

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: P588398

Luminaire Tested: **ARC-CA6-120-722-U-55-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588398  
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-CA6-120-722-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**

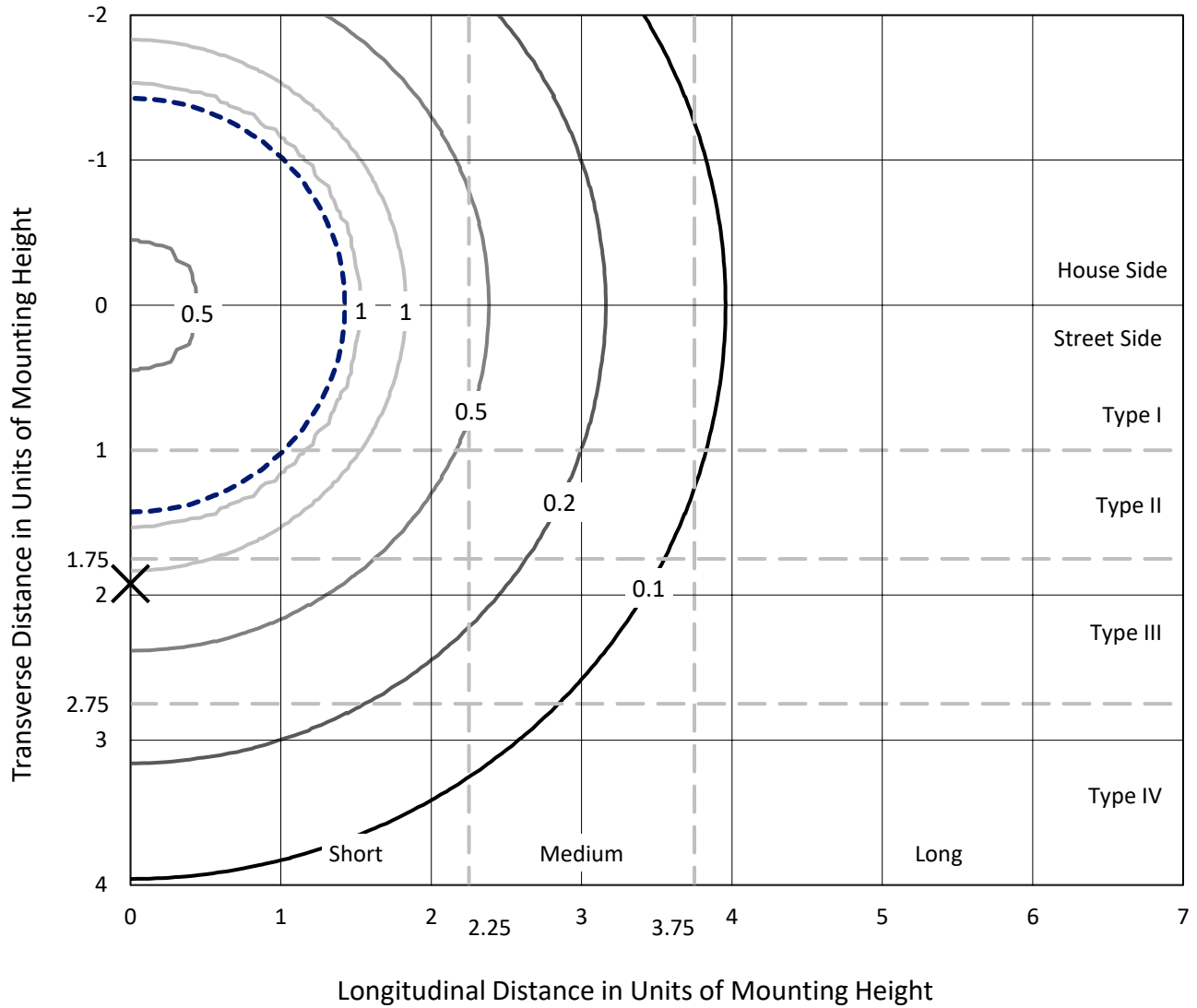
Lumens per Lamp: N/A  
Luminaire Lumens: 13312 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U4 - G5  
  
Input Watts (W): 119.3  
Input Voltage (V): 120  
Input 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: P588398  
 CATALOG NUMBER: ARC-CA6-120-722-U-55-X-5-X

