

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: P14209

Luminaire Tested: **ACN/CLB/ARC-080-LED-E-U-55-3-1-X-BK-5700**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14209
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ACN/CLB/ARC-080-LED-E-U-55-3-1-X-BK-5700
Description: STREETWORKS POST TOP WITH A TYPE V PRISMATIC REFRACTOR WITH ARCHITECTURAL CAGE
Light Source: [6] 5700K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11956.6 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.08' x H: 2.21')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G3

Input Watts (W): 101.3
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



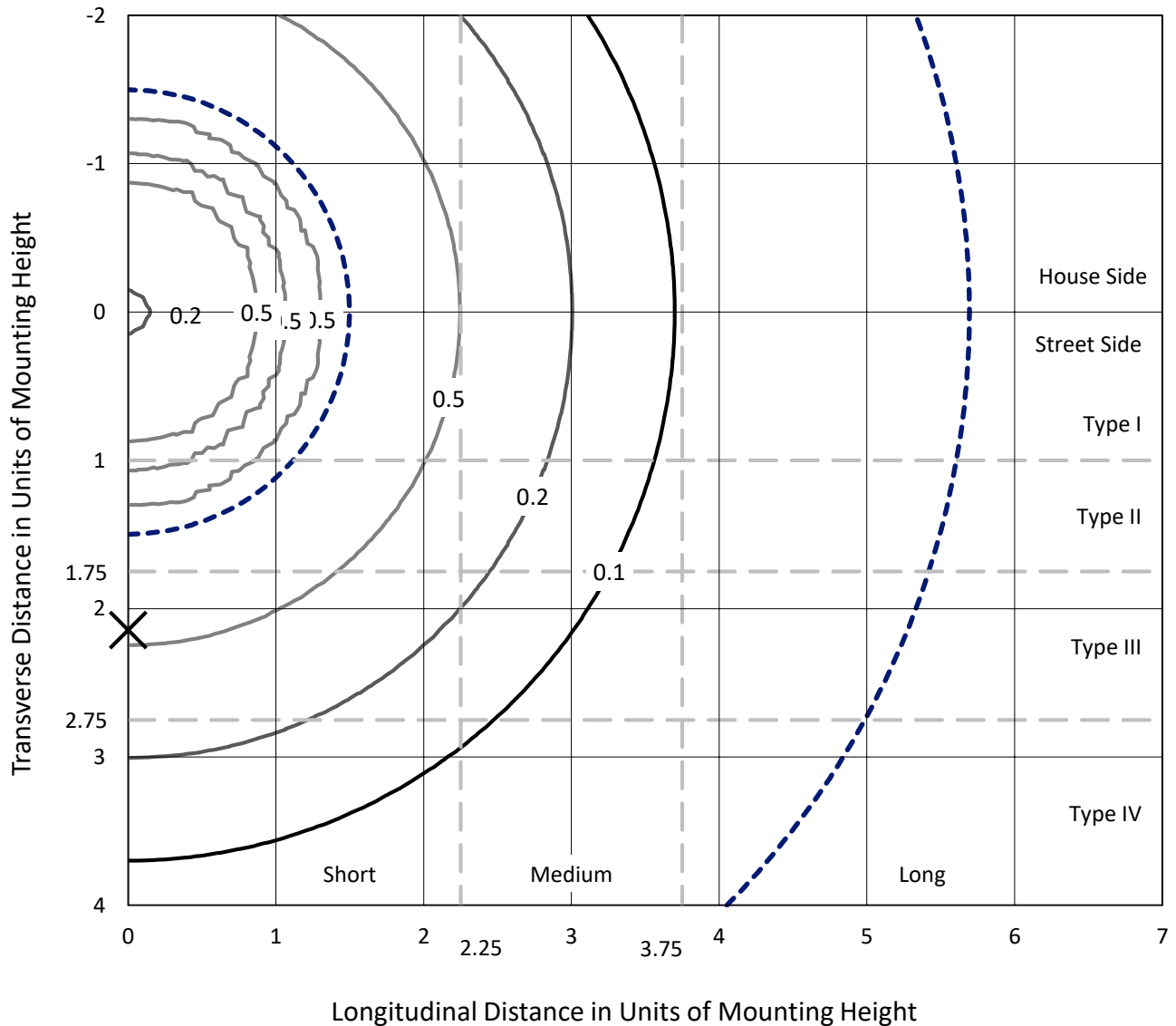


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

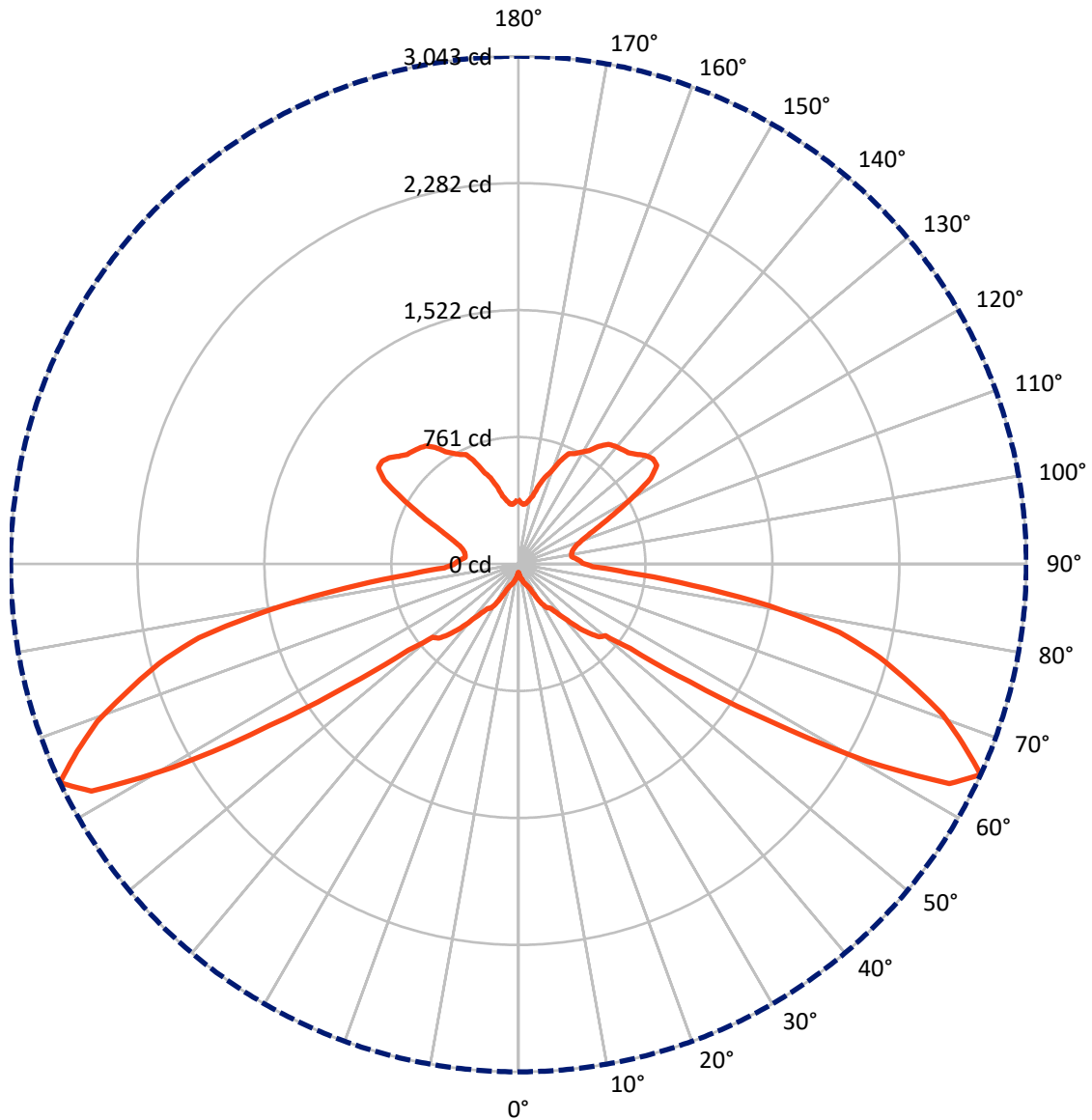


Based on 20 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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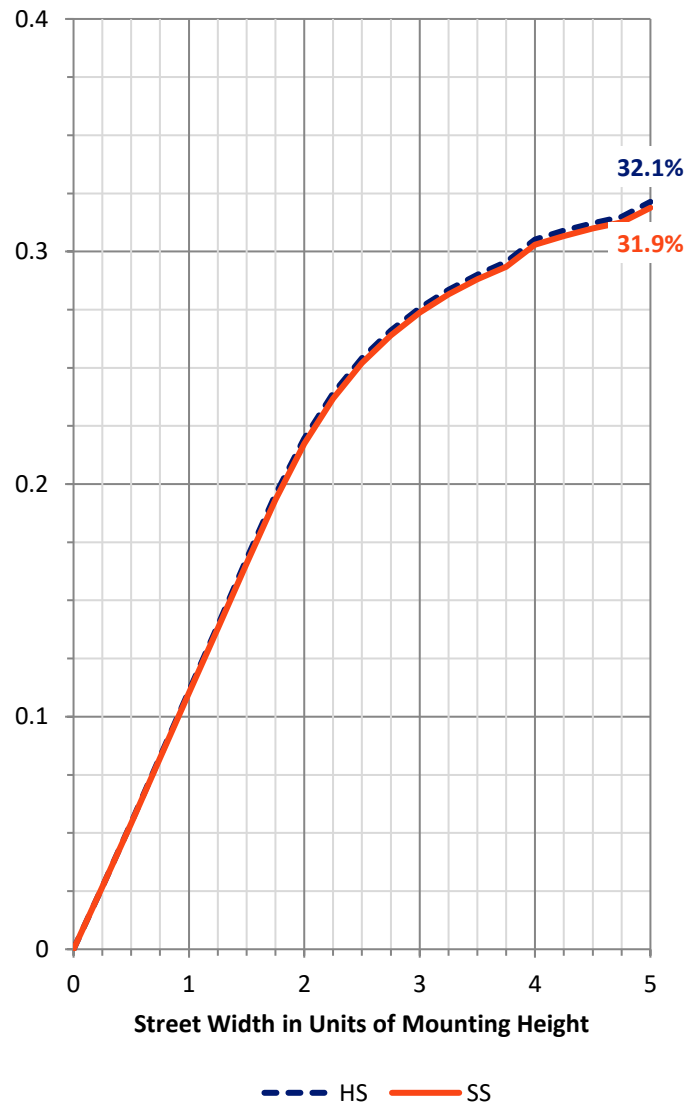
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3999.4	1978.9	5978.3
	% Fixture	33.4	16.6	50.0
Street Side	Lumens	3999.4	1978.9	5978.3
	% Fixture	33.4	16.6	50.0
Total	Lumens	7998.8	3957.7	11956.6
	% Fixture	66.9	33.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	32.0	0.3
20°-30°	86.7	0.7
30°-40°	214.2	1.8
40°-50°	449.5	3.8
50°-60°	1226.4	10.3
60°-70°	2820.3	23.6
70°-80°	2315.6	19.4
80°-90°	846.8	7.1
90°-100°	378.8	3.2
100°-110°	371.3	3.1
110°-120°	564.4	4.7
120°-130°	871.4	7.3
130°-140°	733.4	6.1
140°-150°	535.9	4.5
150°-160°	327.6	2.7
160°-170°	139.9	1.2
170°-180°	35.2	0.3
0°-90°	7998.8	66.9
0°-180°	11956.6	100.0



