

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: P271885

Luminaire Tested: **MPB-AF-D-U-SYM-7027-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P271885
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-7027-600
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2851.2 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U3 - G1

Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): 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

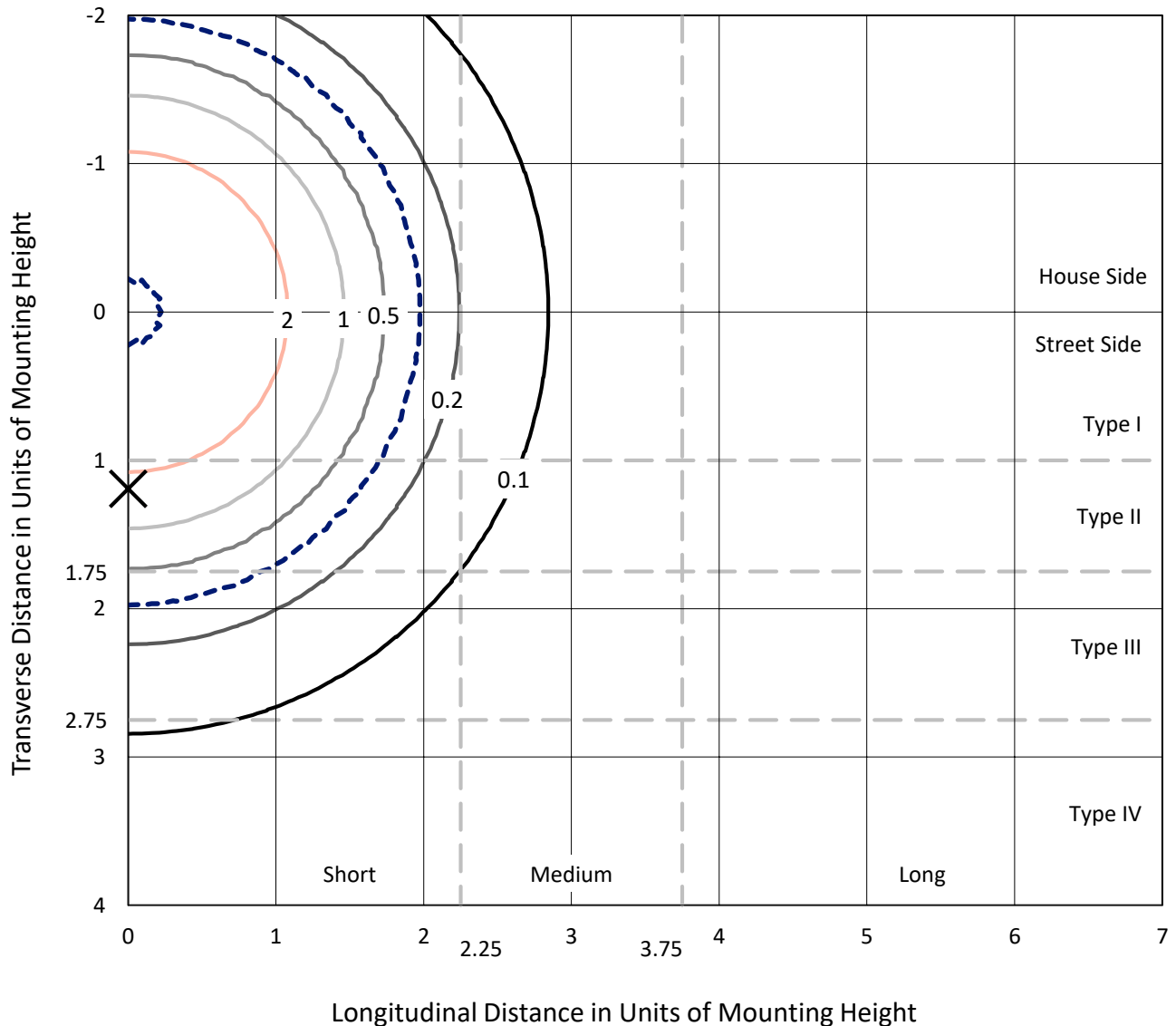


REPORT NUMBER: P271885