### Iso-Footcandle Lines of Horizontal Illumination

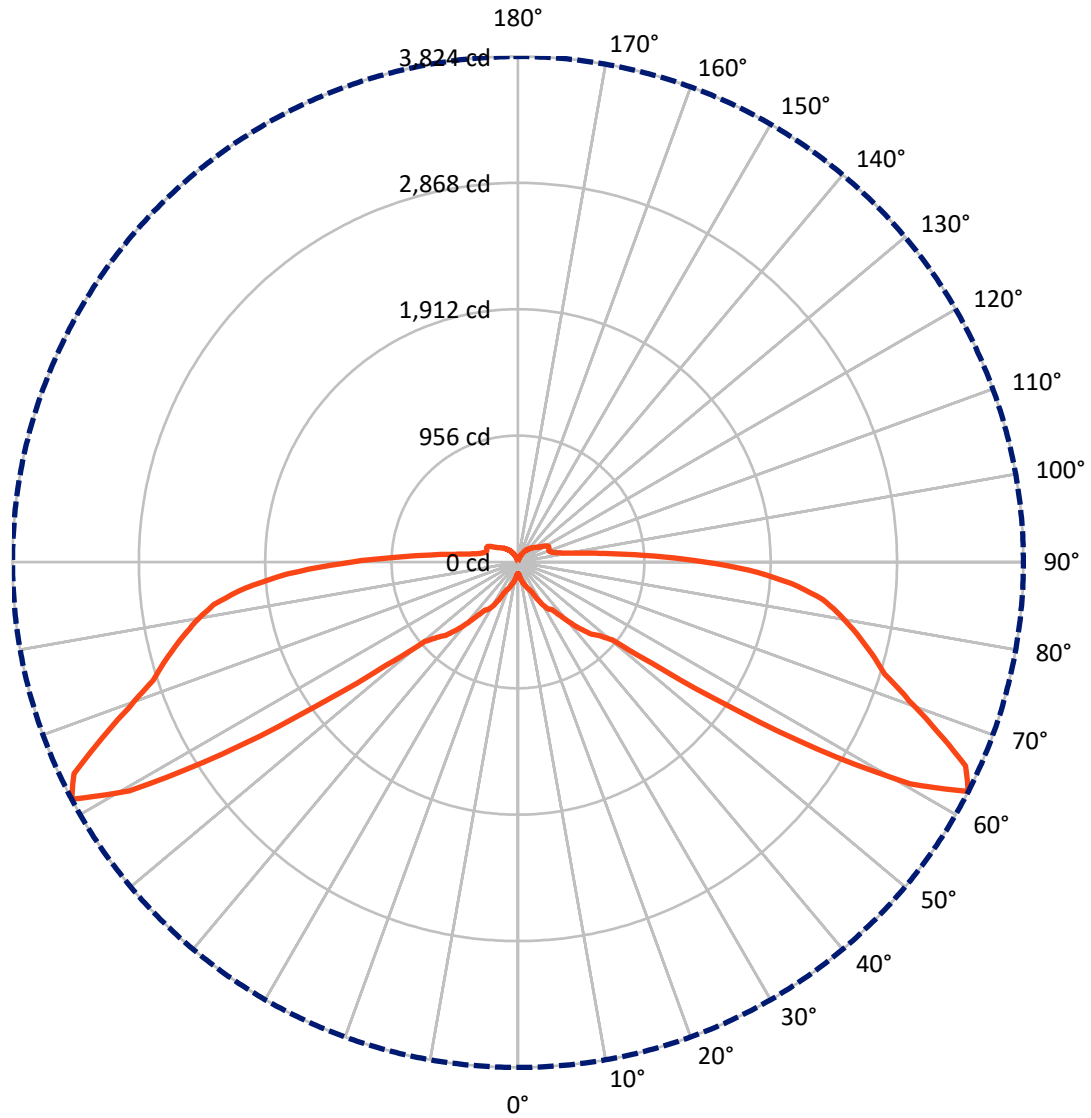
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P588398  
CATALOG NUMBER: ARC-CA6-120-722-U-55-X-5-X

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P588398  
 CATALOG NUMBER: ARC-CA6-120-722-U-55-X-5-X

