

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: P271890

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271890
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
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3899.5 lumens
Efficiency: N/A
Efficacy: 67.2 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



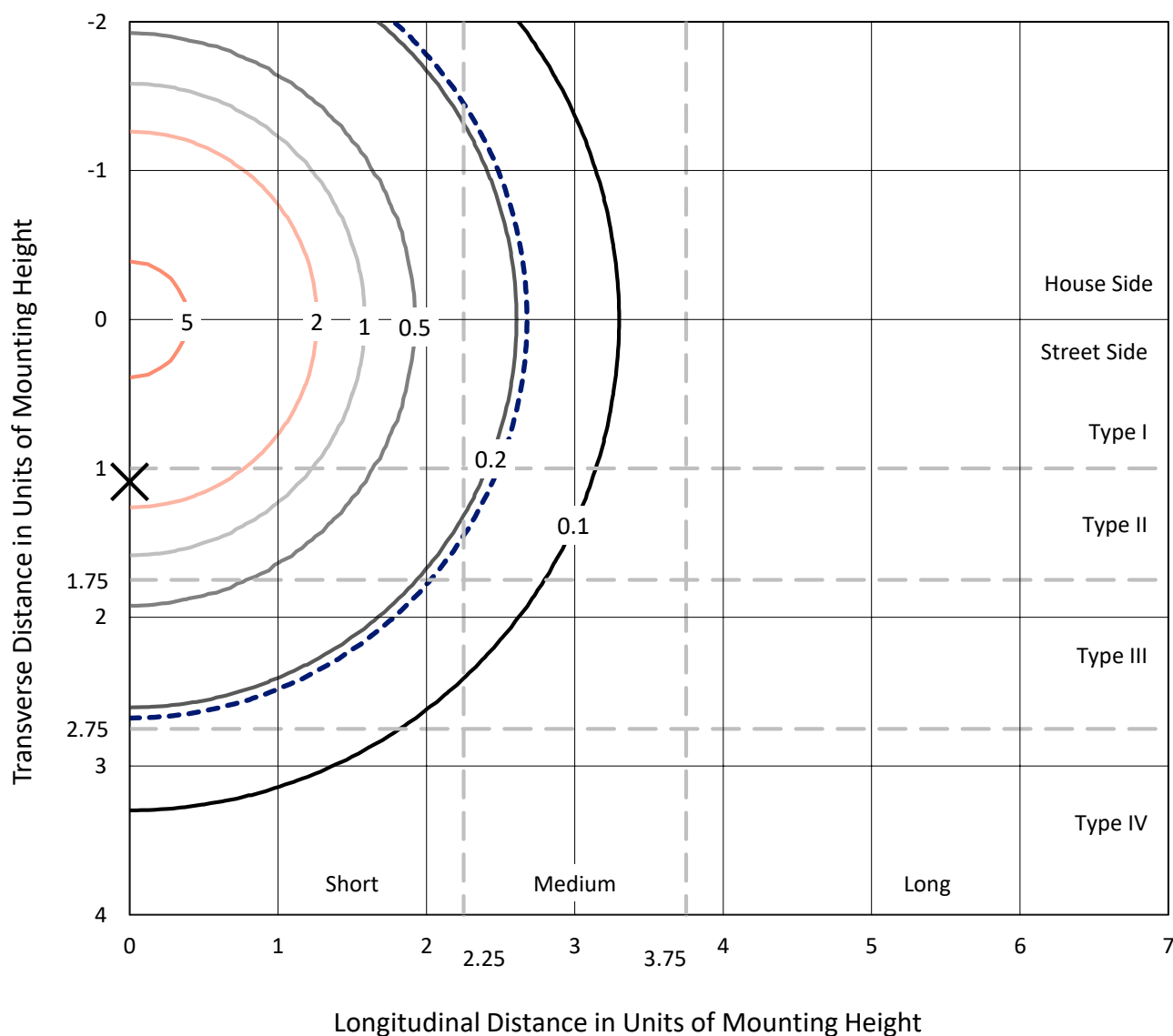
REPORT NUMBER: P271890

CATALOG NUMBER: MPW-AF-D-U-SYM-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