CATALOG NUMBER: MPB-AF-D-U-SYM-7027-600

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

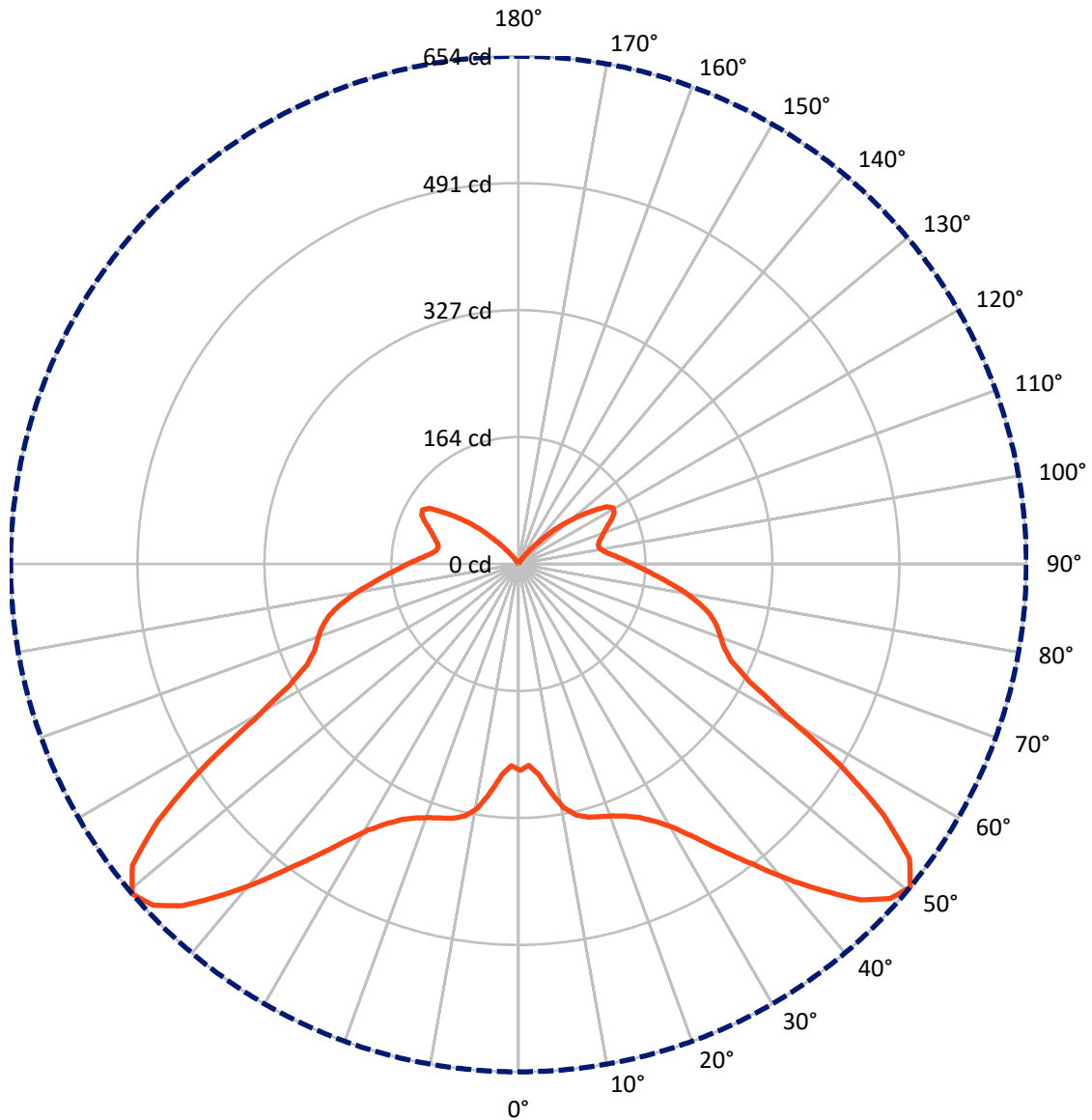


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P271885

CATALOG NUMBER: MPB-AF-D-U-SYM-7027-600

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral

- - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P271885

CATALOG NUMBER: MPB-AF-D-U-SYM-7027-600

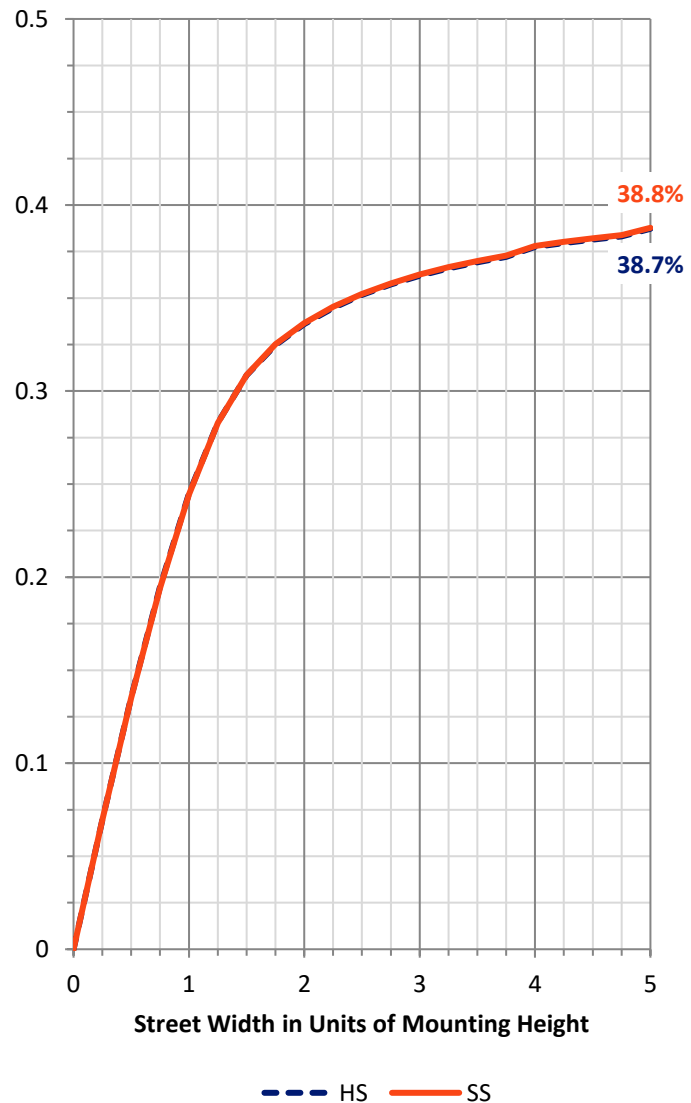
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1158.9	266.7	1425.6
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1158.9	266.7	1425.6
	% Fixture	40.6	9.4	50.0
Total	Lumens	2317.8	533.4	2851.2
	% Fixture	81.3	18.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	1.0
10°-20°	95.7	3.4
20°-30°	169.6	5.9
30°-40°	289.0	10.1
40°-50°	472.0	16.6
50°-60°	494.5	17.3
60°-70°	310.9	10.9
70°-80°	265.1	9.3
80°-90°	193.3	6.8
90°-100°	134.5	4.7
100°-110°	116.0	4.1
110°-120°	130.5	4.6
120°-130°	105.4	3.7
130°-140°	40.5	1.4
140°-150°	6.3	0.2
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2317.8	81.3
0°-180°	2851.2	100.0



