

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: P212619

Luminaire Tested: **MPW-AF-D-U-SYM-7050-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212619
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-7050-600
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2957 lumens
Efficiency: N/A
Efficacy: 87.0 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

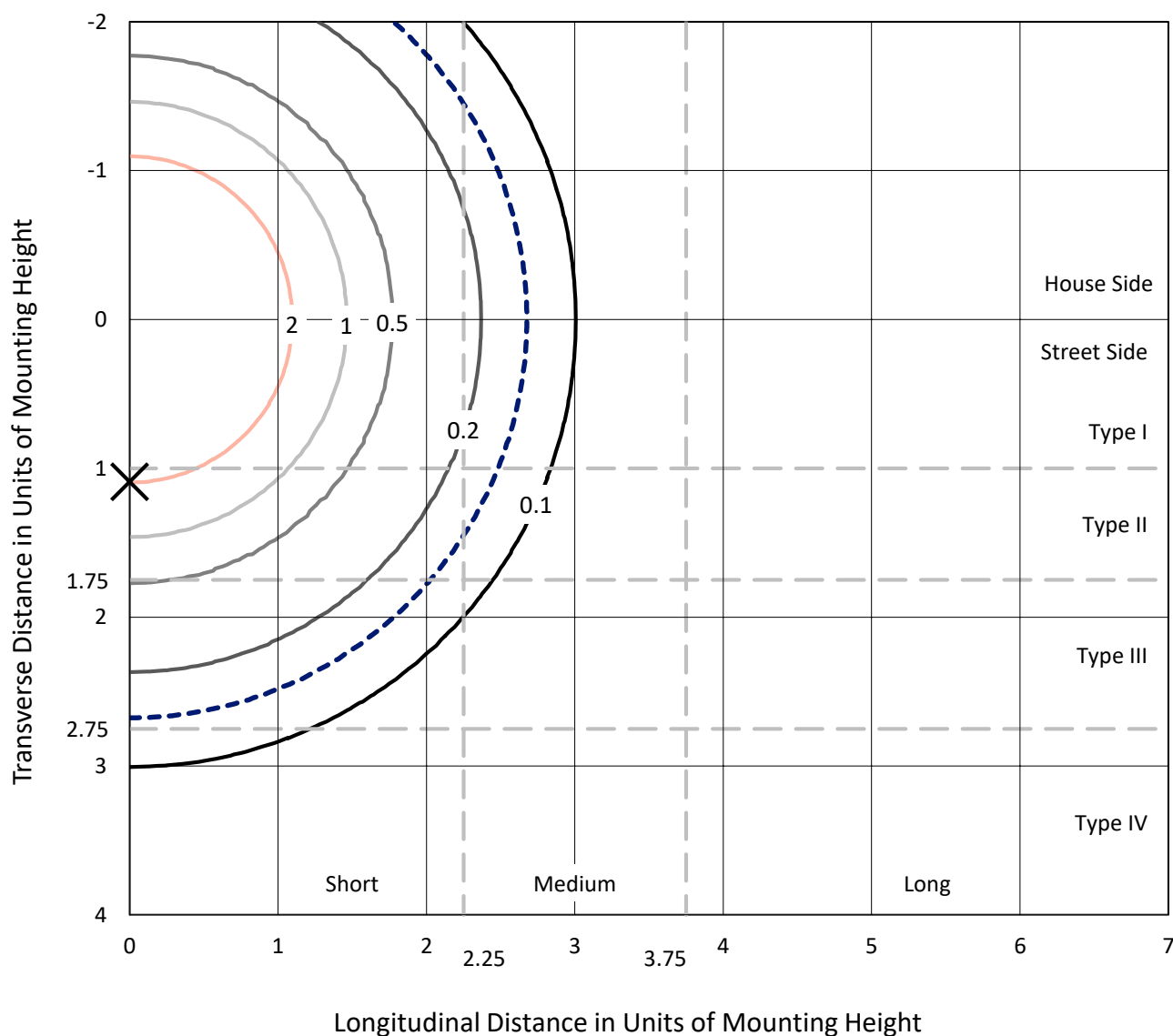


