

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: P212587

Luminaire Tested: **MPB-AF-D-U-SYM-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P212587
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-7030-600
Description: BRECKENRIDGE LED POST-TOP LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SYMMETRIC OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3174 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.62')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 34
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

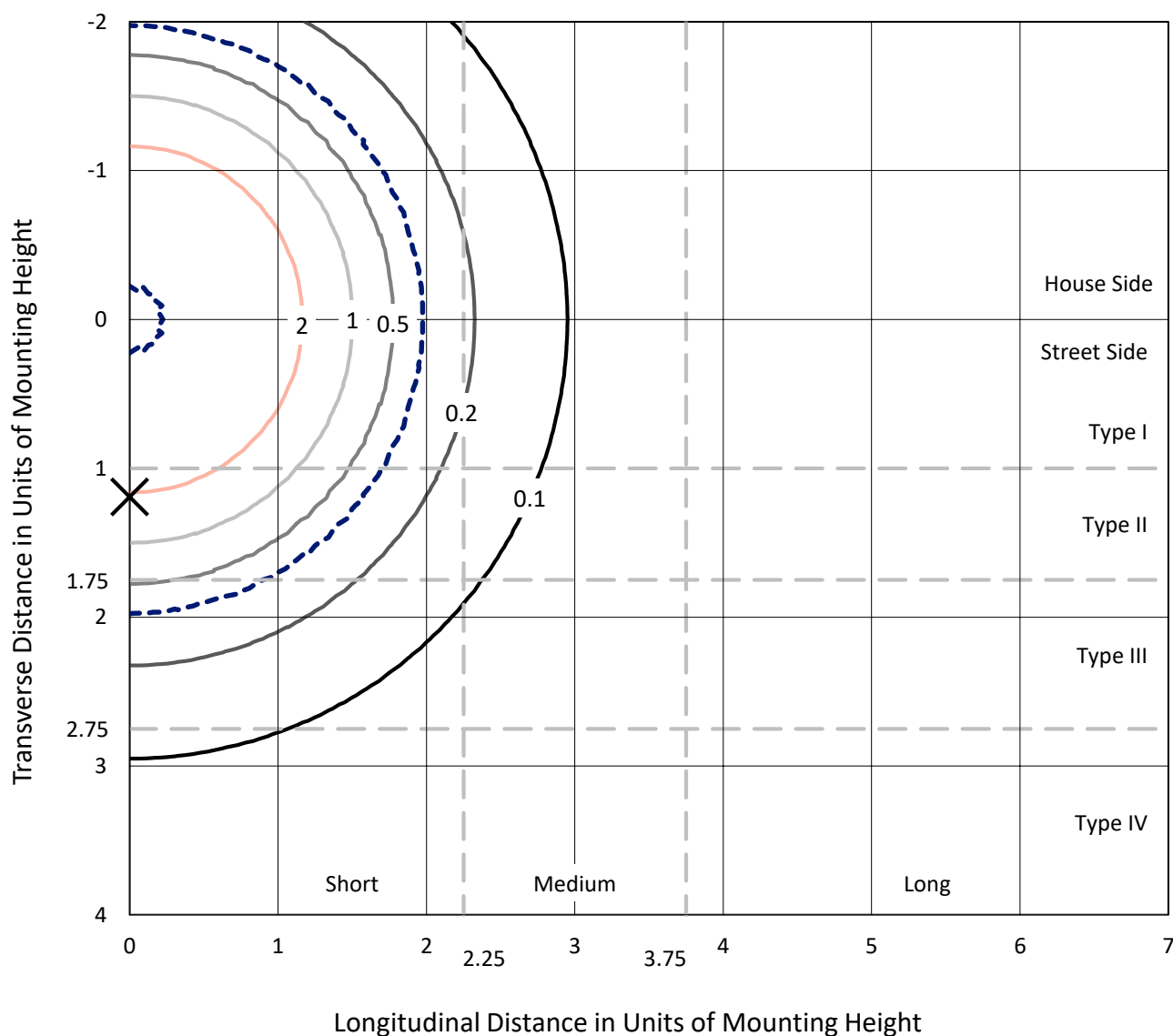


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

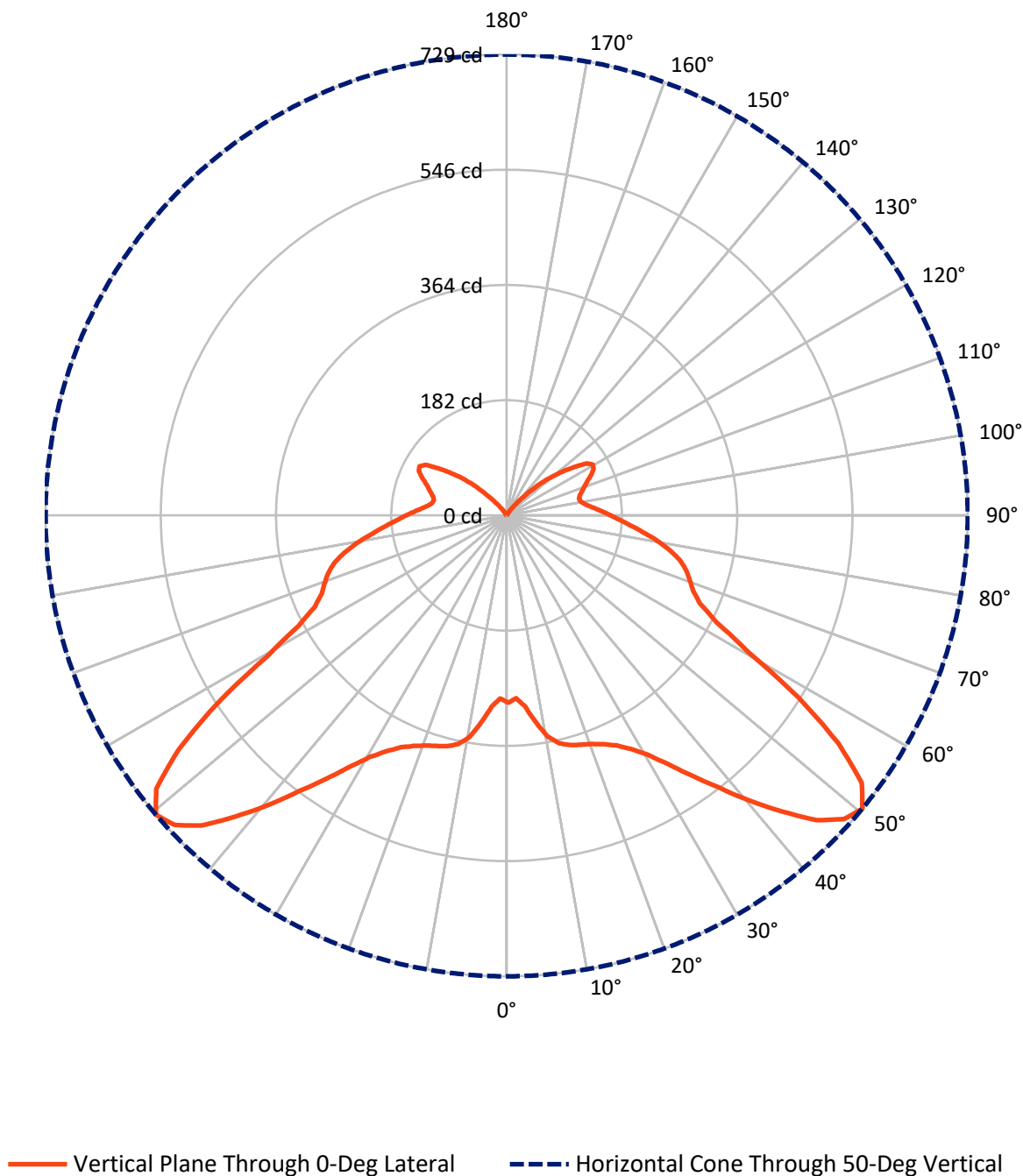


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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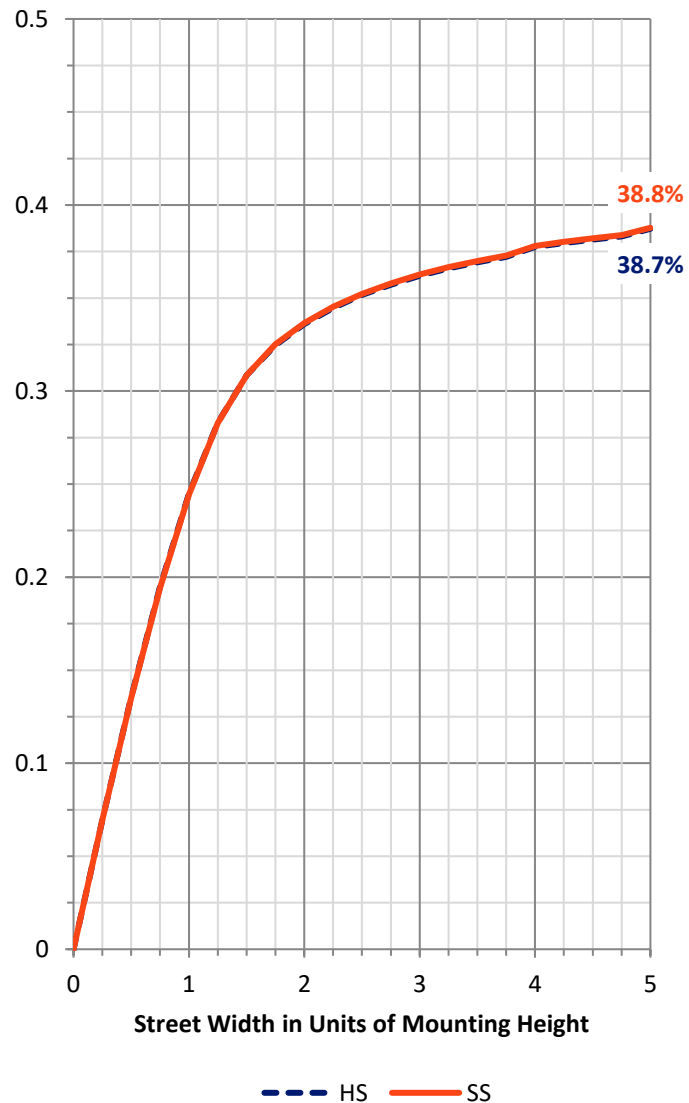
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1290.1	296.9	1587.0
	% Fixture	40.6	9.4	50.0
Street Side	Lumens	1290.1	296.9	1587.0
	% Fixture	40.6	9.4	50.0
Total	Lumens	2580.2	593.9	3174.0
	% Fixture	81.3	18.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	1.0
10°-20°	106.5	3.4
20°-30°	188.8	5.9
30°-40°	321.7	10.1
40°-50°	525.4	16.6
50°-60°	550.5	17.3
60°-70°	346.1	10.9
70°-80°	295.1	9.3
80°-90°	215.2	6.8
90°-100°	149.7	4.7
100°-110°	129.1	4.1
110°-120°	145.3	4.6
120°-130°	117.4	3.7
130°-140°	45.1	1.4
140°-150°	7.0	0.2
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2580.2	81.3
0°-180°	3174.0	100.0

