

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: P212618

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212618
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-600
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3024.8 lumens
Efficiency: N/A
Efficacy: 89.0 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

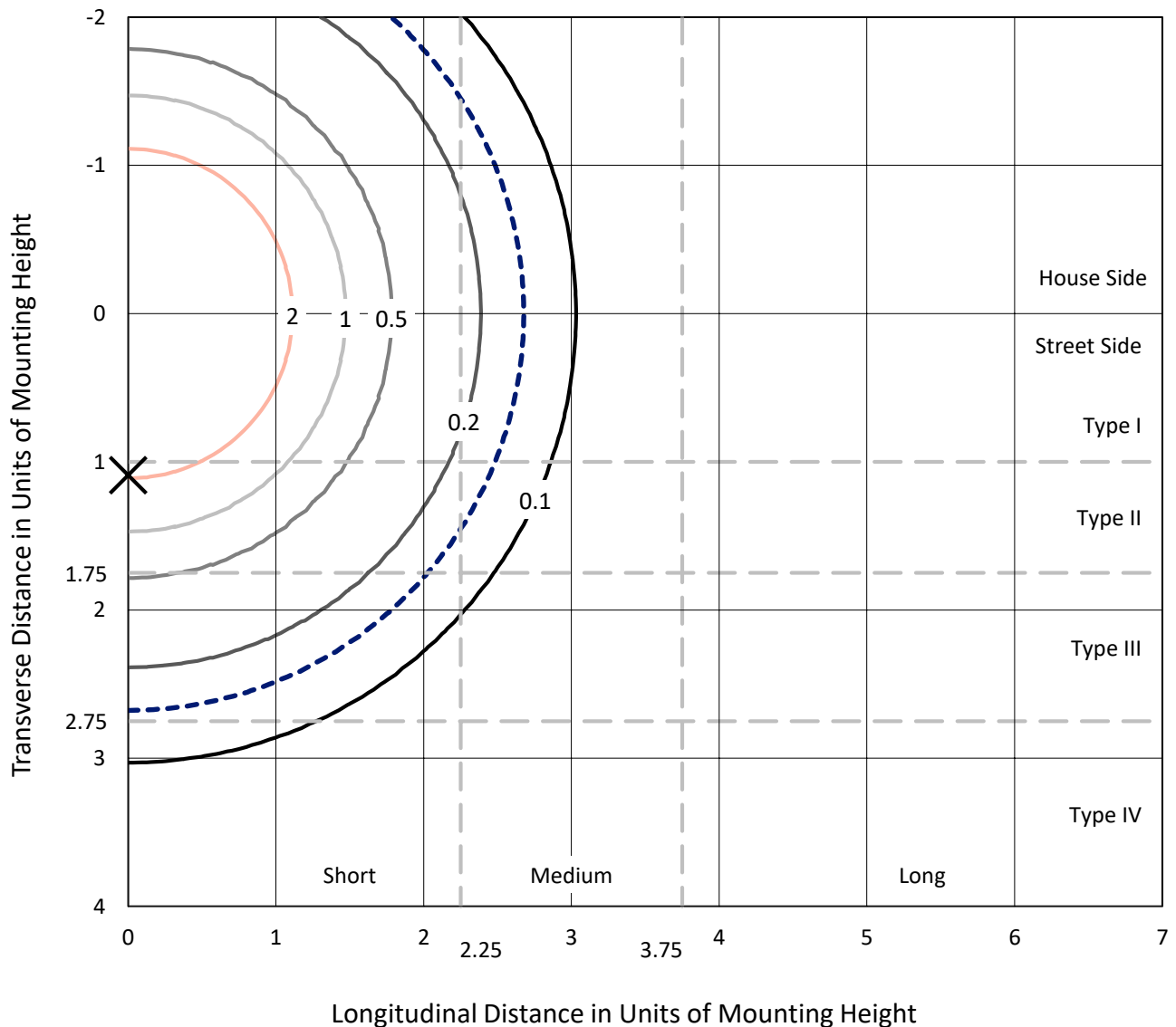


REPORT NUMBER: P212618

CATALOG NUMBER: MPW-AF-D-U-SYM-600

