

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**

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
Description: STREETWORKS POST TOP WITH A TYPE V PRISMATIC REFRACTOR
Light Source: [6] 4000K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17321.3 lumens
Efficiency: N/A
Efficacy: 171.0 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

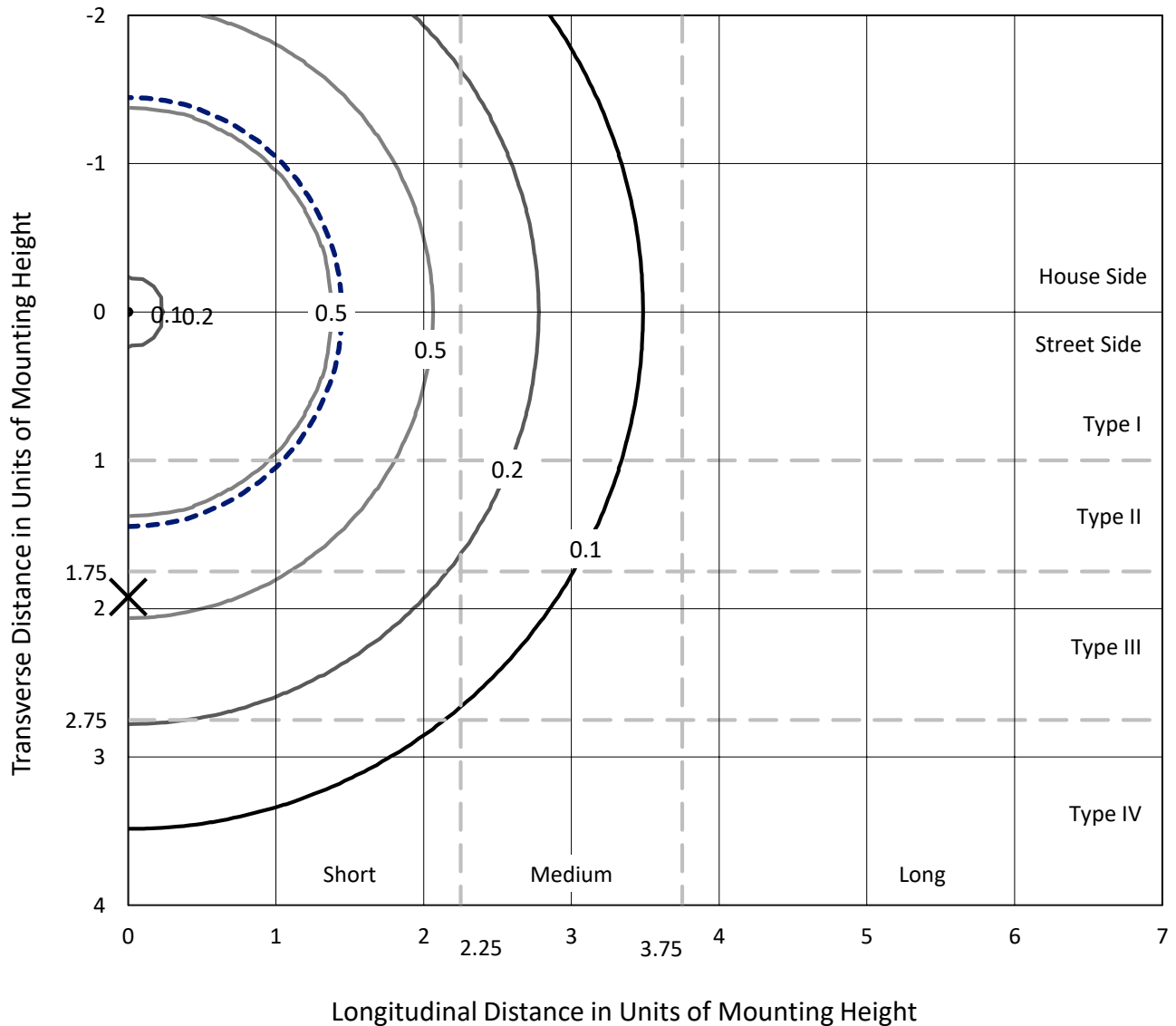
Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

