

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: P271891

Luminaire Tested: **MPW-AF-D-U-SYM-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271891
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-7027-600
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2568.6 lumens
Efficiency: N/A
Efficacy: 75.5 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

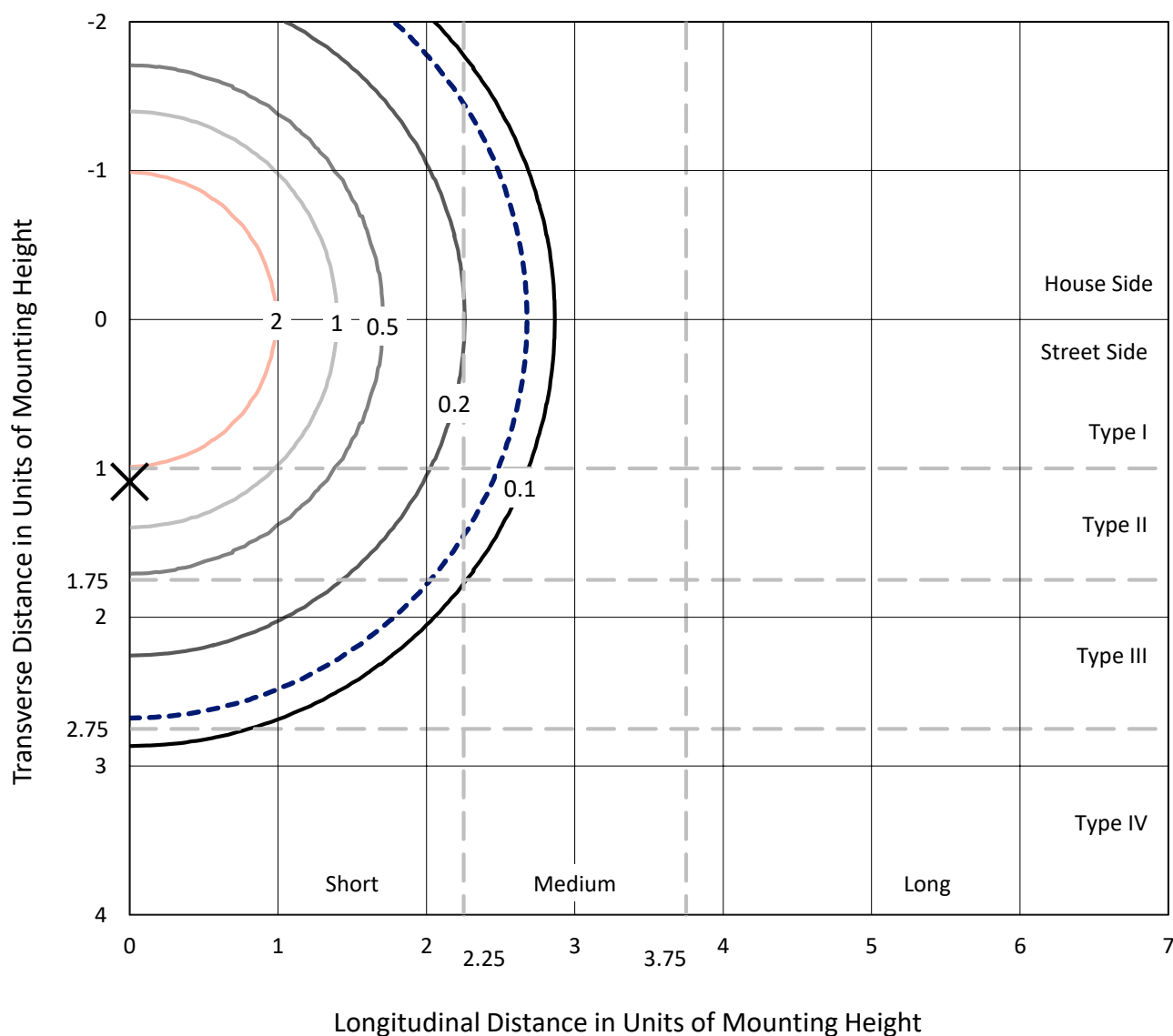