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

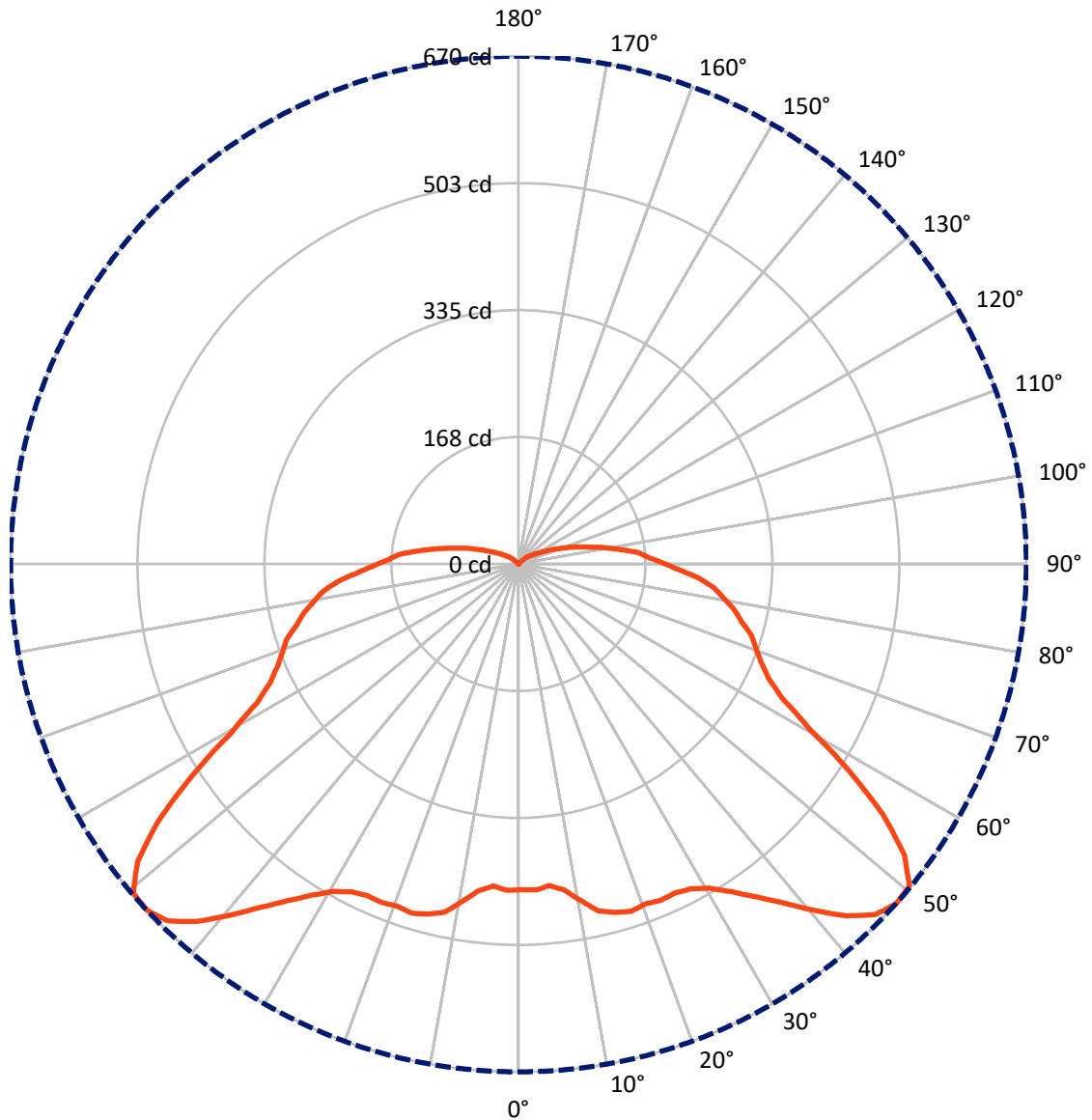


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P212618

CATALOG NUMBER: MPW-AF-D-U-SYM-600

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 47.5-Deg Vertical



REPORT NUMBER: P212618

CATALOG NUMBER: MPW-AF-D-U-SYM-600

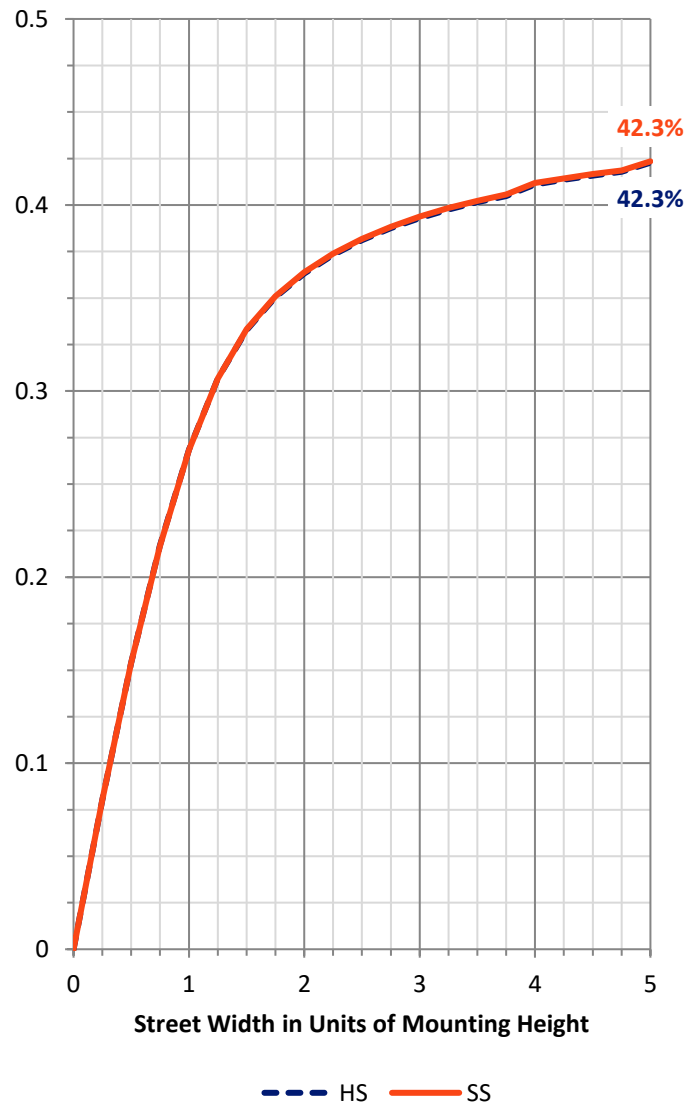
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1352.4	160.0	1512.4
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1352.4	160.0	1512.4
	% Fixture	44.7	5.3	50.0
Total	Lumens	2704.8	320.1	3024.8
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	1.4
10°-20°	134.6	4.4
20°-30°	224.1	7.4
30°-40°	342.1	11.3
40°-50°	503.9	16.7
50°-60°	511.4	16.9
60°-70°	367.7	12.2
70°-80°	322.6	10.7
80°-90°	256.9	8.5
90°-100°	169.1	5.6
100°-110°	90.6	3.0
110°-120°	40.2	1.3
120°-130°	16.9	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°	2704.8	89.4
0°-180°	3024.8	100.0

