

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: P212591

Luminaire Tested: **MPB-AF-D-U-SYM-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25988)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPB-AF-D-U-SYM-8030-800
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3285 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')
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

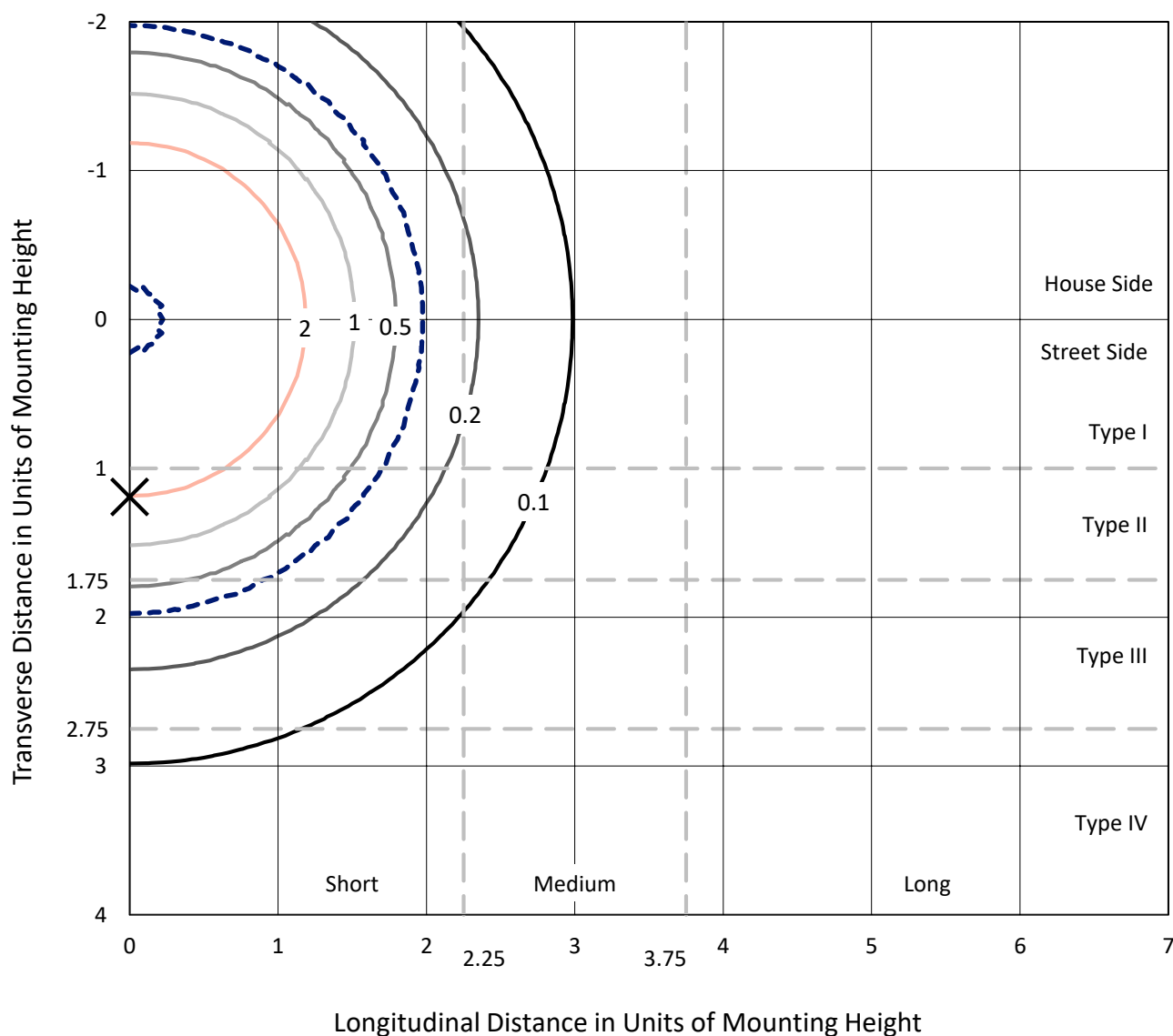


REPORT NUMBER: P212591

