

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: P212596

Luminaire Tested: **MPB-AF-D-U-SYM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212596
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-8030
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4065 lumens
Efficiency: N/A
Efficacy: 70.1 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): 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

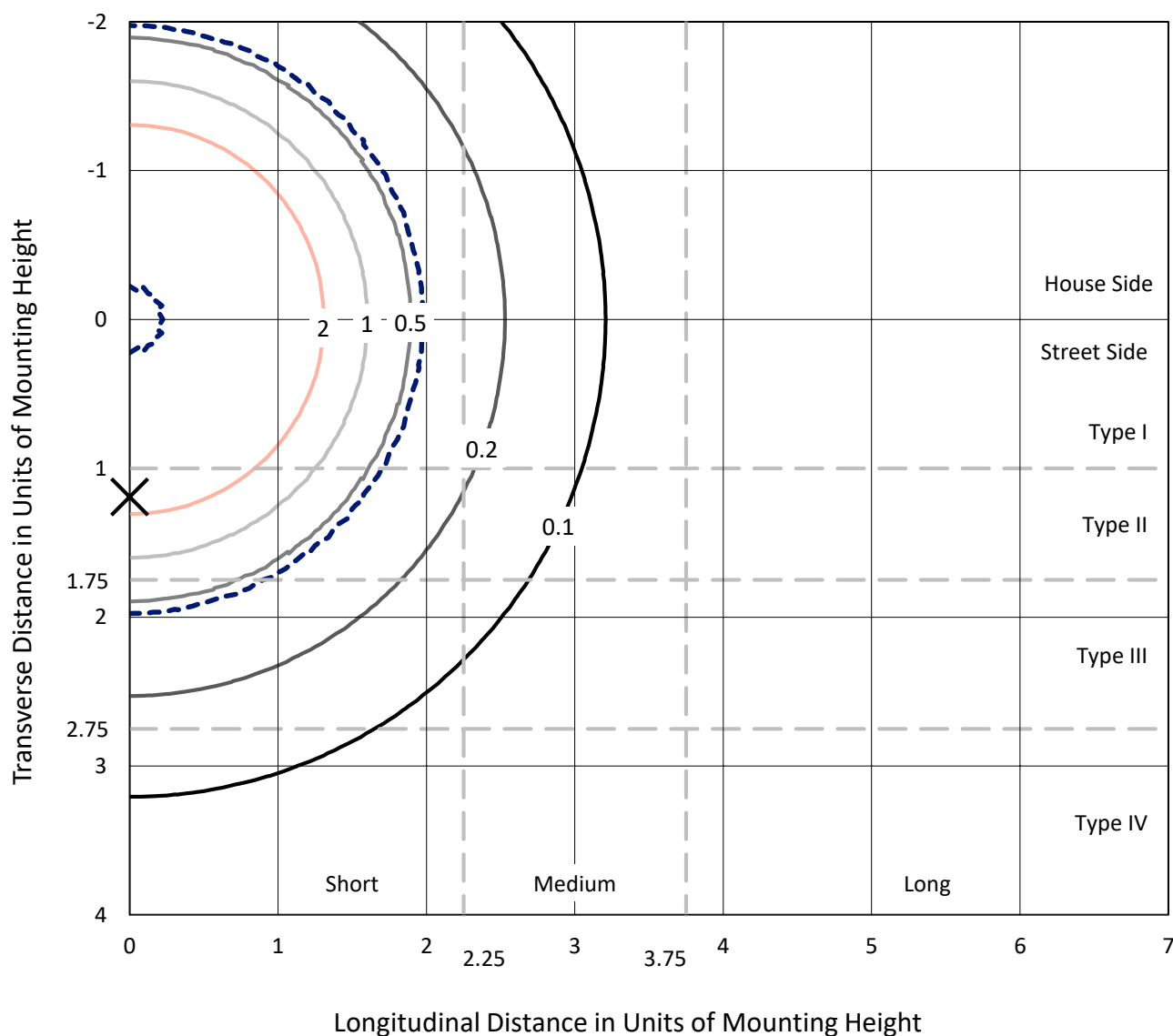


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

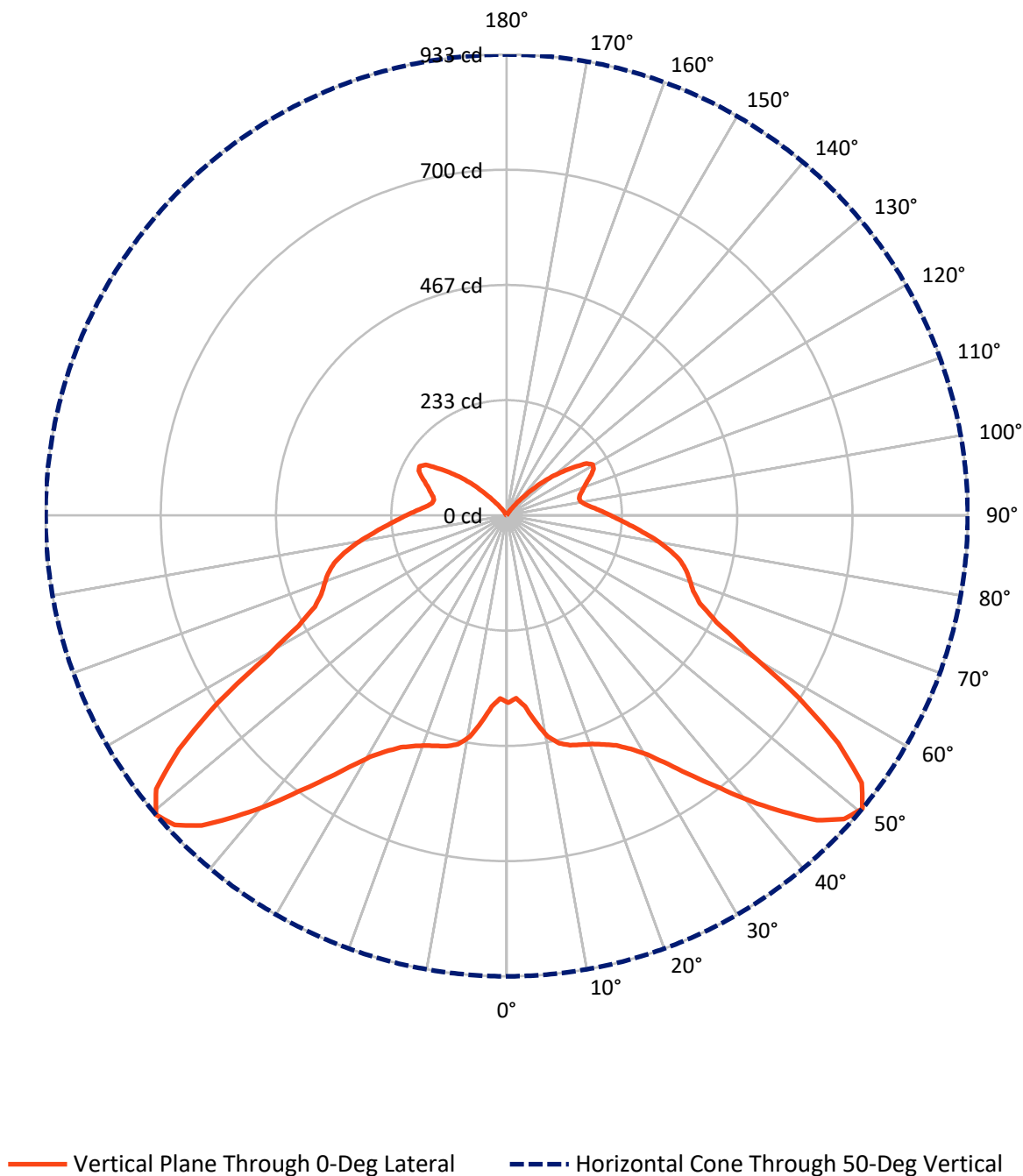


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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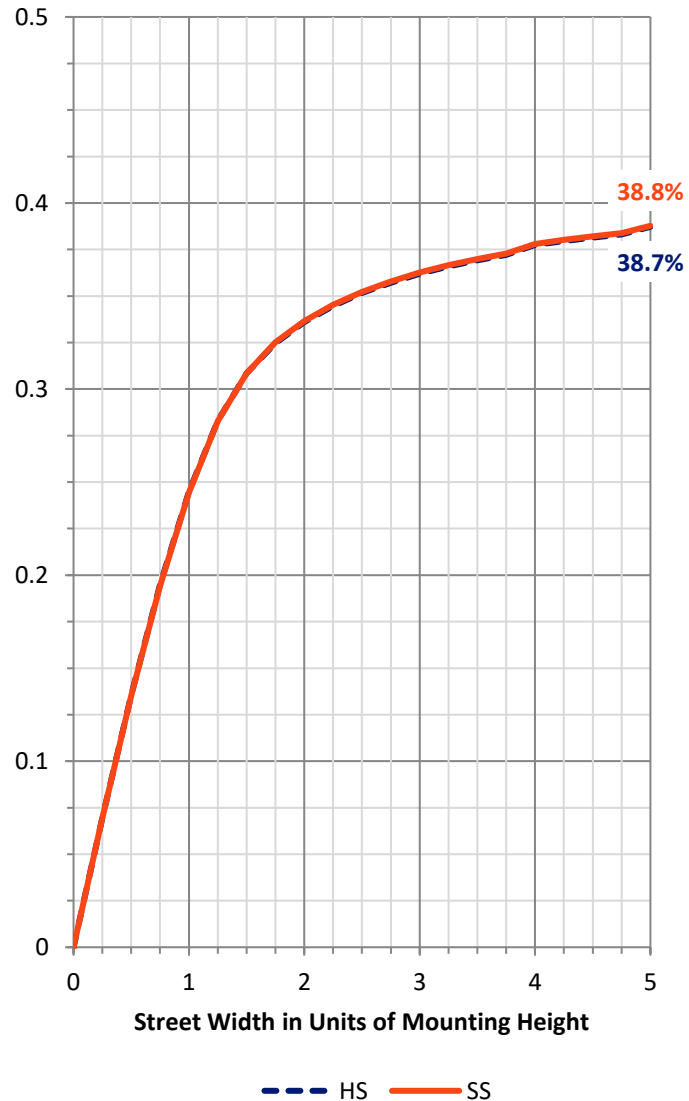
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1652.2	380.3	2032.5
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1652.2	380.3	2032.5
	% Fixture	40.6	9.4	50.0
Total	Lumens	3304.5	760.5	4065.0
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	1.0
10°-20°	136.4	3.4
20°-30°	241.9	6.0
30°-40°	412.0	10.1
40°-50°	672.9	16.6
50°-60°	705.1	17.3
60°-70°	443.3	10.9
70°-80°	377.9	9.3
80°-90°	275.6	6.8
90°-100°	191.7	4.7
100°-110°	165.3	4.1
110°-120°	186.1	4.6
120°-130°	150.3	3.7
130°-140°	57.7	1.4
140°-150°	9.0	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3304.5	81.3
0°-180°	4065.0	100.0

