

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: P212593

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212593
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-800
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4117.3 lumens
Efficiency: N/A
Efficacy: 93.6 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

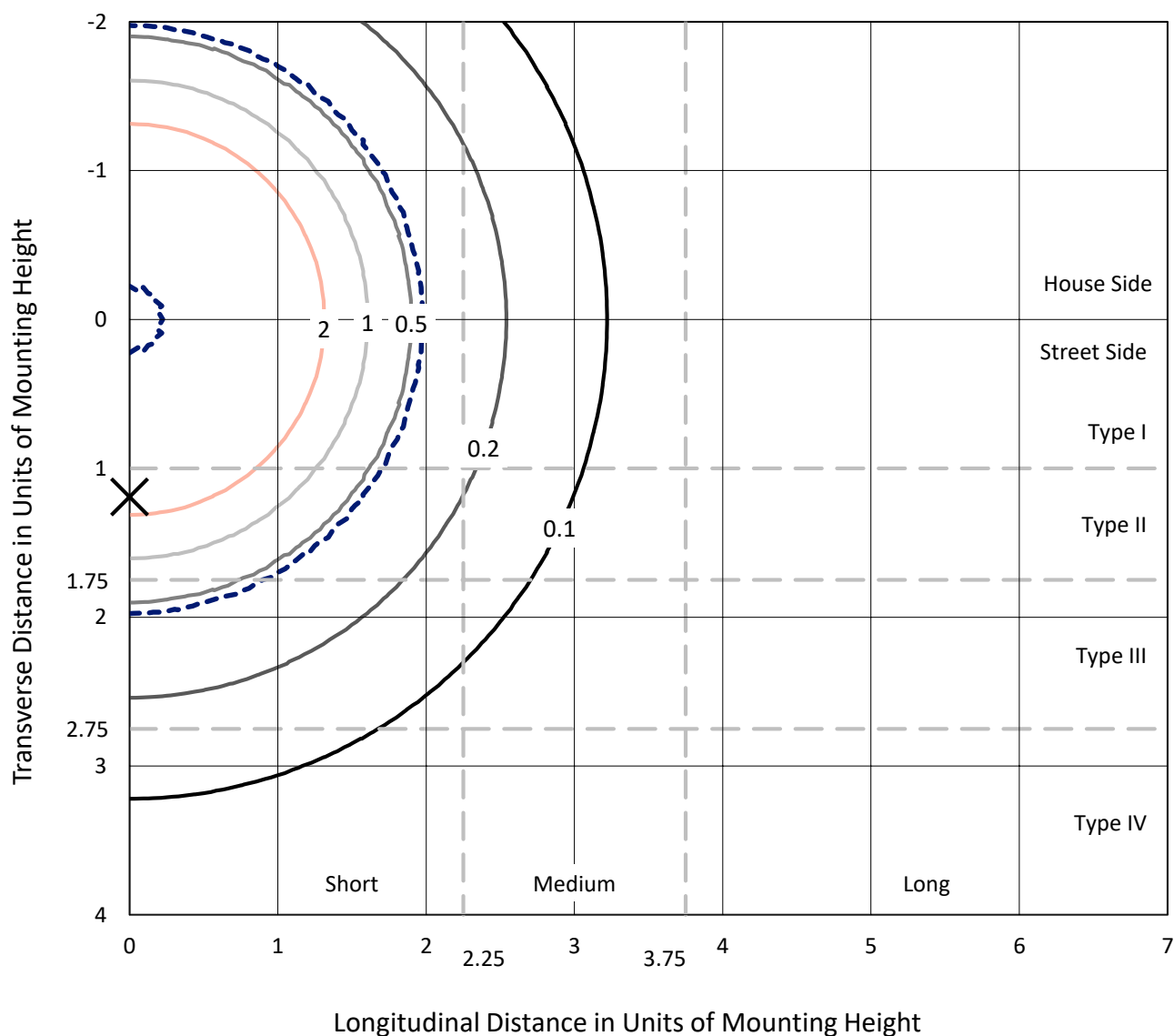


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

