

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: P588382

Luminaire Tested: **ARC-CA6-110-730-U-55-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588382  
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-CA6-110-730-U-55-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

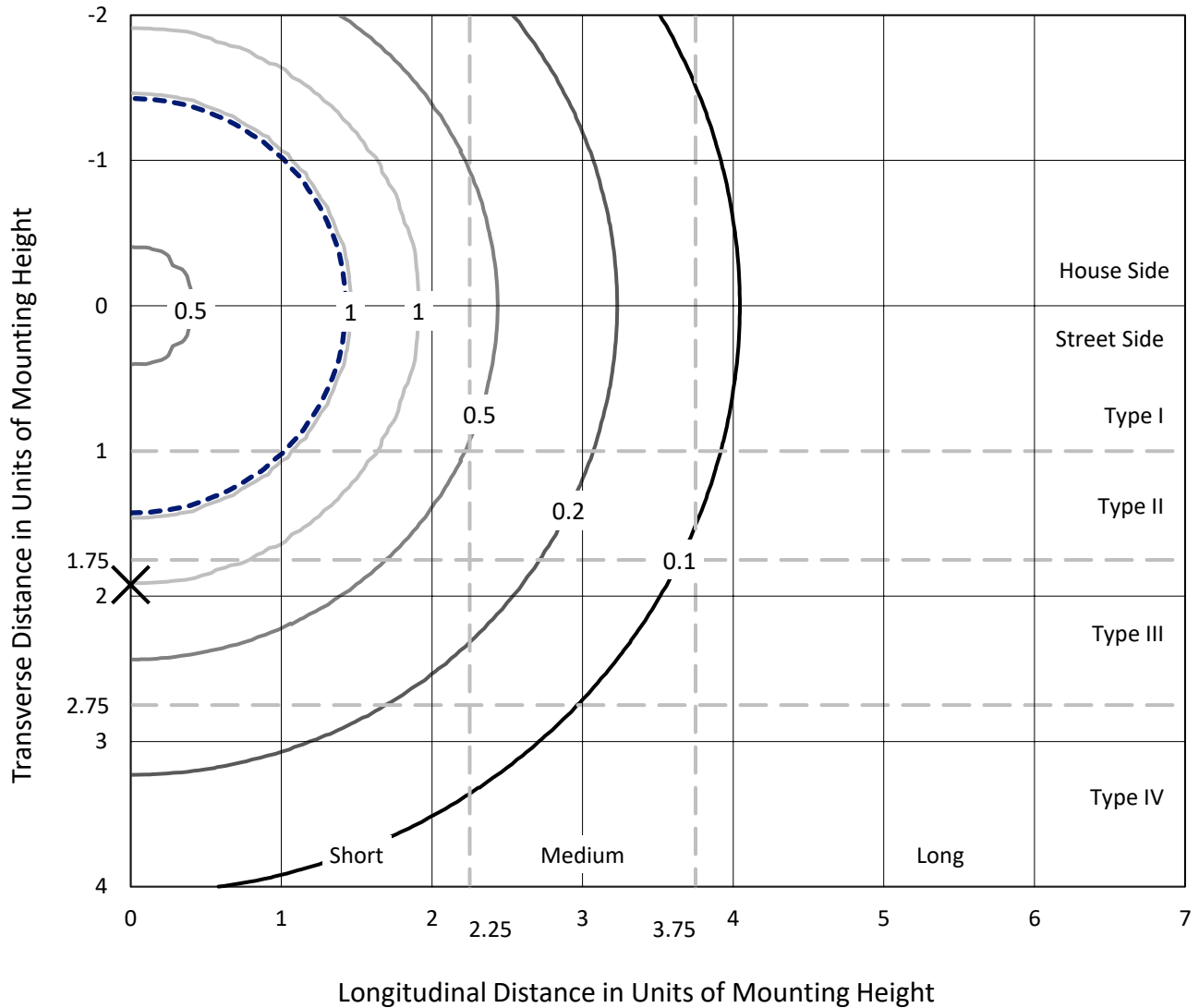
Lumens per Lamp: N/A  
Luminaire Lumens: 14238 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G5  
  
Input Watts (W): 112.2  
Input Voltage (V): 120  
Input 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: P588382  
 CATALOG NUMBER: ARC-CA6-110-730-U-55-X-5-X

