

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: P212597

Luminaire Tested: **MPB-AF-D-U-SYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212597
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-7030
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4818.4 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U4 - G2

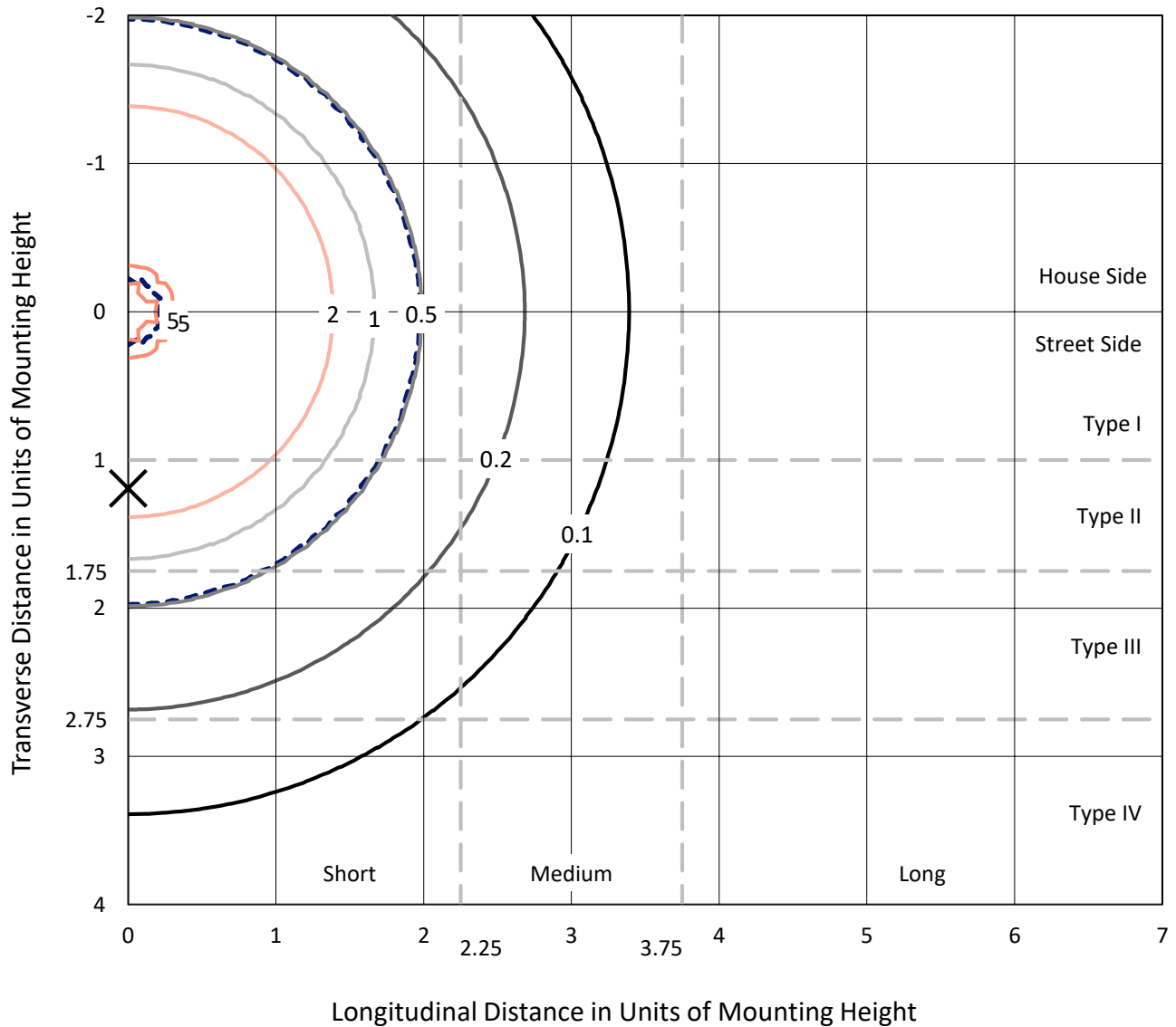
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

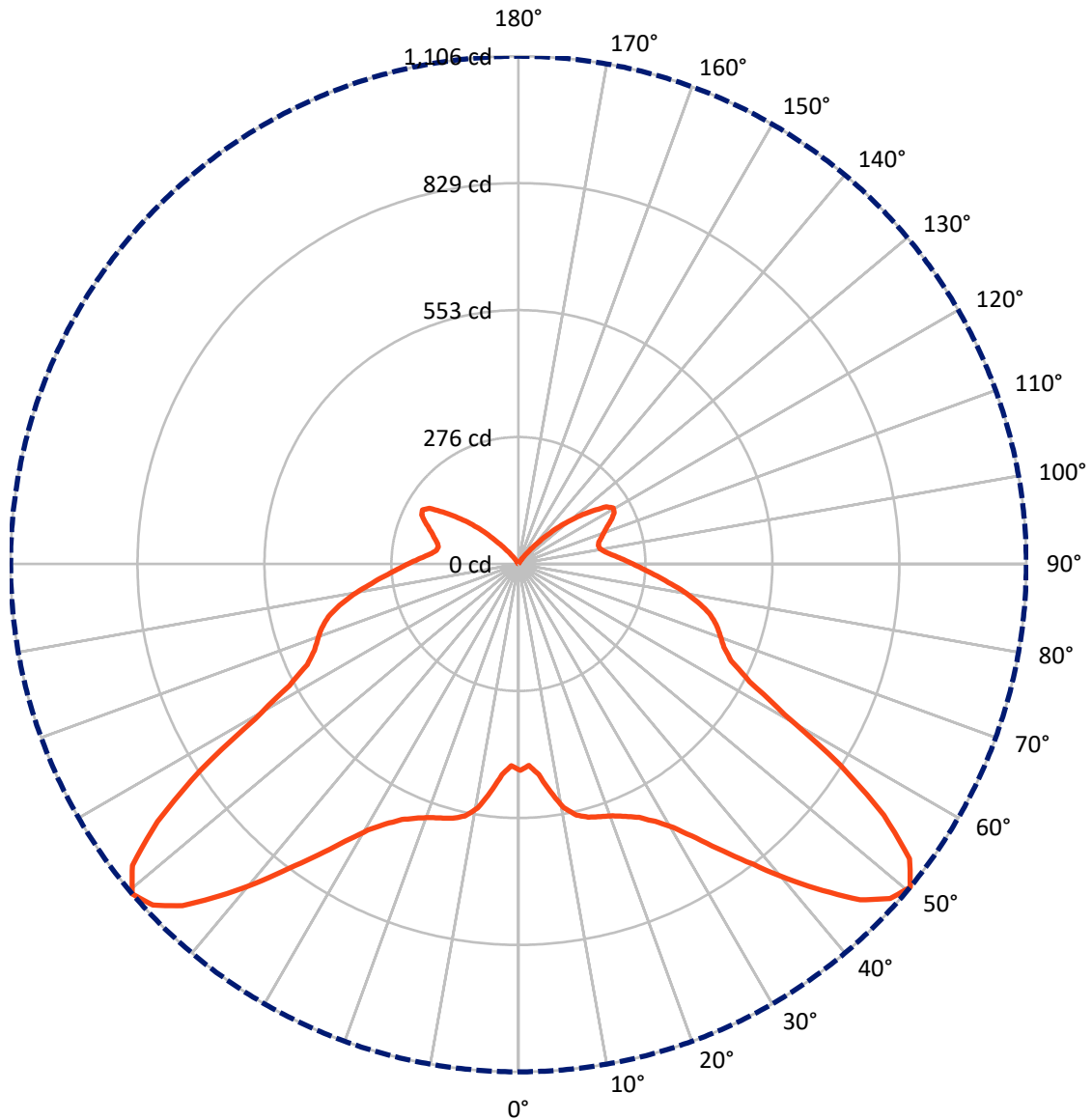
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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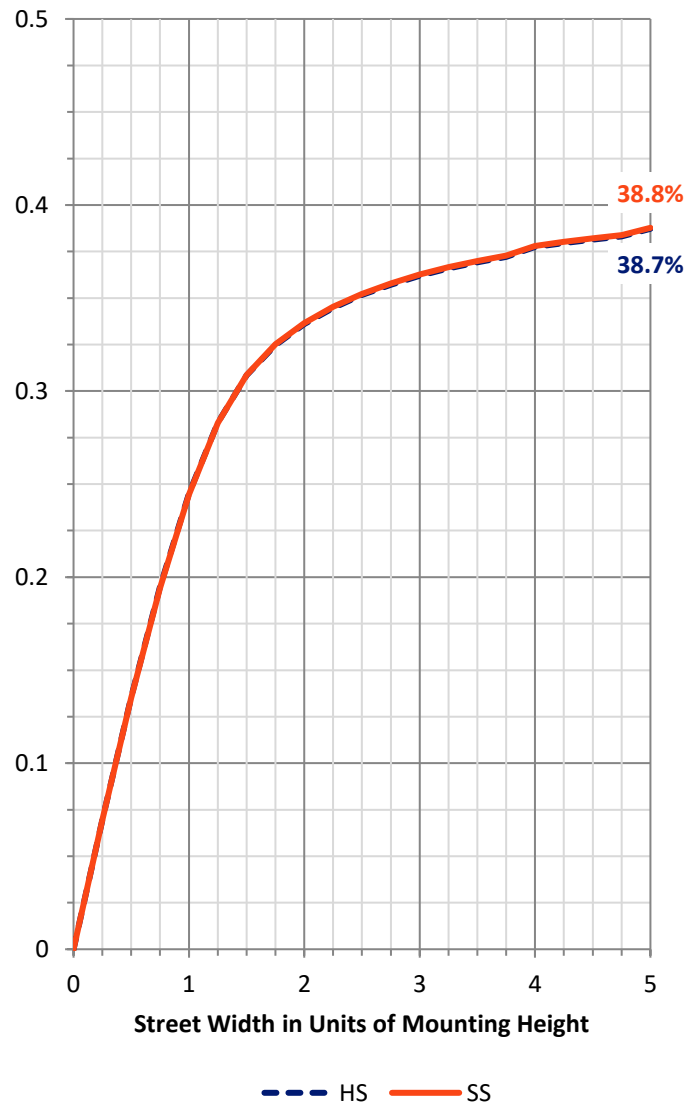
