

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: P212594

Luminaire Tested: **MPB-AF-D-U-SYM-7050-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212594
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-7050-800
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4025 lumens
Efficiency: N/A
Efficacy: 91.5 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

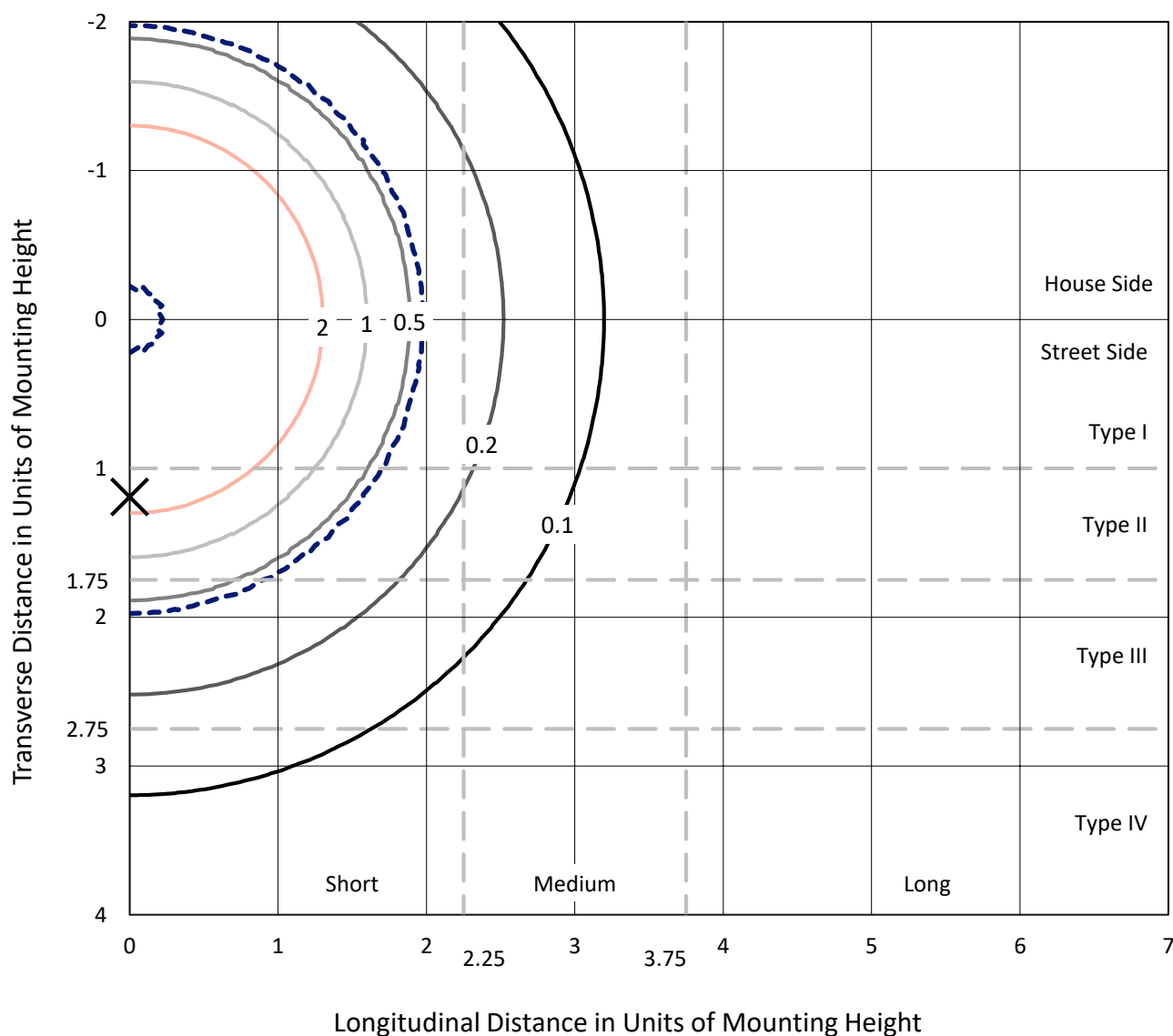


