

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: P212624

Luminaire Tested: **MPW-AF-D-U-SYM-7050-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212624
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-7050-800
Description: WOODBRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3626 lumens
Efficiency: N/A
Efficacy: 82.4 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): 44
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

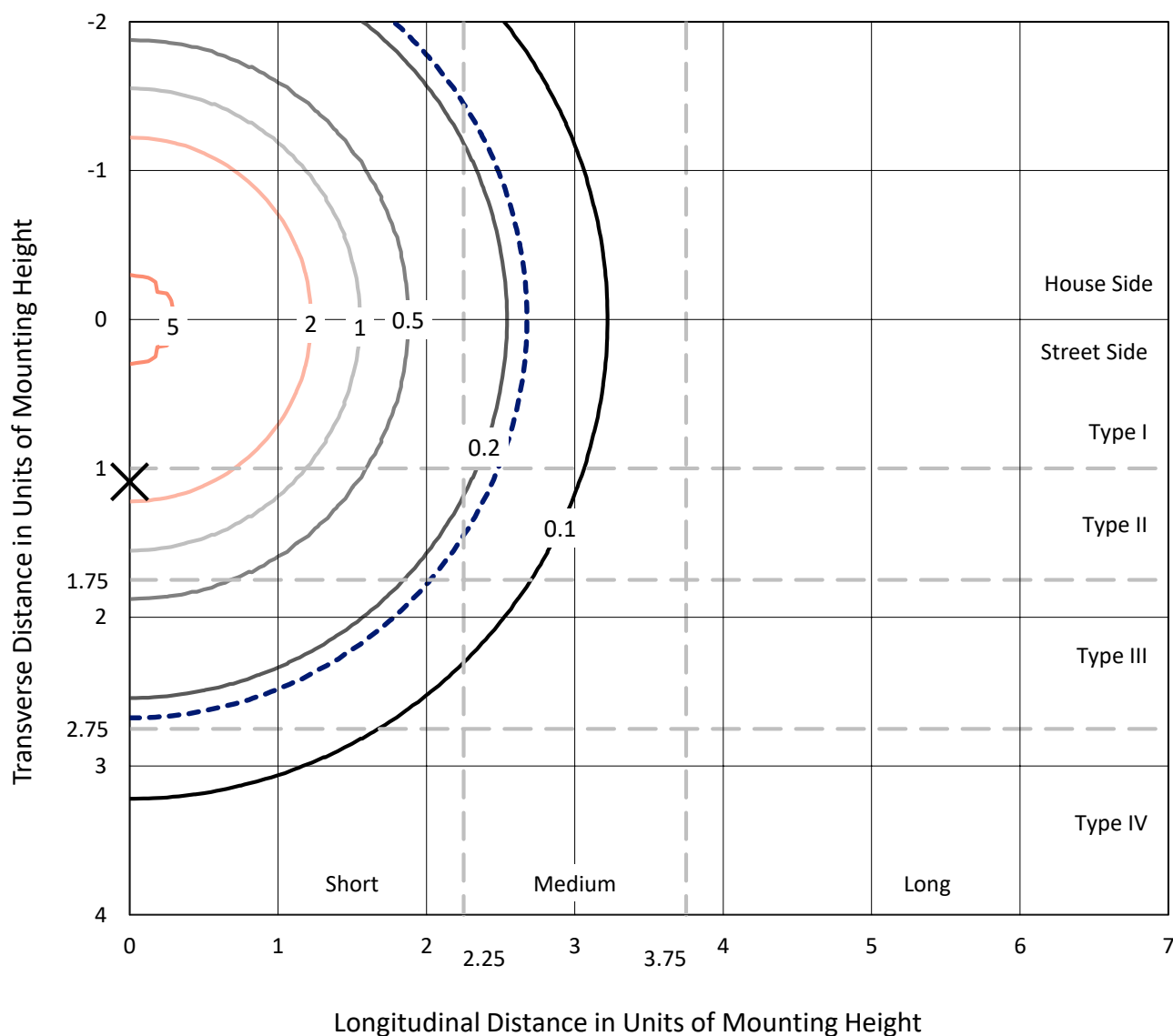