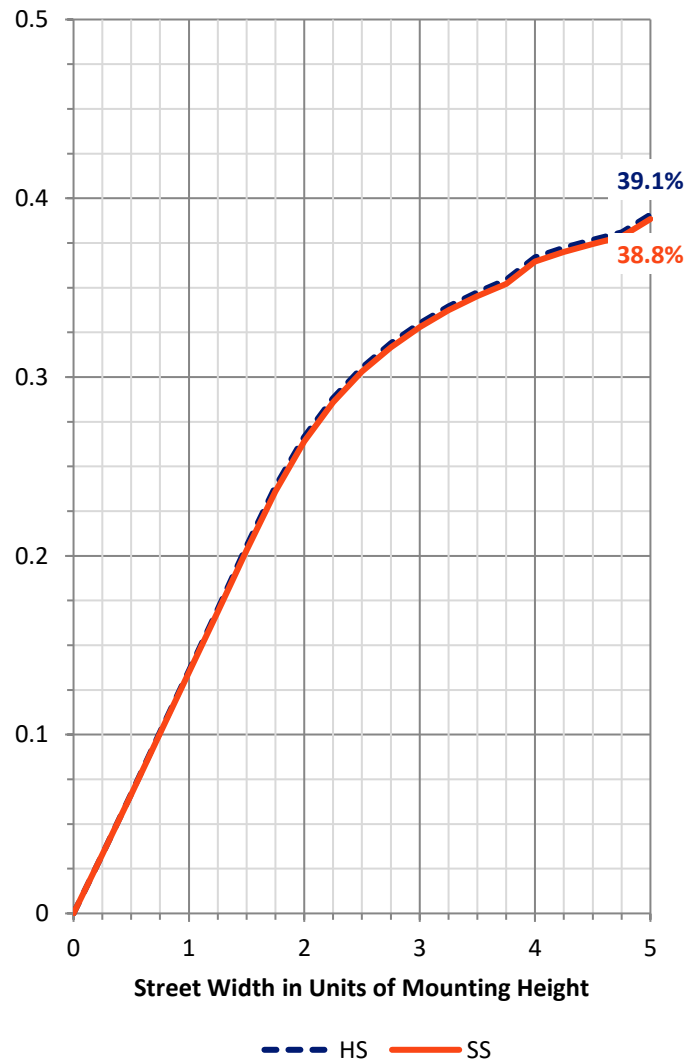
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5778.4	877.6	6656.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	5778.4	877.6	6656.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	11556.8	1755.1	13312.0
	% Fixture	86.8	13.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	50.5	0.4
20°-30°	131.1	1.0
30°-40°	295.0	2.2
40°-50°	596.0	4.5
50°-60°	1814.9	13.6
60°-70°	3531.0	26.5
70°-80°	2932.2	22.0
80°-90°	2195.3	16.5
90°-100°	803.9	6.0
100°-110°	302.6	2.3
110°-120°	252.3	1.9
120°-130°	177.7	1.3
130°-140°	115.2	0.9
140°-150°	66.7	0.5
150°-160°	28.8	0.2
160°-170°	7.3	0.1
170°-180°	0.6	0.0
0°-90°	11556.8	86.8
0°-180°	13312.0	100.0



