

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: P212599

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212599
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
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4982 lumens
Efficiency: N/A
Efficacy: 85.9 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

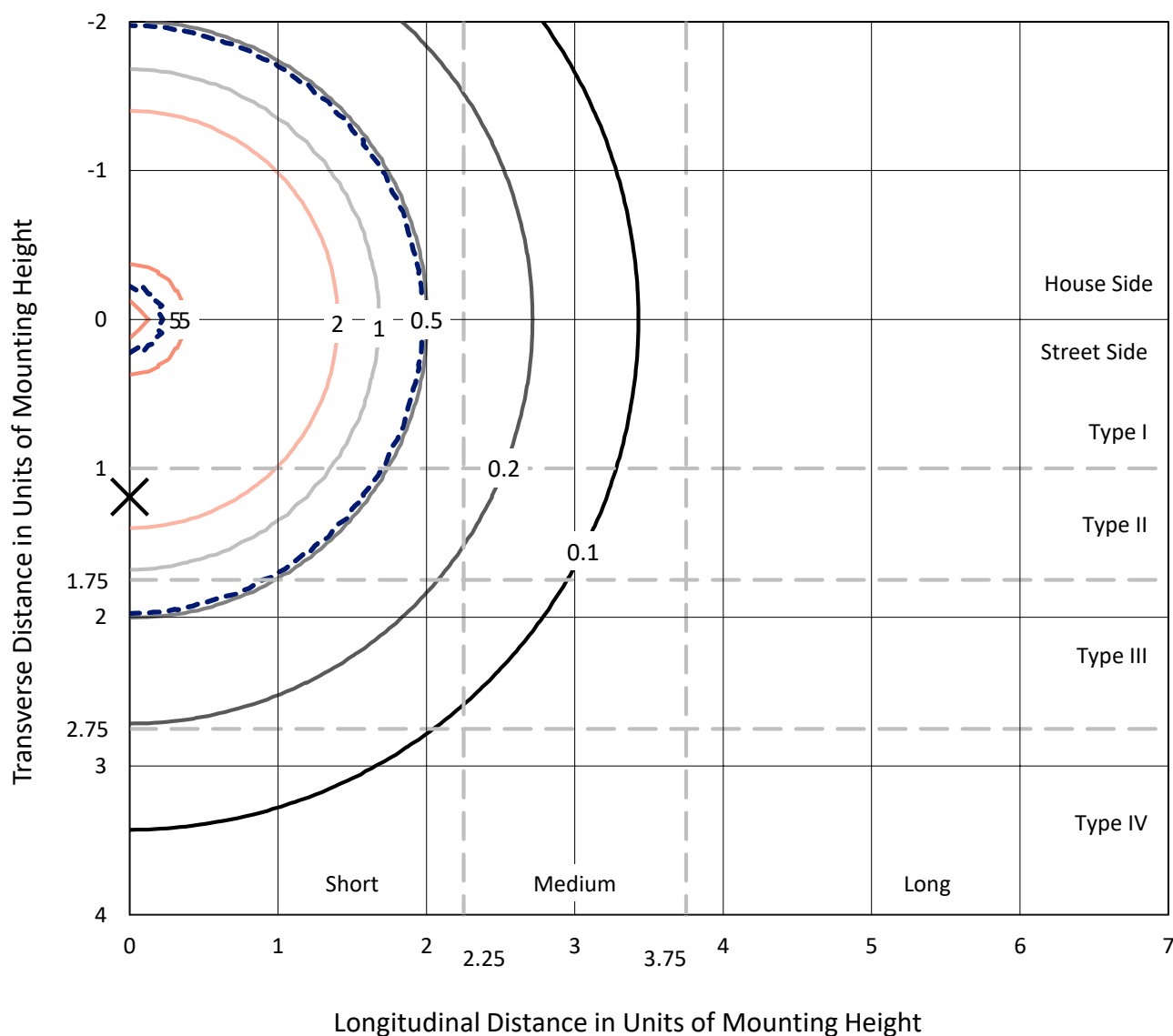


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

