

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: P212627

Luminaire Tested: **MPW-AF-D-U-SYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212627
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-7030
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4340.9 lumens
Efficiency: N/A
Efficacy: 74.8 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

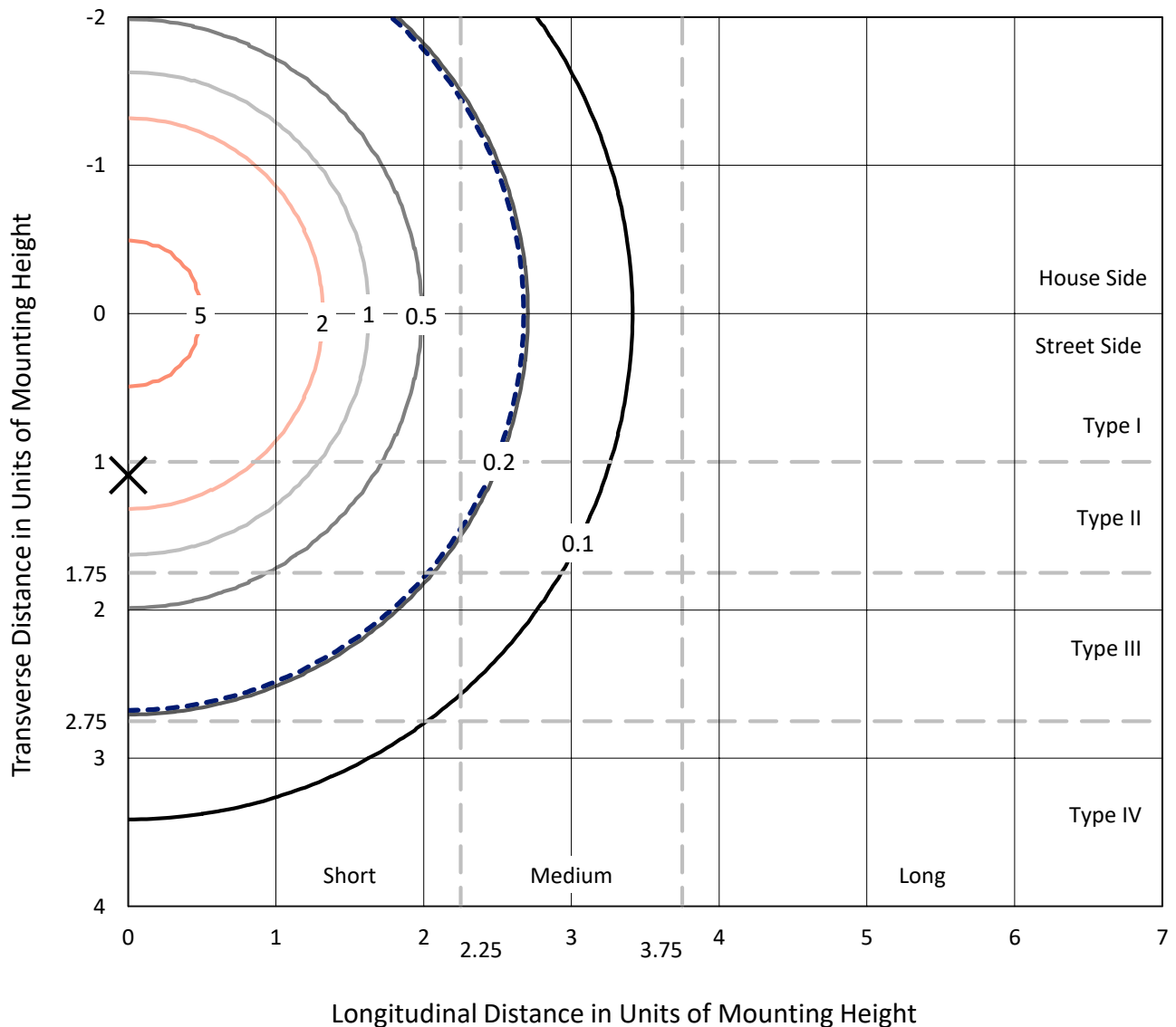


REPORT NUMBER: P212627

CATALOG NUMBER: MPW-AF-D-U-SYM-7030

Iso-Footcandle Lines of Horizontal Illumination

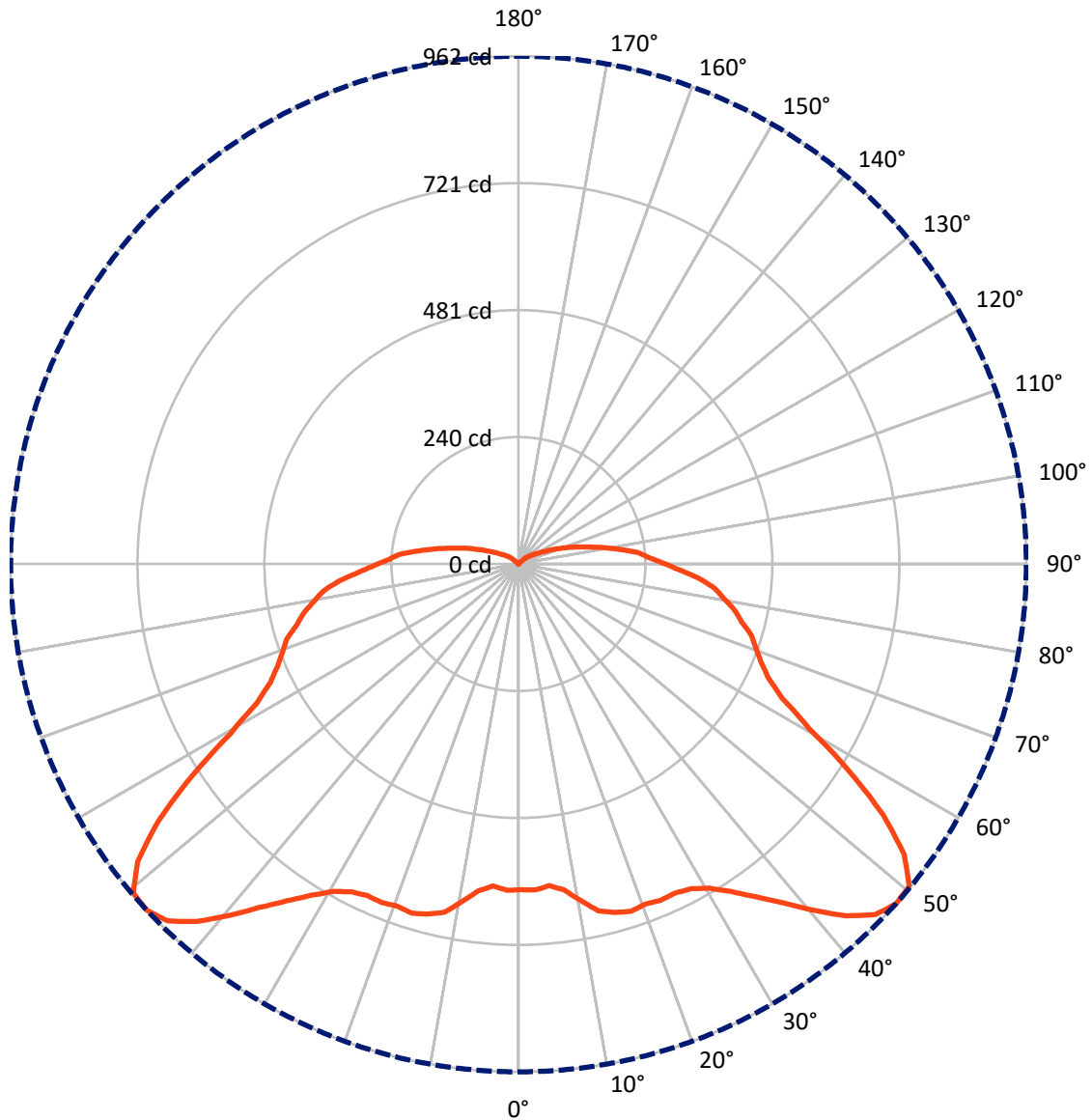
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P212627
CATALOG NUMBER: MPW-AF-D-U-SYM-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P212627