Coefficient of Utilization



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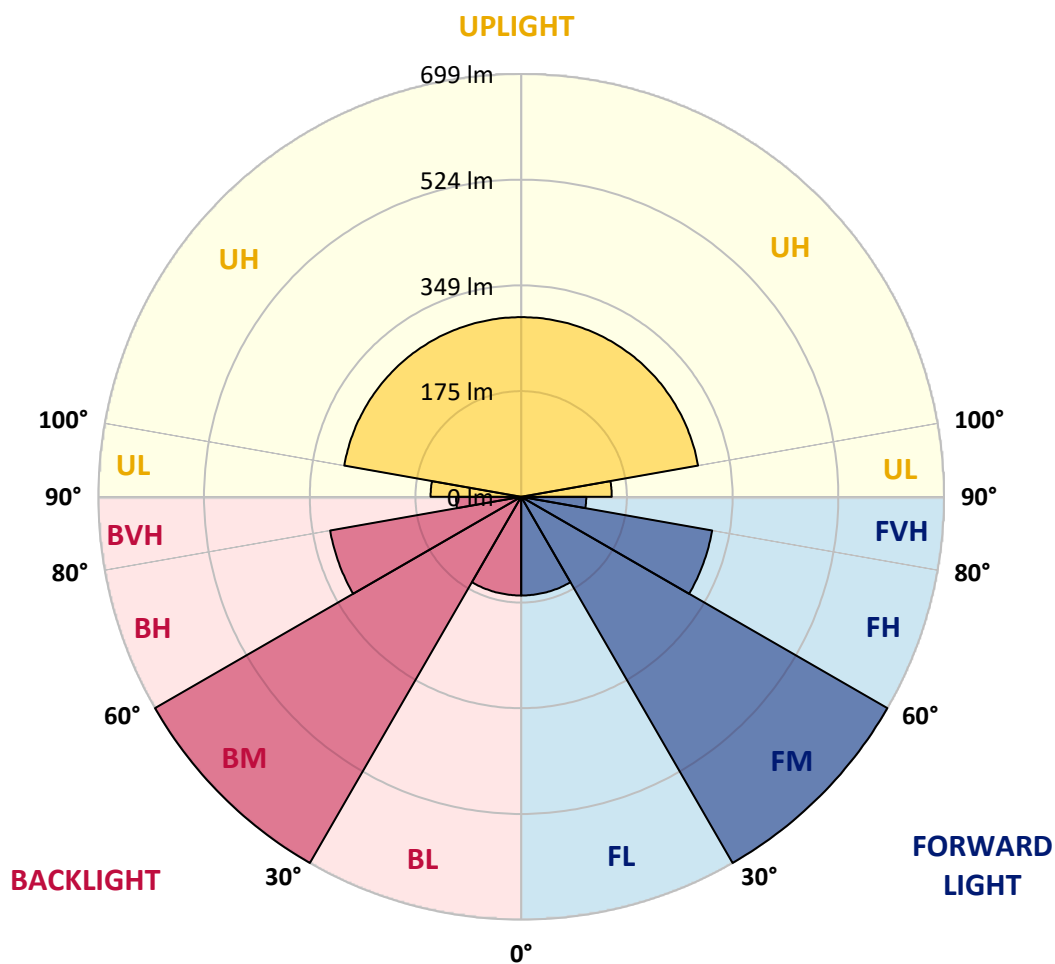
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.1	5.1			
FM	(30°-60°)	698.8	22.0			
FH	(60°-80°)	320.6	10.1			G0/660
FVH	(80°-90°)	107.6	3.4			G2/225
BL	(0°-30°)	163.1	5.1	B1/500		
BM	(30°-60°)	698.8	22.0	B1/1000		
BH	(60°-80°)	320.6	10.1	B1/500		G0/660
BVH	(80°-90°)	107.6	3.4			G2/225
UL	(90°-100°)	149.7	4.7		U3/500	
UH	(100°-180°)	296.9	9.4		U3/500	

BUG Rating: B1-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	295.8
2.5°	289.3
5°	303.1
7.5°	329.9
10°	355.0
12.5°	369.5
15°	376.8
17.5°	380.9
20°	385.7
22.5°	393.0
25°	402.7
27.5°	418.1
30°	438.5
32.5°	468.4
35°	505.7
37.5°	546.2
40°	594.0
42.5°	640.2
45°	687.2
47.5°	717.2
50°	728.5
52.5°	702.5
55°	636.1
57.5°	543.8
60°	438.5
62.5°	371.9
65°	335.5
67.5°	317.6
70°	307.1
72.5°	296.6
75°	282.9
77.5°	263.4
80°	240.7
82.5°	216.3
85°	195.2
87.5°	176.7
90°	161.3
92.5°	147.5
95°	135.4
97.5°	125.6
100°	119.1
102.5°	117.5
105°	120.0
107.5°	125.6
110°	131.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	138.5
115°	147.5
117.5°	155.6
120°	158.0
122.5°	150.8
125°	131.3
127.5°	112.6
130°	94.0
132.5°	75.4
135°	55.9
137.5°	38.1
140°	25.1
142.5°	15.4
145°	9.0
147.5°	4.9
150°	2.4
152.5°	0.8
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)