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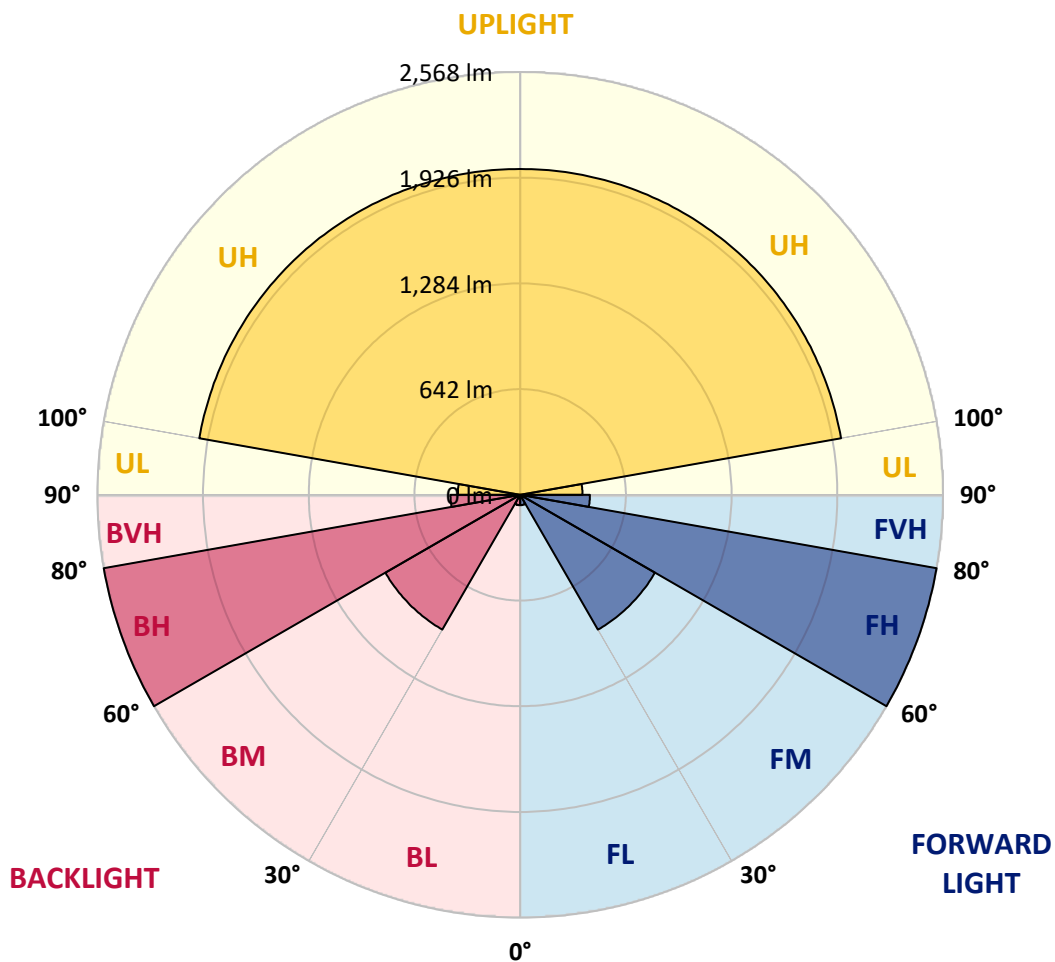
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	63.0	0.5			
FM (30°-60°)	945.1	7.9			
FH (60°-80°)	2568.0	21.5			G2/5000
FVH (80°-90°)	423.4	3.5			G3/500
BL (0°-30°)	63.0	0.5	B0/110		
BM (30°-60°)	945.1	7.9	B1/1000		
BH (60°-80°)	2568.0	21.5	B4/5000		G2/5000
BVH (80°-90°)	423.4	3.5			G3/500
UL (90°-100°)	378.8	3.2		U3/500	
UH (100°-180°)	1978.9	16.6		U5	

BUG Rating: B4-U5-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	49.2
2.5°	57.1
5°	68.2
7.5°	79.3
10°	92.0
12.5°	95.3
15°	112.7
17.5°	122.2
20°	131.7
22.5°	145.9
25°	166.5
27.5°	217.3
30°	274.4
32.5°	310.9
35°	323.7
37.5°	366.5
40°	430.0
42.5°	514.1
45°	588.6
47.5°	652.1
50°	675.8
52.5°	837.7
55°	1245.4
57.5°	1778.6
60°	2400.5
62.5°	2898.7
65°	3043.1
67.5°	2871.8
70°	2694.0
72.5°	2457.6
75°	2237.1
77.5°	1965.7
80°	1527.9
82.5°	1053.5
85°	655.2
87.5°	444.2
90°	387.1
92.5°	368.1
95°	344.3
97.5°	320.4
100°	323.7
102.5°	330.0
105°	342.7
107.5°	366.5
110°	407.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	463.3
115°	549.0
117.5°	666.4
120°	804.3
122.5°	947.2
125°	1018.6
127.5°	1023.3
130°	1001.2
132.5°	964.7
135°	936.1
137.5°	925.0
140°	913.9
142.5°	898.0
145°	856.8
147.5°	802.8
150°	769.5
152.5°	742.5
155°	726.6
157.5°	663.2
160°	587.0
162.5°	542.7
165°	482.3
167.5°	417.2
170°	387.1
172.5°	363.4
175°	358.6
177.5°	369.7
180°	388.8

(END OF REPORT)