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

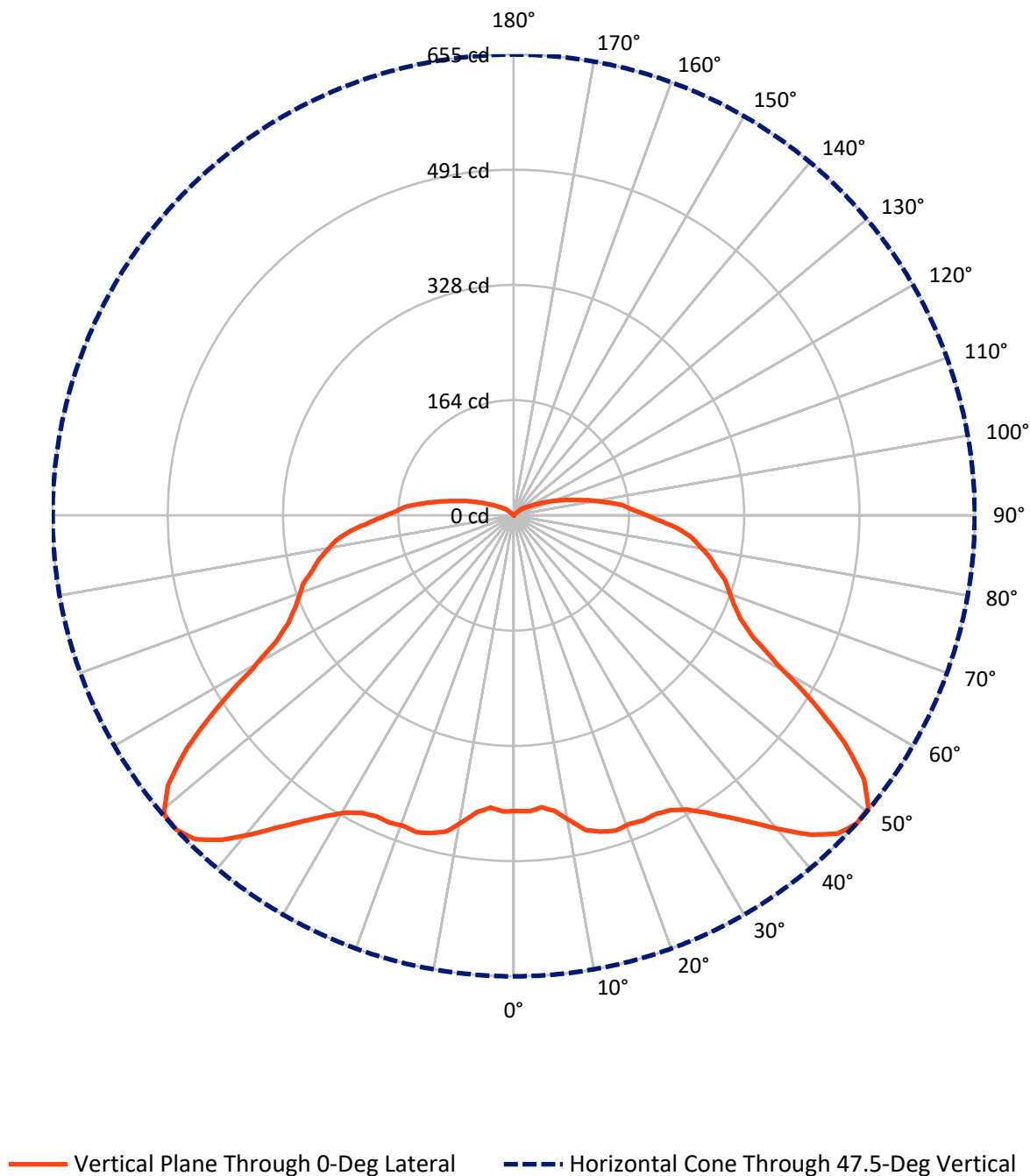


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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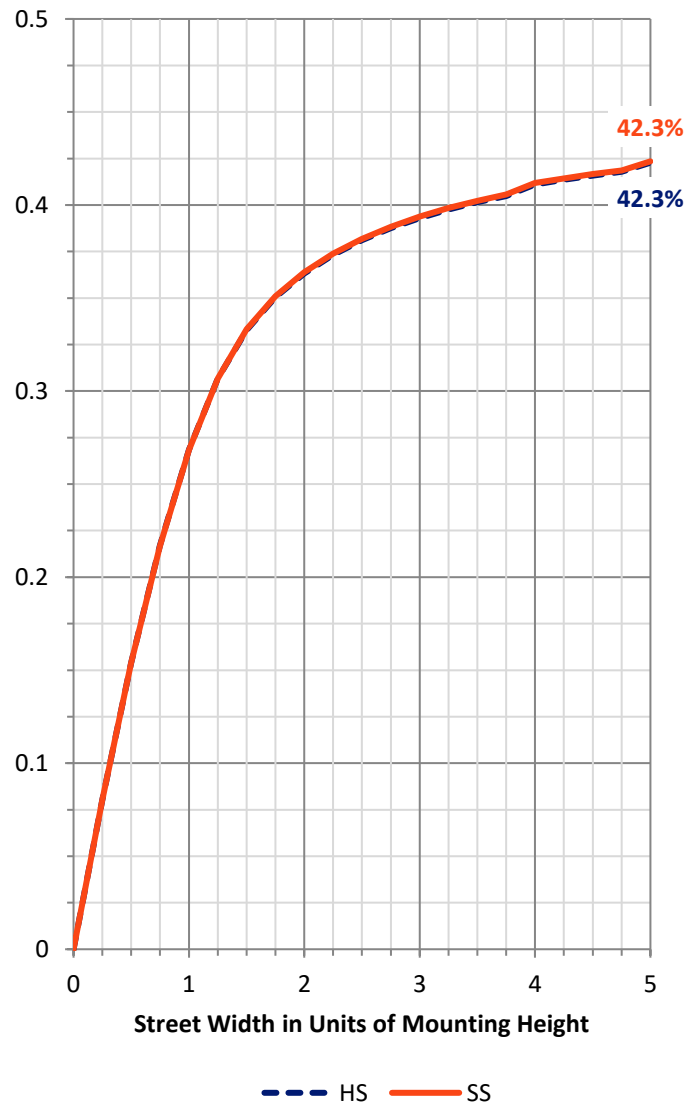
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1322.1	156.4	1478.5
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1322.1	156.4	1478.5
	% Fixture	44.7	5.3	50.0
Total	Lumens	2644.1	312.9	2957.0
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	1.4
10°-20°	131.6	4.4
20°-30°	219.1	7.4
30°-40°	334.4	11.3
40°-50°	492.7	16.7
50°-60°	499.9	16.9
60°-70°	359.5	12.2
70°-80°	315.3	10.7
80°-90°	251.1	8.5
90°-100°	165.3	5.6
100°-110°	88.6	3.0
110°-120°	39.3	1.3
120°-130°	16.6	0.6
130°-140°	3.1	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°	2644.1	89.4
0°-180°	2957.0	100.0