CATALOG NUMBER: MPB-AF-D-U-SYM-8030-800

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

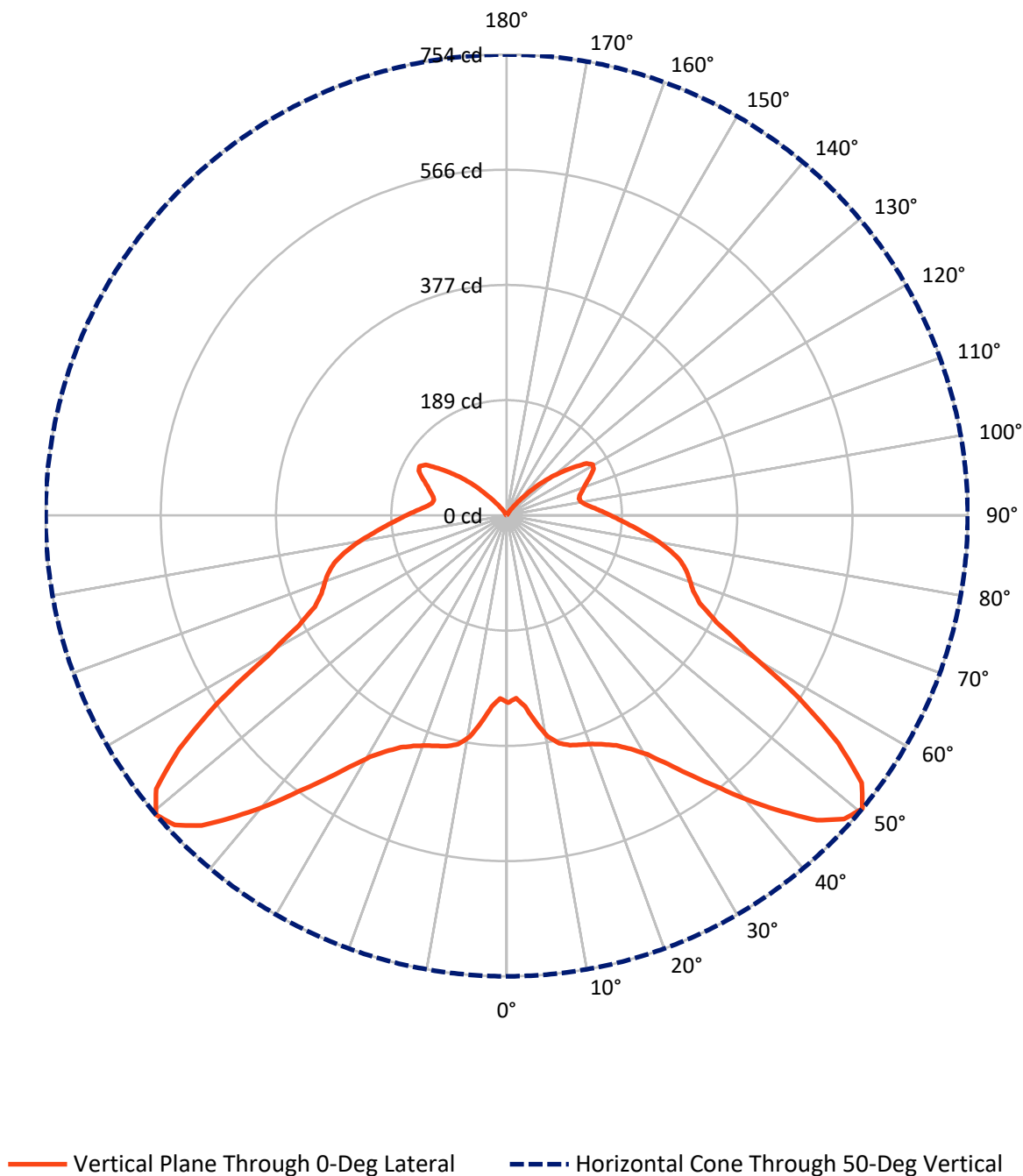


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P212591

CATALOG NUMBER: MPB-AF-D-U-SYM-8030-800

Luminous Intensity Polar Plot



REPORT NUMBER: P212591

CATALOG NUMBER: MPB-AF-D-U-SYM-8030-800

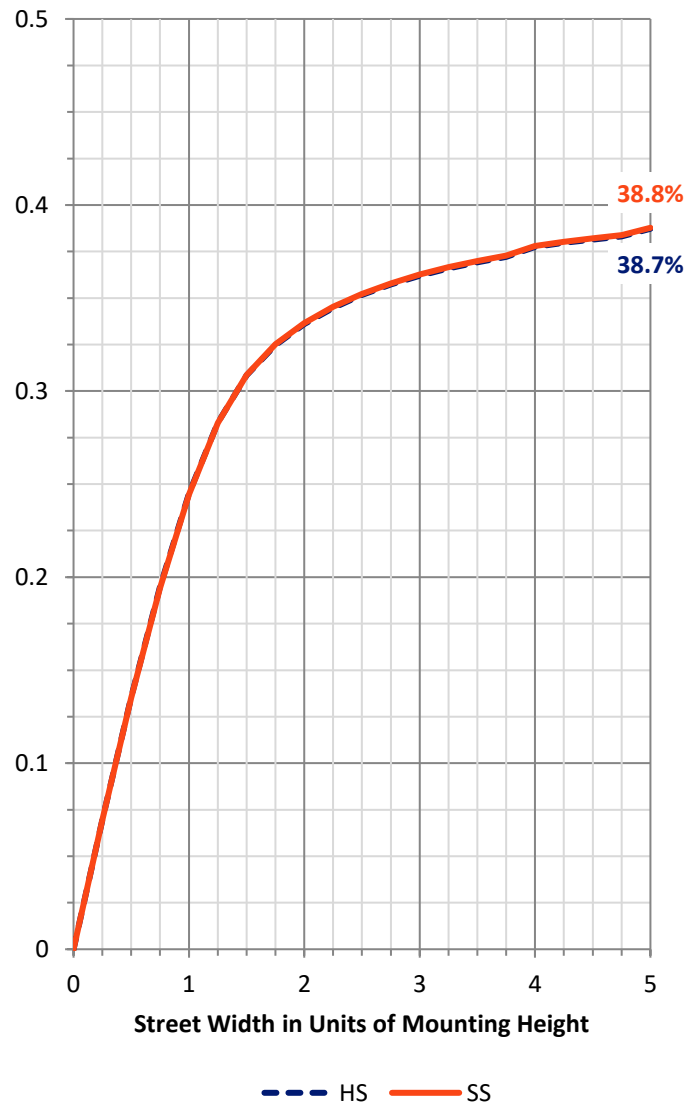
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1335.2	307.3	1642.5
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1335.2	307.3	1642.5
	% Fixture	40.6	9.4	50.0
Total	Lumens	2670.4	614.5	3285.0
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	1.0
10°-20°	110.3	3.4
20°-30°	195.5	6.0
30°-40°	333.0	10.1
40°-50°	543.8	16.6
50°-60°	569.8	17.3
60°-70°	358.2	10.9
70°-80°	305.4	9.3
80°-90°	222.7	6.8
90°-100°	154.9	4.7
100°-110°	133.6	4.1
110°-120°	150.4	4.6
120°-130°	121.5	3.7
130°-140°	46.7	1.4
140°-150°	7.2	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2670.4	81.3
0°-180°	3285.0	100.0

