

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: P212629

Luminaire Tested: **MPW-AF-D-U-SYM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212629
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-7050
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4488 lumens
Efficiency: N/A
Efficacy: 77.4 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



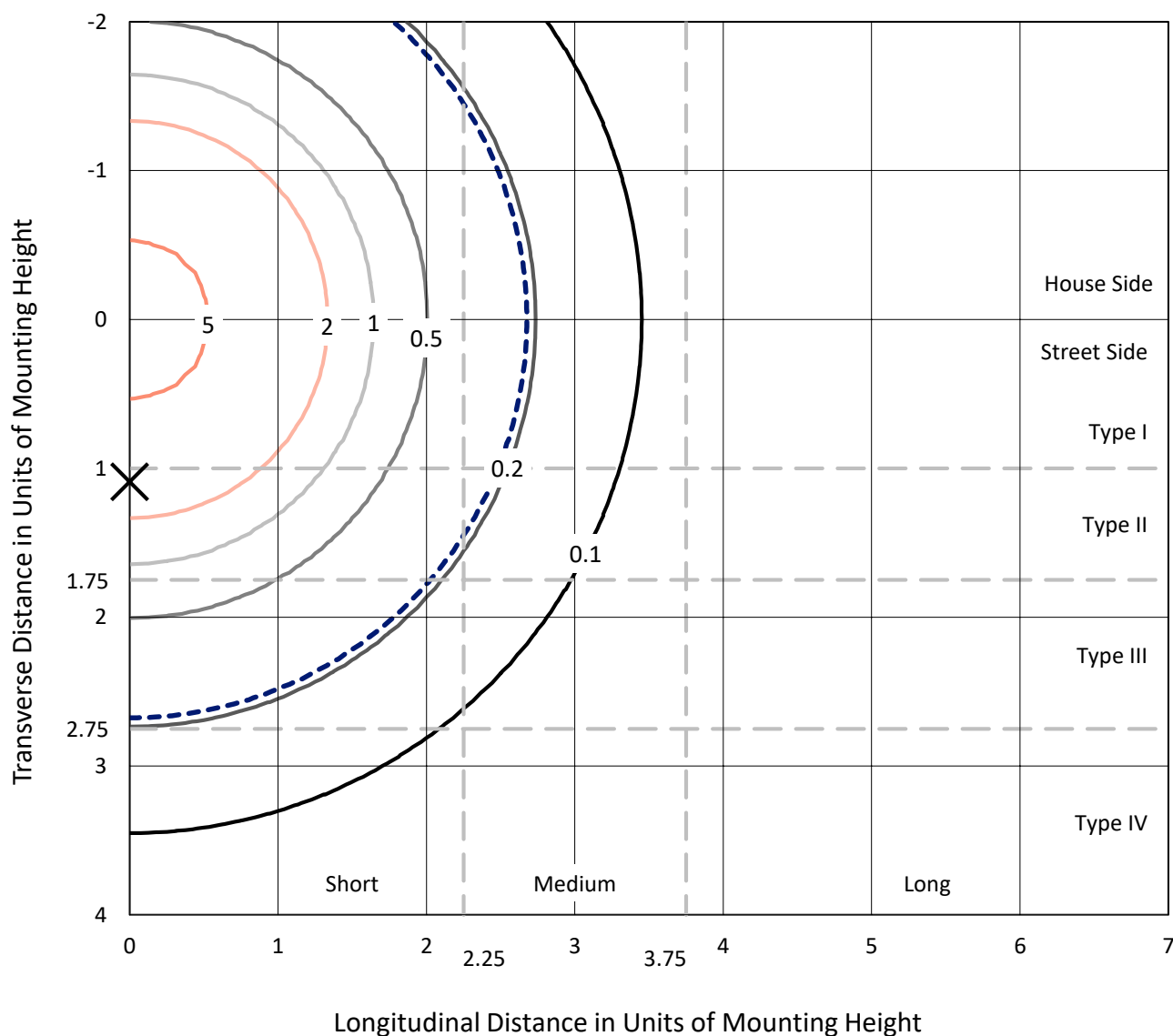
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