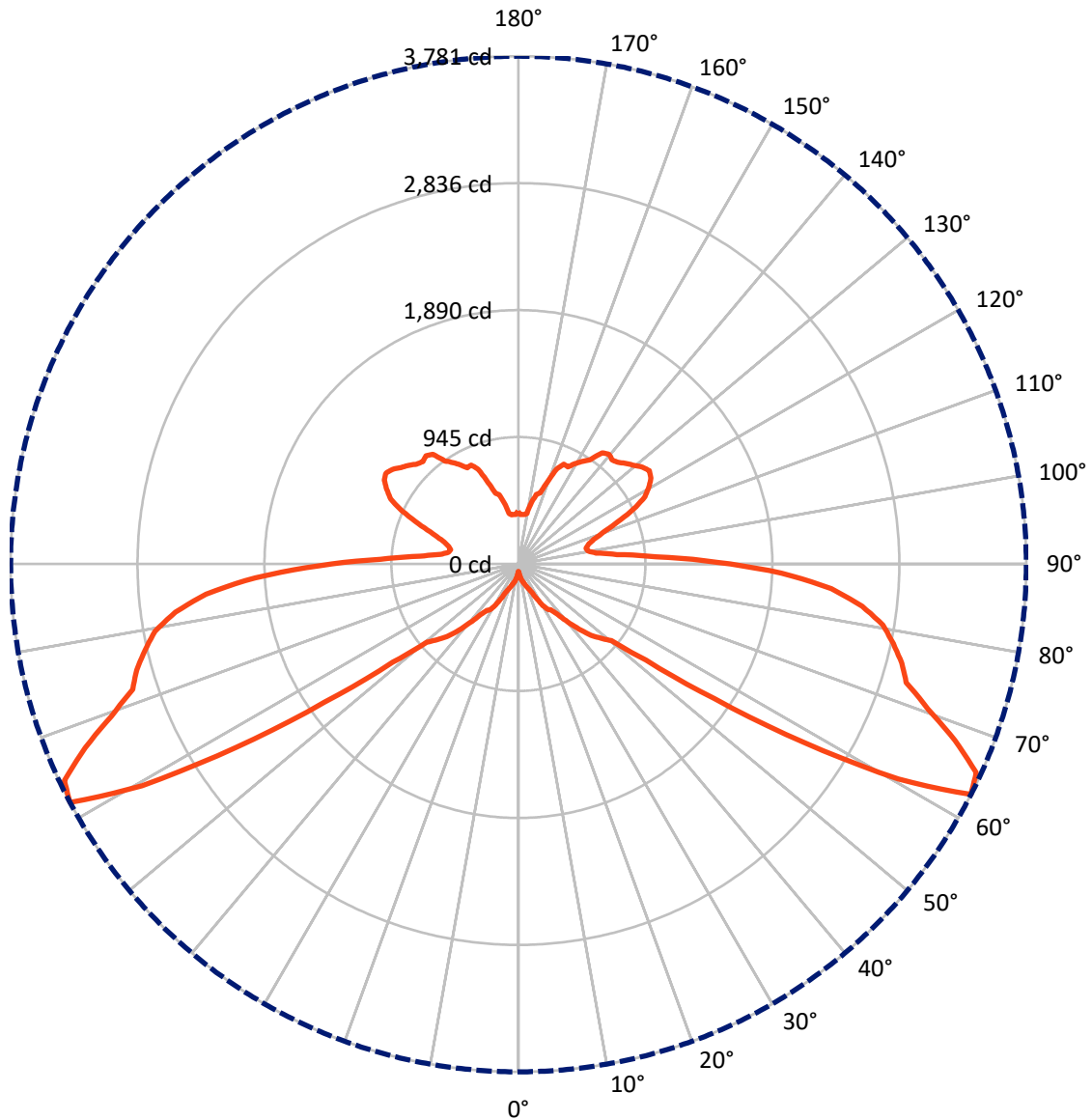


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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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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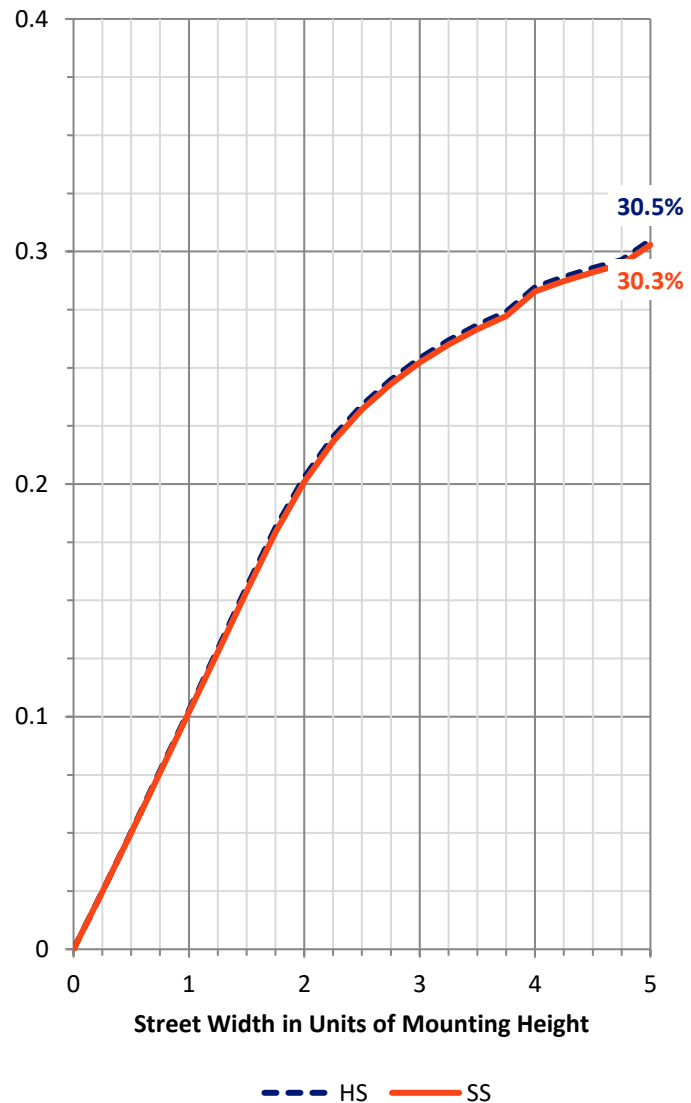
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5927.7	2733.0	8660.6
	% Fixture	34.2	15.8	50.0
Street Side	Lumens	5927.7	2733.0	8660.6
	% Fixture	34.2	15.8	50.0
Total	Lumens	11855.4	5465.9	17321.3
	% Fixture	68.4	31.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	42.7	0.2
20°-30°	118.5	0.7
30°-40°	279.3	1.6
40°-50°	579.5	3.3
50°-60°	1712.4	9.9
60°-70°	3540.2	20.4
70°-80°	3122.5	18.0
80°-90°	2451.4	14.2
90°-100°	915.3	5.3
100°-110°	592.6	3.4
110°-120°	919.7	5.3
120°-130°	1048.1	6.1
130°-140°	832.7	4.8
140°-150°	605.7	3.5
150°-160°	366.2	2.1
160°-170°	150.0	0.9
170°-180°	35.6	0.2
0°-90°	11855.4	68.4
0°-180°	17321.3	100.0



