

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: P212589

Luminaire Tested: **MPB-AF-D-U-SYM-7050-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212589
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-7050-600
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3282 lumens
Efficiency: N/A
Efficacy: 96.5 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

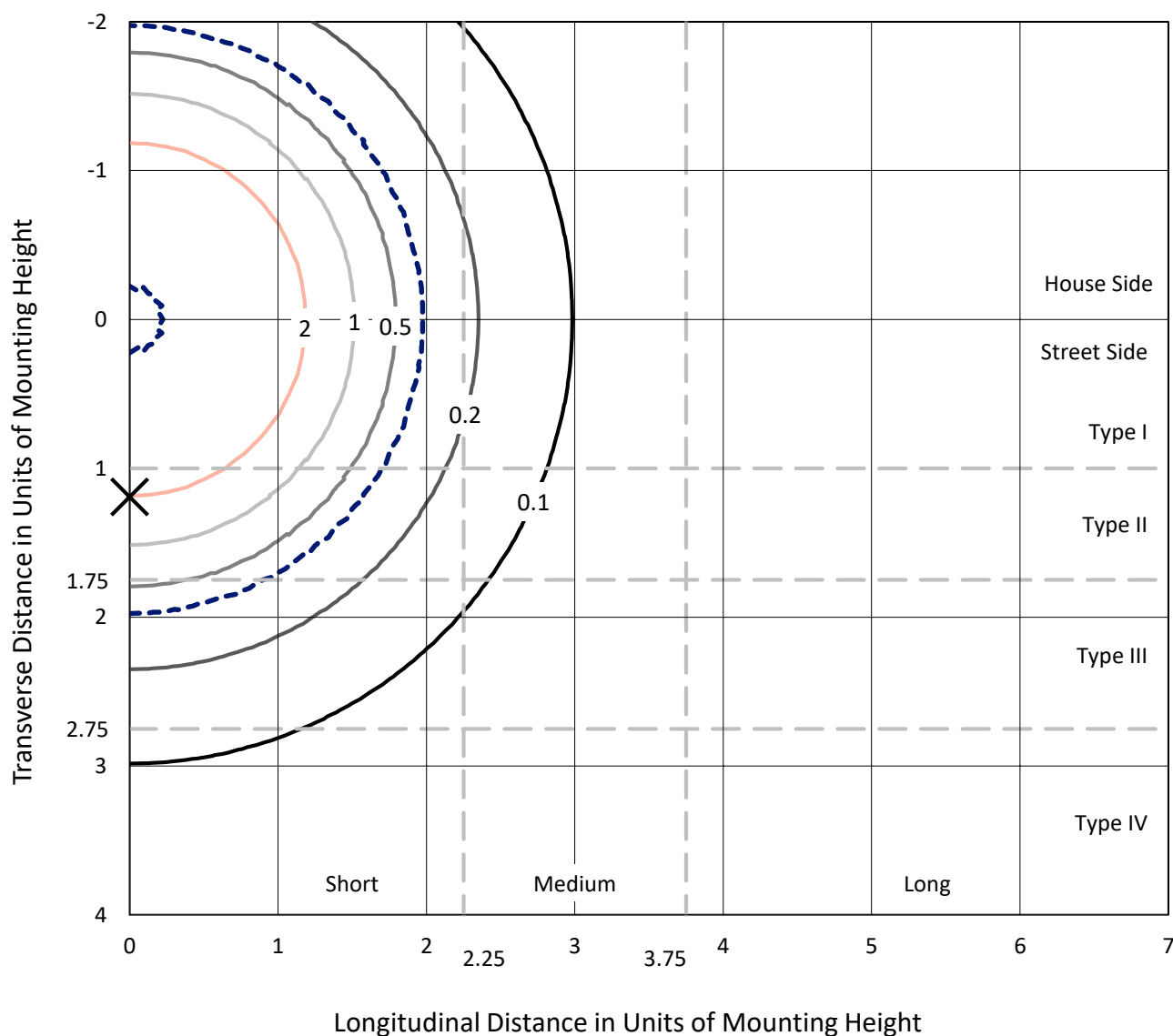


REPORT NUMBER: P212589

CATALOG NUMBER: MPB-AF-D-U-SYM-7050-600