### Iso-Footcandle Lines of Horizontal Illumination

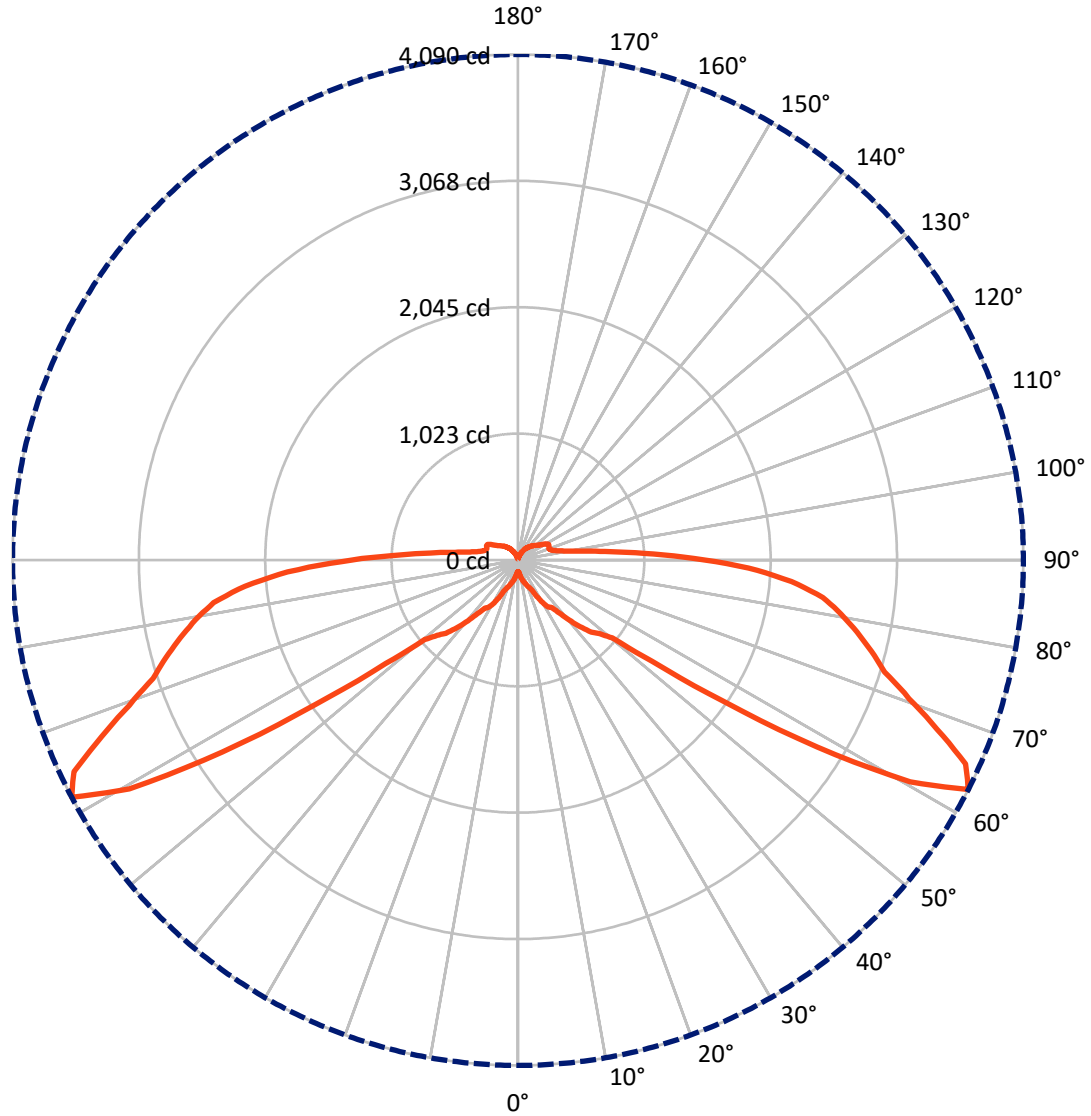
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P588382  
CATALOG NUMBER: ARC-CA6-110-730-U-55-X-5-X

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P588382  
 CATALOG NUMBER: ARC-CA6-110-730-U-55-X-5-X

