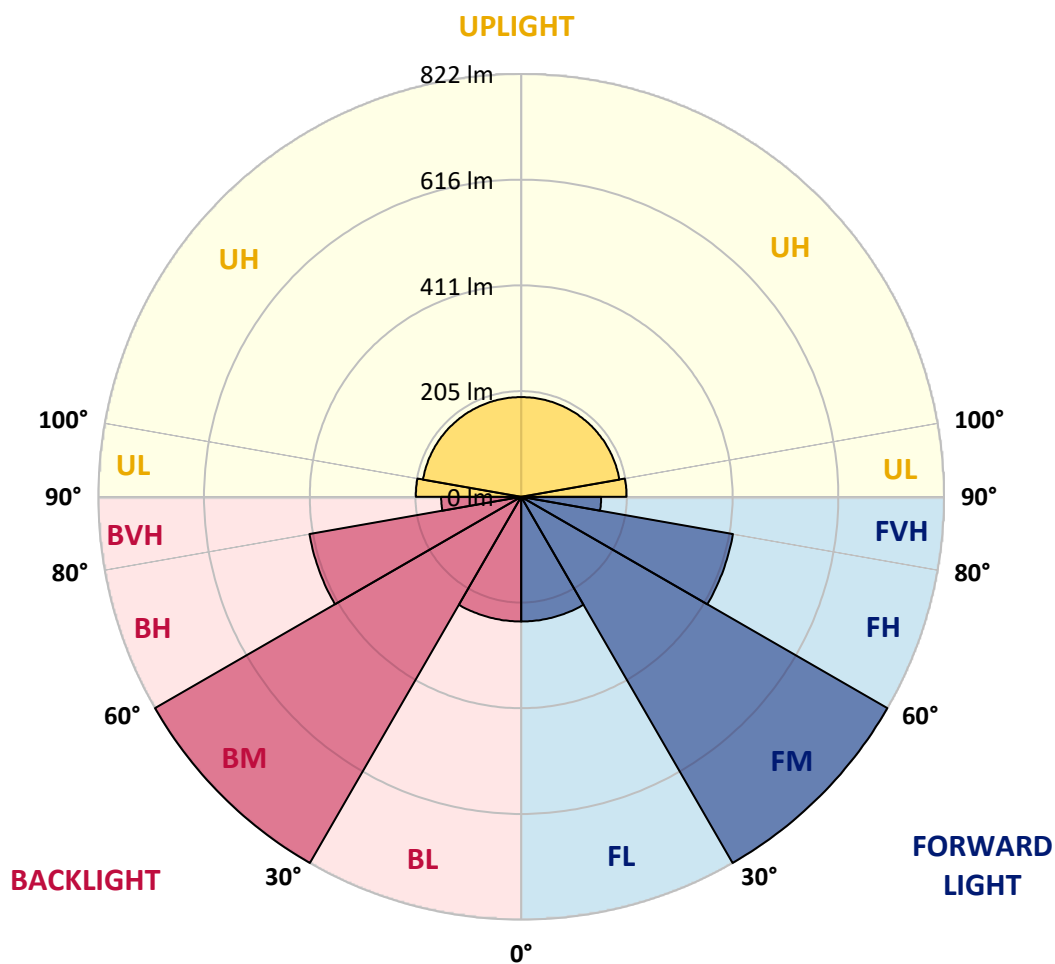
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.3	6.6			
FM	(30°-60°)	821.6	22.4			
FH	(60°-80°)	417.8	11.4			G0/660
FVH	(80°-90°)	155.5	4.2			G2/225
BL	(0°-30°)	242.3	6.6	B1/500		
BM	(30°-60°)	821.6	22.4	B1/1000		
BH	(60°-80°)	417.8	11.4	B1/500		G0/660
BVH	(80°-90°)	155.5	4.2			G2/225
UL	(90°-100°)	204.7	5.6		U3/500	
UH	(100°-180°)	193.7	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	520.2
2.5°	521.3
5°	515.8
7.5°	525.7
10°	546.7
12.5°	568.7
15°	577.5
17.5°	583.1
20°	579.7
22.5°	583.1
25°	582.0
27.5°	587.5
30°	600.7
32.5°	623.8
35°	652.5
37.5°	686.7
40°	727.4
42.5°	768.2
45°	799.1
47.5°	811.2
50°	809.0
52.5°	771.5
55°	706.5
57.5°	621.6
60°	533.5
62.5°	472.8
65°	438.7
67.5°	417.7
70°	402.3
72.5°	389.1
75°	368.1
77.5°	352.7
80°	332.9
82.5°	315.2
85°	288.8
87.5°	255.7
90°	229.3
92.5°	207.2
95°	191.8
97.5°	165.3
100°	142.2
102.5°	120.1
105°	101.4
107.5°	86.0
110°	70.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	58.4
115°	46.3
117.5°	39.7
120°	30.9
122.5°	27.6
125°	22.0
127.5°	18.7
130°	14.3
132.5°	7.7
135°	3.3
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)