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

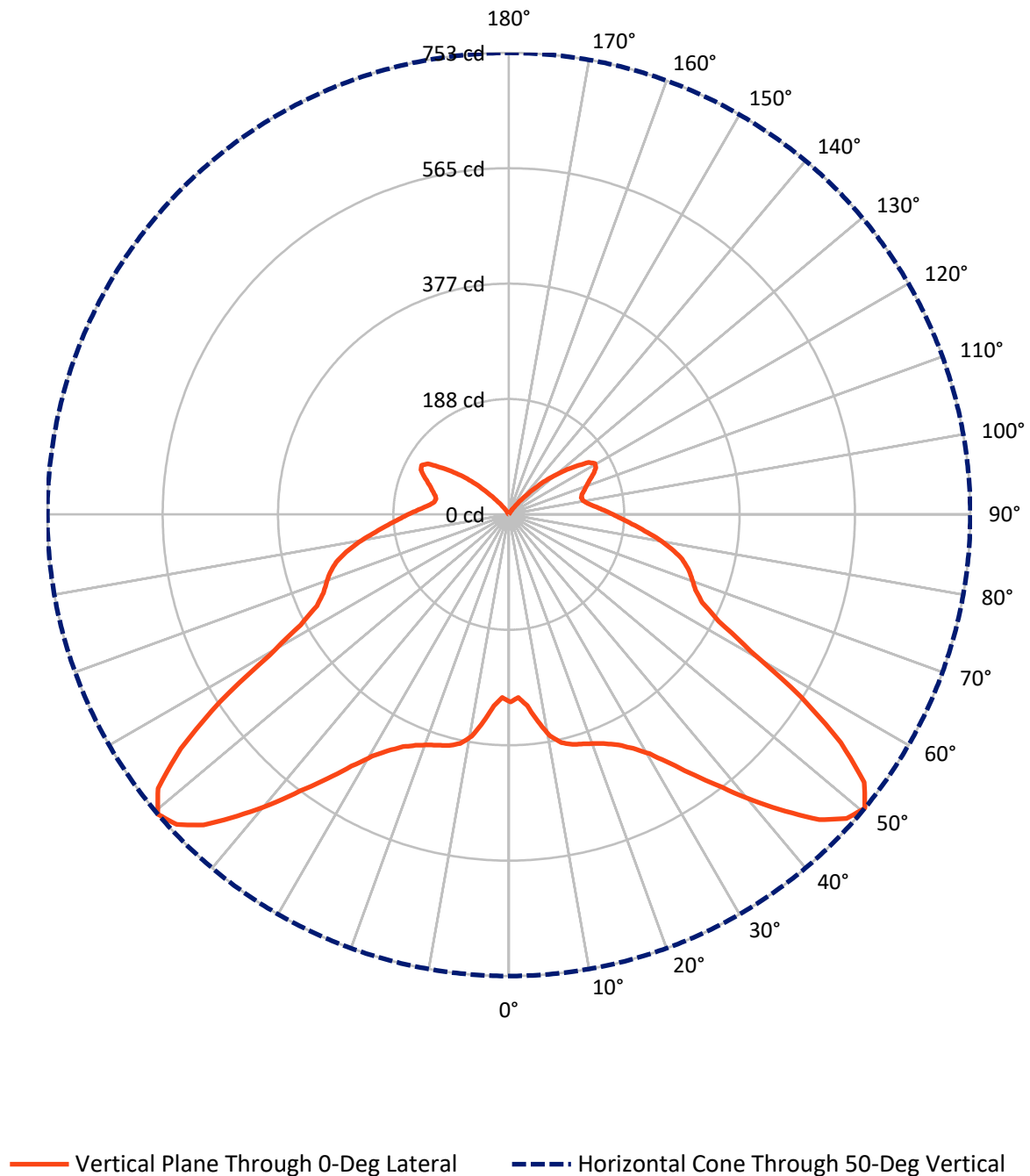


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P212589

CATALOG NUMBER: MPB-AF-D-U-SYM-7050-600

Luminous Intensity Polar Plot



REPORT NUMBER: P212589

CATALOG NUMBER: MPB-AF-D-U-SYM-7050-600

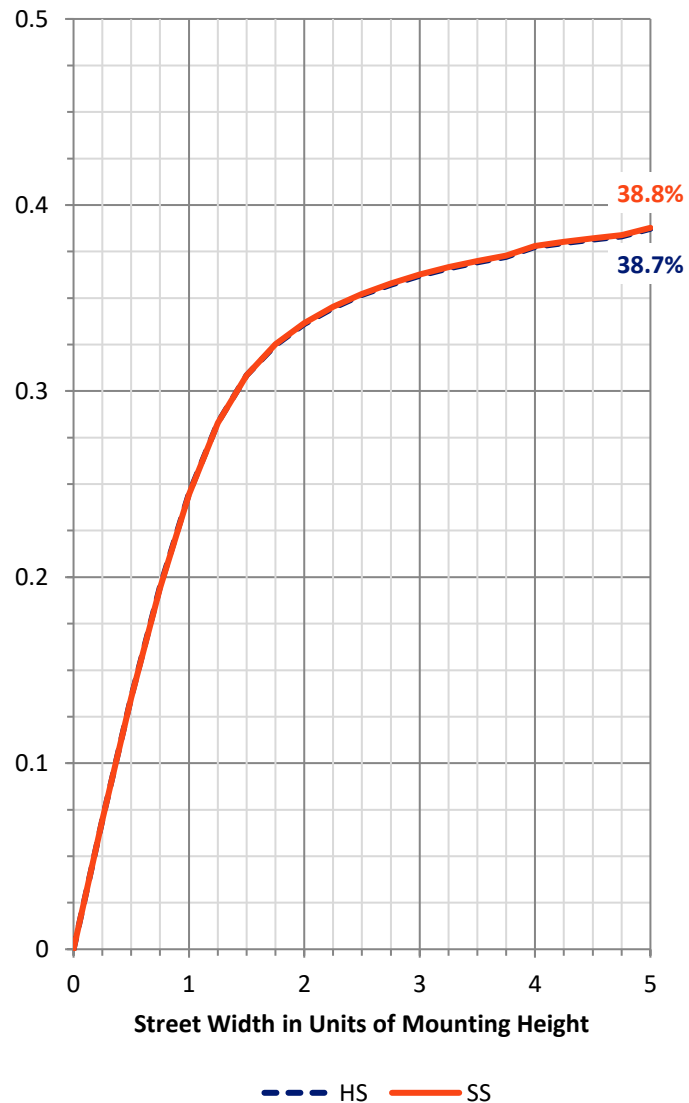
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1334.0	307.0	1641.0
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1334.0	307.0	1641.0
	% Fixture	40.6	9.4	50.0
Total	Lumens	2668.0	614.0	3282.0
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.8	1.0
10°-20°	110.1	3.4
20°-30°	195.3	6.0
30°-40°	332.7	10.1
40°-50°	543.3	16.6
50°-60°	569.3	17.3
60°-70°	357.9	10.9
70°-80°	305.1	9.3
80°-90°	222.5	6.8
90°-100°	154.8	4.7
100°-110°	133.5	4.1
110°-120°	150.3	4.6
120°-130°	121.4	3.7
130°-140°	46.6	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°	2668.0	81.3
0°-180°	3282.0	100.0