Coefficient of Utilization



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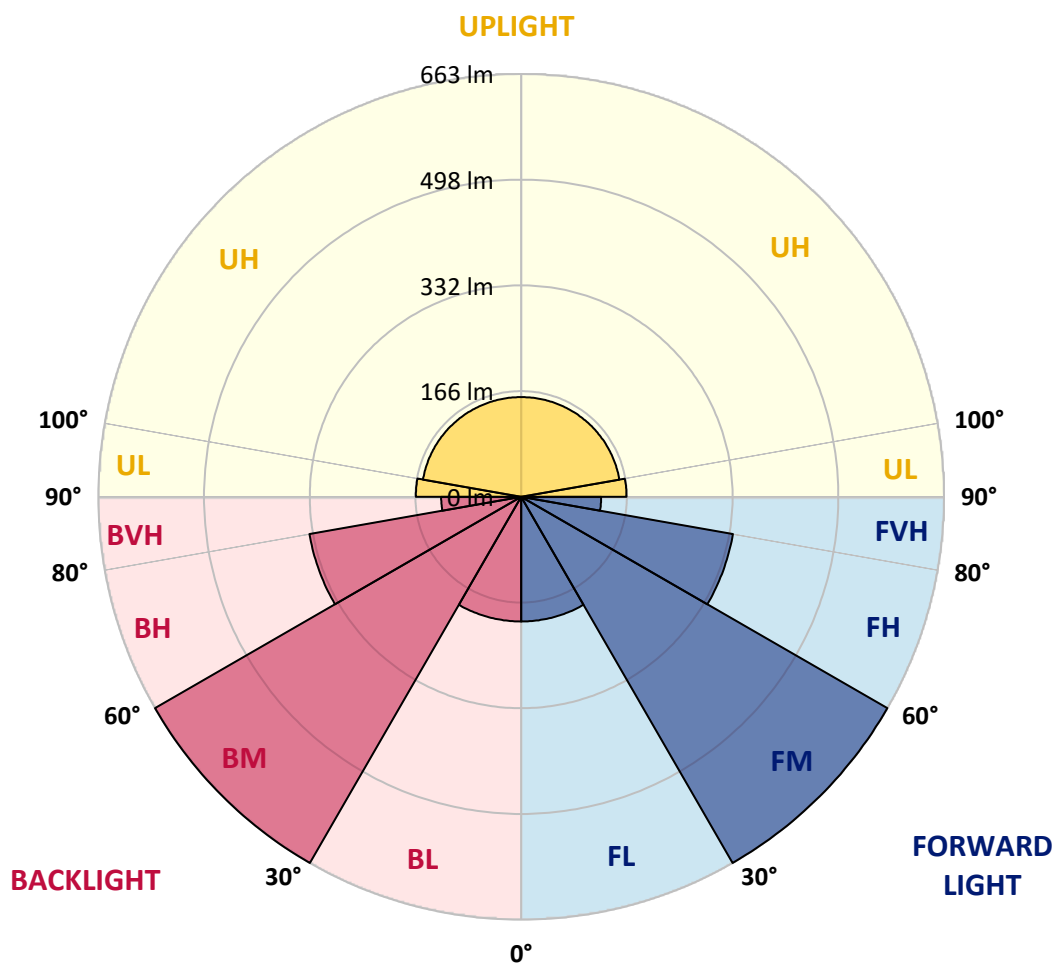
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.6	6.6			
FM	(30°-60°)	663.5	22.4			
FH	(60°-80°)	337.4	11.4			G0/660
FVH	(80°-90°)	125.6	4.2			G2/225
BL	(0°-30°)	195.6	6.6	B1/500		
BM	(30°-60°)	663.5	22.4	B1/1000		
BH	(60°-80°)	337.4	11.4	B1/500		G0/660
BVH	(80°-90°)	125.6	4.2			G2/225
UL	(90°-100°)	165.3	5.6		U3/500	
UH	(100°-180°)	156.4	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	420.1
2.5°	421.0
5°	416.5
7.5°	424.5
10°	441.4
12.5°	459.2
15°	466.4
17.5°	470.8
20°	468.1
22.5°	470.8
25°	469.9
27.5°	474.4
30°	485.0
32.5°	503.7
35°	526.9
37.5°	554.5
40°	587.4
42.5°	620.3
45°	645.2
47.5°	655.0
50°	653.3
52.5°	623.0
55°	570.5
57.5°	502.0
60°	430.8
62.5°	381.8
65°	354.2
67.5°	337.3
70°	324.8
72.5°	314.2
75°	297.3
77.5°	284.8
80°	268.8
82.5°	254.5
85°	233.2
87.5°	206.5
90°	185.1
92.5°	167.3
95°	154.9
97.5°	133.5
100°	114.8
102.5°	97.0
105°	81.9
107.5°	69.4
110°	57.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.2
115°	37.4
117.5°	32.0
120°	24.9
122.5°	22.2
125°	17.8
127.5°	15.1
130°	11.6
132.5°	6.2
135°	2.7
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)