REPORT NUMBER: P271885

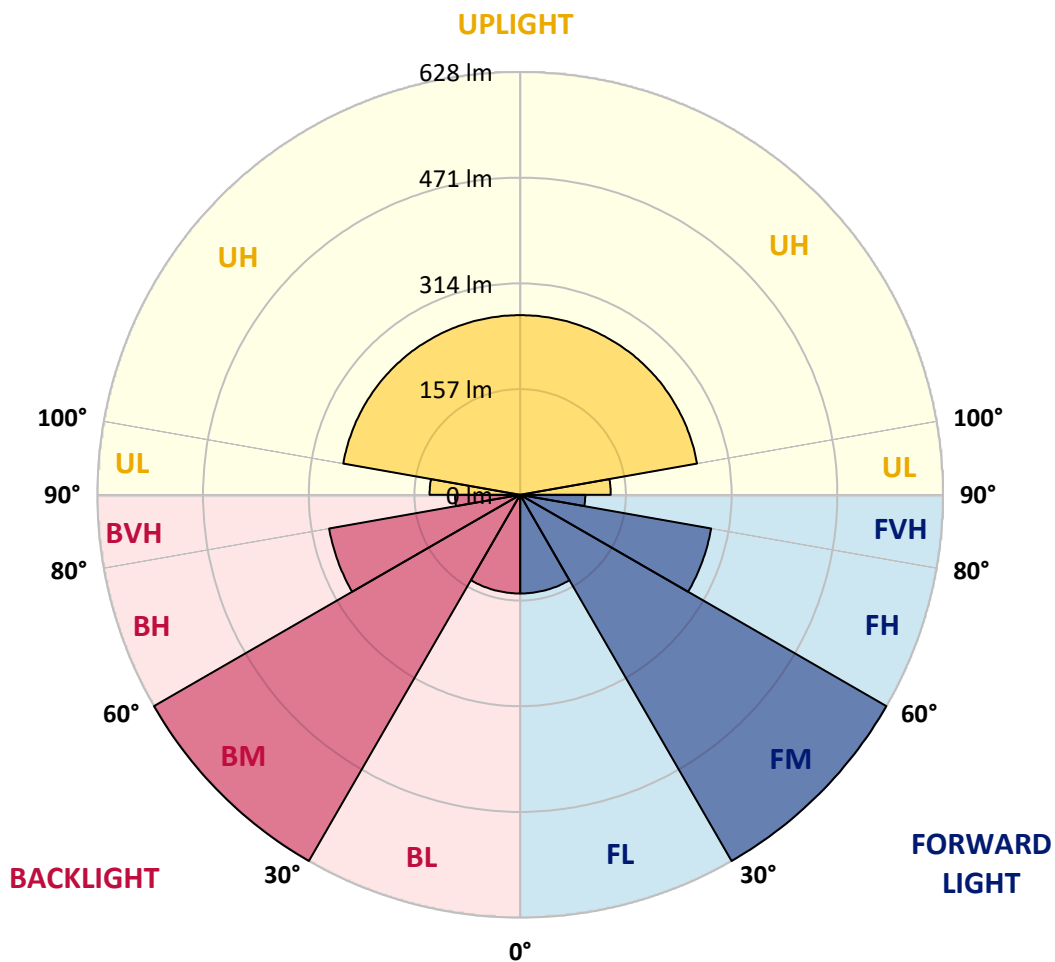
CATALOG NUMBER: MPB-AF-D-U-SYM-7027-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.5	5.1			
FM (30°-60°)	627.8	22.0			
FH (60°-80°)	288.0	10.1			G0/660
FVH (80°-90°)	96.6	3.4			G1/100
BL (0°-30°)	146.5	5.1	B1/500		
BM (30°-60°)	627.8	22.0	B1/1000		
BH (60°-80°)	288.0	10.1	B1/500		G0/660
BVH (80°-90°)	96.6	3.4			G1/100
UL (90°-100°)	134.5	4.7		U3/500	
UH (100°-180°)	266.7	9.4		U3/500	

BUG Rating: B1-U3-G1

Type V Short





REPORT NUMBER: P271885

CATALOG NUMBER: MPB-AF-D-U-SYM-7027-600

CANDELA DISTRIBUTION (FULL):

	0°
0°	265.7
2.5°	259.9
5°	272.3
7.5°	296.4
10°	318.9
12.5°	331.9
15°	338.5
17.5°	342.2
20°	346.5
22.5°	353.0
25°	361.7
27.5°	375.6
30°	393.9
32.5°	420.8
35°	454.3
37.5°	490.7
40°	533.6
42.5°	575.1
45°	617.3
47.5°	644.3
50°	654.4
52.5°	631.1
55°	571.4
57.5°	488.5
60°	393.9
62.5°	334.1
65°	301.4
67.5°	285.3
70°	275.9
72.5°	266.4
75°	254.1
77.5°	236.6
80°	216.2
82.5°	194.3
85°	175.3
87.5°	158.7
90°	144.9
92.5°	132.5
95°	121.6
97.5°	112.8
100°	107.0
102.5°	105.6
105°	107.8
107.5°	112.8
110°	117.9



REPORT NUMBER: P271885

CATALOG NUMBER: MPB-AF-D-U-SYM-7027-600

CANDELA DISTRIBUTION (continued):

	0°
112.5°	124.4
115°	132.5
117.5°	139.8
120°	141.9
122.5°	135.5
125°	117.9
127.5°	101.1
130°	84.4
132.5°	67.7
135°	50.2
137.5°	34.2
140°	22.5
142.5°	13.8
145°	8.1
147.5°	4.4
150°	2.2
152.5°	0.7
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)