

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: P14212

Luminaire Tested: **ACN/CLB/ARC-080-LED-E-U-55-X-6-X-BK**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P14212  
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-6-X-BK  
Description: STREETWORKS POST TOP WITH A TYPE V SOLID TOP REFRACTOR  
Light Source: [6] 4000K LEDS  
Ballast/Driver: [2] ELECTRONIC DRIVERS

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15345.6 lumens  
Efficiency: N/A  
Efficacy: 151.5 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<sub>in</sub>): 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

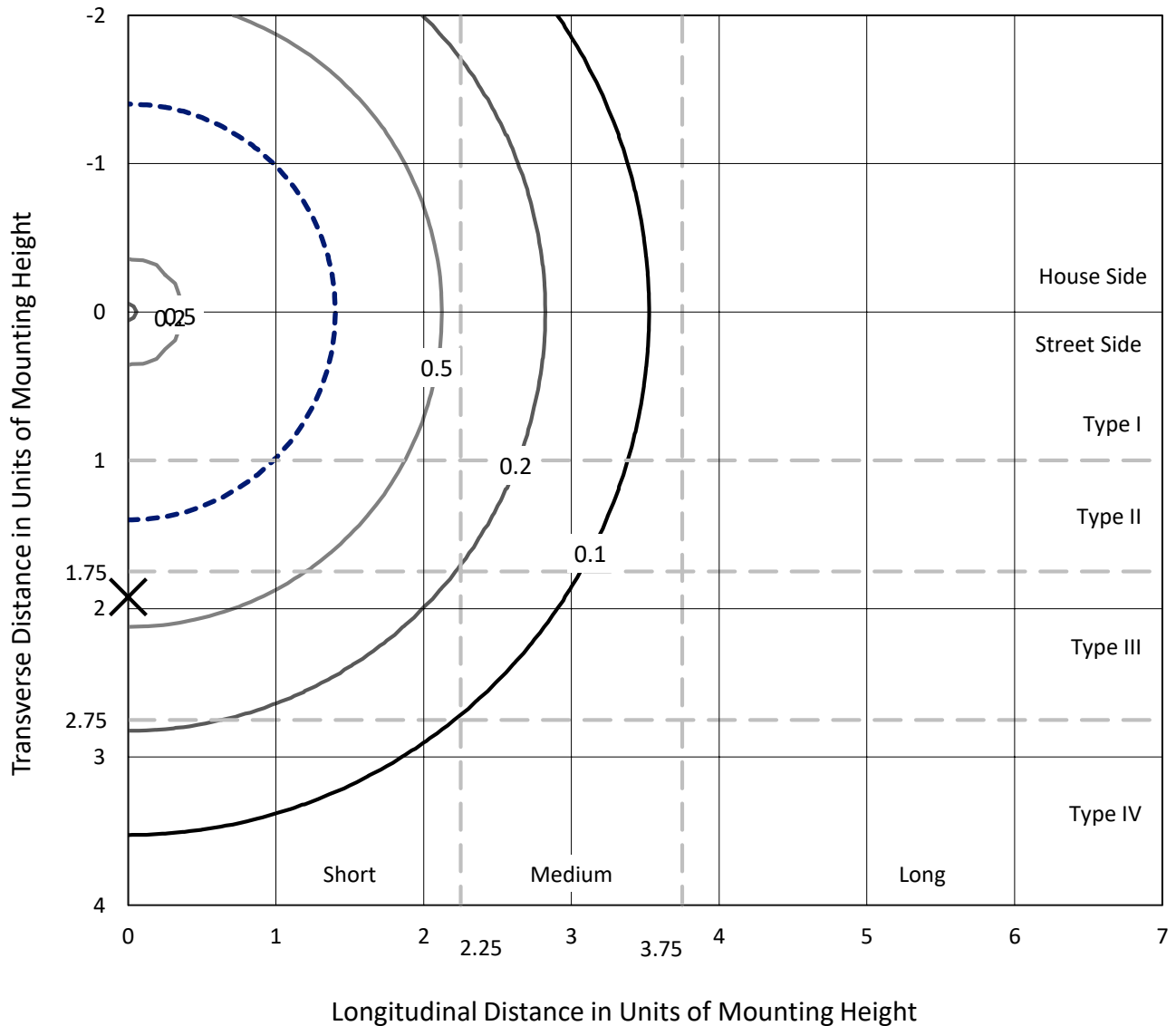


REPORT NUMBER: P14212

CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-55-X-6-X-BK

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

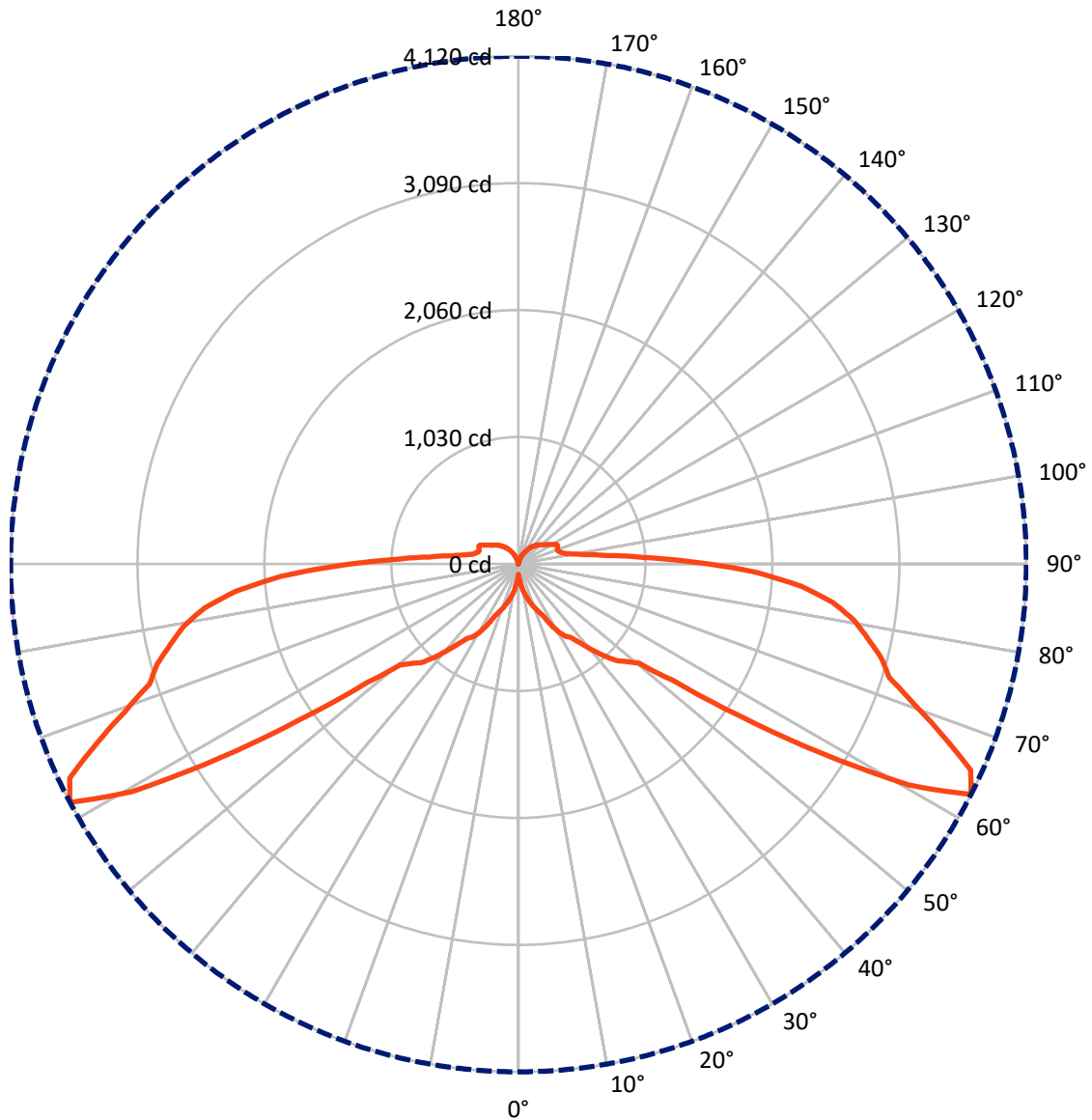


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P14212

CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-55-X-6-X-BK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P14212

CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-55-X-6-X-BK

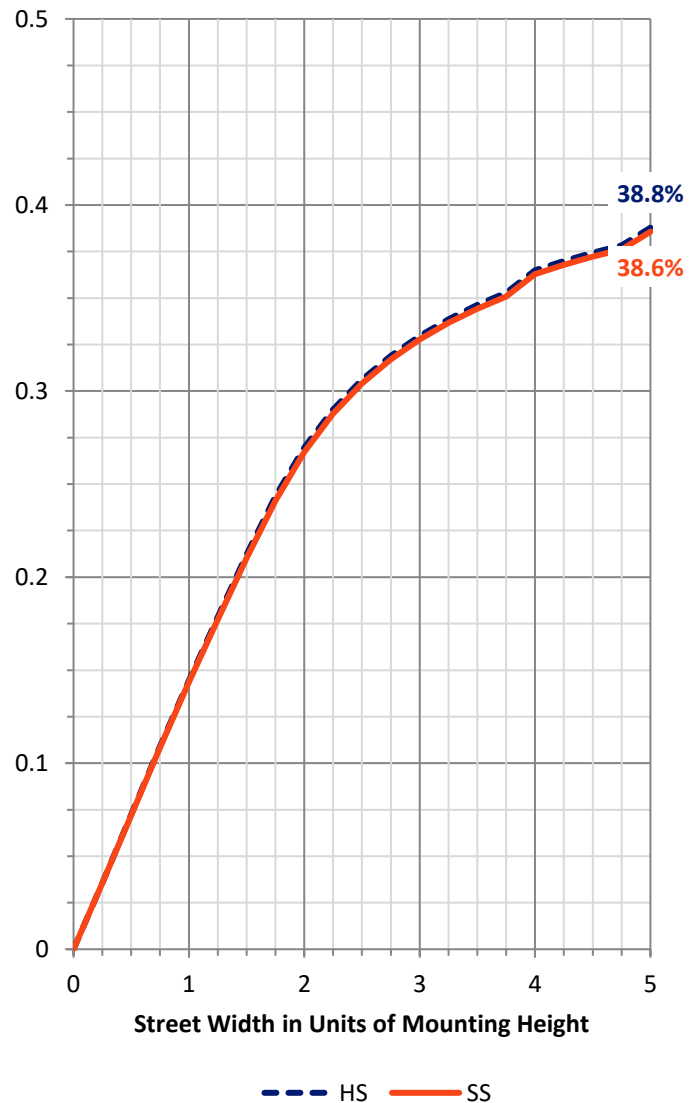
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6587.7	1085.1	7672.8
	% Fixture	42.9	7.1	50.0
<b>Street Side</b>	Lumens	6587.7	1085.1	7672.8
	% Fixture	42.9	7.1	50.0
<b>Total</b>	Lumens	13175.4	2170.2	15345.6
	% Fixture	85.9	14.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	0.1
10°-20°	88.0	0.6
20°-30°	228.5	1.5
30°-40°	476.2	3.1
40°-50°	856.2	5.6
50°-60°	2055.7	13.4
60°-70°	3814.6	24.9
70°-80°	3214.2	20.9
80°-90°	2425.8	15.8
90°-100°	882.9	5.8
100°-110°	388.3	2.5
110°-120°	338.1	2.2
120°-130°	244.9	1.6
130°-140°	166.2	1.1
140°-150°	97.6	0.6
150°-160°	41.7	0.3
160°-170°	10.1	0.1
170°-180°	0.5	0.0
0°-90°	13175.4	85.9
0°-180°	15345.6	100.0