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

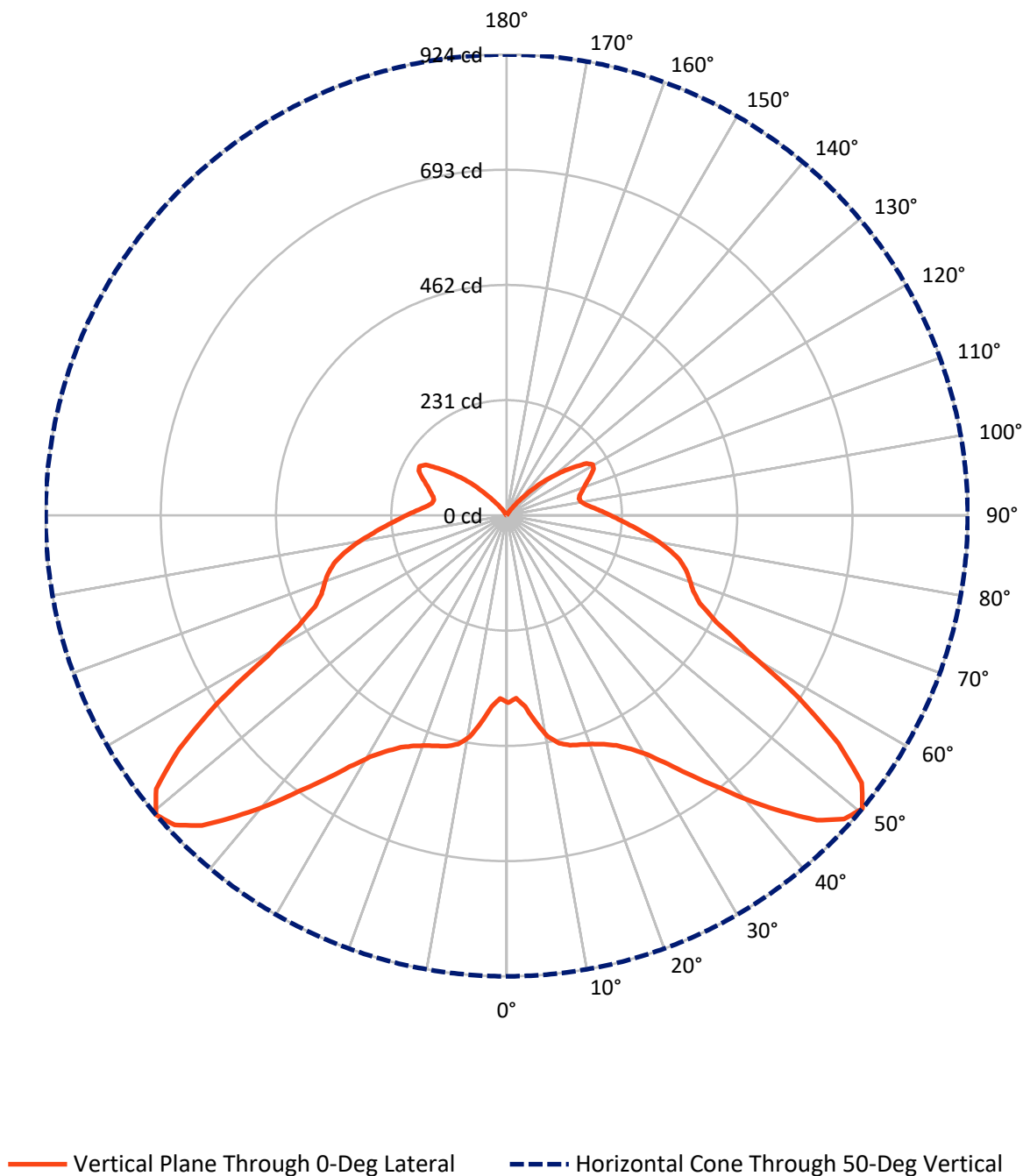


Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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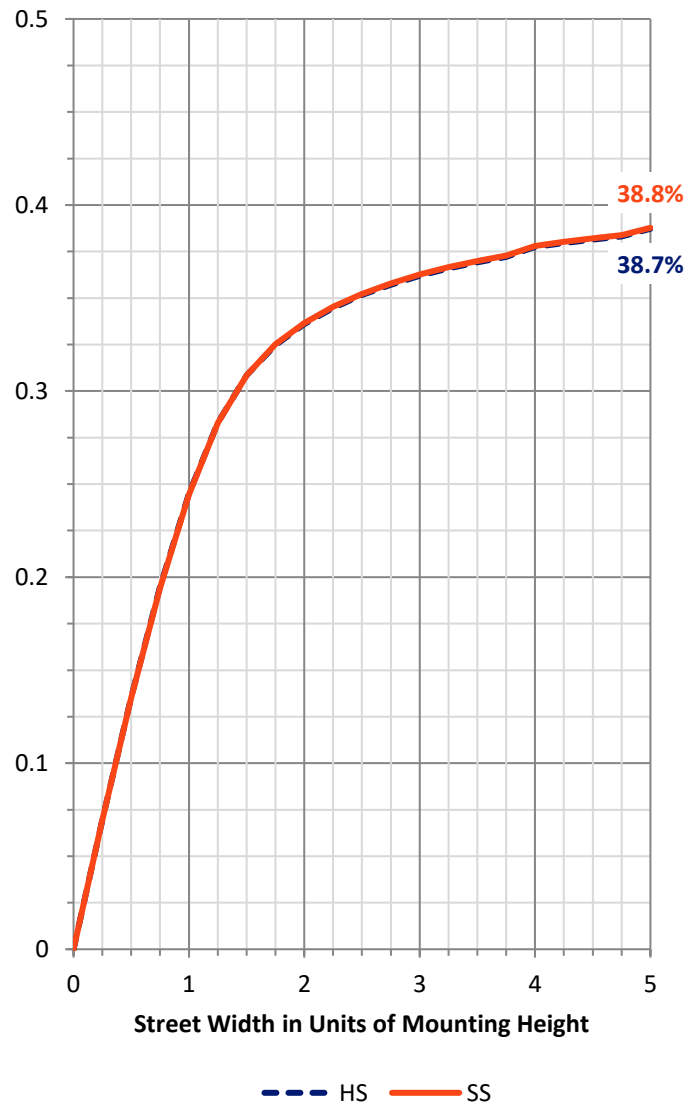
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1636.0	376.5	2012.5
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1636.0	376.5	2012.5
	% Fixture	40.6	9.4	50.0
Total	Lumens	3272.0	753.0	4025.0
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.0
10°-20°	135.1	3.4
20°-30°	239.5	6.0
30°-40°	408.0	10.1
40°-50°	666.3	16.6
50°-60°	698.2	17.3
60°-70°	438.9	10.9
70°-80°	374.2	9.3
80°-90°	272.9	6.8
90°-100°	189.8	4.7
100°-110°	163.7	4.1
110°-120°	184.3	4.6
120°-130°	148.8	3.7
130°-140°	57.2	1.4
140°-150°	8.9	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3272.0	81.3
0°-180°	4025.0	100.0