Coefficient of Utilization



REPORT NUMBER: P212589

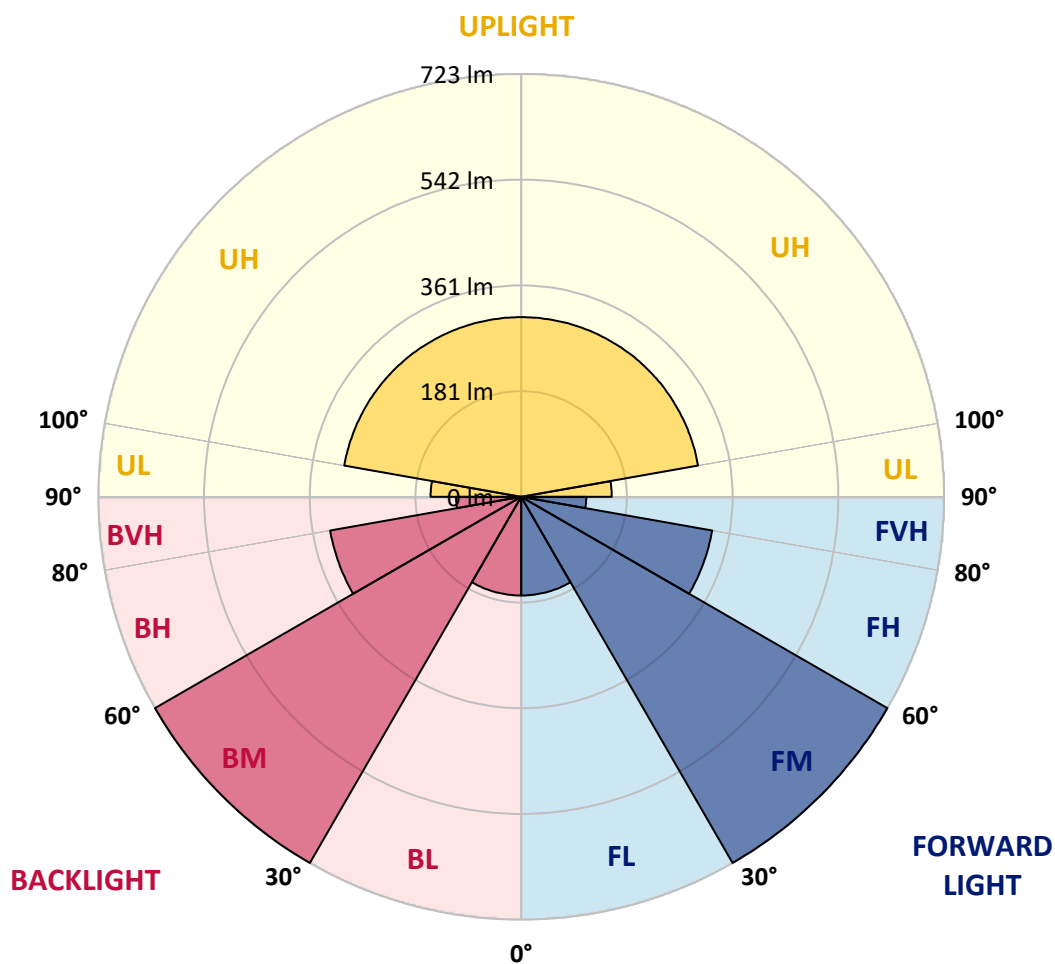
CATALOG NUMBER: MPB-AF-D-U-SYM-7050-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	168.6	5.1			
FM	(30°-60°)	722.6	22.0			
FH	(60°-80°)	331.5	10.1			G0/660
FVH	(80°-90°)	111.3	3.4			G2/225
BL	(0°-30°)	168.6	5.1	B1/500		
BM	(30°-60°)	722.6	22.0	B1/1000		
BH	(60°-80°)	331.5	10.1	B1/500		G0/660
BVH	(80°-90°)	111.3	3.4			G2/225
UL	(90°-100°)	154.8	4.7		U3/500	
UH	(100°-180°)	307.0	9.4		U3/500	

BUG Rating: B1-U3-G2

Type V Short





REPORT NUMBER: P212589

CATALOG NUMBER: MPB-AF-D-U-SYM-7050-600

CANDELA DISTRIBUTION (FULL):

0°	
0°	305.9
2.5°	299.1
5°	313.4
7.5°	341.0
10°	367.0
12.5°	382.1
15°	389.6
17.5°	393.8
20°	398.9
22.5°	406.4
25°	416.5
27.5°	432.4
30°	453.3
32.5°	484.3
35°	522.9
37.5°	564.8
40°	614.2
42.5°	662.0
45°	710.6
47.5°	741.6
50°	753.3
52.5°	726.5
55°	657.8
57.5°	562.3
60°	453.3
62.5°	384.6
65°	346.9
67.5°	328.5
70°	317.6
72.5°	306.7
75°	292.4
77.5°	272.3
80°	248.9
82.5°	223.7
85°	201.9
87.5°	182.7
90°	166.8
92.5°	152.5
95°	139.9
97.5°	129.9
100°	123.2
102.5°	121.5
105°	124.0
107.5°	129.9
110°	135.7



REPORT NUMBER: P212589

CATALOG NUMBER: MPB-AF-D-U-SYM-7050-600

CANDELA DISTRIBUTION (continued):

	0°
112.5°	143.3
115°	152.5
117.5°	160.9
120°	163.4
122.5°	155.9
125°	135.7
127.5°	116.5
130°	97.2
132.5°	77.9
135°	57.8
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)