Coefficient of Utilization



REPORT NUMBER: P212591

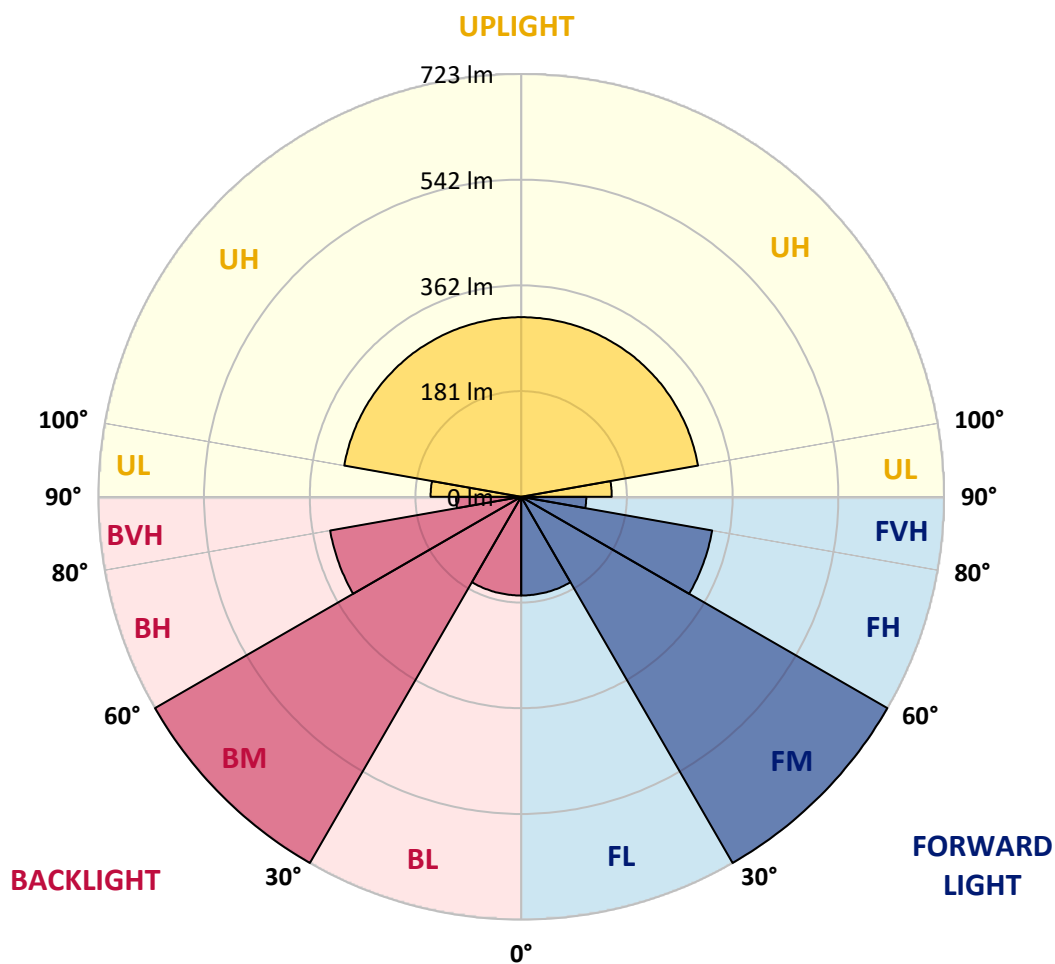
CATALOG NUMBER: MPB-AF-D-U-SYM-8030-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.8	5.1			
FM	(30°-60°)	723.3	22.0			
FH	(60°-80°)	331.8	10.1			G0/660
FVH	(80°-90°)	111.3	3.4			G2/225
BL	(0°-30°)	168.8	5.1	B1/500		
BM	(30°-60°)	723.3	22.0	B1/1000		
BH	(60°-80°)	331.8	10.1	B1/500		G0/660
BVH	(80°-90°)	111.3	3.4			G2/225
UL	(90°-100°)	154.9	4.7		U3/500	
UH	(100°-180°)	307.3	9.4		U3/500	

BUG Rating: B1-U3-G2

Type V Short





REPORT NUMBER: P212591

CATALOG NUMBER: MPB-AF-D-U-SYM-8030-800

CANDELA DISTRIBUTION (FULL):

0°	
0°	306.1
2.5°	299.4
5°	313.7
7.5°	341.4
10°	367.4
12.5°	382.5
15°	390.0
17.5°	394.2
20°	399.2
22.5°	406.8
25°	416.8
27.5°	432.8
30°	453.7
32.5°	484.8
35°	523.4
37.5°	565.3
40°	614.8
42.5°	662.6
45°	711.2
47.5°	742.3
50°	754.0
52.5°	727.2
55°	658.4
57.5°	562.8
60°	453.7
62.5°	385.0
65°	347.2
67.5°	328.8
70°	317.9
72.5°	307.0
75°	292.7
77.5°	272.6
80°	249.1
82.5°	223.9
85°	202.1
87.5°	182.8
90°	166.9
92.5°	152.6
95°	140.1
97.5°	130.0
100°	123.3
102.5°	121.6
105°	124.1
107.5°	130.0
110°	135.9



REPORT NUMBER: P212591

CATALOG NUMBER: MPB-AF-D-U-SYM-8030-800

CANDELA DISTRIBUTION (continued):

	0°
112.5°	143.4
115°	152.6
117.5°	161.0
120°	163.5
122.5°	156.0
125°	135.9
127.5°	116.6
130°	97.3
132.5°	78.0
135°	57.9
137.5°	39.4
140°	26.0
142.5°	15.9
145°	9.2
147.5°	5.0
150°	2.5
152.5°	0.8
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)