

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: P588422

Luminaire Tested: **ARC-CA6-130-722-U-55-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC-CA6-130-722-U-55-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

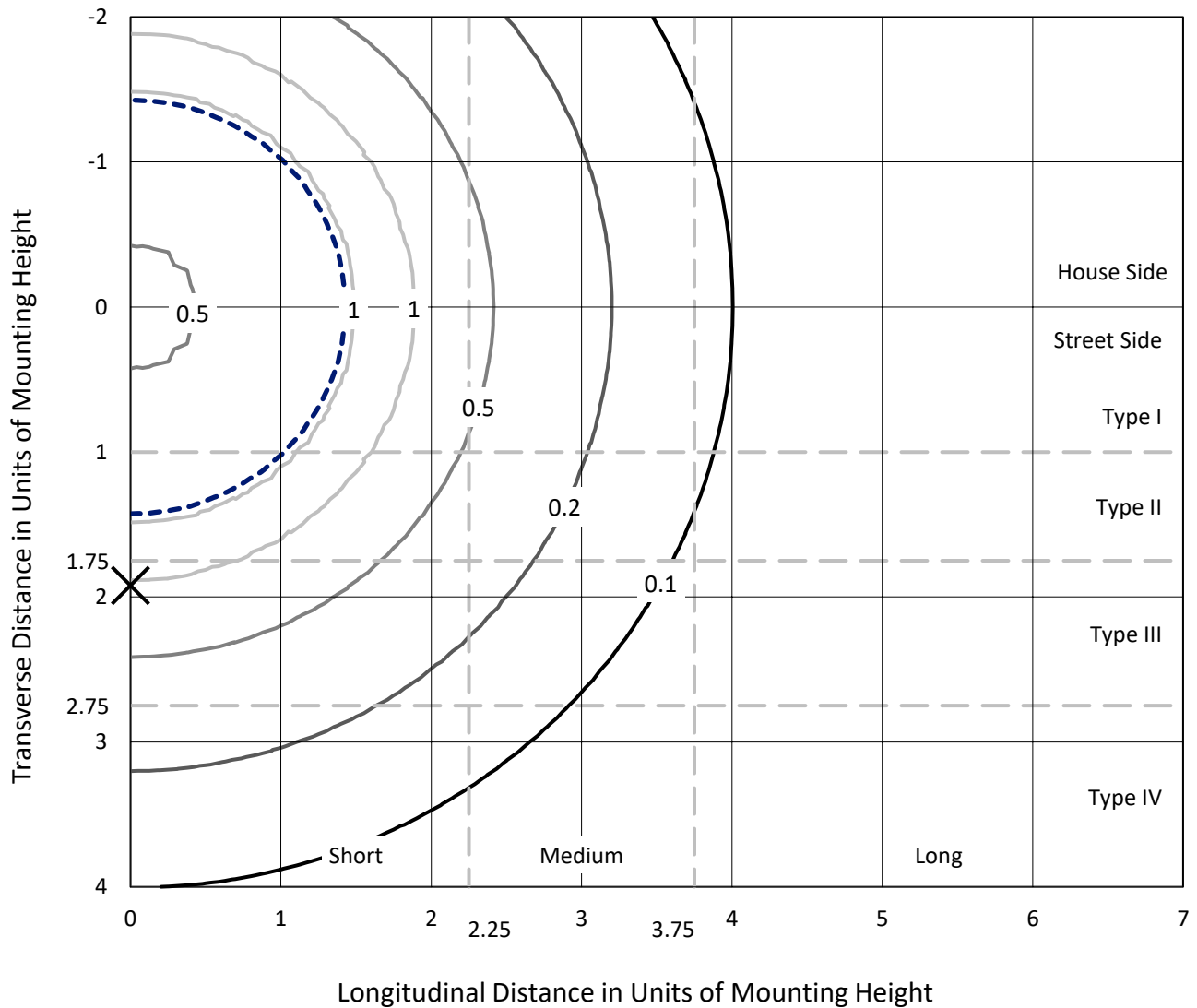
Lumens per Lamp: N/A  
Luminaire Lumens: 13839 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U4 - G5  
  
Input Watts (W): 124.3  
Input Voltage (V): 120  
Input 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: 25 FT