REPORT NUMBER: P588398

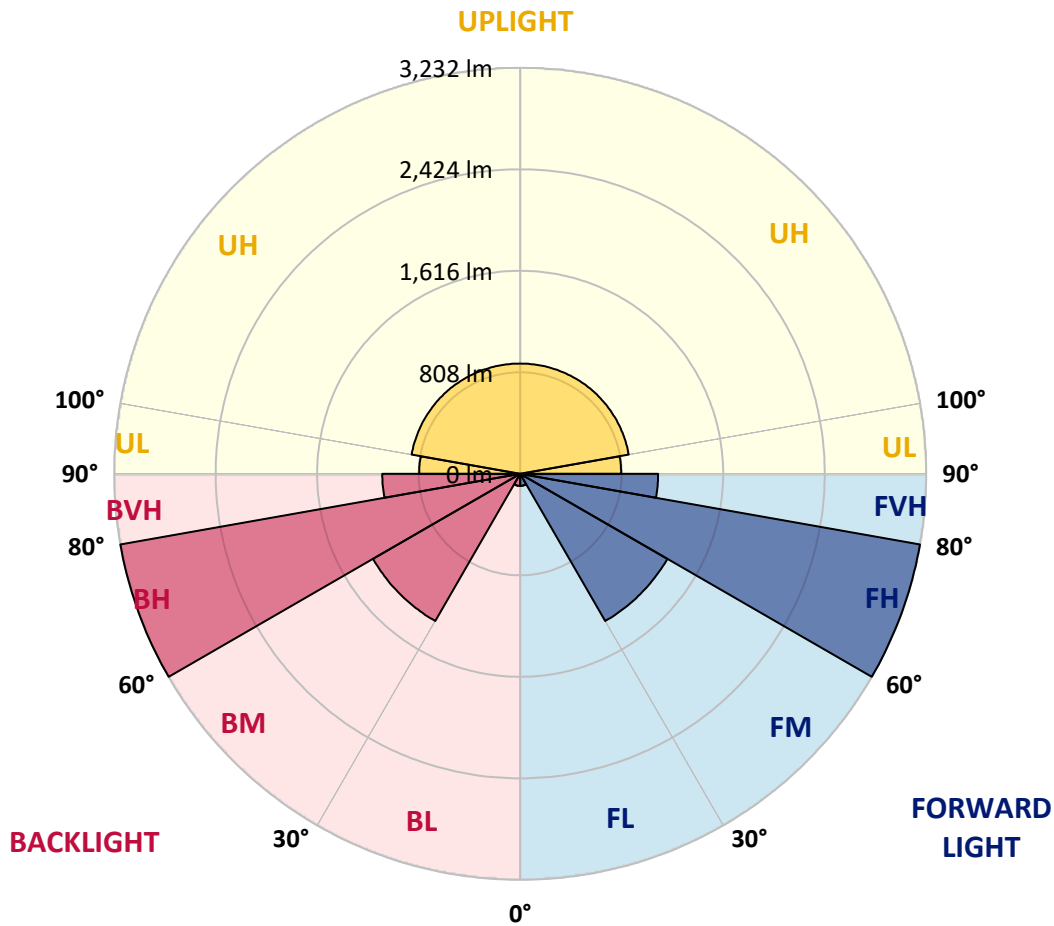
CATALOG NUMBER: ARC-CA6-120-722-U-55-X-5-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.3	0.7			
FM (30°-60°)	1352.9	10.2			
FH (60°-80°)	3231.6	24.3			G2/5000
FVH (80°-90°)	1097.6	8.2			G5
BL (0°-30°)	96.3	0.7	B0/110		
BM (30°-60°)	1352.9	10.2	B2/2500		
BH (60°-80°)	3231.6	24.3	B4/5000		G2/5000
BVH (80°-90°)	1097.6	8.2			G5
UL (90°-100°)	803.9	6.0		U4/1000	
UH (100°-180°)	877.6	6.6		U4/1000	

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

Type V Short



REPORT NUMBER: P588398  
CATALOG NUMBER: ARC-CA6-120-722-U-55-X-5-X

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	88.7
2.5°	90.5
5°	101.1
7.5°	120.7
10°	138.4
12.5°	156.2
15°	173.9
17.5°	191.6
20°	212.9
22.5°	228.9
25°	262.6
27.5°	323.0
30°	383.3
32.5°	424.1
35°	441.8
37.5°	507.5
40°	596.2
42.5°	688.5
45°	777.2
47.5°	834.0
50°	926.3
52.5°	1270.5
55°	1884.5
57.5°	2668.8
60°	3410.5
62.5°	3824.0
65°	3721.1
67.5°	3421.2
70°	3139.0
72.5°	2901.3
75°	2762.8
77.5°	2622.7
80°	2478.9
82.5°	2324.6
85°	2076.1
87.5°	1746.1
90°	1334.4
92.5°	951.1
95°	661.9
97.5°	479.1
100°	367.3
102.5°	305.2
105°	273.3
107.5°	255.5
110°	250.2

REPORT NUMBER: P588398  
CATALOG NUMBER: ARC-CA6-120-722-U-55-X-5-X

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	253.7
115°	260.8
117.5°	257.3
120°	239.6
122.5°	212.9
125°	193.4
127.5°	179.2
130°	168.6
132.5°	157.9
135°	149.1
137.5°	138.4
140°	126.0
142.5°	115.3
145°	106.5
147.5°	95.8
150°	81.6
152.5°	71.0
155°	60.3
157.5°	51.5
160°	40.8
162.5°	31.9
165°	23.1
167.5°	16.0
170°	10.6
172.5°	5.3
175°	3.5
177.5°	5.3
180°	5.3

(END OF REPORT)