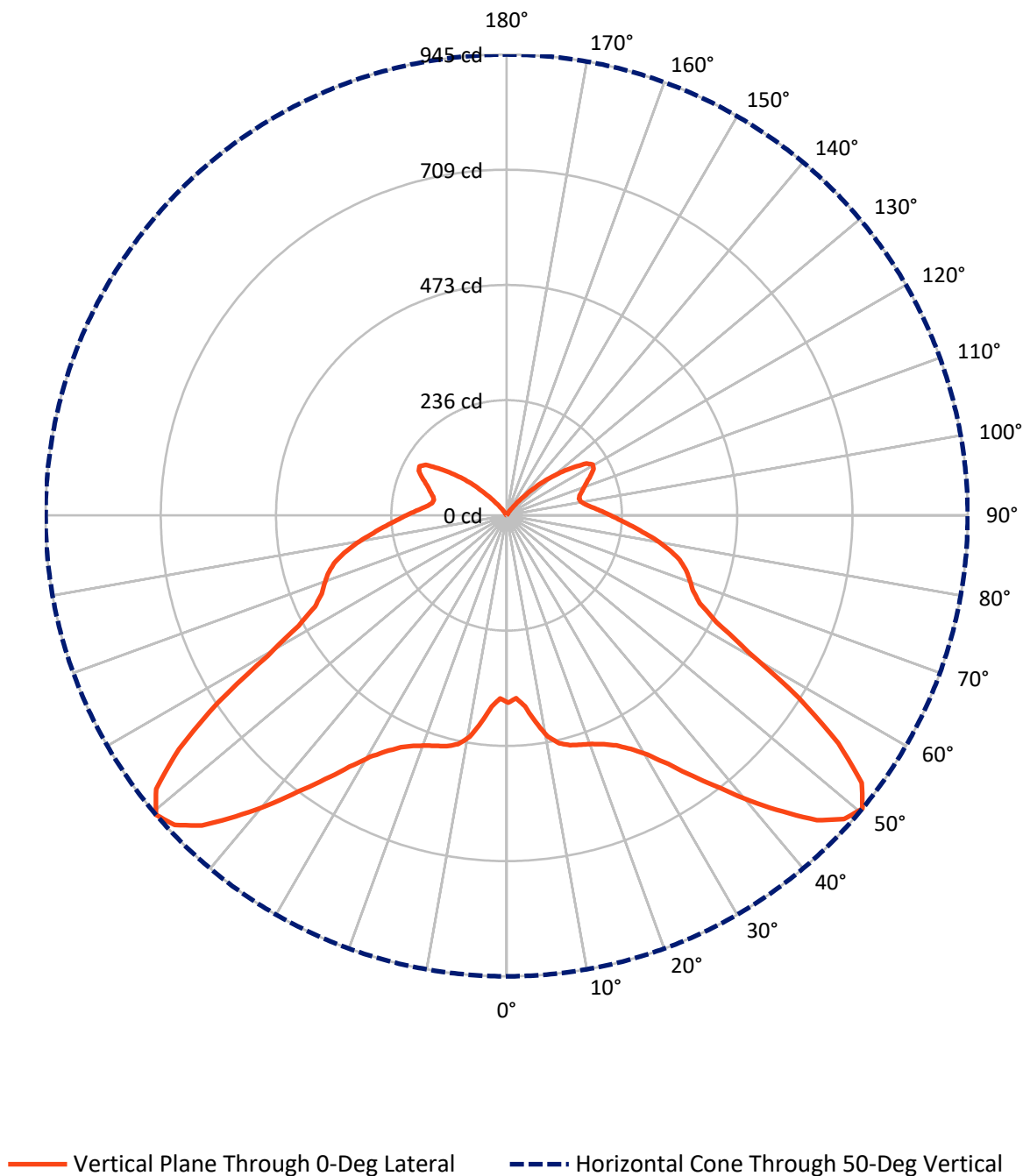


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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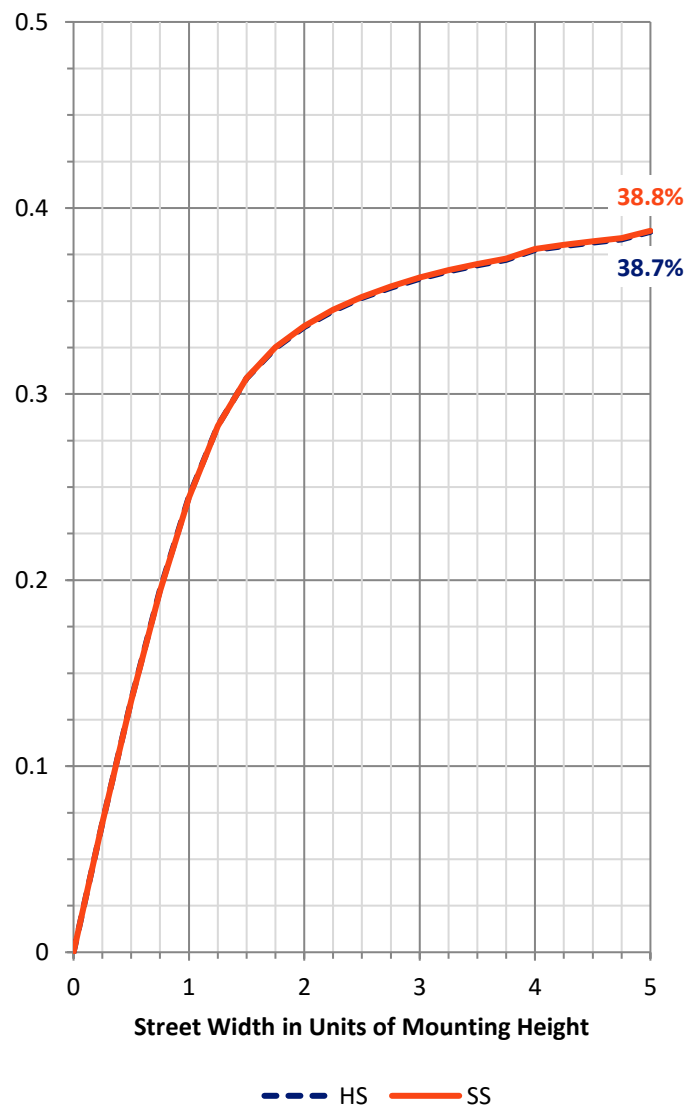
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1673.5	385.1	2058.7
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1673.5	385.1	2058.7
	% Fixture	40.6	9.4	50.0
Total	Lumens	3347.1	770.3	4117.3
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.0
10°-20°	138.2	3.4
20°-30°	245.0	6.0
30°-40°	417.4	10.1
40°-50°	681.5	16.6
50°-60°	714.2	17.3
60°-70°	449.0	10.9
70°-80°	382.8	9.3
80°-90°	279.1	6.8
90°-100°	194.2	4.7
100°-110°	167.5	4.1
110°-120°	188.5	4.6
120°-130°	152.2	3.7
130°-140°	58.5	1.4
140°-150°	9.1	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3347.1	81.3
0°-180°	4117.3	100.0