REPORT NUMBER: P588422  
 CATALOG NUMBER: ARC-CA6-130-722-U-55-X-5-X

### Iso-Footcandle Lines of Horizontal Illumination

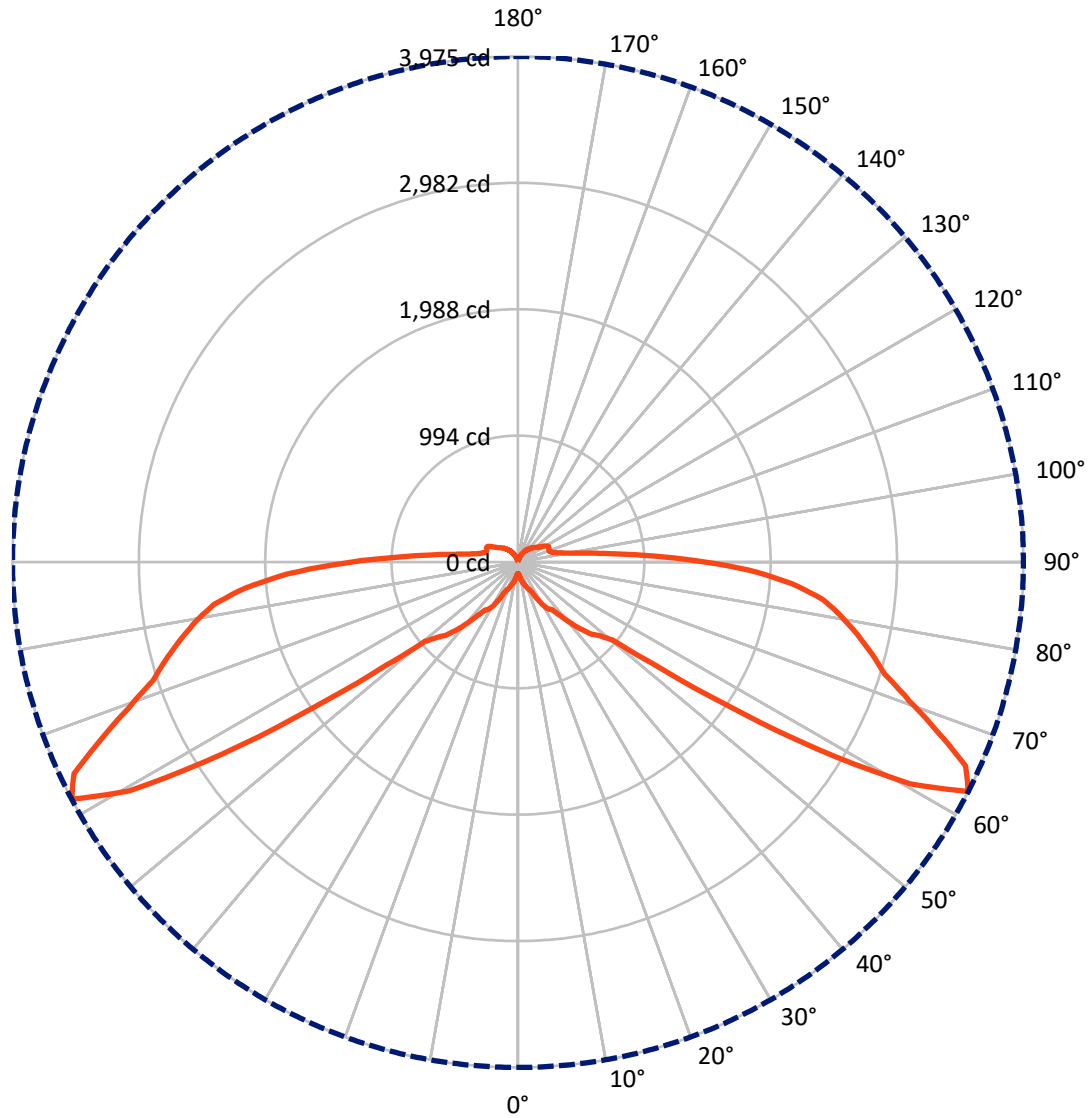
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588422  
CATALOG NUMBER: ARC-CA6-130-722-U-55-X-5-X

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P588422  
 CATALOG NUMBER: ARC-CA6-130-722-U-55-X-5-X

