

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: P212598

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212598
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
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5096.3 lumens
Efficiency: N/A
Efficacy: 87.9 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

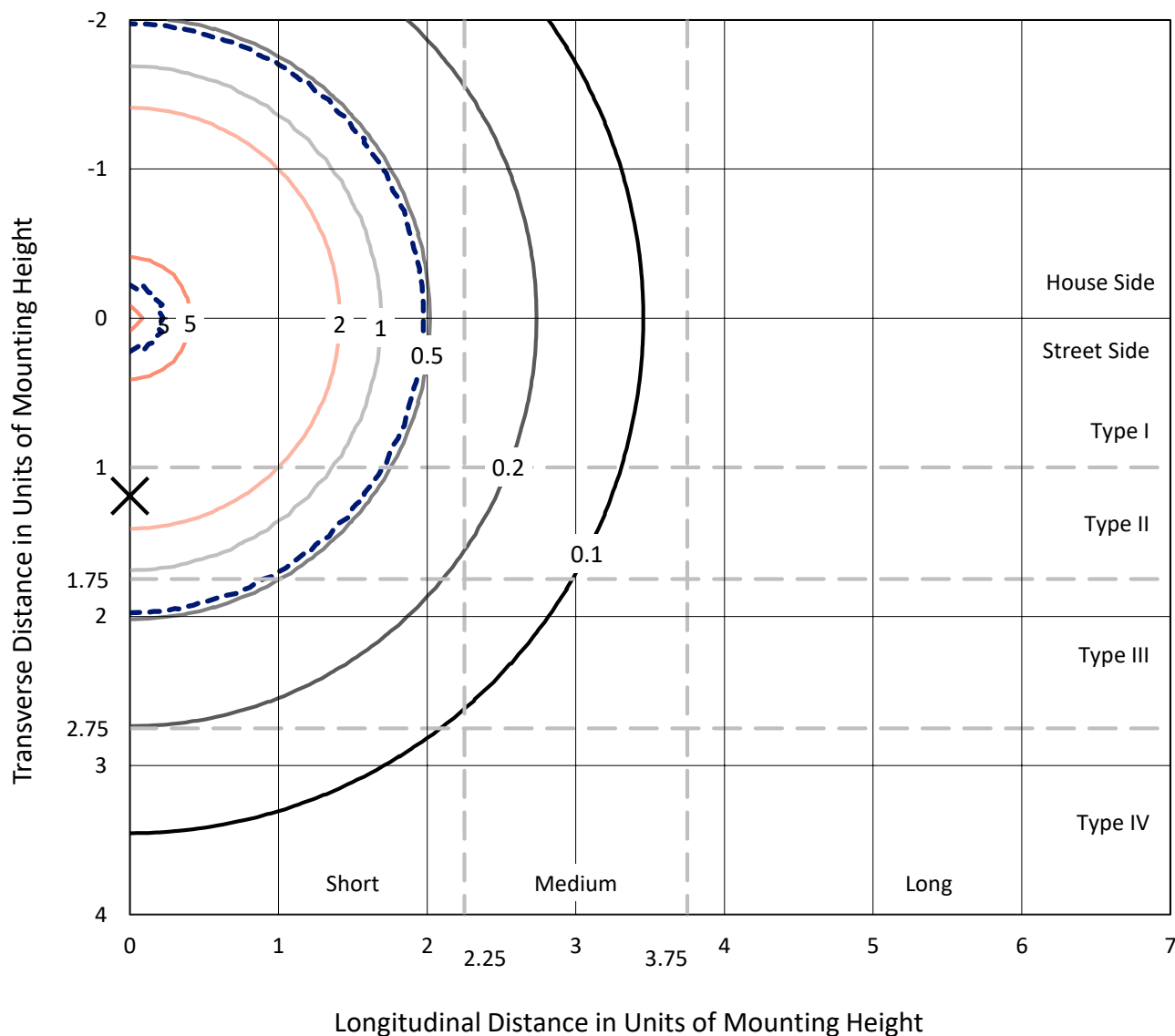


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

