

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: P212588

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212588
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-600
Description: BRECKENRIDGE 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: 3357.3 lumens
Efficiency: N/A
Efficacy: 98.7 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): 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

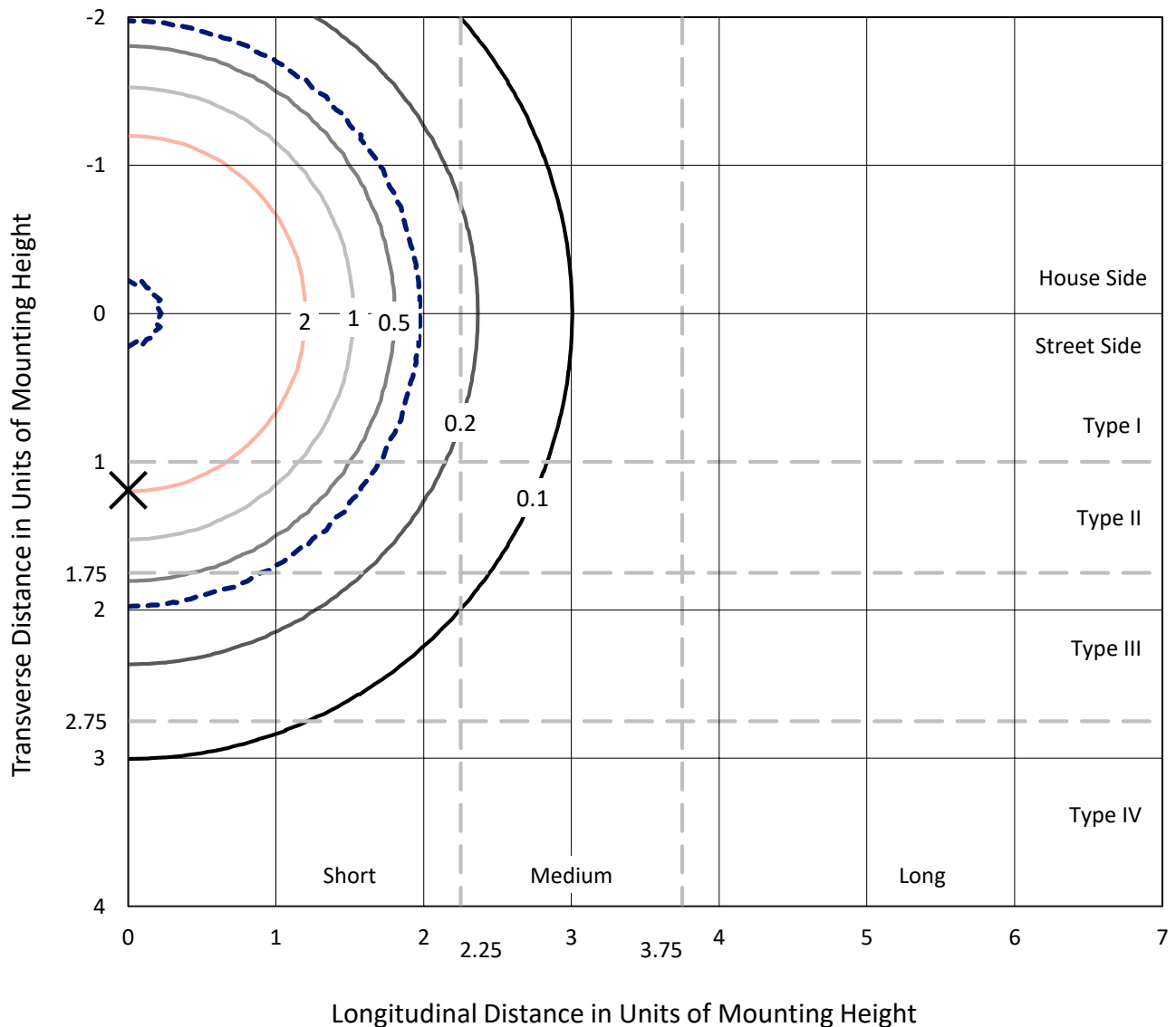


REPORT NUMBER: P212588

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

Iso-Footcandle Lines of Horizontal Illumination

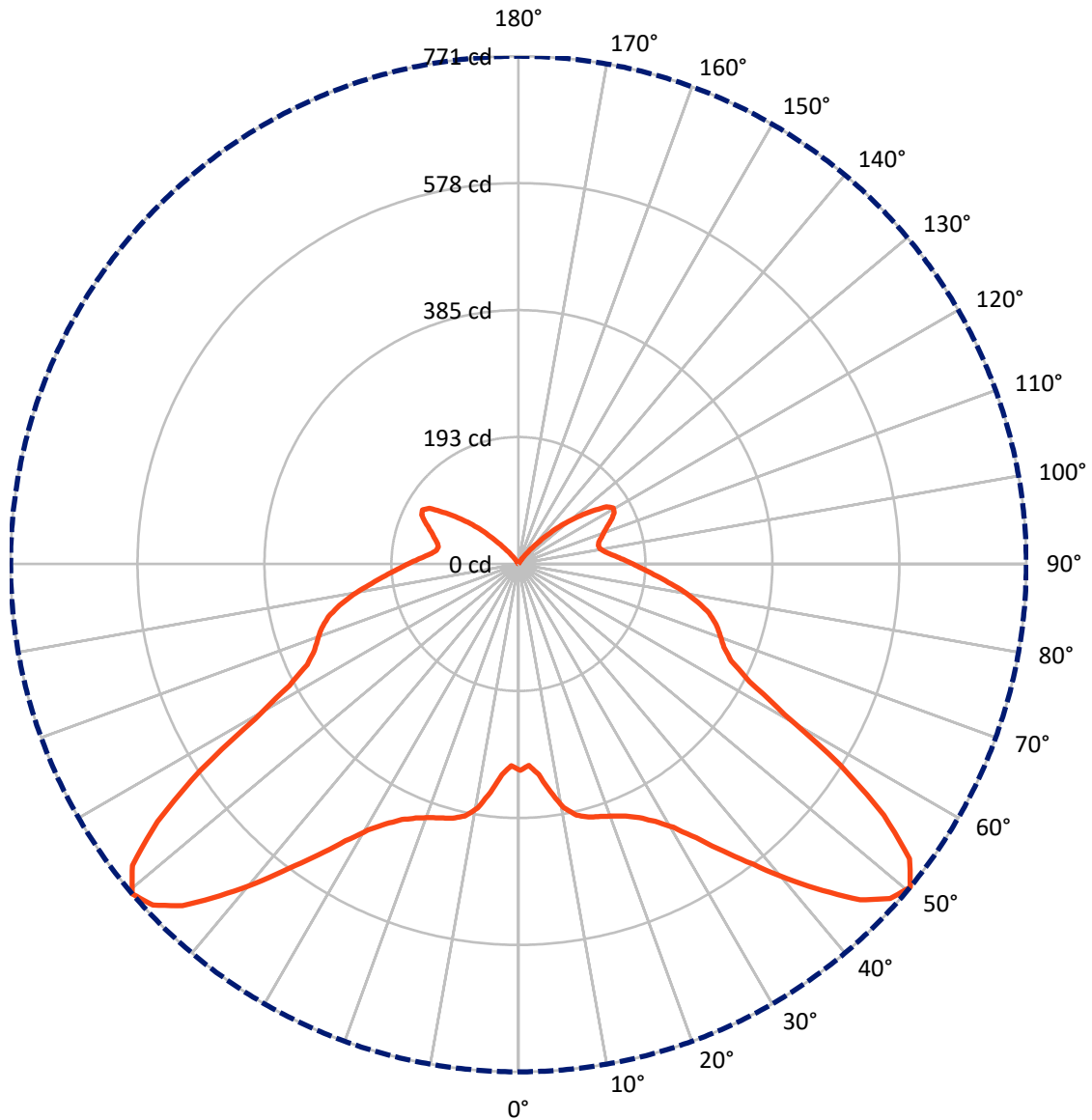
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P212588
CATALOG NUMBER: MPB-AF-D-U-SYM-600