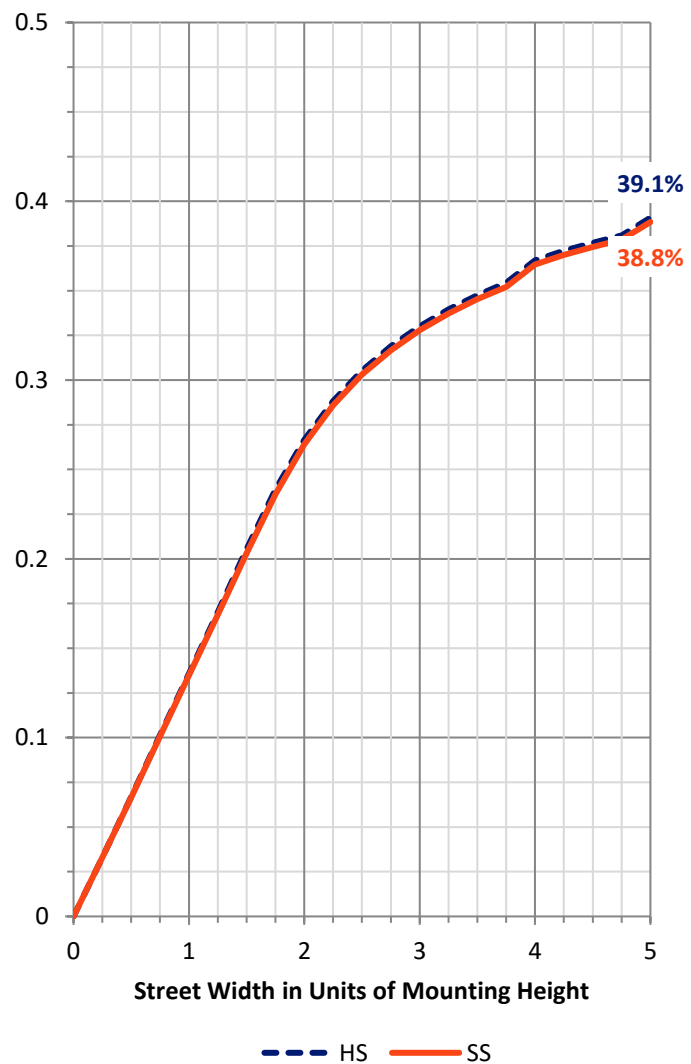
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6007.2	912.4	6919.5
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	6007.2	912.4	6919.5
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	12014.3	1824.7	13839.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.4	0.1
10°-20°	52.5	0.4
20°-30°	136.3	1.0
30°-40°	306.7	2.2
40°-50°	619.5	4.5
50°-60°	1886.7	13.6
60°-70°	3670.8	26.5
70°-80°	3048.3	22.0
80°-90°	2282.2	16.5
90°-100°	835.8	6.0
100°-110°	314.6	2.3
110°-120°	262.3	1.9
120°-130°	184.7	1.3
130°-140°	119.8	0.9
140°-150°	69.3	0.5
150°-160°	29.9	0.2
160°-170°	7.6	0.1
170°-180°	0.6	0.0
0°-90°	12014.3	86.8
0°-180°	13839.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P588422