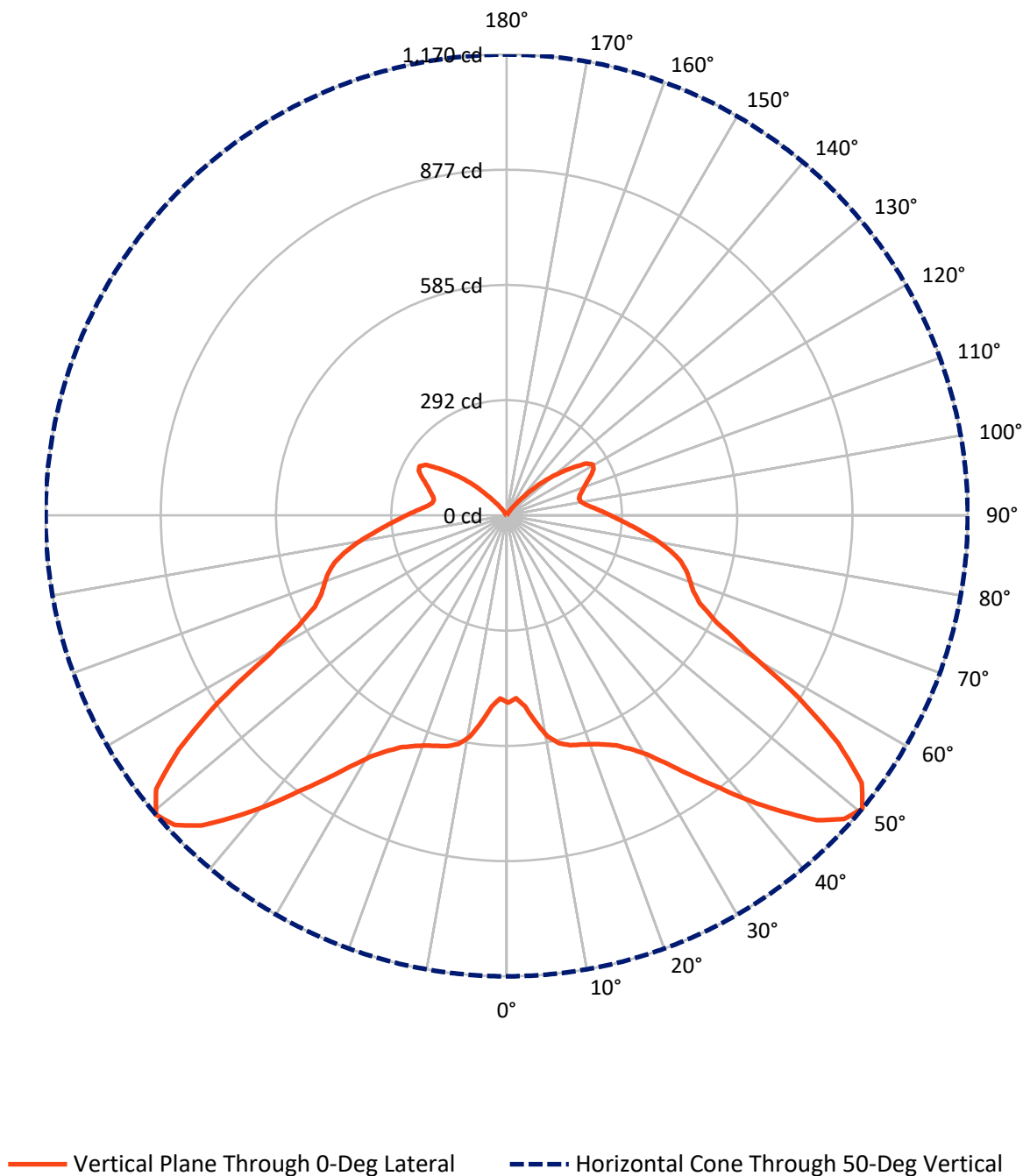


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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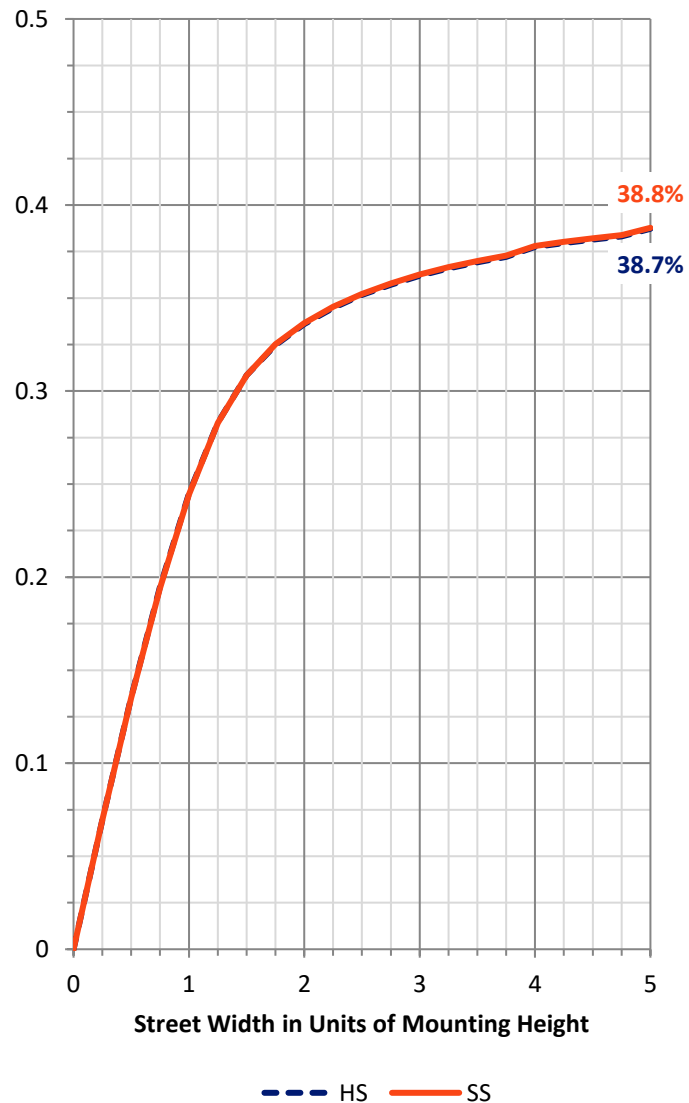
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2071.4	476.7	2548.2
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	2071.4	476.7	2548.2
	% Fixture	40.6	9.4	50.0
Total	Lumens	4142.9	953.5	5096.3
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.0
10°-20°	171.0	3.4
20°-30°	303.2	6.0
30°-40°	516.6	10.1
40°-50°	843.6	16.6
50°-60°	883.9	17.3
60°-70°	555.7	10.9
70°-80°	473.8	9.3
80°-90°	345.5	6.8
90°-100°	240.4	4.7
100°-110°	207.2	4.1
110°-120°	233.3	4.6
120°-130°	188.5	3.7
130°-140°	72.4	1.4
140°-150°	11.3	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4142.9	81.3
0°-180°	5096.3	100.0