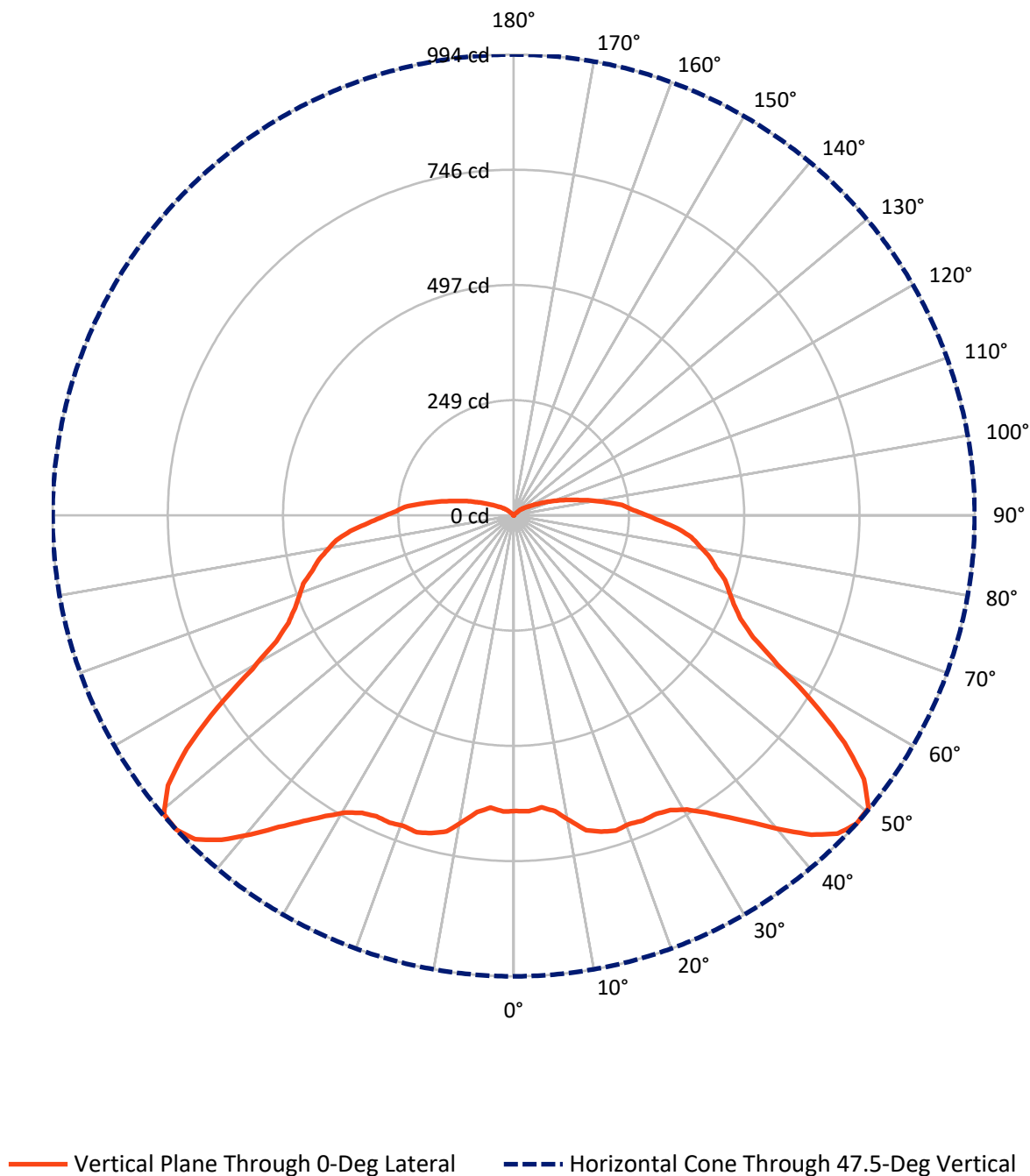


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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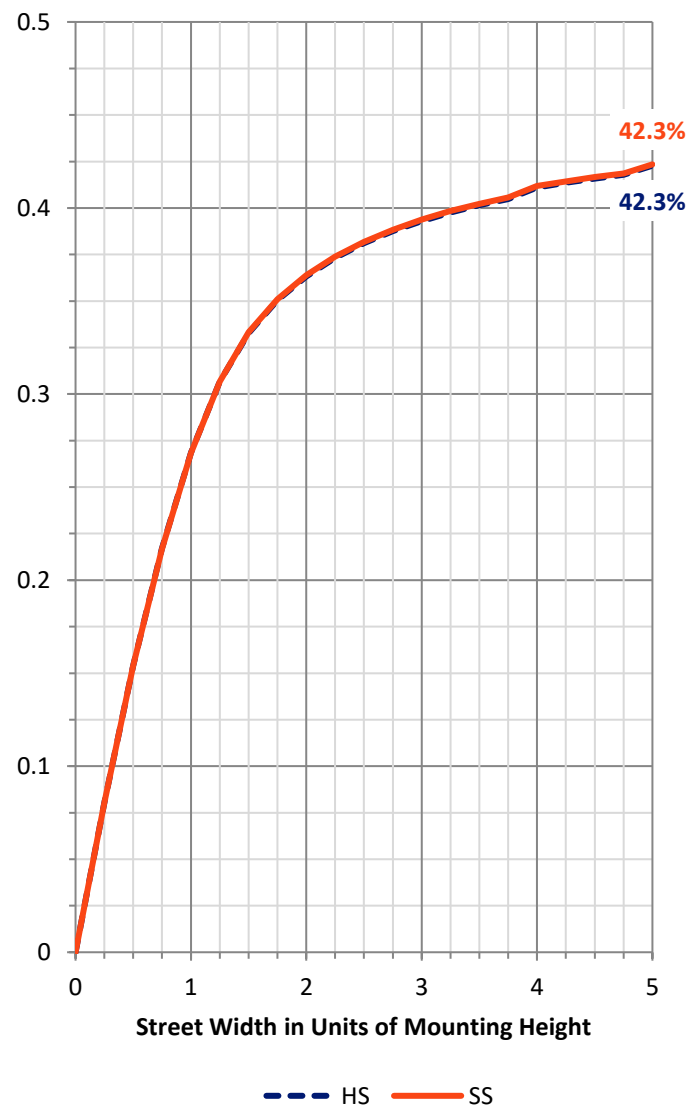
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2006.6	237.5	2244.0
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	2006.6	237.5	2244.0
	% Fixture	44.7	5.3	50.0
Total	Lumens	4013.1	474.9	4488.0
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	1.4
10°-20°	199.7	4.4
20°-30°	332.5	7.4
30°-40°	507.5	11.3
40°-50°	747.7	16.7
50°-60°	758.7	16.9
60°-70°	545.6	12.2
70°-80°	478.6	10.7
80°-90°	381.2	8.5
90°-100°	250.9	5.6
100°-110°	134.5	3.0
110°-120°	59.6	1.3
120°-130°	25.2	0.6
130°-140°	4.7	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°	4013.1	89.4
0°-180°	4488.0	100.0