Coefficient of Utilization



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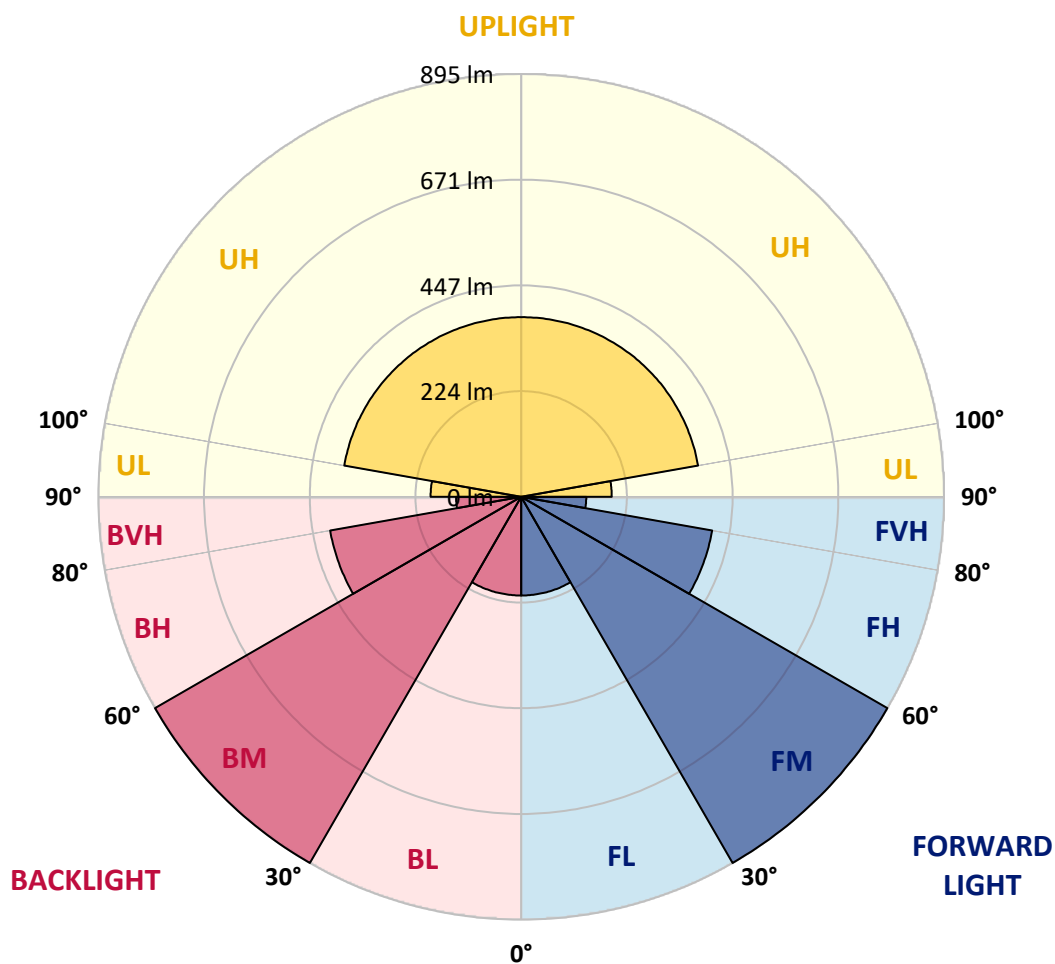
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.9	5.1			
FM	(30°-60°)	895.0	22.0			
FH	(60°-80°)	410.6	10.1			G0/660
FVH	(80°-90°)	137.8	3.4			G2/225
BL	(0°-30°)	208.9	5.1	B1/500		
BM	(30°-60°)	895.0	22.0	B1/1000		
BH	(60°-80°)	410.6	10.1	B1/500		G0/660
BVH	(80°-90°)	137.8	3.4			G2/225
UL	(90°-100°)	191.7	4.7		U3/500	
UH	(100°-180°)	380.3	9.4		U3/500	

BUG Rating: B1-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	378.8
2.5°	370.5
5°	388.2
7.5°	422.4
10°	454.6
12.5°	473.3
15°	482.6
17.5°	487.8
20°	494.0
22.5°	503.4
25°	515.8
27.5°	535.5
30°	561.5
32.5°	599.9
35°	647.6
37.5°	699.5
40°	760.8
42.5°	819.9
45°	880.1
47.5°	918.5
50°	933.0
52.5°	899.8
55°	814.7
57.5°	696.4
60°	561.5
62.5°	476.4
65°	429.7
67.5°	406.8
70°	393.3
72.5°	379.9
75°	362.2
77.5°	337.3
80°	308.2
82.5°	277.1
85°	250.1
87.5°	226.3
90°	206.5
92.5°	188.9
95°	173.3
97.5°	160.9
100°	152.6
102.5°	150.5
105°	153.6
107.5°	160.9
110°	168.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	177.5
115°	188.9
117.5°	199.3
120°	202.4
122.5°	193.0
125°	168.1
127.5°	144.3
130°	120.4
132.5°	96.5
135°	71.6
137.5°	48.8
140°	32.2
142.5°	19.7
145°	11.4
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)