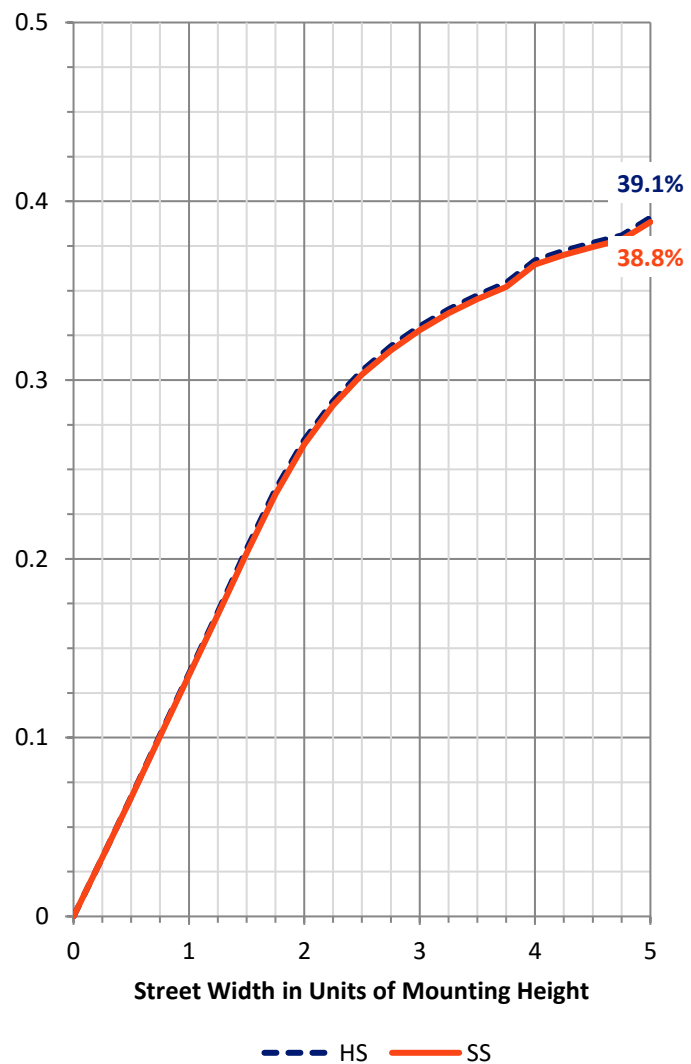
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6180.4	938.6	7119.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	6180.4	938.6	7119.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	12360.8	1877.3	14238.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.7	0.1
10°-20°	54.0	0.4
20°-30°	140.3	1.0
30°-40°	315.5	2.2
40°-50°	637.4	4.5
50°-60°	1941.1	13.6
60°-70°	3776.6	26.5
70°-80°	3136.1	22.0
80°-90°	2347.9	16.5
90°-100°	859.9	6.0
100°-110°	323.7	2.3
110°-120°	269.9	1.9
120°-130°	190.1	1.3
130°-140°	123.2	0.9
140°-150°	71.4	0.5
150°-160°	30.8	0.2
160°-170°	7.8	0.1
170°-180°	0.6	0.0
0°-90°	12360.8	86.8
0°-180°	14238.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P588382