Coefficient of Utilization



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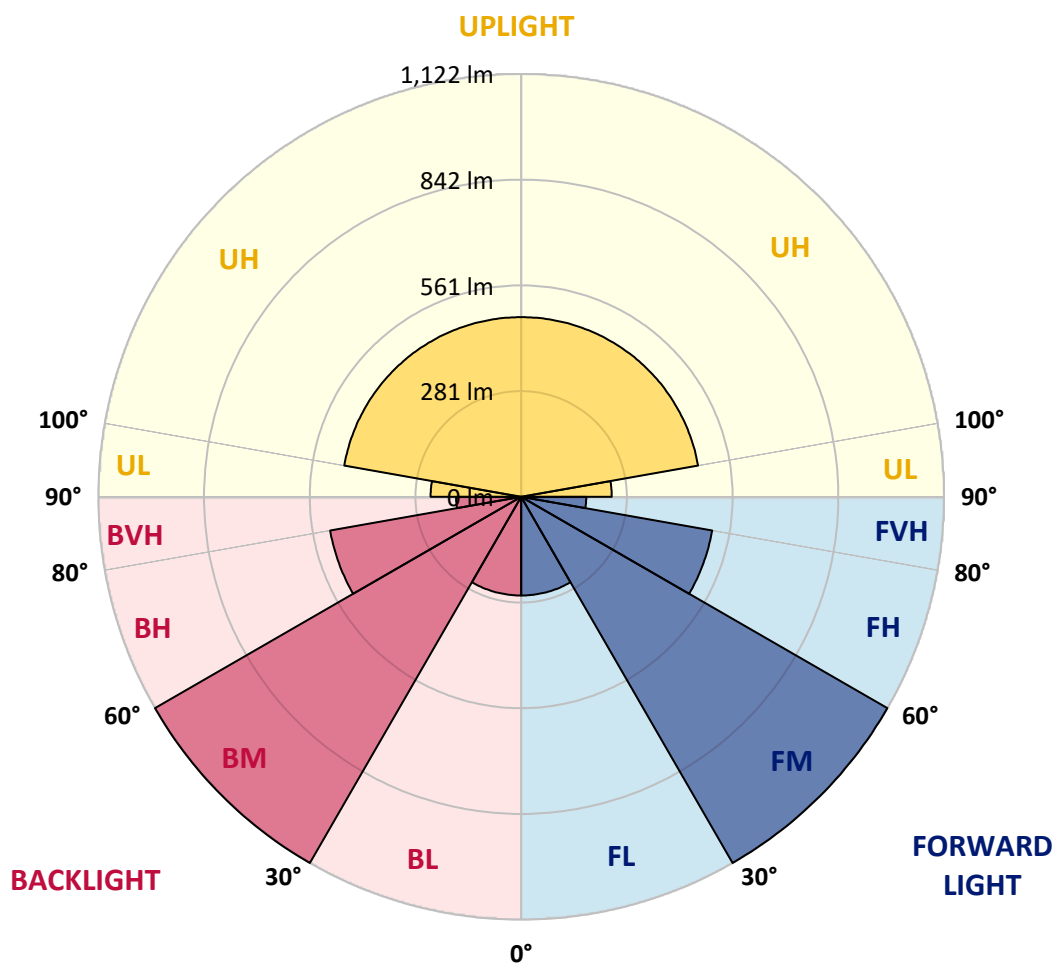
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.9	5.1			
FM	(30°-60°)	1122.1	22.0			
FH	(60°-80°)	514.8	10.1			G0/660
FVH	(80°-90°)	172.8	3.4			G2/225
BL	(0°-30°)	261.9	5.1	B1/500		
BM	(30°-60°)	1122.1	22.0	B2/2500		
BH	(60°-80°)	514.8	10.1	B2/1000		G0/660
BVH	(80°-90°)	172.8	3.4			G2/225
UL	(90°-100°)	240.4	4.7		U3/500	
UH	(100°-180°)	476.7	9.4		U3/500	

BUG Rating: B2-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	475.0
2.5°	464.5
5°	486.6
7.5°	529.6
10°	569.9
12.5°	593.3
15°	605.1
17.5°	611.5
20°	619.4
22.5°	631.1
25°	646.7
27.5°	671.4
30°	703.9
32.5°	752.1
35°	811.9
37.5°	877.0
40°	953.8
42.5°	1028.0
45°	1103.4
47.5°	1151.5
50°	1169.7
52.5°	1128.1
55°	1021.4
57.5°	873.1
60°	703.9
62.5°	597.2
65°	538.7
67.5°	510.0
70°	493.2
72.5°	476.2
75°	454.1
77.5°	422.9
80°	386.5
82.5°	347.4
85°	313.5
87.5°	283.7
90°	258.9
92.5°	236.8
95°	217.3
97.5°	201.7
100°	191.3
102.5°	188.6
105°	192.6
107.5°	201.7
110°	210.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	222.5
115°	236.8
117.5°	249.8
120°	253.7
122.5°	242.0
125°	210.8
127.5°	180.9
130°	151.0
132.5°	121.0
135°	89.8
137.5°	61.2
140°	40.3
142.5°	24.8
145°	14.3
147.5°	7.8
150°	3.9
152.5°	1.3
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)