Coefficient of Utilization



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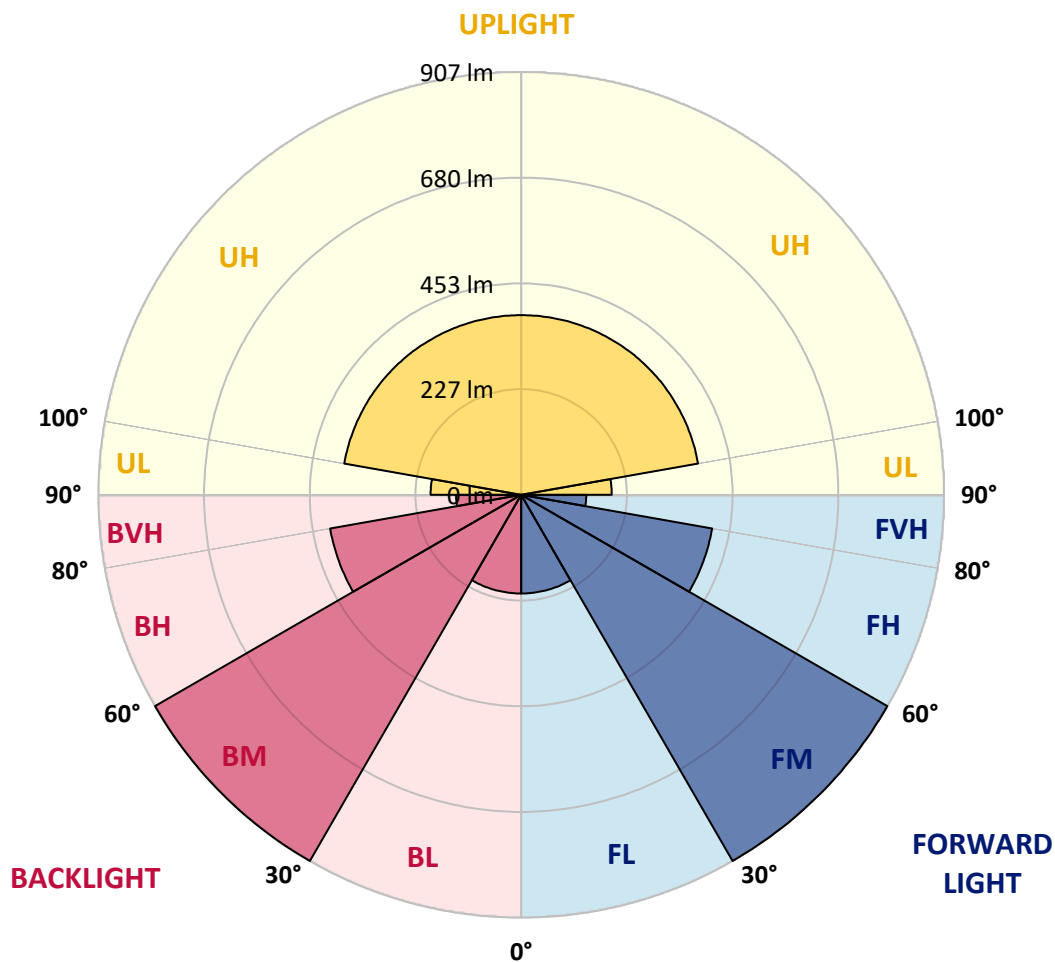
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.6	5.1			
FM	(30°-60°)	906.5	22.0			
FH	(60°-80°)	415.9	10.1			G0/660
FVH	(80°-90°)	139.6	3.4			G2/225
BL	(0°-30°)	211.6	5.1	B1/500		
BM	(30°-60°)	906.5	22.0	B1/1000		
BH	(60°-80°)	415.9	10.1	B1/500		G0/660
BVH	(80°-90°)	139.6	3.4			G2/225
UL	(90°-100°)	194.2	4.7		U3/500	
UH	(100°-180°)	385.1	9.4		U3/500	

BUG Rating: B1-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	383.7
2.5°	375.3
5°	393.1
7.5°	427.9
10°	460.4
12.5°	479.4
15°	488.9
17.5°	494.1
20°	500.4
22.5°	509.8
25°	522.4
27.5°	542.5
30°	568.8
32.5°	607.6
35°	656.0
37.5°	708.5
40°	770.6
42.5°	830.4
45°	891.4
47.5°	930.4
50°	945.1
52.5°	911.4
55°	825.2
57.5°	705.4
60°	568.8
62.5°	482.5
65°	435.2
67.5°	412.0
70°	398.4
72.5°	384.7
75°	366.8
77.5°	341.7
80°	312.2
82.5°	280.7
85°	253.4
87.5°	229.1
90°	209.2
92.5°	191.3
95°	175.5
97.5°	163.0
100°	154.6
102.5°	152.4
105°	155.6
107.5°	163.0
110°	170.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	179.7
115°	191.3
117.5°	201.8
120°	205.0
122.5°	195.5
125°	170.3
127.5°	146.1
130°	121.9
132.5°	97.8
135°	72.5
137.5°	49.4
140°	32.6
142.5°	19.9
145°	11.6
147.5°	6.3
150°	3.2
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)