

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: P271884

Luminaire Tested: **MPB-AF-D-U-SYM-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271884
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-7027
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4328.3 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U4 - 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



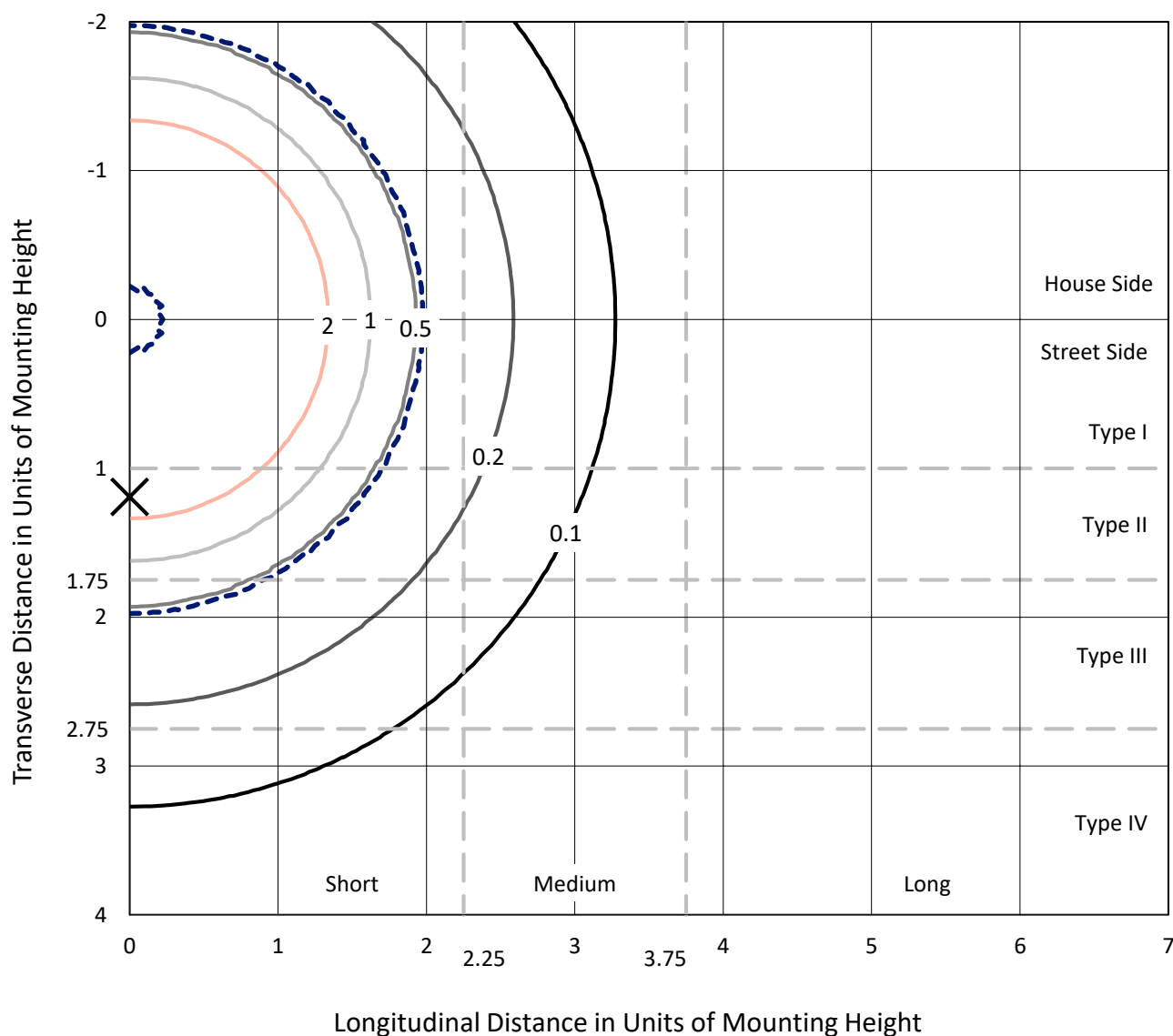
REPORT NUMBER: P271884

CATALOG NUMBER: MPB-AF-D-U-SYM-7027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