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1958.5	450.7	2409.2
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1958.5	450.7	2409.2
	% Fixture	40.6	9.4	50.0
Total	Lumens	3917.0	901.4	4818.4
	% Fixture	81.3	18.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.0
10°-20°	161.7	3.4
20°-30°	286.7	6.0
30°-40°	488.4	10.1
40°-50°	797.6	16.6
50°-60°	835.7	17.3
60°-70°	525.4	10.9
70°-80°	448.0	9.3
80°-90°	326.7	6.8
90°-100°	227.2	4.7
100°-110°	195.9	4.1
110°-120°	220.6	4.6
120°-130°	178.2	3.7
130°-140°	68.4	1.4
140°-150°	10.6	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3917.0	81.3
0°-180°	4818.4	100.0



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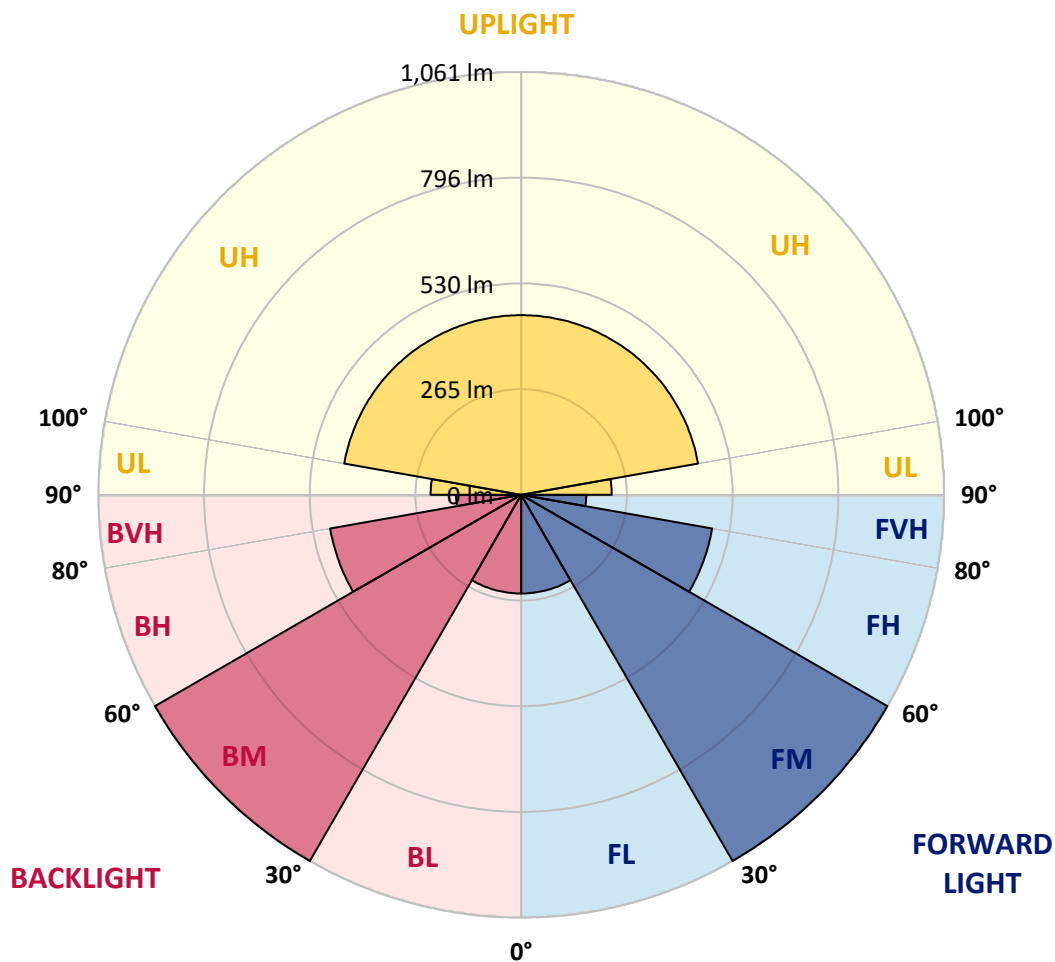
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.6	5.1			
FM (30°-60°)	1060.9	22.0			
FH (60°-80°)	486.7	10.1			G0/660
FVH (80°-90°)	163.3	3.4			G2/225
BL (0°-30°)	247.6	5.1	B1/500		
BM (30°-60°)	1060.9	22.0	B2/2500		
BH (60°-80°)	486.7	10.1	B1/500		G0/660
BVH (80°-90°)	163.3	3.4			G2/225
UL (90°-100°)	227.2	4.7		U3/500	
UH (100°-180°)	450.7	9.4		U3/500	

BUG Rating: B2-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	449.1
2.5°	439.2
5°	460.1
7.5°	500.7
10°	538.9
12.5°	560.9
15°	572.1
17.5°	578.2
20°	585.5
22.5°	596.7
25°	611.4
27.5°	634.8
30°	665.5
32.5°	711.1
35°	767.7
37.5°	829.2
40°	901.7
42.5°	971.9
45°	1043.2
47.5°	1088.8
50°	1105.9
52.5°	1066.6
55°	965.7
57.5°	825.5
60°	665.5
62.5°	564.7
65°	509.3
67.5°	482.3
70°	466.2
72.5°	450.3
75°	429.4
77.5°	399.8
80°	365.4
82.5°	328.4
85°	296.5
87.5°	268.2
90°	244.8
92.5°	223.9
95°	205.4
97.5°	190.7
100°	180.8
102.5°	178.4
105°	182.0
107.5°	190.7
110°	199.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	210.3
115°	223.9
117.5°	236.2
120°	239.9
122.5°	228.8
125°	199.3
127.5°	171.0
130°	142.7
132.5°	114.4
135°	84.9
137.5°	57.8
140°	38.1
142.5°	23.4
145°	13.5
147.5°	7.4
150°	3.7
152.5°	1.2
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)