

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: P14210

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14210
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-X-1-X-BK-5700
Description: STREETWORKS POST TOP WITH A TYPE V PRISMATIC REFRACTOR
Light Source: [6] 5700K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16769.3 lumens
Efficiency: N/A
Efficacy: 165.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.21')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (A_{in}): 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



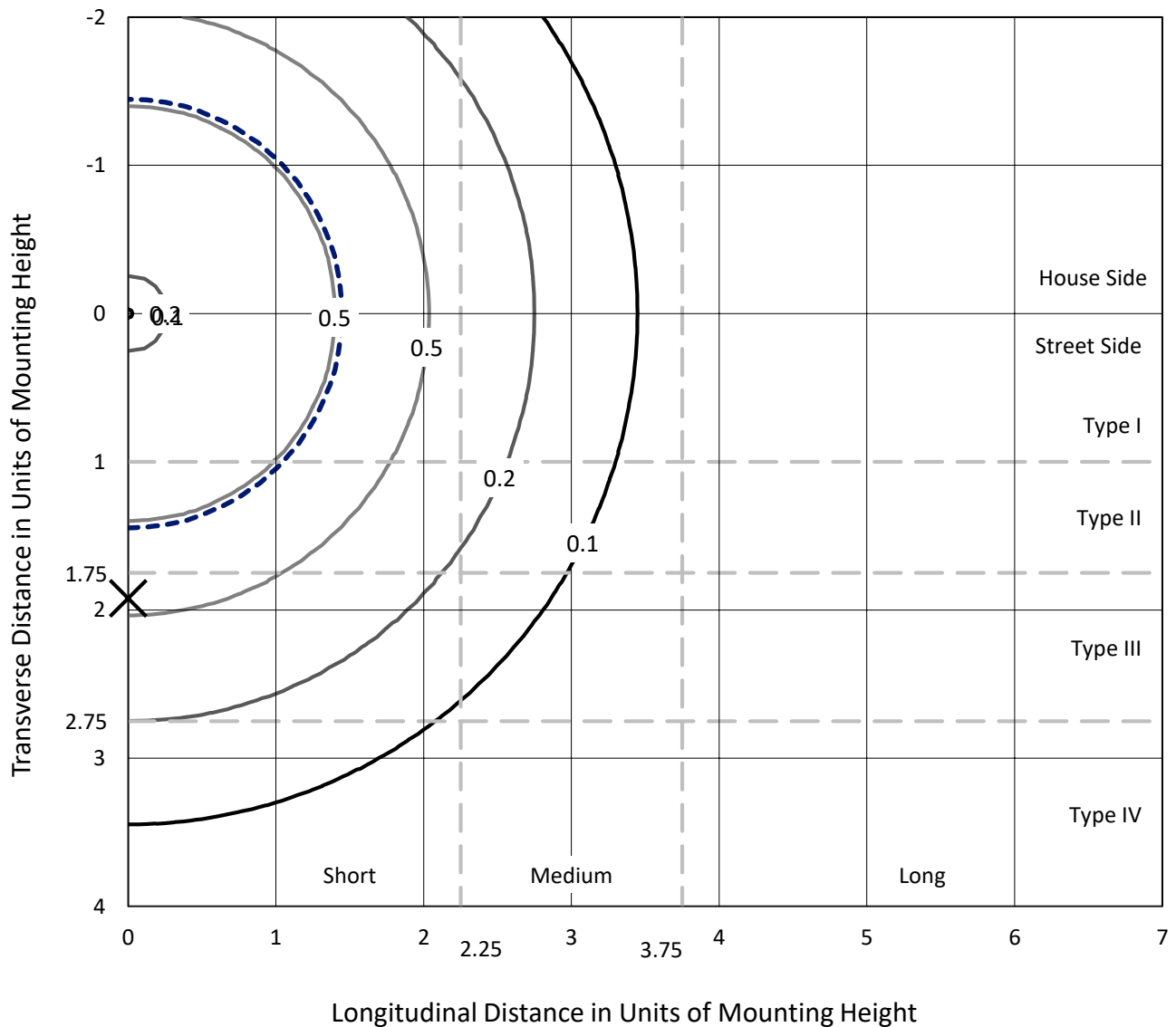


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

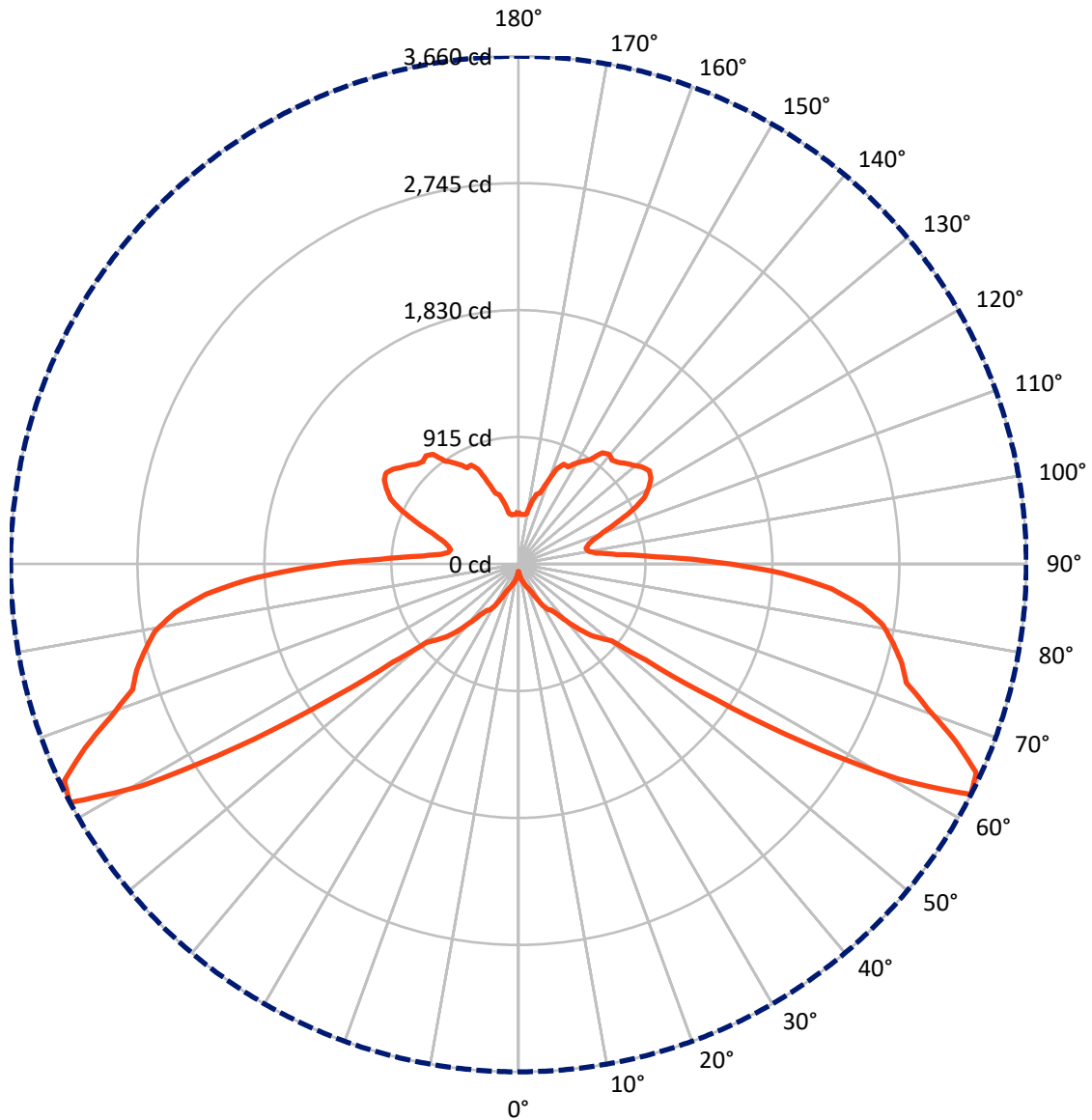


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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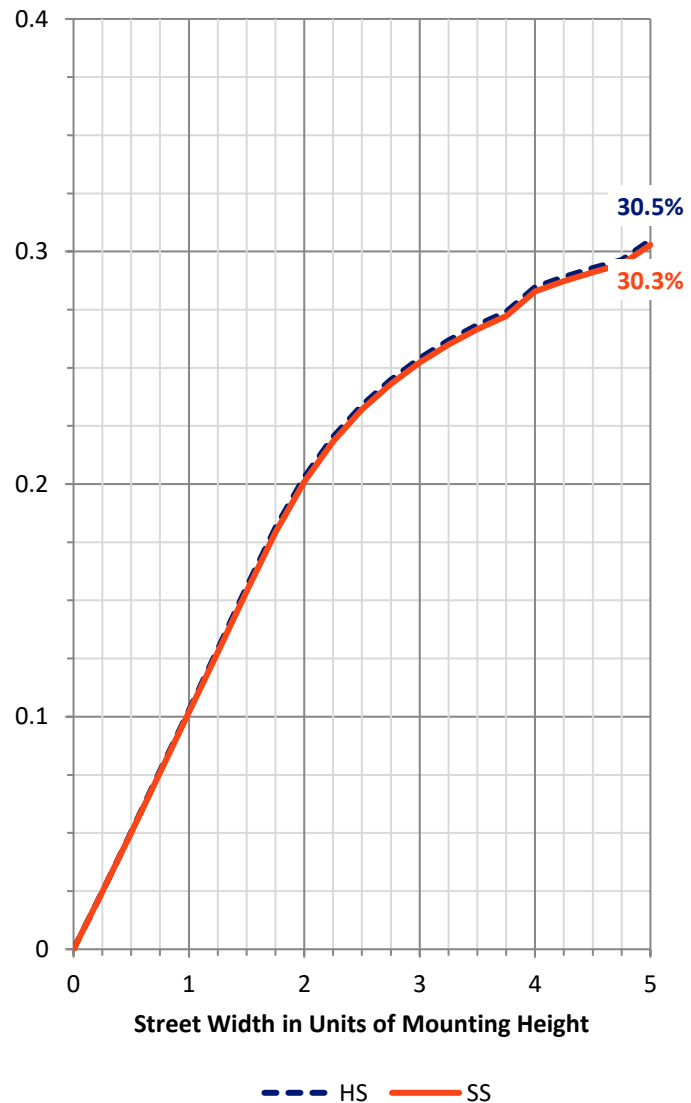
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5738.8	2645.9	8384.6
	% Fixture	34.2	15.8	50.0
Street Side	Lumens	5738.8	2645.9	8384.6
	% Fixture	34.2	15.8	50.0
Total	Lumens	11477.6	5291.7	16769.3
	% Fixture	68.4	31.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.1
10°-20°	41.4	0.2
20°-30°	114.8	0.7
30°-40°	270.4	1.6
40°-50°	561.1	3.3
50°-60°	1657.9	9.9
60°-70°	3427.3	20.4
70°-80°	3022.9	18.0
80°-90°	2373.2	14.2
90°-100°	886.1	5.3
100°-110°	573.6	3.4
110°-120°	890.4	5.3
120°-130°	1014.7	6.1
130°-140°	806.2	4.8
140°-150°	586.4	3.5
150°-160°	354.6	2.1
160°-170°	145.2	0.9
170°-180°	34.5	0.2
0°-90°	11477.6	68.4
0°-180°	16769.3	100.0