Coefficient of Utilization



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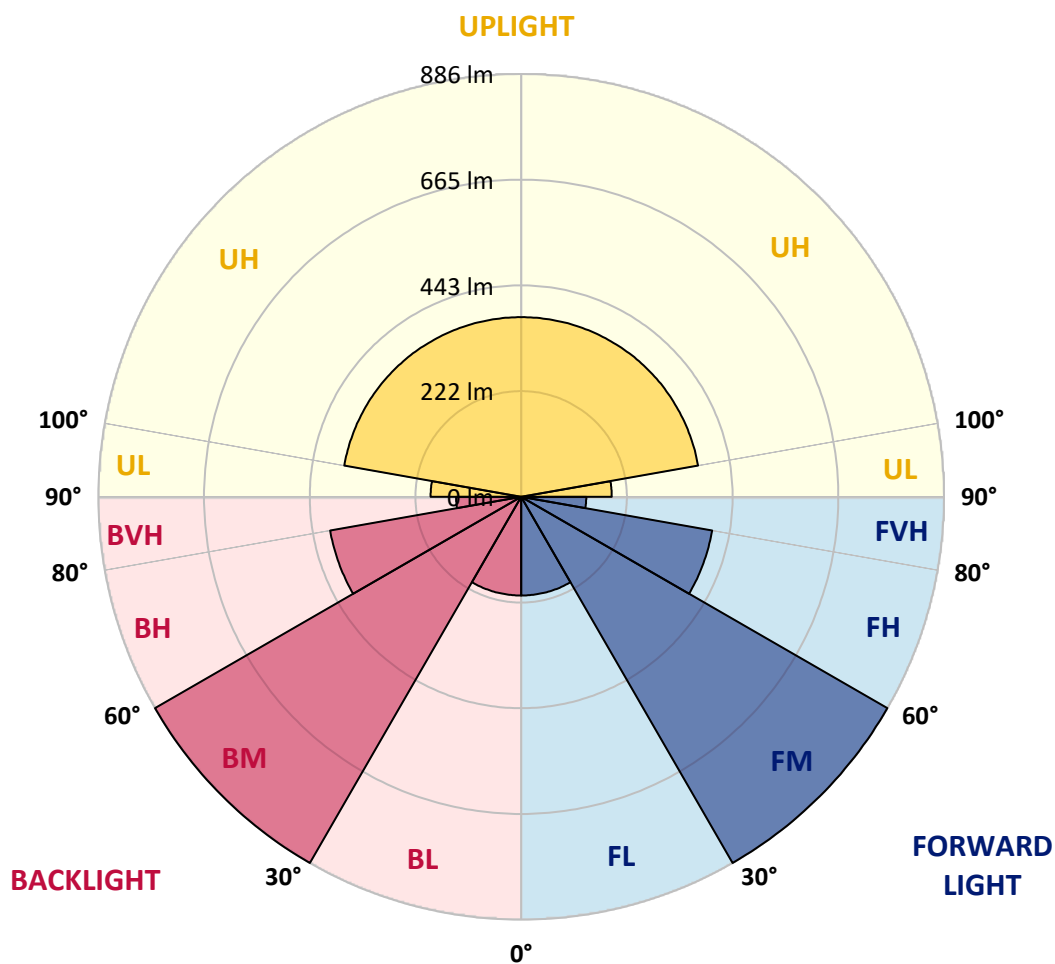
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.8	5.1			
FM	(30°-60°)	886.2	22.0			
FH	(60°-80°)	406.5	10.1			G0/660
FVH	(80°-90°)	136.4	3.4			G2/225
BL	(0°-30°)	206.8	5.1	B1/500		
BM	(30°-60°)	886.2	22.0	B1/1000		
BH	(60°-80°)	406.5	10.1	B1/500		G0/660
BVH	(80°-90°)	136.4	3.4			G2/225
UL	(90°-100°)	189.8	4.7		U3/500	
UH	(100°-180°)	376.5	9.4		U3/500	

BUG Rating: B1-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	375.1
2.5°	366.9
5°	384.3
7.5°	418.3
10°	450.1
12.5°	468.6
15°	477.9
17.5°	483.0
20°	489.2
22.5°	498.4
25°	510.7
27.5°	530.3
30°	556.0
32.5°	594.0
35°	641.3
37.5°	692.6
40°	753.3
42.5°	811.8
45°	871.4
47.5°	909.5
50°	923.9
52.5°	891.0
55°	806.7
57.5°	689.6
60°	556.0
62.5°	471.7
65°	425.4
67.5°	402.8
70°	389.5
72.5°	376.1
75°	358.6
77.5°	334.0
80°	305.2
82.5°	274.4
85°	247.7
87.5°	224.0
90°	204.5
92.5°	187.0
95°	171.6
97.5°	159.3
100°	151.1
102.5°	149.0
105°	152.1
107.5°	159.3
110°	166.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	175.7
115°	187.0
117.5°	197.3
120°	200.4
122.5°	191.1
125°	166.5
127.5°	142.8
130°	119.2
132.5°	95.6
135°	70.9
137.5°	48.3
140°	31.9
142.5°	19.5
145°	11.3
147.5°	6.2
150°	3.1
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)