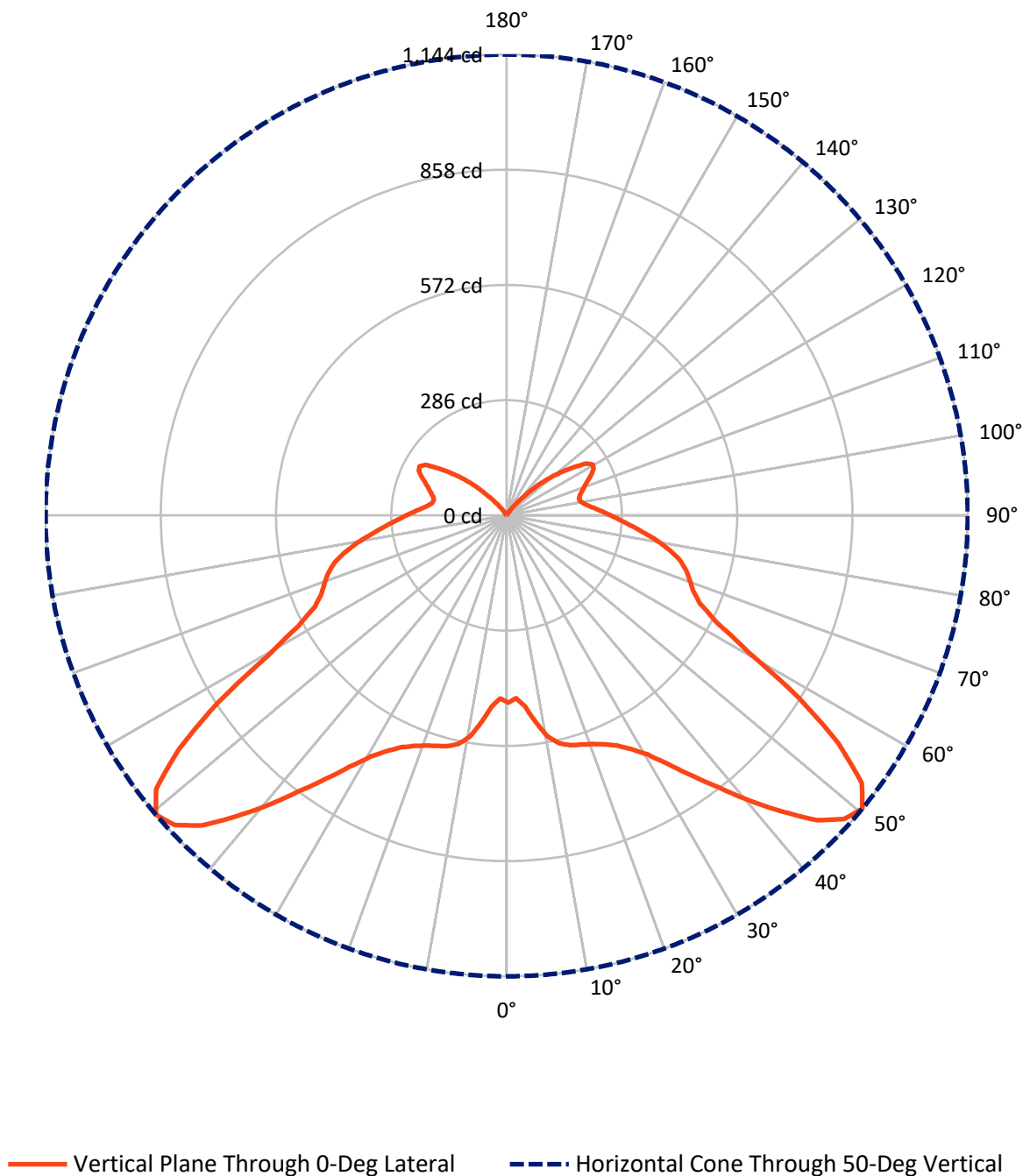


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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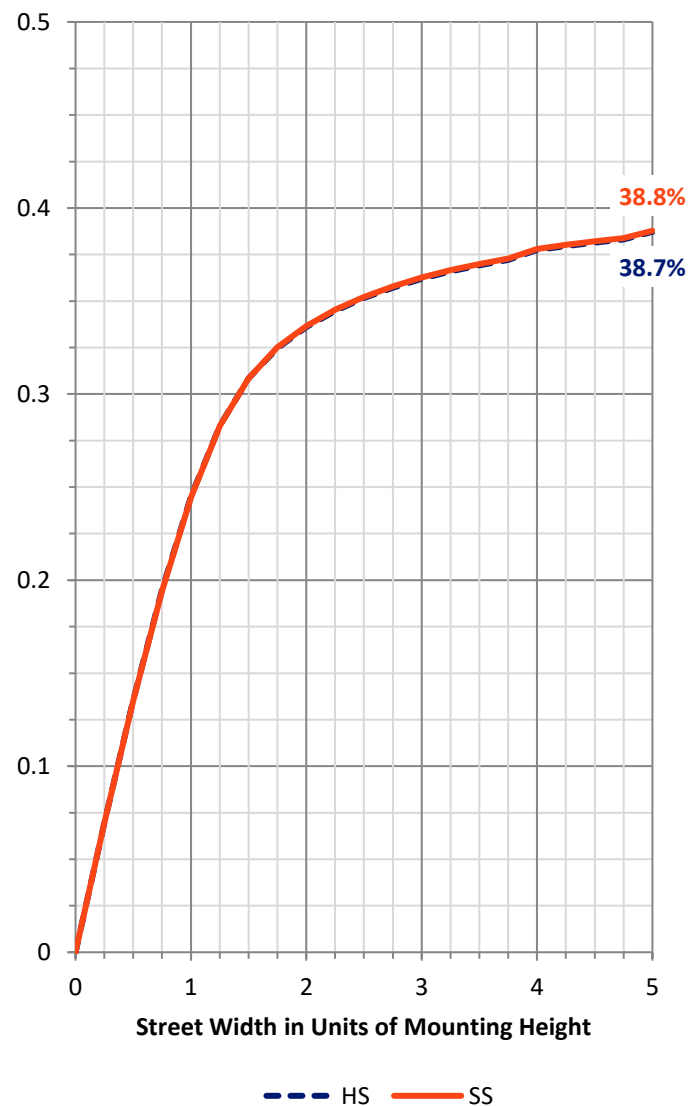
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2024.9	466.0	2491.0
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	2024.9	466.0	2491.0
	% Fixture	40.6	9.4	50.0
Total	Lumens	4049.9	932.1	4982.0
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	1.0
10°-20°	167.2	3.4
20°-30°	296.4	6.0
30°-40°	505.0	10.1
40°-50°	824.7	16.6
50°-60°	864.1	17.3
60°-70°	543.3	10.9
70°-80°	463.2	9.3
80°-90°	337.8	6.8
90°-100°	235.0	4.7
100°-110°	202.6	4.1
110°-120°	228.1	4.6
120°-130°	184.2	3.7
130°-140°	70.8	1.4
140°-150°	11.0	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4049.9	81.3
0°-180°	4982.0	100.0