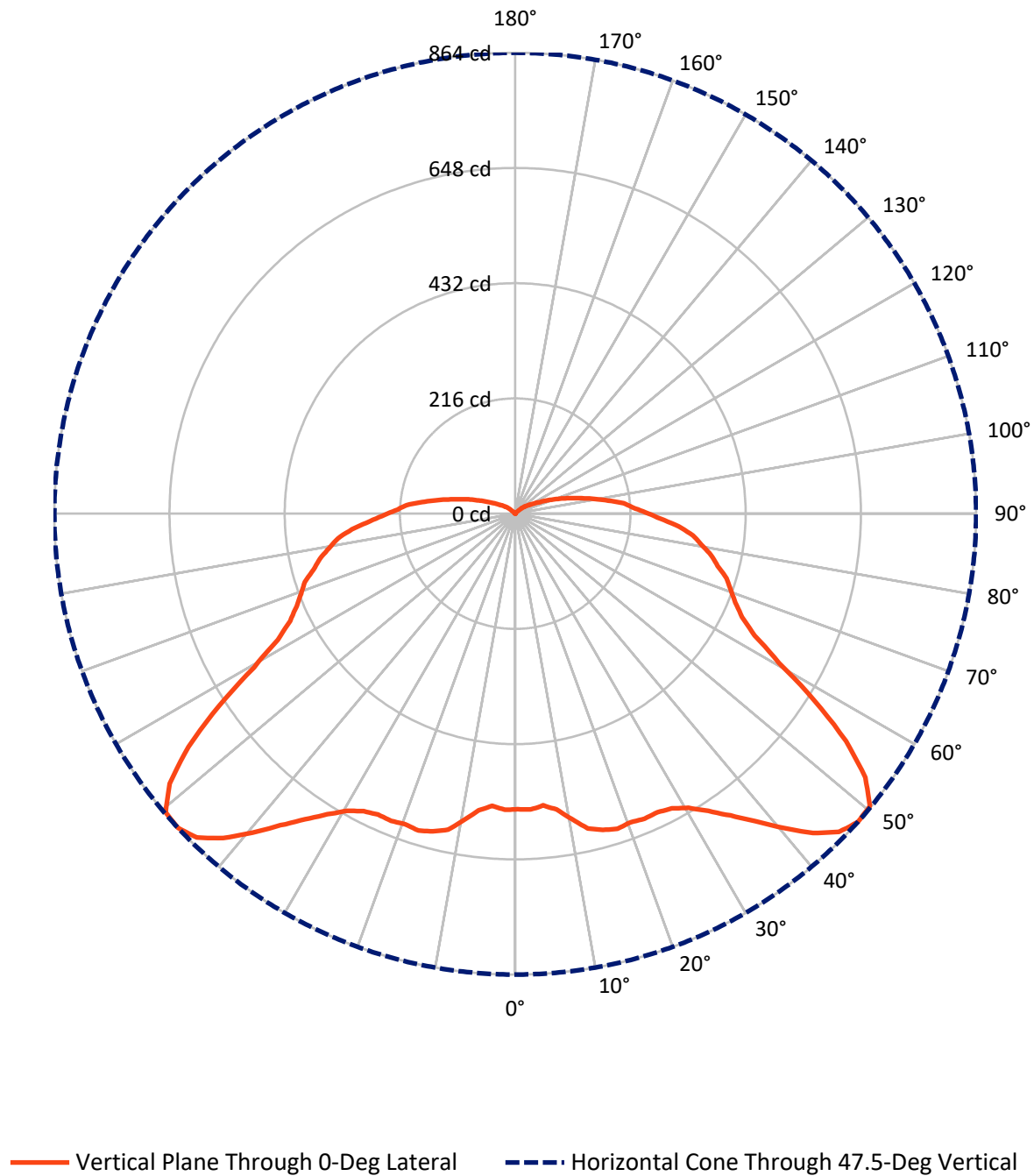


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P271890

CATALOG NUMBER: MPW-AF-D-U-SYM-7027

Luminous Intensity Polar Plot



REPORT NUMBER: P271890

CATALOG NUMBER: MPW-AF-D-U-SYM-7027

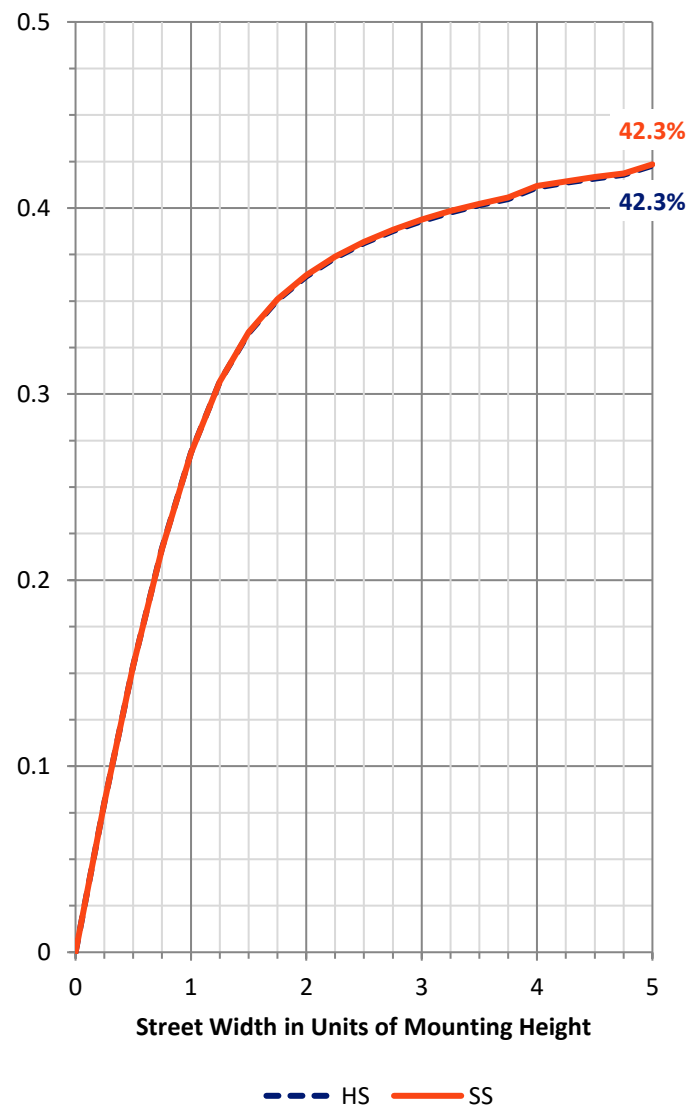
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1743.4	206.3	1949.7
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1743.4	206.3	1949.7
	% Fixture	44.7	5.3	50.0
Total	Lumens	3486.8	412.6	3899.5
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	1.4
10°-20°	173.5	4.4
20°-30°	288.9	7.4
30°-40°	441.0	11.3
40°-50°	649.7	16.7
50°-60°	659.2	16.9
60°-70°	474.0	12.2
70°-80°	415.8	10.7
80°-90°	331.2	8.5
90°-100°	218.0	5.6
100°-110°	116.8	3.0
110°-120°	51.8	1.3
120°-130°	21.9	0.6
130°-140°	4.0	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°	3486.8	89.4
0°-180°	3899.5	100.0