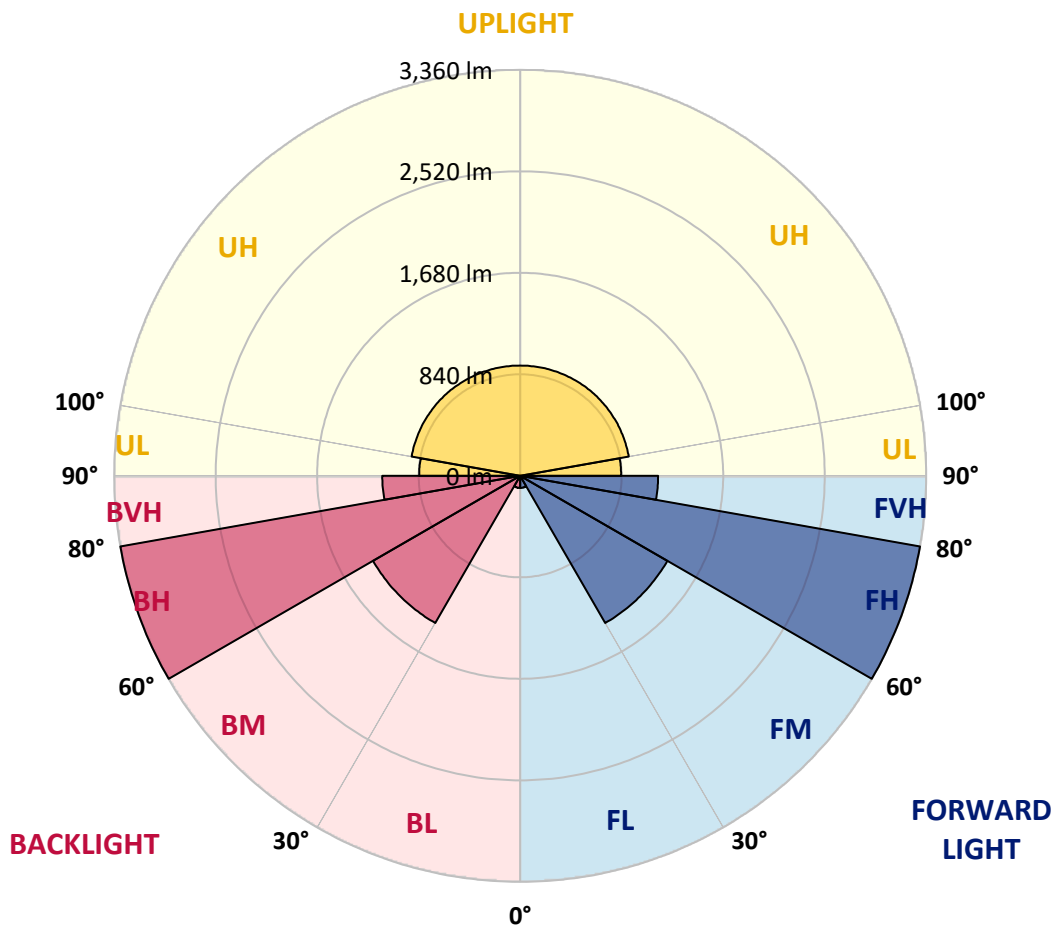
CATALOG NUMBER: ARC-CA6-130-722-U-55-X-5-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.1	0.7			
FM (30°-60°)	1406.5	10.2			
FH (60°-80°)	3359.5	24.3			G2/5000
FVH (80°-90°)	1141.1	8.2			G5
BL (0°-30°)	100.1	0.7	B0/110		
BM (30°-60°)	1406.5	10.2	B2/2500		
BH (60°-80°)	3359.5	24.3	B4/5000		G2/5000
BVH (80°-90°)	1141.1	8.2			G5
UL (90°-100°)	835.8	6.0		U4/1000	
UH (100°-180°)	912.4	6.6		U4/1000	

**BUG Rating: B4-U4-G5**

Type V Short





REPORT NUMBER: P588422  
CATALOG NUMBER: ARC-CA6-130-722-U-55-X-5-X

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	92.2
2.5°	94.1
5°	105.1
7.5°	125.4
10°	143.9
12.5°	162.3
15°	180.8
17.5°	199.2
20°	221.4
22.5°	238.0
25°	273.0
27.5°	335.7
30°	398.5
32.5°	440.9
35°	459.3
37.5°	527.6
40°	619.8
42.5°	715.7
45°	808.0
47.5°	867.0
50°	962.9
52.5°	1320.8
55°	1959.1
57.5°	2774.5
60°	3545.5
62.5°	3975.4
65°	3868.4
67.5°	3556.6
70°	3263.3
72.5°	3016.1
75°	2872.2
77.5°	2726.5
80°	2577.1
82.5°	2416.6
85°	2158.3
87.5°	1815.2
90°	1387.2
92.5°	988.8
95°	688.1
97.5°	498.1
100°	381.9
102.5°	317.3
105°	284.1
107.5°	265.6
110°	260.1

REPORT NUMBER: P588422  
CATALOG NUMBER: ARC-CA6-130-722-U-55-X-5-X

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	263.8
115°	271.2
117.5°	267.5
120°	249.0
122.5°	221.4
125°	201.1
127.5°	186.3
130°	175.2
132.5°	164.2
135°	155.0
137.5°	143.9
140°	131.0
142.5°	119.9
145°	110.7
147.5°	99.6
150°	84.9
152.5°	73.8
155°	62.7
157.5°	53.5
160°	42.4
162.5°	33.2
165°	24.0
167.5°	16.6
170°	11.1
172.5°	5.5
175°	3.7
177.5°	5.5
180°	5.5

(END OF REPORT)