Coefficient of Utilization



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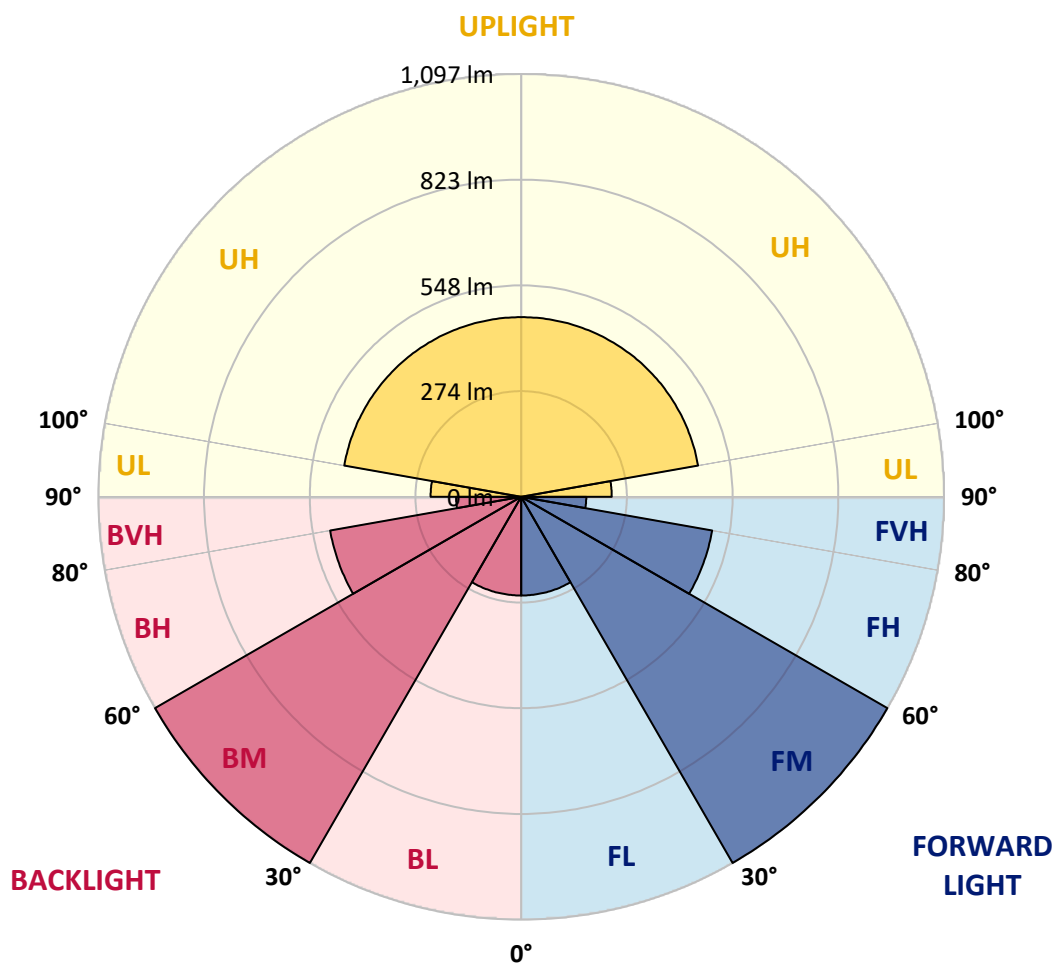
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.0	5.1			
FM	(30°-60°)	1096.9	22.0			
FH	(60°-80°)	503.2	10.1			G0/660
FVH	(80°-90°)	168.9	3.4			G2/225
BL	(0°-30°)	256.0	5.1	B1/500		
BM	(30°-60°)	1096.9	22.0	B2/2500		
BH	(60°-80°)	503.2	10.1	B2/1000		G0/660
BVH	(80°-90°)	168.9	3.4			G2/225
UL	(90°-100°)	235.0	4.7		U3/500	
UH	(100°-180°)	466.0	9.4		U3/500	

BUG Rating: B2-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	464.3
2.5°	454.1
5°	475.7
7.5°	517.7
10°	557.1
12.5°	580.0
15°	591.5
17.5°	597.8
20°	605.5
22.5°	616.9
25°	632.2
27.5°	656.3
30°	688.1
32.5°	735.2
35°	793.7
37.5°	857.3
40°	932.4
42.5°	1004.9
45°	1078.6
47.5°	1125.7
50°	1143.5
52.5°	1102.8
55°	998.5
57.5°	853.5
60°	688.1
62.5°	583.8
65°	526.6
67.5°	498.6
70°	482.1
72.5°	465.5
75°	443.9
77.5°	413.4
80°	377.8
82.5°	339.6
85°	306.5
87.5°	277.3
90°	253.1
92.5°	231.5
95°	212.4
97.5°	197.2
100°	187.0
102.5°	184.4
105°	188.3
107.5°	197.2
110°	206.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	217.5
115°	231.5
117.5°	244.2
120°	248.0
122.5°	236.6
125°	206.1
127.5°	176.8
130°	147.6
132.5°	118.3
135°	87.8
137.5°	59.8
140°	39.4
142.5°	24.2
145°	14.0
147.5°	7.6
150°	3.8
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)