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P212588

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

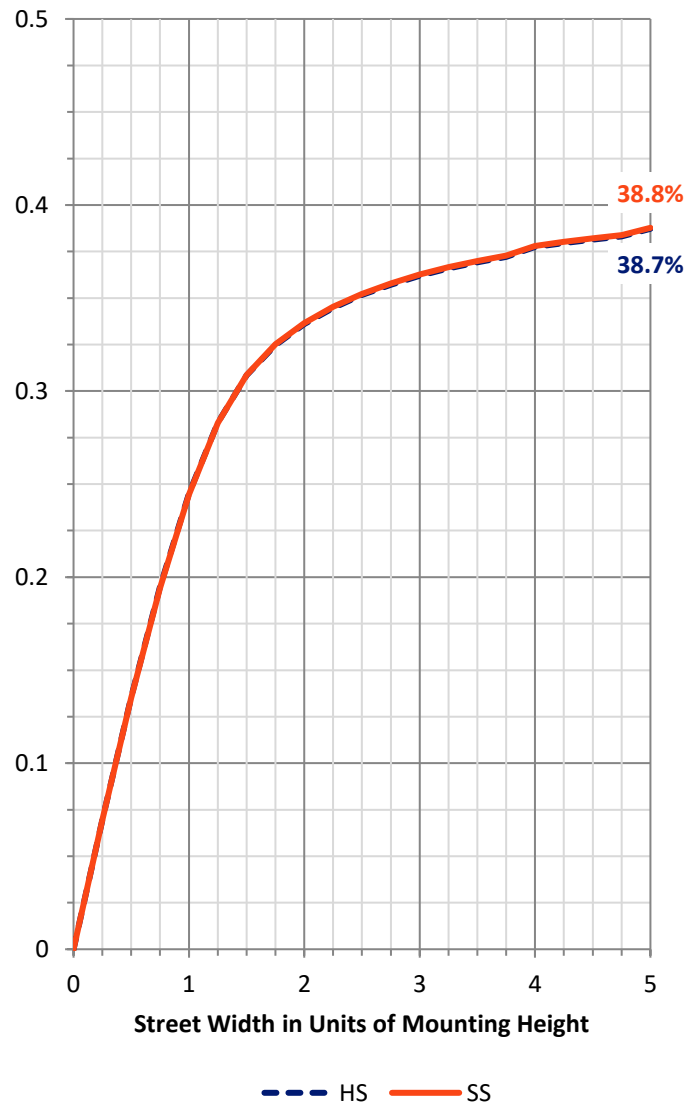
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1364.6	314.0	1678.6
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1364.6	314.0	1678.6
	% Fixture	40.6	9.4	50.0
Total	Lumens	2729.2	628.1	3357.3
	% Fixture	81.3	18.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	1.0
10°-20°	112.7	3.4
20°-30°	199.8	6.0
30°-40°	340.3	10.1
40°-50°	555.7	16.6
50°-60°	582.3	17.3
60°-70°	366.1	10.9
70°-80°	312.1	9.3
80°-90°	227.6	6.8
90°-100°	158.3	4.7
100°-110°	136.5	4.1
110°-120°	153.7	4.6
120°-130°	124.2	3.7
130°-140°	47.7	1.4
140°-150°	7.4	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2729.2	81.3
0°-180°	3357.3	100.0