CATALOG NUMBER: MPW-AF-D-U-SYM-7030

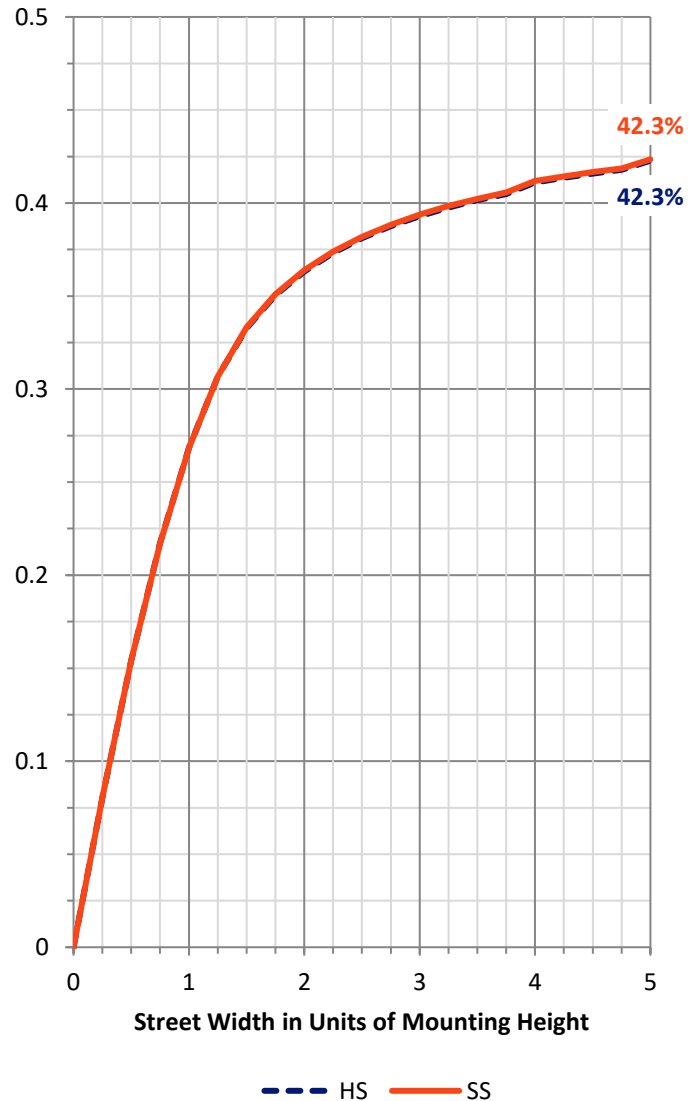
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1940.8	229.7	2170.5
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1940.8	229.7	2170.5
	% Fixture	44.7	5.3	50.0
Total	Lumens	3881.6	459.3	4340.9
	% Fixture	89.4	10.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.4
10°-20°	193.1	4.4
20°-30°	321.6	7.4
30°-40°	490.9	11.3
40°-50°	723.2	16.7
50°-60°	733.8	16.9
60°-70°	527.7	12.2
70°-80°	462.9	10.7
80°-90°	368.7	8.5
90°-100°	242.7	5.6
100°-110°	130.1	3.0
110°-120°	57.7	1.3
120°-130°	24.3	0.6
130°-140°	4.5	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°	3881.6	89.4
0°-180°	4340.9	100.0