REPORT NUMBER: P212624

CATALOG NUMBER: MPW-AF-D-U-SYM-7050-800

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

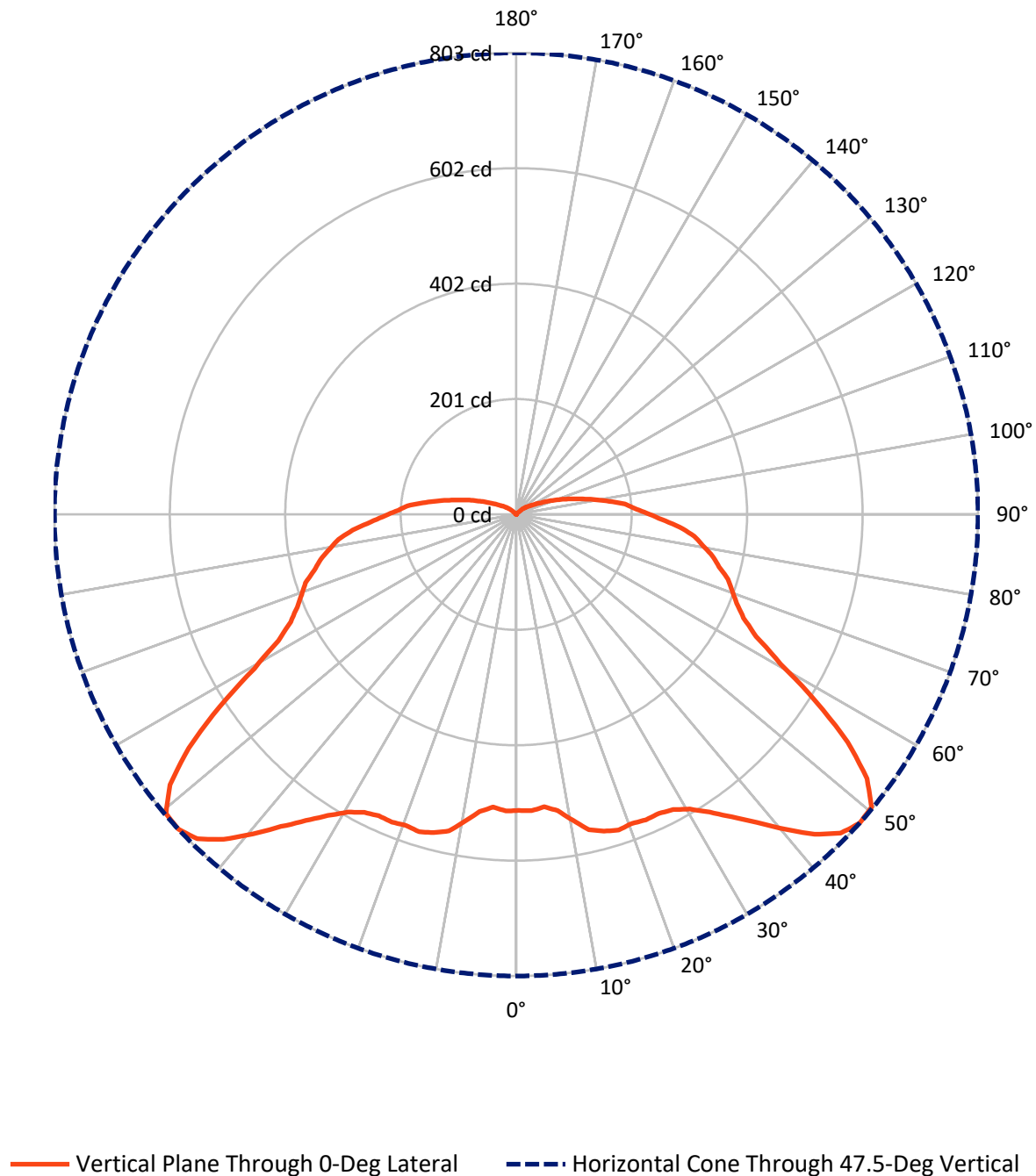


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P212624

CATALOG NUMBER: MPW-AF-D-U-SYM-7050-800

Luminous Intensity Polar Plot



REPORT NUMBER: P212624

CATALOG NUMBER: MPW-AF-D-U-SYM-7050-800

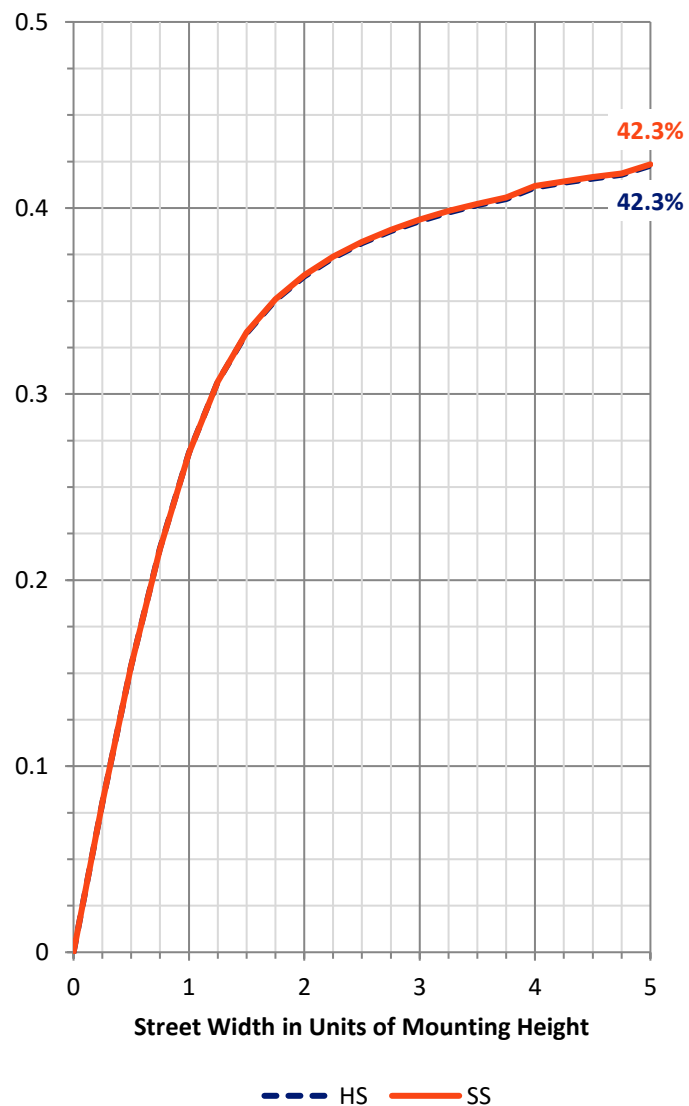
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1621.1	191.8	1813.0
	% Fixture	44.7	5.3	50.0
Street Side	Lumens	1621.1	191.8	1813.0
	% Fixture	44.7	5.3	50.0
Total	Lumens	3242.3	383.7	3626.0
	% Fixture	89.4	10.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.4
10°-20°	161.3	4.4
20°-30°	268.6	7.4
30°-40°	410.1	11.3
40°-50°	604.1	16.7
50°-60°	612.9	16.9
60°-70°	440.8	12.2
70°-80°	386.6	10.7
80°-90°	307.9	8.5
90°-100°	202.7	5.6
100°-110°	108.7	3.0
110°-120°	48.2	1.3
120°-130°	20.4	0.6
130°-140°	3.7	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°	3242.3	89.4
0°-180°	3626.0	100.0