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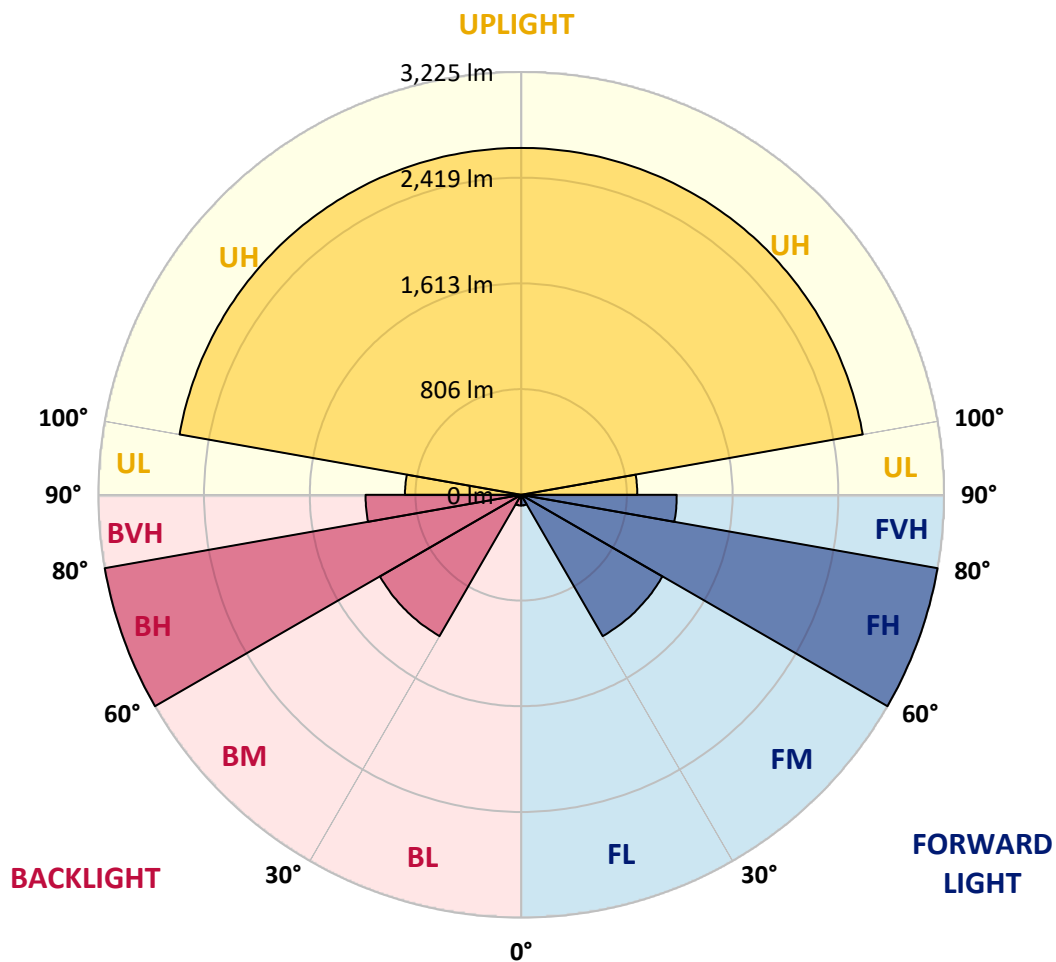
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.3	0.5			
FM (30°-60°)	1244.7	7.4			
FH (60°-80°)	3225.1	19.2			G2/5000
FVH (80°-90°)	1186.6	7.1			G5
BL (0°-30°)	82.3	0.5	B0/110		
BM (30°-60°)	1244.7	7.4	B2/2500		
BH (60°-80°)	3225.1	19.2	B4/5000		G2/5000
BVH (80°-90°)	1186.6	7.1			G5
UL (90°-100°)	886.1	5.3		U4/1000	
UH (100°-180°)	2645.9	15.8		U5	

BUG Rating: B4-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	53.9
2.5°	65.1
5°	77.7
7.5°	95.3
10°	111.1
12.5°	128.5
15°	141.1
17.5°	157.1
20°	177.8
22.5°	198.4
25°	226.9
27.5°	284.0
30°	347.5
32.5°	390.3
35°	406.2
37.5°	463.3
40°	549.0
42.5°	641.0
45°	733.1
47.5°	798.0
50°	867.9
52.5°	1150.3
55°	1715.1
57.5°	2427.4
60°	3147.7
62.5°	3660.2
65°	3625.3
67.5°	3392.1
70°	3130.3
72.5°	2922.4
75°	2854.2
77.5°	2762.2
80°	2663.8
82.5°	2495.6
85°	2262.5
87.5°	1899.1
90°	1434.3
92.5°	994.7
95°	712.4
97.5°	564.8
100°	510.8
102.5°	499.7
105°	522.0
107.5°	567.9
110°	652.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	775.8
115°	920.2
117.5°	1032.9
120°	1090.0
122.5°	1139.2
125°	1158.2
127.5°	1134.4
130°	1094.7
132.5°	1063.0
135°	1026.6
137.5°	1009.0
140°	1026.6
142.5°	1002.7
145°	912.2
147.5°	872.7
150°	831.4
152.5°	785.4
155°	790.2
157.5°	740.9
160°	626.7
162.5°	536.2
165°	517.3
167.5°	452.2
170°	369.7
172.5°	358.6
175°	358.6
177.5°	356.9
180°	380.8

(END OF REPORT)