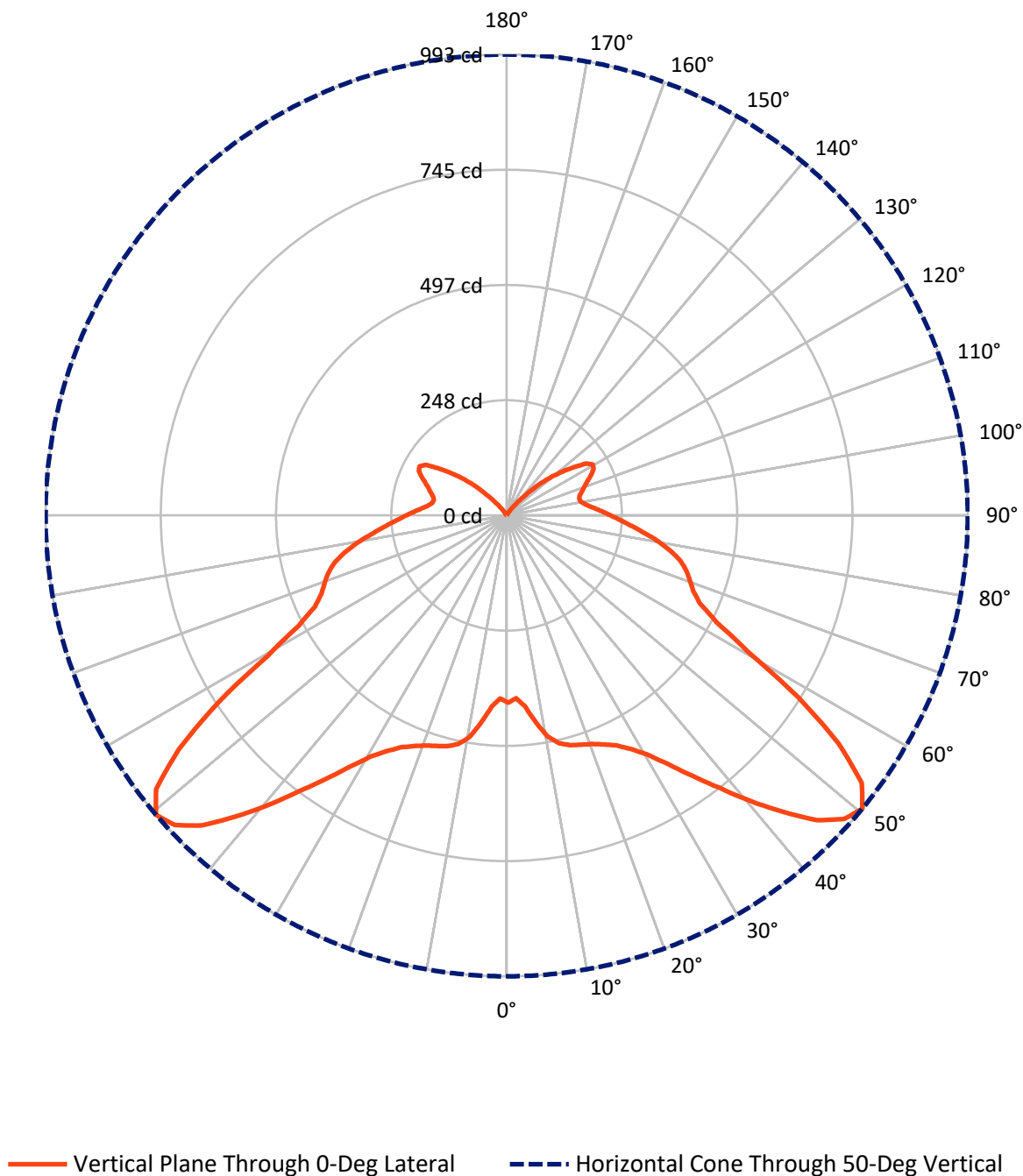


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P271884

CATALOG NUMBER: MPB-AF-D-U-SYM-7027

Luminous Intensity Polar Plot



REPORT NUMBER: P271884

CATALOG NUMBER: MPB-AF-D-U-SYM-7027

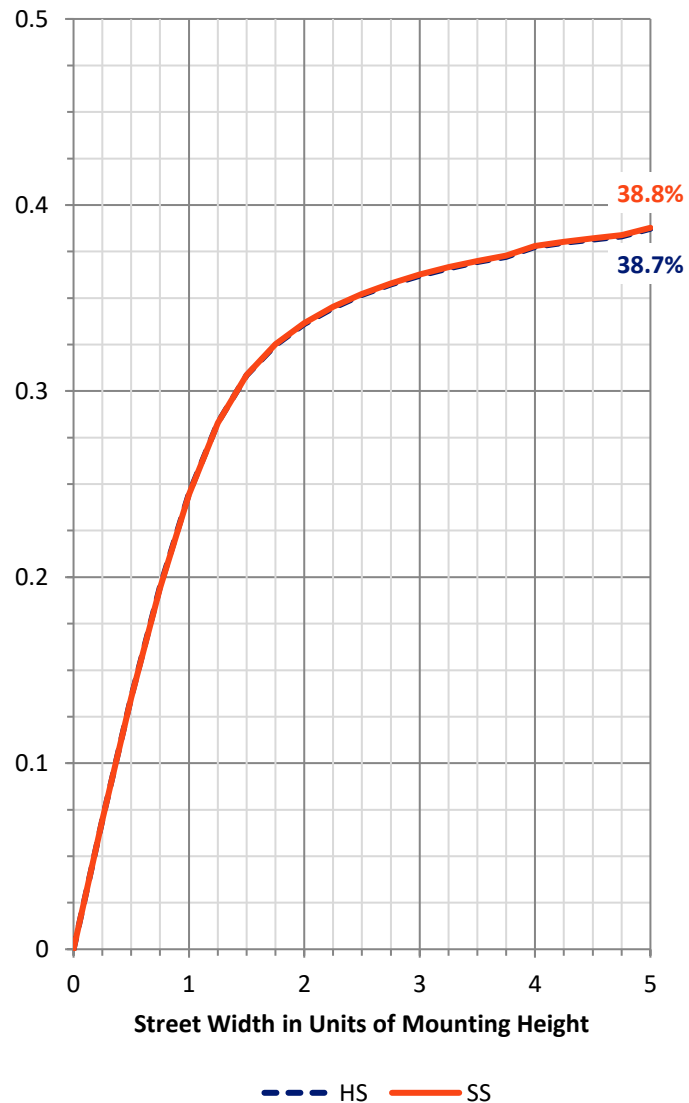
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1759.3	404.8	2164.1
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1759.3	404.8	2164.1
	% Fixture	40.6	9.4	50.0
Total	Lumens	3518.6	809.7	4328.3
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	1.0
10°-20°	145.3	3.4
20°-30°	257.5	5.9
30°-40°	438.8	10.1
40°-50°	716.5	16.6
50°-60°	750.7	17.3
60°-70°	472.0	10.9
70°-80°	402.4	9.3
80°-90°	293.4	6.8
90°-100°	204.1	4.7
100°-110°	176.0	4.1
110°-120°	198.1	4.6
120°-130°	160.0	3.7
130°-140°	61.5	1.4
140°-150°	9.5	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3518.6	81.3
0°-180°	4328.3	100.0