REPORT NUMBER: P14212

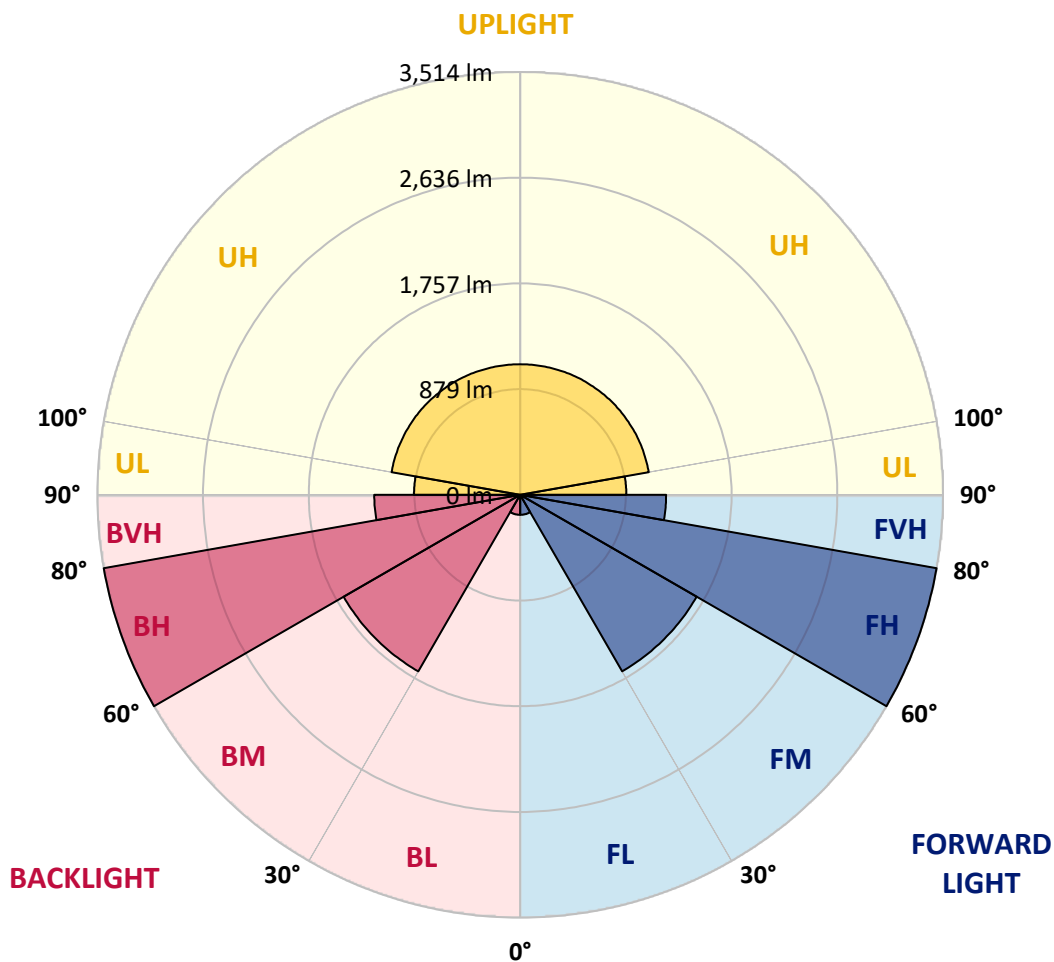
CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-55-X-6-X-BK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.3	1.1			
FM (30°-60°)	1694.0	11.0			
FH (60°-80°)	3514.4	22.9			G2/5000
FVH (80°-90°)	1212.9	7.9			G5
BL (0°-30°)	166.3	1.1	B1/500		
BM (30°-60°)	1694.0	11.0	B2/2500		
BH (60°-80°)	3514.4	22.9	B4/5000		G2/5000
BVH (80°-90°)	1212.9	7.9			G5
UL (90°-100°)	882.9	5.8		U4/1000	
UH (100°-180°)	1085.1	7.1		U5	

**BUG Rating: B4-U5-G5**

Type V Short





REPORT NUMBER: P14212

CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-55-X-6-X-BK

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	85.2
2.5°	109.8
5°	142.6
7.5°	181.9
10°	226.2
12.5°	263.8
15°	303.2
17.5°	339.2
20°	381.8
22.5°	417.9
25°	465.4
27.5°	552.3
30°	635.9
32.5°	698.1
35°	730.9
37.5°	809.6
40°	911.2
42.5°	1016.1
45°	1119.3
47.5°	1181.6
50°	1261.9
52.5°	1565.1
55°	2166.5
57.5°	2889.2
60°	3638.1
62.5°	4119.9
65°	4031.4
67.5°	3711.9
70°	3402.1
72.5°	3144.9
75°	3040.0
77.5°	2895.8
80°	2759.7
82.5°	2571.3
85°	2299.2
87.5°	1927.2
90°	1443.8
92.5°	1017.7
95°	724.3
97.5°	547.4
100°	442.5
102.5°	381.8
105°	355.6
107.5°	339.2
110°	337.6



REPORT NUMBER: P14212

CATALOG NUMBER: ACN/CLB/ARC-080-LED-E-U-55-X-6-X-BK

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	344.1
115°	352.3
117.5°	340.9
120°	311.4
122.5°	290.1
125°	268.8
127.5°	254.0
130°	240.9
132.5°	227.8
135°	216.3
137.5°	198.3
140°	185.2
142.5°	168.8
145°	157.3
147.5°	137.7
150°	119.6
152.5°	103.2
155°	85.2
157.5°	75.4
160°	60.6
162.5°	42.6
165°	32.8
167.5°	21.3
170°	11.5
172.5°	1.6
175°	4.9
177.5°	4.9
180°	3.3

(END OF REPORT)