Coefficient of Utilization



REPORT NUMBER: P212618

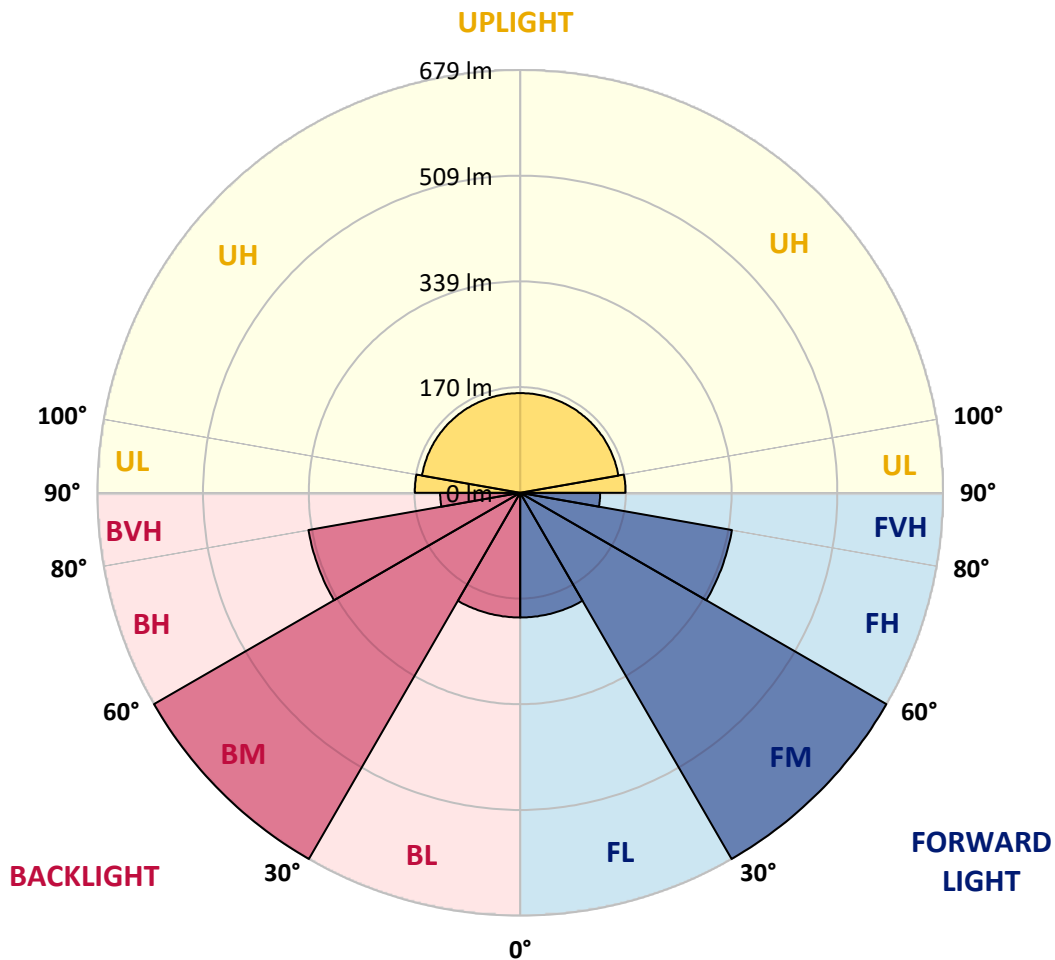
CATALOG NUMBER: MPW-AF-D-U-SYM-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.1	6.6			
FM (30°-60°)	678.7	22.4			
FH (60°-80°)	345.1	11.4			G0/660
FVH (80°-90°)	128.4	4.2			G2/225
BL (0°-30°)	200.1	6.6	B1/500		
BM (30°-60°)	678.7	22.4	B1/1000		
BH (60°-80°)	345.1	11.4	B1/500		G0/660
BVH (80°-90°)	128.4	4.2			G2/225
UL (90°-100°)	169.1	5.6		U3/500	
UH (100°-180°)	160.0	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





REPORT NUMBER: P212618

CATALOG NUMBER: MPW-AF-D-U-SYM-600

CANDELA DISTRIBUTION (FULL):

	0°
0°	429.7
2.5°	430.7
5°	426.1
7.5°	434.2
10°	451.5
12.5°	469.7
15°	477.1
17.5°	481.6
20°	478.8
22.5°	481.6
25°	480.7
27.5°	485.3
30°	496.1
32.5°	515.3
35°	539.0
37.5°	567.2
40°	600.9
42.5°	634.5
45°	660.0
47.5°	670.0
50°	668.3
52.5°	637.3
55°	583.6
57.5°	513.5
60°	440.7
62.5°	390.6
65°	362.3
67.5°	345.0
70°	332.3
72.5°	321.4
75°	304.1
77.5°	291.3
80°	275.0
82.5°	260.3
85°	238.6
87.5°	211.2
90°	189.3
92.5°	171.1
95°	158.5
97.5°	136.6
100°	117.4
102.5°	99.2
105°	83.8
107.5°	71.0
110°	58.3



REPORT NUMBER: P212618

CATALOG NUMBER: MPW-AF-D-U-SYM-600

CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.3
115°	38.3
117.5°	32.7
120°	25.5
122.5°	22.7
125°	18.2
127.5°	15.4
130°	11.9
132.5°	6.3
135°	2.8
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)