

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: P212592

Luminaire Tested: **MPB-AF-D-U-SYM-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212592
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-7030-800
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3892.9 lumens
Efficiency: N/A
Efficacy: 88.5 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): 44
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

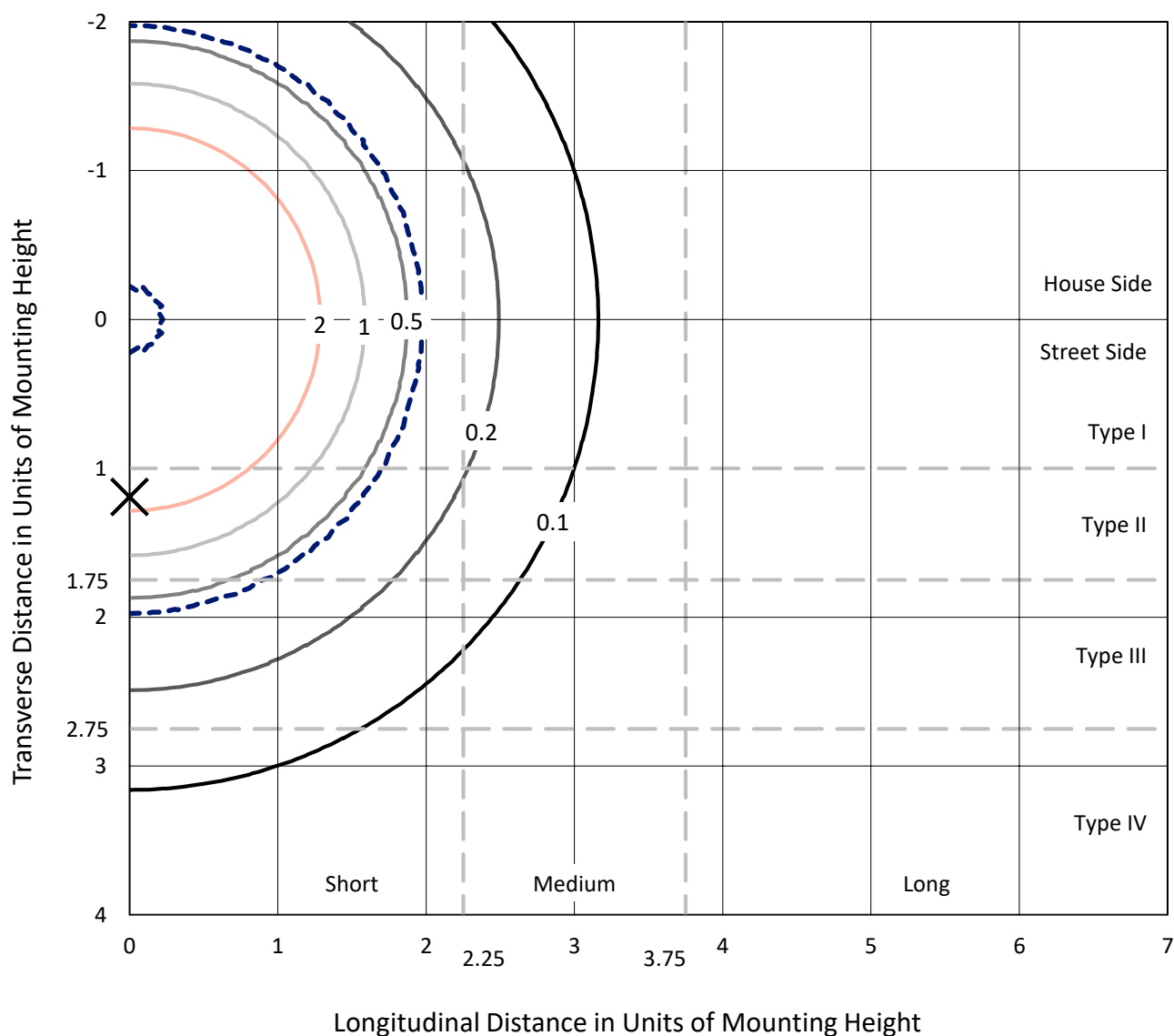


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

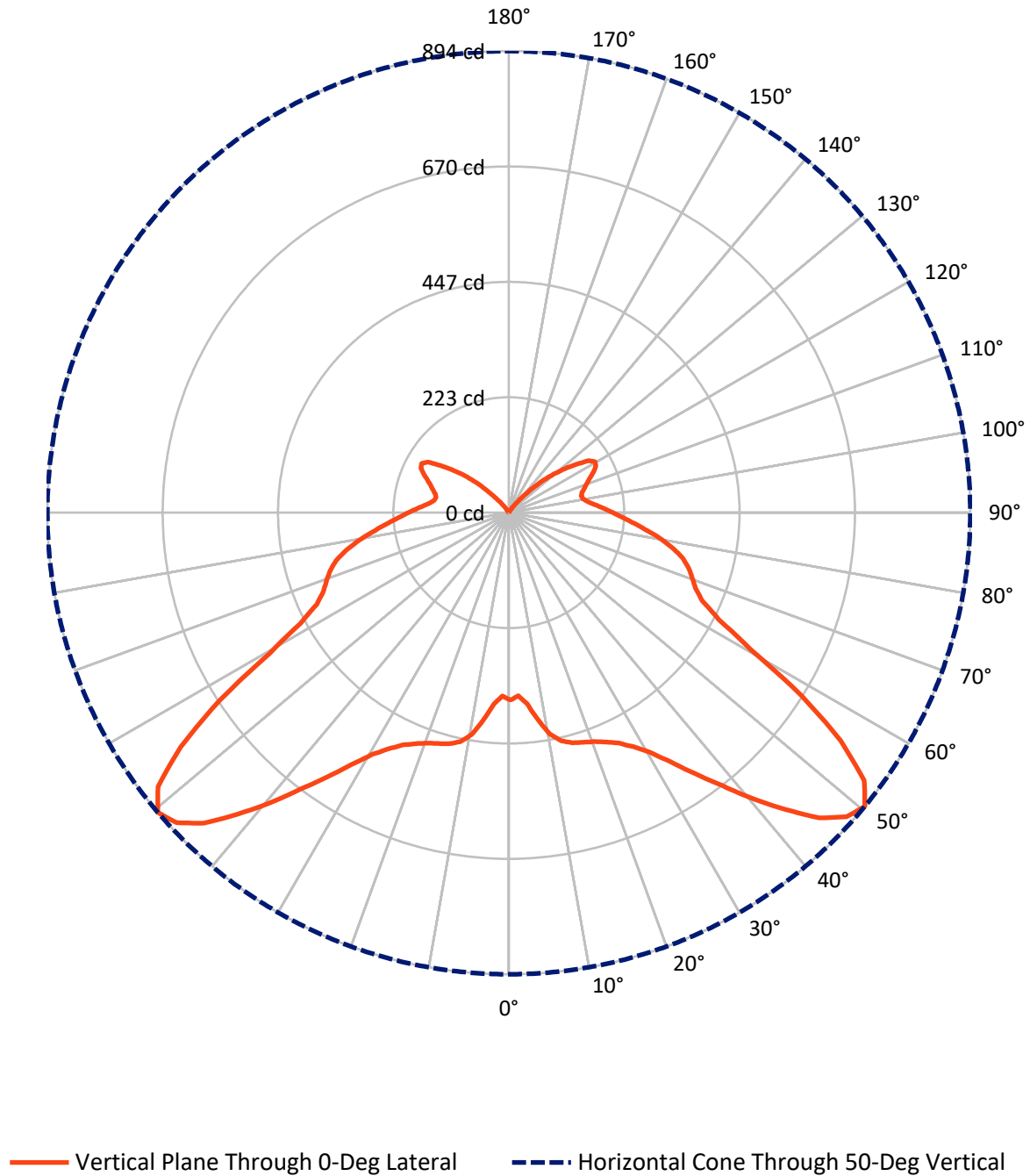


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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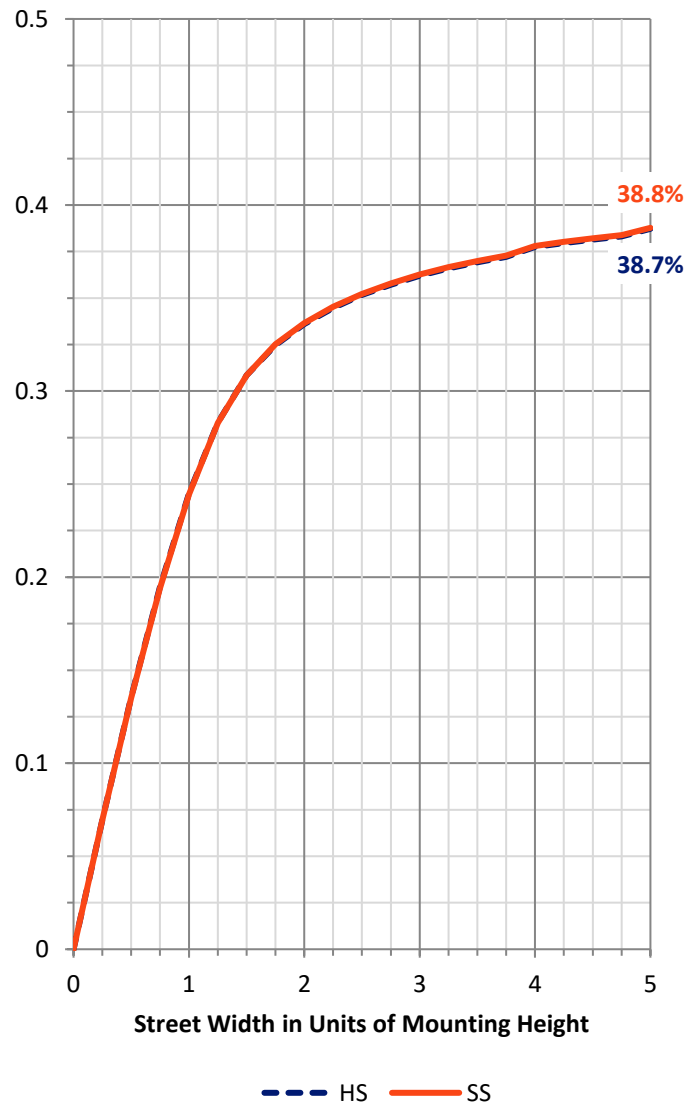
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1582.3	364.2	1946.5
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1582.3	364.2	1946.5
	% Fixture	40.6	9.4	50.0
Total	Lumens	3164.6	728.4	3892.9
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	1.0
10°-20°	130.7	3.4
20°-30°	231.6	6.0
30°-40°	394.6	10.1
40°-50°	644.4	16.6
50°-60°	675.2	17.3
60°-70°	424.5	10.9
70°-80°	361.9	9.3
80°-90°	263.9	6.8
90°-100°	183.6	4.7
100°-110°	158.3	4.1
110°-120°	178.2	4.6
120°-130°	143.9	3.7
130°-140°	55.3	1.4
140°-150°	8.6	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3164.6	81.3
0°-180°	3892.9	100.0