Coefficient of Utilization



REPORT NUMBER: P212624

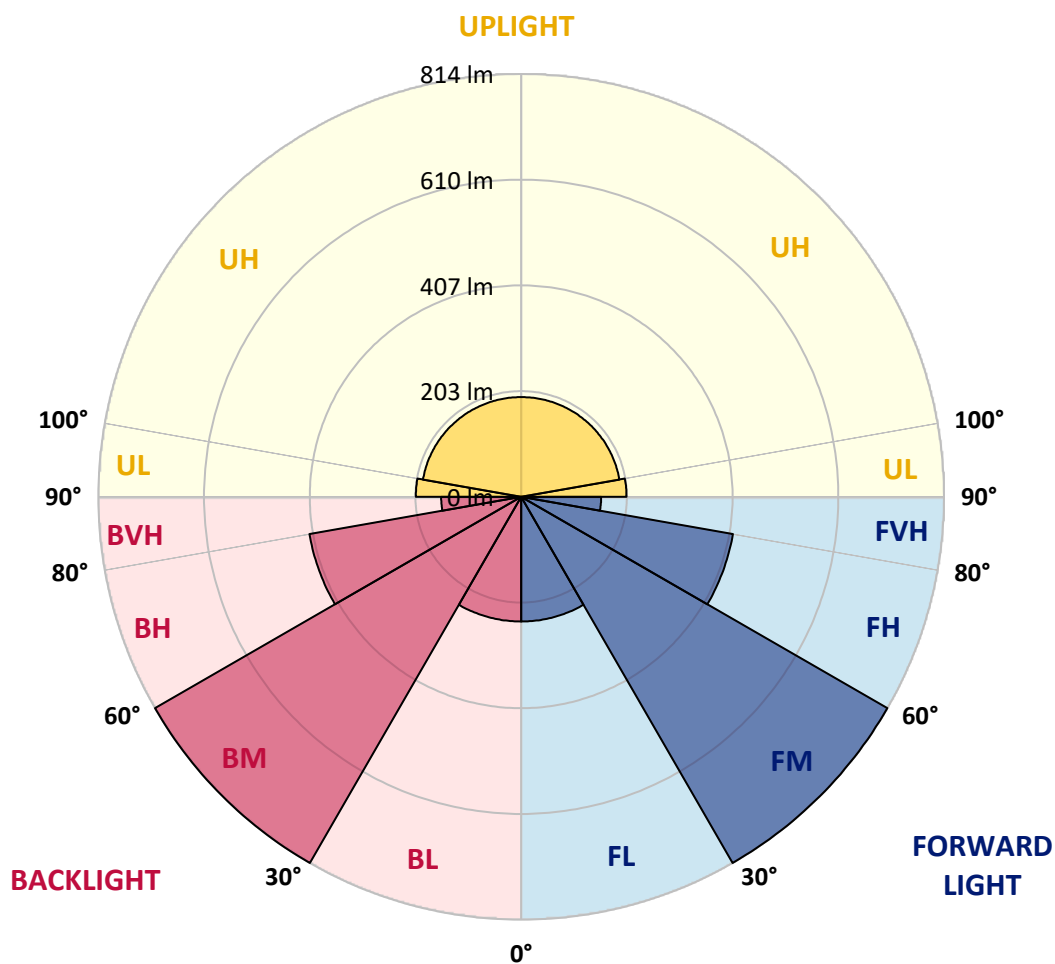
CATALOG NUMBER: MPW-AF-D-U-SYM-7050-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	239.9	6.6			
FM	(30°-60°)	813.6	22.4			
FH	(60°-80°)	413.7	11.4			G0/660
FVH	(80°-90°)	154.0	4.2			G2/225
BL	(0°-30°)	239.9	6.6	B1/500		
BM	(30°-60°)	813.6	22.4	B1/1000		
BH	(60°-80°)	413.7	11.4	B1/500		G0/660
BVH	(80°-90°)	154.0	4.2			G2/225
UL	(90°-100°)	202.7	5.6		U3/500	
UH	(100°-180°)	191.8	5.3		U3/500	

BUG Rating: B1-U3-G2

Type V Short





REPORT NUMBER: P212624

CATALOG NUMBER: MPW-AF-D-U-SYM-7050-800

CANDELA DISTRIBUTION (FULL):

0°	
0°	515.1
2.5°	516.2
5°	510.7
7.5°	520.6
10°	541.3
12.5°	563.1
15°	571.9
17.5°	577.3
20°	574.0
22.5°	577.3
25°	576.2
27.5°	581.7
30°	594.8
32.5°	617.7
35°	646.1
37.5°	679.9
40°	720.3
42.5°	760.7
45°	791.2
47.5°	803.2
50°	801.0
52.5°	763.9
55°	699.6
57.5°	615.5
60°	528.2
62.5°	468.2
65°	434.4
67.5°	413.6
70°	398.3
72.5°	385.2
75°	364.5
77.5°	349.2
80°	329.6
82.5°	312.1
85°	285.9
87.5°	253.2
90°	227.0
92.5°	205.2
95°	189.9
97.5°	163.7
100°	140.8
102.5°	119.0
105°	100.4
107.5°	85.1
110°	69.8



REPORT NUMBER: P212624

CATALOG NUMBER: MPW-AF-D-U-SYM-7050-800

CANDELA DISTRIBUTION (continued):

	0°
112.5°	57.8
115°	45.8
117.5°	39.3
120°	30.6
122.5°	27.3
125°	21.8
127.5°	18.6
130°	14.2
132.5°	7.6
135°	3.3
137.5°	0.0
140°	1.1
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)