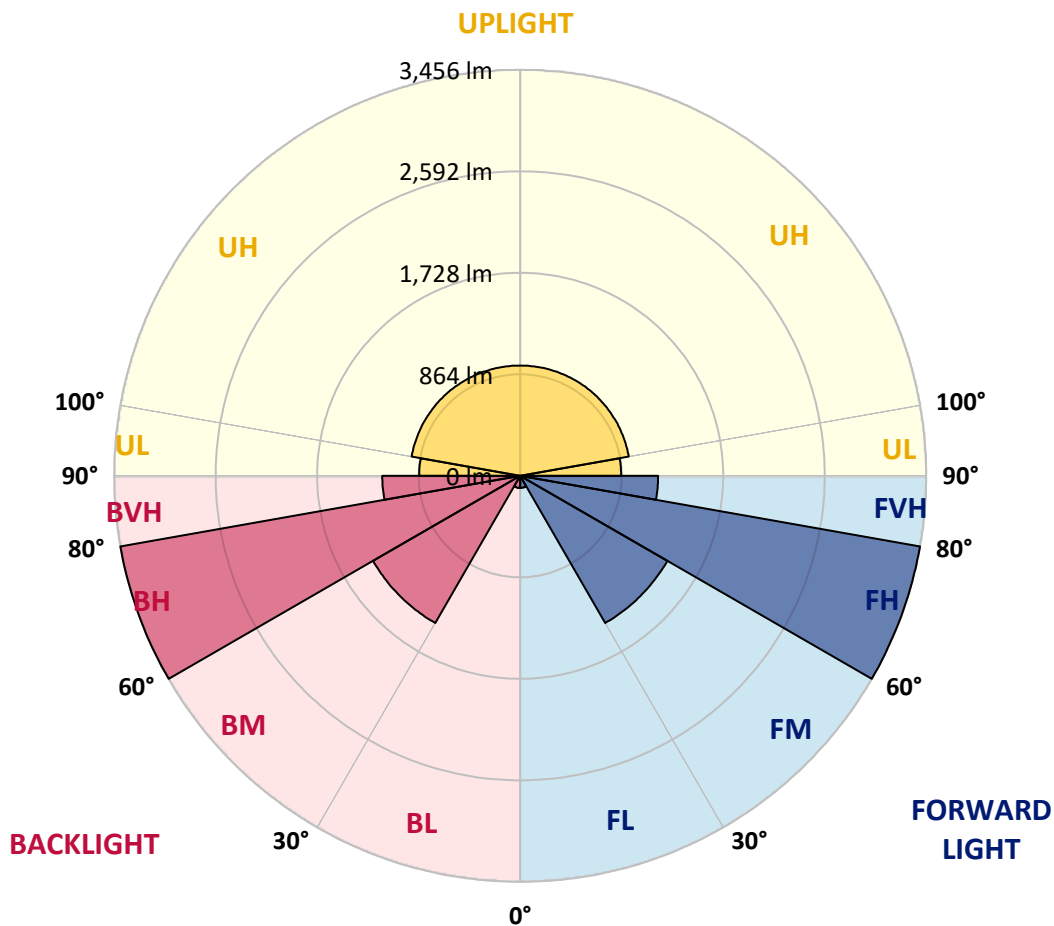
CATALOG NUMBER: ARC-CA6-110-730-U-55-X-5-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.0	0.7			
FM (30°-60°)	1447.0	10.2			
FH (60°-80°)	3456.4	24.3			G2/5000
FVH (80°-90°)	1174.0	8.2			G5
BL (0°-30°)	103.0	0.7	B0/110		
BM (30°-60°)	1447.0	10.2	B2/2500		
BH (60°-80°)	3456.4	24.3	B4/5000		G2/5000
BVH (80°-90°)	1174.0	8.2			G5
UL (90°-100°)	859.9	6.0		U4/1000	
UH (100°-180°)	938.6	6.6		U4/1000	

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

Type V Short



REPORT NUMBER: P588382  
CATALOG NUMBER: ARC-CA6-110-730-U-55-X-5-X

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	94.9
2.5°	96.8
5°	108.2
7.5°	129.1
10°	148.0
12.5°	167.0
15°	186.0
17.5°	205.0
20°	227.7
22.5°	244.8
25°	280.9
27.5°	345.4
30°	409.9
32.5°	453.6
35°	472.6
37.5°	542.8
40°	637.7
42.5°	736.4
45°	831.3
47.5°	892.0
50°	990.7
52.5°	1358.9
55°	2015.6
57.5°	2854.4
60°	3647.8
62.5°	4090.0
65°	3979.9
67.5°	3659.2
70°	3357.4
72.5°	3103.1
75°	2955.0
77.5°	2805.1
80°	2651.4
82.5°	2486.3
85°	2220.5
87.5°	1867.5
90°	1427.2
92.5°	1017.3
95°	707.9
97.5°	512.4
100°	392.9
102.5°	326.4
105°	292.3
107.5°	273.3
110°	267.6

REPORT NUMBER: P588382  
CATALOG NUMBER: ARC-CA6-110-730-U-55-X-5-X

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	271.4
115°	279.0
117.5°	275.2
120°	256.2
122.5°	227.7
125°	206.9
127.5°	191.7
130°	180.3
132.5°	168.9
135°	159.4
137.5°	148.0
140°	134.8
142.5°	123.4
145°	113.9
147.5°	102.5
150°	87.3
152.5°	75.9
155°	64.5
157.5°	55.0
160°	43.7
162.5°	34.2
165°	24.7
167.5°	17.1
170°	11.4
172.5°	5.7
175°	3.8
177.5°	5.7
180°	5.7

(END OF REPORT)