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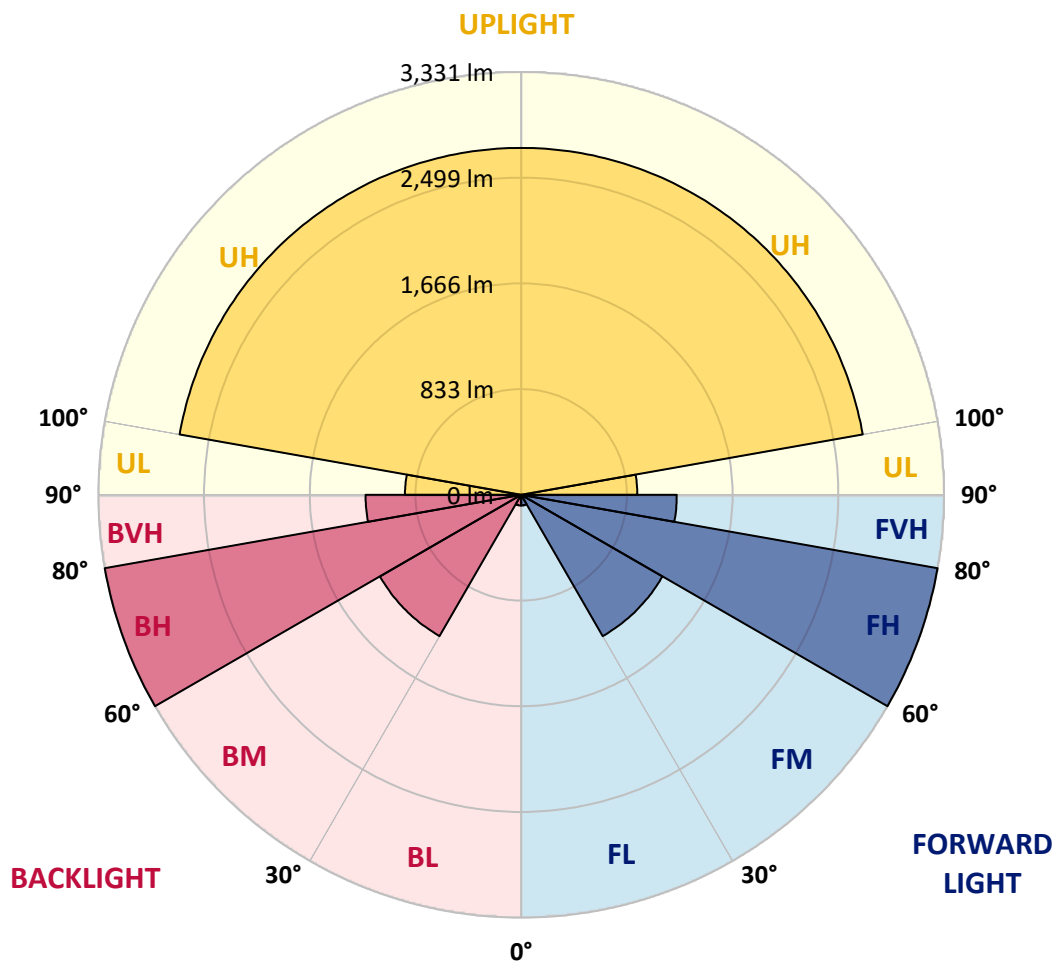
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.0	0.5			
FM (30°-60°)	1285.6	7.4			
FH (60°-80°)	3331.4	19.2			G2/5000
FVH (80°-90°)	1225.7	7.1			G5
BL (0°-30°)	85.0	0.5	B0/110		
BM (30°-60°)	1285.6	7.4	B2/2500		
BH (60°-80°)	3331.4	19.2	B4/5000		G2/5000
BVH (80°-90°)	1225.7	7.1			G5
UL (90°-100°)	915.3	5.3		U4/1000	
UH (100°-180°)	2733.0	15.8		U5	

BUG Rating: B4-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	55.7
2.5°	67.2
5°	80.3
7.5°	98.3
10°	114.7
12.5°	132.7
15°	145.9
17.5°	162.2
20°	183.5
22.5°	204.8
25°	234.3
27.5°	293.3
30°	358.9
32.5°	403.1
35°	419.5
37.5°	478.5
40°	567.0
42.5°	662.1
45°	757.1
47.5°	824.3
50°	896.4
52.5°	1188.1
55°	1771.5
57.5°	2507.4
60°	3251.4
62.5°	3780.7
65°	3744.7
67.5°	3503.8
70°	3233.4
72.5°	3018.7
75°	2948.2
77.5°	2853.2
80°	2751.5
82.5°	2577.8
85°	2336.9
87.5°	1961.6
90°	1481.5
92.5°	1027.5
95°	735.8
97.5°	583.4
100°	527.7
102.5°	516.2
105°	539.2
107.5°	586.7
110°	673.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	801.4
115°	950.5
117.5°	1066.9
120°	1125.9
122.5°	1176.7
125°	1196.3
127.5°	1171.7
130°	1130.8
132.5°	1098.0
135°	1060.3
137.5°	1042.3
140°	1060.3
142.5°	1035.7
145°	942.3
147.5°	901.3
150°	858.7
152.5°	811.2
155°	816.1
157.5°	765.3
160°	647.3
162.5°	553.9
165°	534.2
167.5°	467.1
170°	381.8
172.5°	370.4
175°	370.4
177.5°	368.7
180°	393.3

(END OF REPORT)