Coefficient of Utilization



REPORT NUMBER: P271890

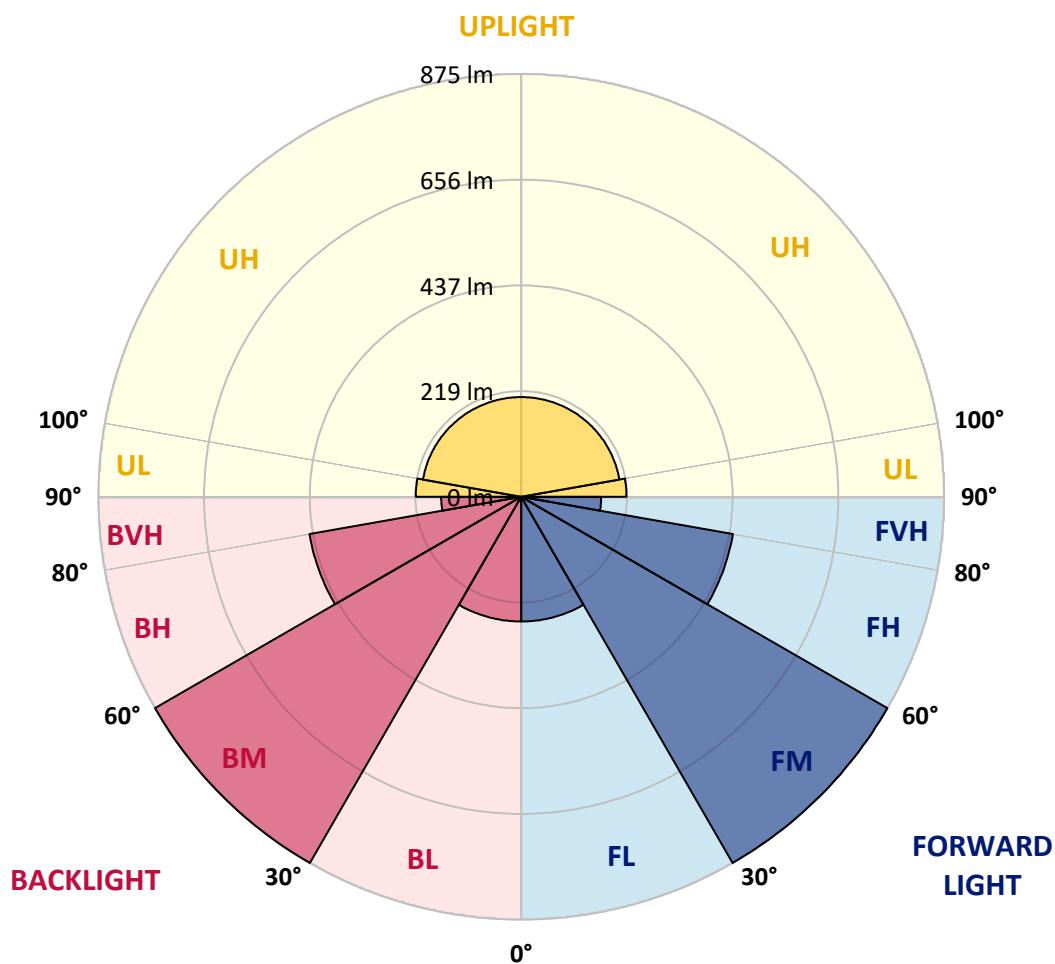
CATALOG NUMBER: MPW-AF-D-U-SYM-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.0	6.6			
FM	(30°-60°)	874.9	22.4			
FH	(60°-80°)	444.9	11.4			G0/660
FVH	(80°-90°)	165.6	4.2			G2/225
BL	(0°-30°)	258.0	6.6	B1/500		
BM	(30°-60°)	874.9	22.4	B1/1000		
BH	(60°-80°)	444.9	11.4	B1/500		G0/660
BVH	(80°-90°)	165.6	4.2			G2/225
UL	(90°-100°)	218.0	5.6		U3/500	
UH	(100°-180°)	206.3	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





REPORT NUMBER: P271890

CATALOG NUMBER: MPW-AF-D-U-SYM-7027

CANDELA DISTRIBUTION (FULL):

0°	
0°	554.0
2.5°	555.2
5°	549.2
7.5°	559.8
10°	582.1
12.5°	605.5
15°	615.0
17.5°	620.9
20°	617.3
22.5°	620.9
25°	619.7
27.5°	625.6
30°	639.6
32.5°	664.3
35°	694.7
37.5°	731.2
40°	774.6
42.5°	818.1
45°	850.9
47.5°	863.8
50°	861.5
52.5°	821.5
55°	752.3
57.5°	661.9
60°	568.1
62.5°	503.5
65°	467.1
67.5°	444.8
70°	428.4
72.5°	414.3
75°	392.0
77.5°	375.6
80°	354.4
82.5°	335.7
85°	307.5
87.5°	272.3
90°	244.1
92.5°	220.6
95°	204.3
97.5°	176.1
100°	151.5
102.5°	127.9
105°	108.0
107.5°	91.5
110°	75.1



REPORT NUMBER: P271890

CATALOG NUMBER: MPW-AF-D-U-SYM-7027

CANDELA DISTRIBUTION (continued):

	0°
112.5°	62.3
115°	49.2
117.5°	42.2
120°	32.9
122.5°	29.4
125°	23.4
127.5°	19.9
130°	15.2
132.5°	8.3
135°	3.5
137.5°	0.0
140°	1.2
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)