REPORT NUMBER: P212588

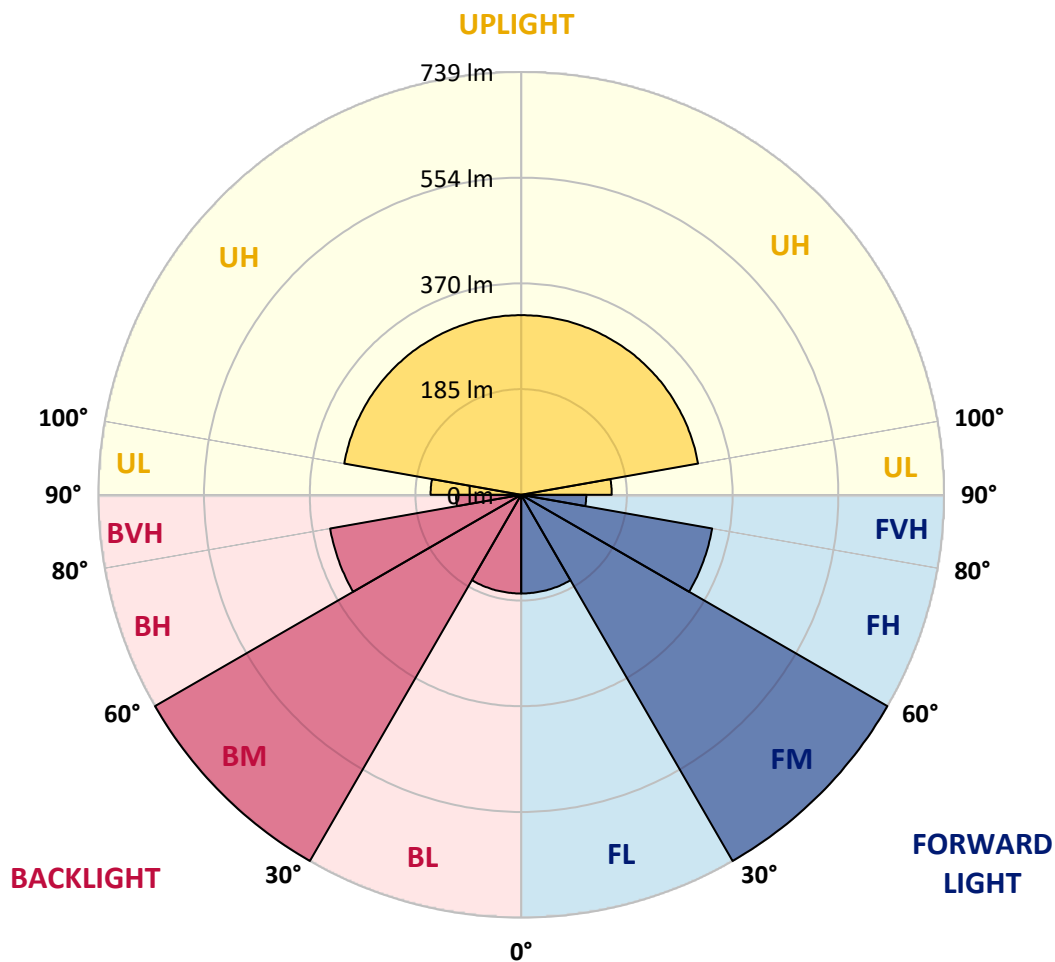
CATALOG NUMBER: MPB-AF-D-U-SYM-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.5	5.1			
FM (30°-60°)	739.2	22.0			
FH (60°-80°)	339.1	10.1			G0/660
FVH (80°-90°)	113.8	3.4			G2/225
BL (0°-30°)	172.5	5.1	B1/500		
BM (30°-60°)	739.2	22.0	B1/1000		
BH (60°-80°)	339.1	10.1	B1/500		G0/660
BVH (80°-90°)	113.8	3.4			G2/225
UL (90°-100°)	158.3	4.7		U3/500	
UH (100°-180°)	314.0	9.4		U3/500	

BUG Rating: B1-U3-G2

Type V Short





REPORT NUMBER: P212588

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	312.9
2.5°	306.0
5°	320.6
7.5°	348.8
10°	375.4
12.5°	390.9
15°	398.5
17.5°	402.8
20°	408.1
22.5°	415.7
25°	426.1
27.5°	442.3
30°	463.7
32.5°	495.4
35°	534.9
37.5°	577.8
40°	628.3
42.5°	677.2
45°	726.9
47.5°	758.6
50°	770.6
52.5°	743.2
55°	672.9
57.5°	575.2
60°	463.7
62.5°	393.4
65°	354.9
67.5°	336.0
70°	324.9
72.5°	313.7
75°	299.1
77.5°	278.5
80°	254.6
82.5°	228.8
85°	206.5
87.5°	186.9
90°	170.6
92.5°	156.0
95°	143.1
97.5°	132.9
100°	126.0
102.5°	124.3
105°	126.8
107.5°	132.9
110°	138.8



REPORT NUMBER: P212588

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.6
115°	156.0
117.5°	164.6
120°	167.2
122.5°	159.5
125°	138.8
127.5°	119.2
130°	99.4
132.5°	79.7
135°	59.1
137.5°	40.3
140°	26.6
142.5°	16.3
145°	9.4
147.5°	5.1
150°	2.6
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)