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

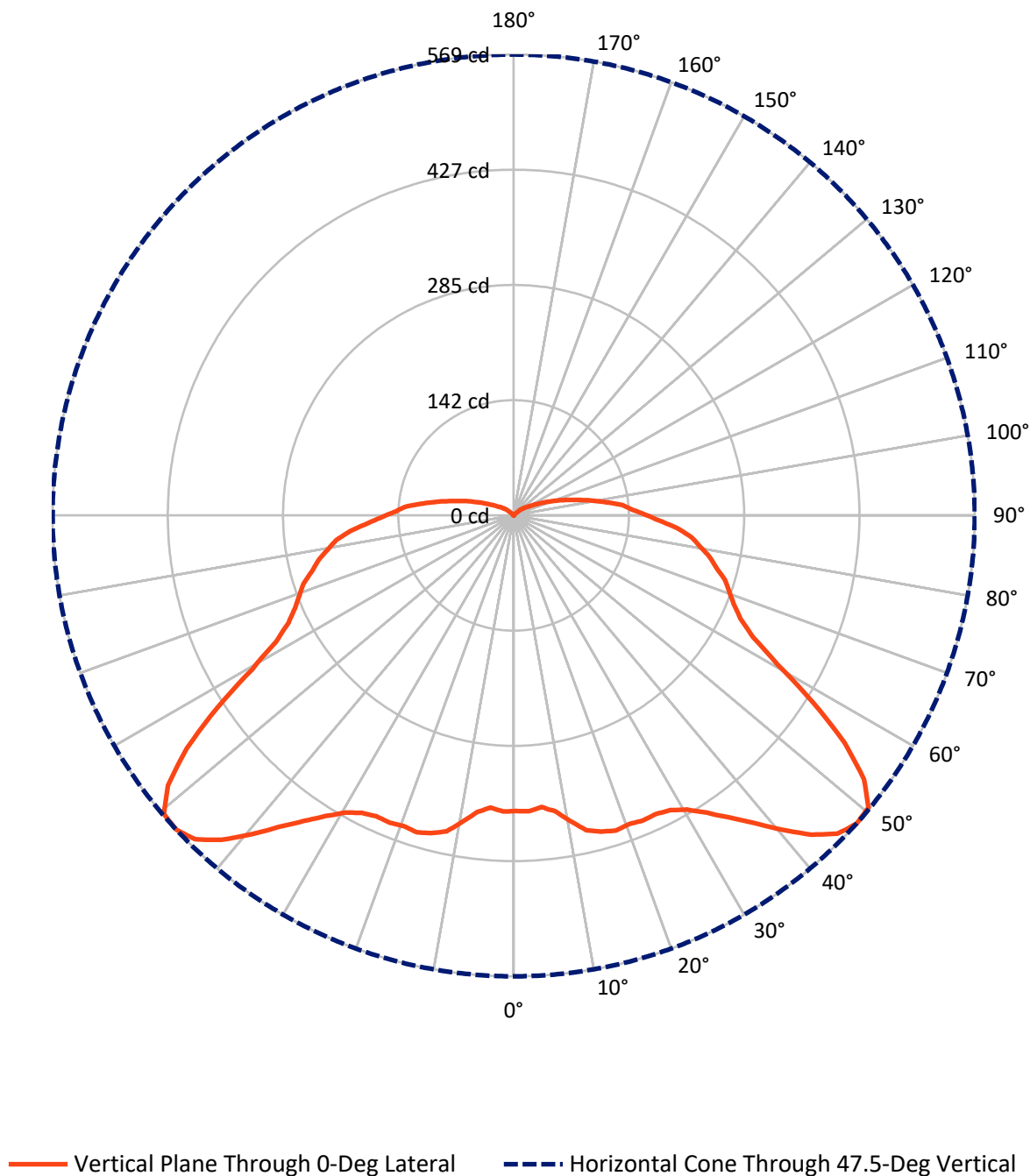


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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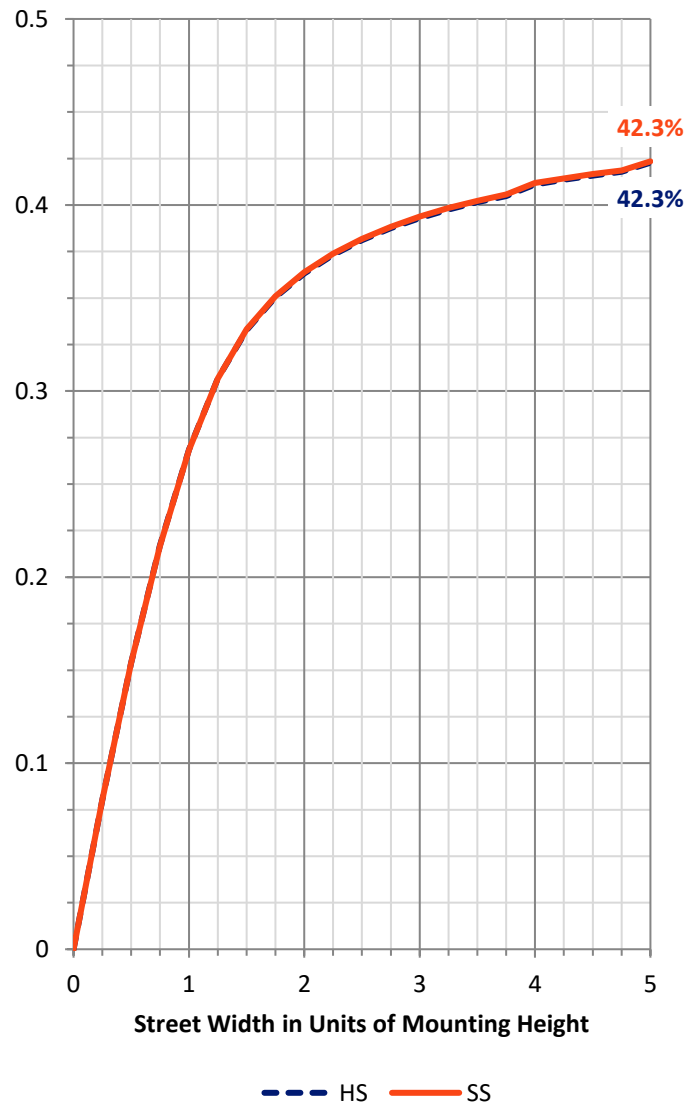
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1148.4	135.9	1284.3
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1148.4	135.9	1284.3
	% Fixture	44.7	5.3	50.0
Total	Lumens	2296.8	271.8	2568.6
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	1.4
10°-20°	114.3	4.4
20°-30°	190.3	7.4
30°-40°	290.5	11.3
40°-50°	427.9	16.7
50°-60°	434.2	16.9
60°-70°	312.2	12.2
70°-80°	273.9	10.7
80°-90°	218.2	8.5
90°-100°	143.6	5.6
100°-110°	77.0	3.0
110°-120°	34.1	1.3
120°-130°	14.4	0.6
130°-140°	2.6	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°	2296.8	89.4
0°-180°	2568.6	100.0