Coefficient of Utilization



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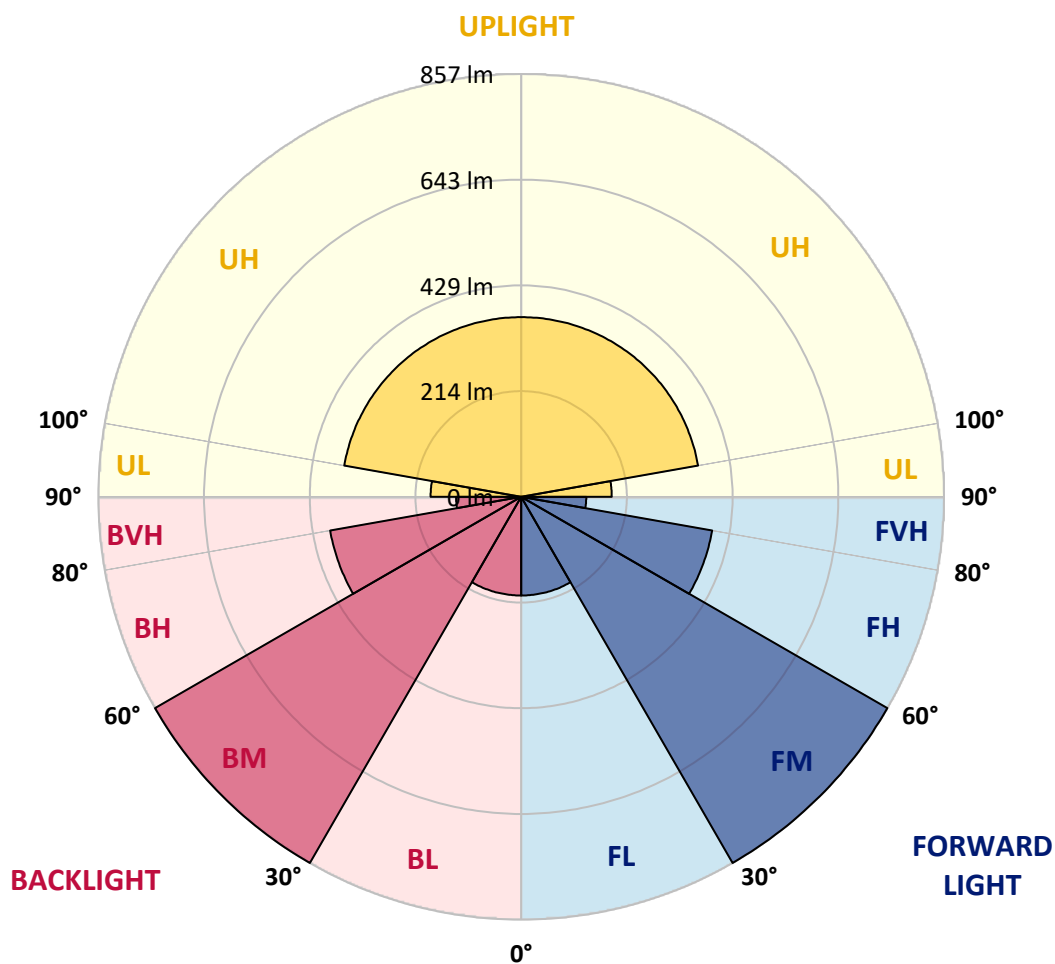
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.0	5.1			
FM	(30°-60°)	857.1	22.0			
FH	(60°-80°)	393.2	10.1			G0/660
FVH	(80°-90°)	132.0	3.4			G2/225
BL	(0°-30°)	200.0	5.1	B1/500		
BM	(30°-60°)	857.1	22.0	B1/1000		
BH	(60°-80°)	393.2	10.1	B1/500		G0/660
BVH	(80°-90°)	132.0	3.4			G2/225
UL	(90°-100°)	183.6	4.7		U3/500	
UH	(100°-180°)	364.2	9.4		U3/500	

BUG Rating: B1-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	362.7
2.5°	354.9
5°	371.7
7.5°	404.5
10°	435.3
12.5°	453.2
15°	462.2
17.5°	467.2
20°	473.1
22.5°	482.1
25°	494.0
27.5°	512.9
30°	537.7
32.5°	574.5
35°	620.2
37.5°	669.9
40°	728.5
42.5°	785.2
45°	842.8
47.5°	879.6
50°	893.5
52.5°	861.7
55°	780.2
57.5°	666.9
60°	537.7
62.5°	456.2
65°	411.5
67.5°	389.6
70°	376.7
72.5°	363.7
75°	346.9
77.5°	323.0
80°	295.2
82.5°	265.4
85°	239.5
87.5°	216.7
90°	197.8
92.5°	180.9
95°	166.0
97.5°	154.1
100°	146.1
102.5°	144.1
105°	147.1
107.5°	154.1
110°	161.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	170.0
115°	180.9
117.5°	190.9
120°	193.8
122.5°	184.9
125°	161.0
127.5°	138.1
130°	115.3
132.5°	92.4
135°	68.6
137.5°	46.8
140°	30.8
142.5°	18.9
145°	10.9
147.5°	6.0
150°	3.0
152.5°	1.0
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)