Coefficient of Utilization



REPORT NUMBER: P271884

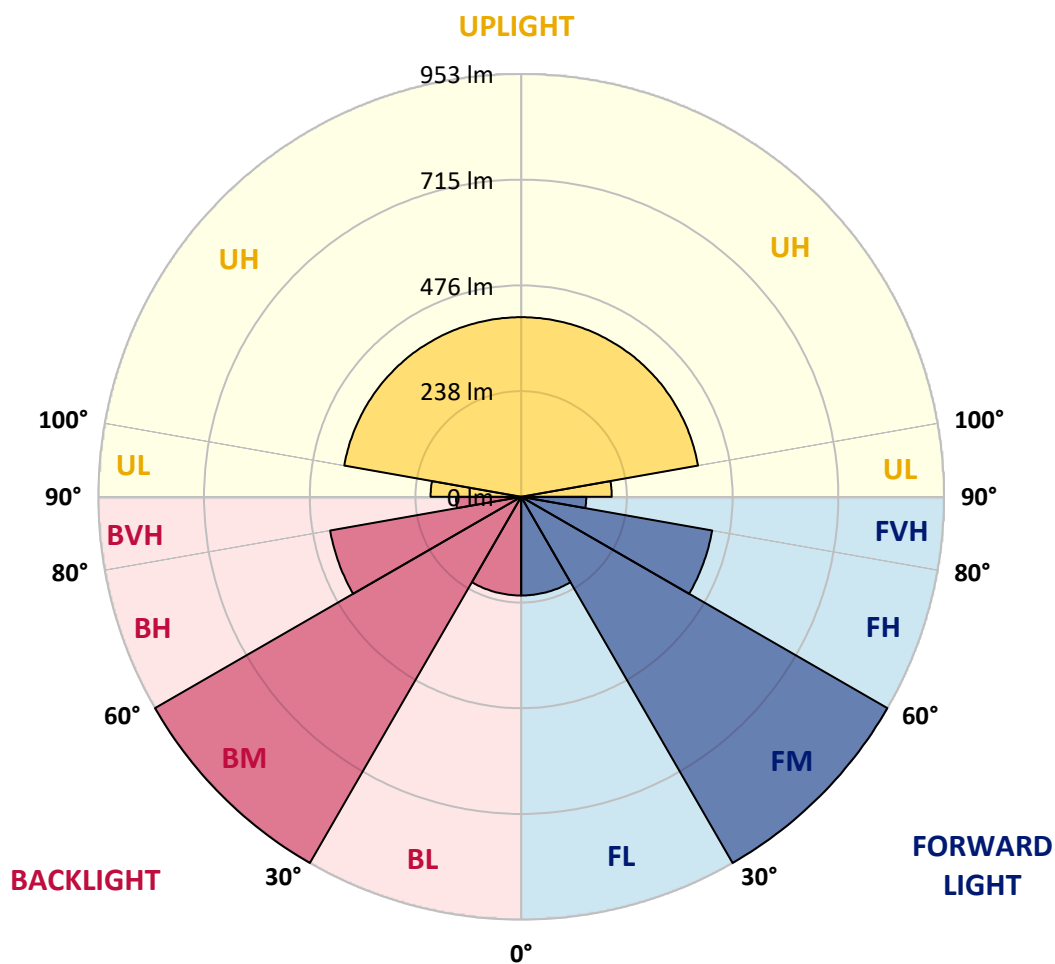
CATALOG NUMBER: MPB-AF-D-U-SYM-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.4	5.1			
FM	(30°-60°)	953.0	22.0			
FH	(60°-80°)	437.2	10.1			G0/660
FVH	(80°-90°)	146.7	3.4			G2/225
BL	(0°-30°)	222.4	5.1	B1/500		
BM	(30°-60°)	953.0	22.0	B1/1000		
BH	(60°-80°)	437.2	10.1	B1/500		G0/660
BVH	(80°-90°)	146.7	3.4			G2/225
UL	(90°-100°)	204.1	4.7		U3/500	
UH	(100°-180°)	404.8	9.4		U3/500	

BUG Rating: B1-U4-G2

Type V Short





REPORT NUMBER: P271884

CATALOG NUMBER: MPB-AF-D-U-SYM-7027

CANDELA DISTRIBUTION (FULL):

0°	
0°	403.4
2.5°	394.5
5°	413.3
7.5°	449.8
10°	484.1
12.5°	503.9
15°	513.9
17.5°	519.4
20°	526.0
22.5°	536.0
25°	549.2
27.5°	570.2
30°	597.8
32.5°	638.8
35°	689.6
37.5°	744.9
40°	810.0
42.5°	873.1
45°	937.1
47.5°	978.1
50°	993.4
52.5°	958.1
55°	867.5
57.5°	741.6
60°	597.8
62.5°	507.3
65°	457.5
67.5°	433.3
70°	418.8
72.5°	404.5
75°	385.7
77.5°	359.1
80°	328.2
82.5°	295.0
85°	266.3
87.5°	240.9
90°	219.9
92.5°	201.1
95°	184.5
97.5°	171.3
100°	162.4
102.5°	160.3
105°	163.5
107.5°	171.3
110°	179.0



REPORT NUMBER: P271884

CATALOG NUMBER: MPB-AF-D-U-SYM-7027

CANDELA DISTRIBUTION (continued):

	0°
112.5°	188.9
115°	201.1
117.5°	212.2
120°	215.5
122.5°	205.5
125°	179.0
127.5°	153.6
130°	128.2
132.5°	102.8
135°	76.3
137.5°	51.9
140°	34.2
142.5°	21.0
145°	12.1
147.5°	6.6
150°	3.3
152.5°	1.1
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)