Coefficient of Utilization



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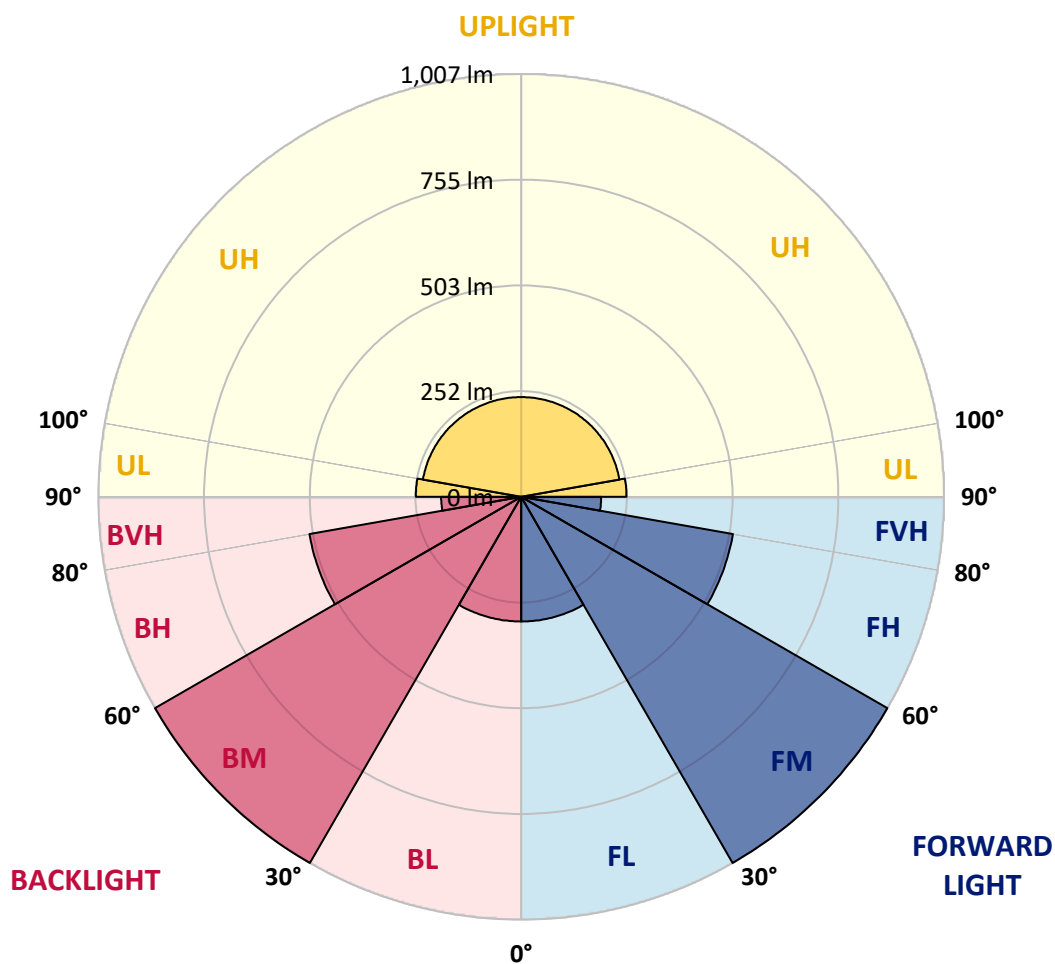
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.9	6.6			
FM	(30°-60°)	1007.0	22.4			
FH	(60°-80°)	512.1	11.4			G0/660
FVH	(80°-90°)	190.6	4.2			G2/225
BL	(0°-30°)	296.9	6.6	B1/500		
BM	(30°-60°)	1007.0	22.4	B2/2500		
BH	(60°-80°)	512.1	11.4	B2/1000		G0/660
BVH	(80°-90°)	190.6	4.2			G2/225
UL	(90°-100°)	250.9	5.6		U3/500	
UH	(100°-180°)	237.5	5.3		U3/500	

BUG Rating: B2-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	637.6
2.5°	638.9
5°	632.2
7.5°	644.3
10°	670.0
12.5°	697.0
15°	707.8
17.5°	714.6
20°	710.5
22.5°	714.6
25°	713.2
27.5°	720.0
30°	736.2
32.5°	764.5
35°	799.7
37.5°	841.5
40°	891.5
42.5°	941.5
45°	979.3
47.5°	994.2
50°	991.5
52.5°	945.6
55°	865.9
57.5°	761.8
60°	653.8
62.5°	579.5
65°	537.6
67.5°	511.9
70°	493.0
72.5°	476.8
75°	451.2
77.5°	432.3
80°	407.9
82.5°	386.3
85°	353.9
87.5°	313.4
90°	281.0
92.5°	253.9
95°	235.0
97.5°	202.6
100°	174.3
102.5°	147.2
105°	124.3
107.5°	105.4
110°	86.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.6
115°	56.7
117.5°	48.6
120°	37.8
122.5°	33.8
125°	27.0
127.5°	23.0
130°	17.6
132.5°	9.5
135°	4.1
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)