Coefficient of Utilization



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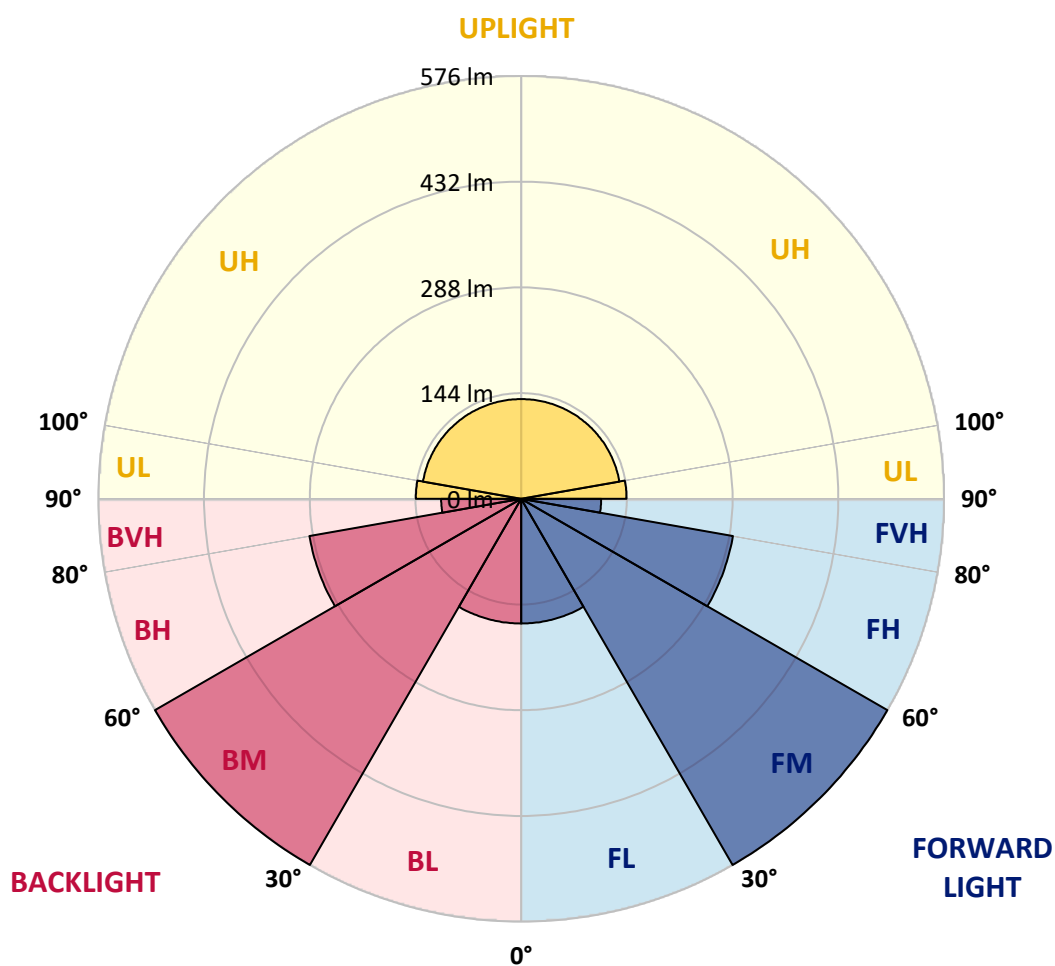
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.9	6.6			
FM	(30°-60°)	576.3	22.4			
FH	(60°-80°)	293.1	11.4			G0/660
FVH	(80°-90°)	109.1	4.2			G2/225
BL	(0°-30°)	169.9	6.6	B1/500		
BM	(30°-60°)	576.3	22.4	B1/1000		
BH	(60°-80°)	293.1	11.4	B1/500		G0/660
BVH	(80°-90°)	109.1	4.2			G2/225
UL	(90°-100°)	143.6	5.6		U3/500	
UH	(100°-180°)	135.9	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	364.9
2.5°	365.7
5°	361.7
7.5°	368.8
10°	383.5
12.5°	398.8
15°	405.0
17.5°	409.0
20°	406.7
22.5°	409.0
25°	408.2
27.5°	412.1
30°	421.3
32.5°	437.6
35°	457.7
37.5°	481.6
40°	510.2
42.5°	538.8
45°	560.5
47.5°	569.0
50°	567.4
52.5°	541.2
55°	495.5
57.5°	435.9
60°	374.1
62.5°	331.7
65°	307.7
67.5°	292.9
70°	282.2
72.5°	272.8
75°	258.3
77.5°	247.4
80°	233.5
82.5°	221.2
85°	202.6
87.5°	179.3
90°	160.8
92.5°	145.3
95°	134.6
97.5°	115.9
100°	99.7
102.5°	84.4
105°	71.1
107.5°	60.3
110°	49.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	41.0
115°	32.5
117.5°	27.8
120°	21.6
122.5°	19.3
125°	15.5
127.5°	13.1
130°	10.0
132.5°	5.4
135°	2.3
137.5°	0.0
140°	0.8
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)