REPORT NUMBER: P212627

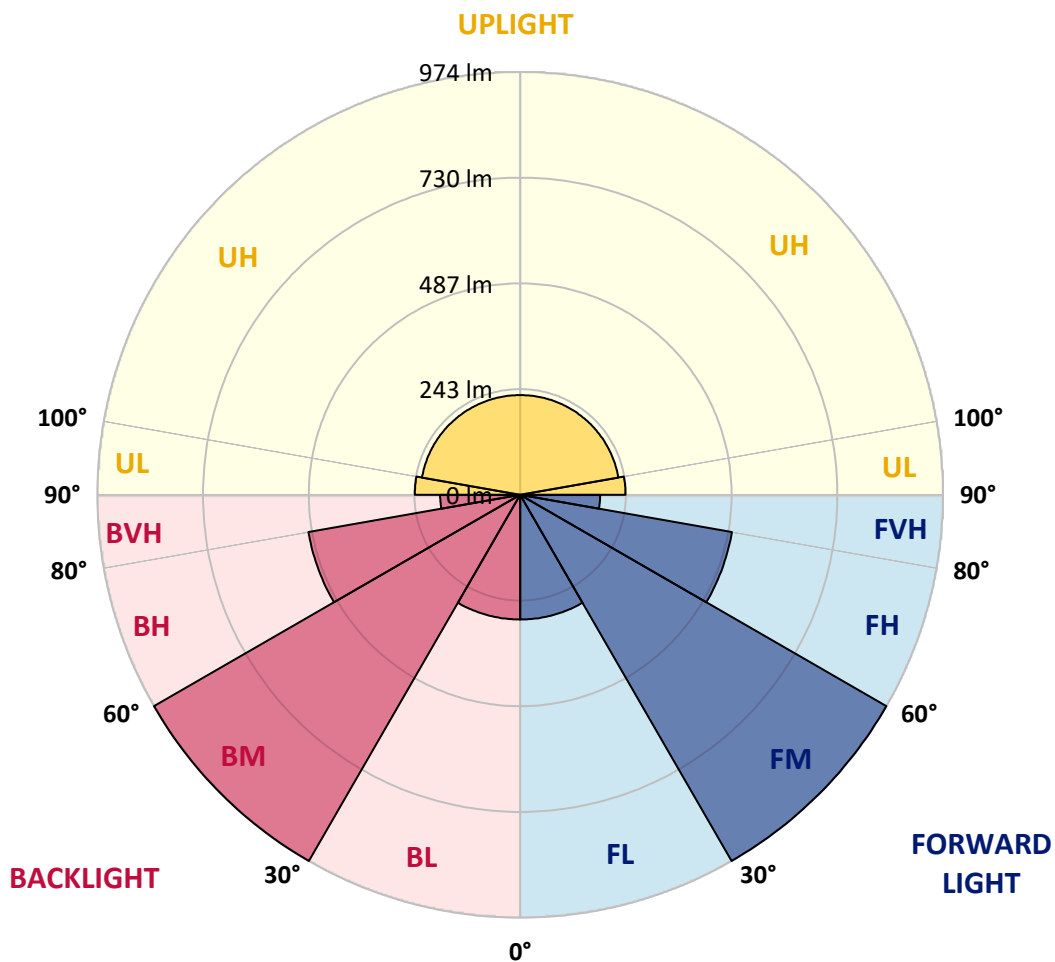
CATALOG NUMBER: MPW-AF-D-U-SYM-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.2	6.6			
FM (30°-60°)	974.0	22.4			
FH (60°-80°)	495.3	11.4			G0/660
FVH (80°-90°)	184.3	4.2			G2/225
BL (0°-30°)	287.2	6.6	B1/500		
BM (30°-60°)	974.0	22.4	B1/1000		
BH (60°-80°)	495.3	11.4	B1/500		G0/660
BVH (80°-90°)	184.3	4.2			G2/225
UL (90°-100°)	242.7	5.6		U3/500	
UH (100°-180°)	229.7	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





REPORT NUMBER: P212627

CATALOG NUMBER: MPW-AF-D-U-SYM-7030

CANDELA DISTRIBUTION (FULL):

	0°
0°	616.7
2.5°	618.0
5°	611.4
7.5°	623.2
10°	648.0
12.5°	674.1
15°	684.6
17.5°	691.2
20°	687.2
22.5°	691.2
25°	689.9
27.5°	696.4
30°	712.0
32.5°	739.5
35°	773.4
37.5°	814.0
40°	862.3
42.5°	910.7
45°	947.2
47.5°	961.6
50°	959.0
52.5°	914.5
55°	837.5
57.5°	736.8
60°	632.4
62.5°	560.5
65°	520.0
67.5°	495.2
70°	476.9
72.5°	461.2
75°	436.4
77.5°	418.1
80°	394.5
82.5°	373.7
85°	342.3
87.5°	303.1
90°	271.7
92.5°	245.6
95°	227.4
97.5°	196.0
100°	168.6
102.5°	142.4
105°	120.2
107.5°	101.9
110°	83.6



REPORT NUMBER: P212627

CATALOG NUMBER: MPW-AF-D-U-SYM-7030

CANDELA DISTRIBUTION (continued):

	0°
112.5°	69.3
115°	54.8
117.5°	47.0
120°	36.6
122.5°	32.7
125°	26.1
127.5°	22.2
130°	16.9
132.5°	9.2
135°	3.9
137.5°	0.0
140°	1.3
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)