

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: P588410

Luminaire Tested: **ARC-CA6-120-740-U-55-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588410  
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-CA6-120-740-U-55-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

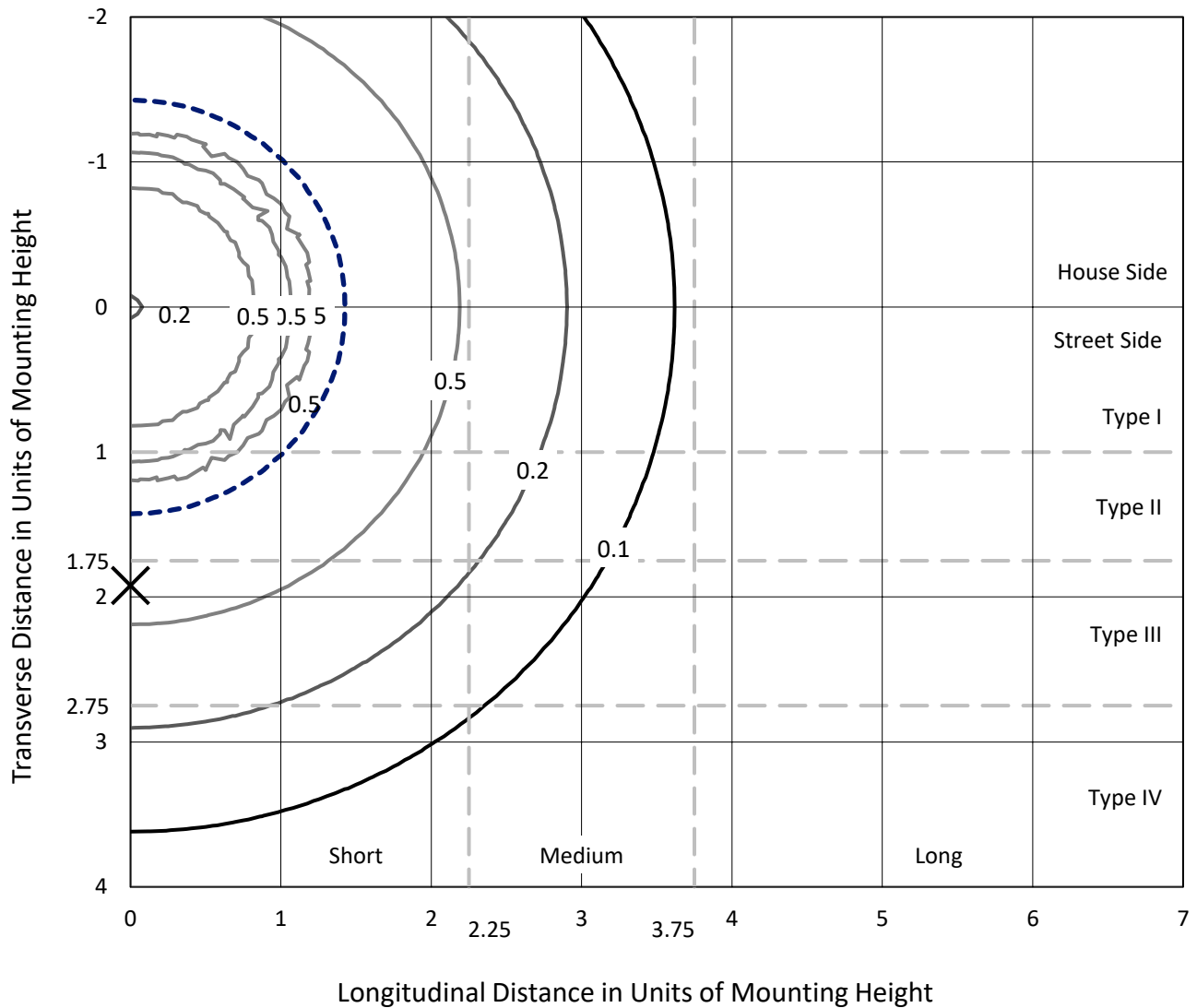
Lumens per Lamp: N/A  
Luminaire Lumens: 15792 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G5  
  
Input Watts (W): 119.3  
Input Voltage (V): 120  
Input 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: P588410  
 CATALOG NUMBER: ARC-CA6-120-740-U-55-X-5-X

### Iso-Footcandle Lines of Horizontal Illumination

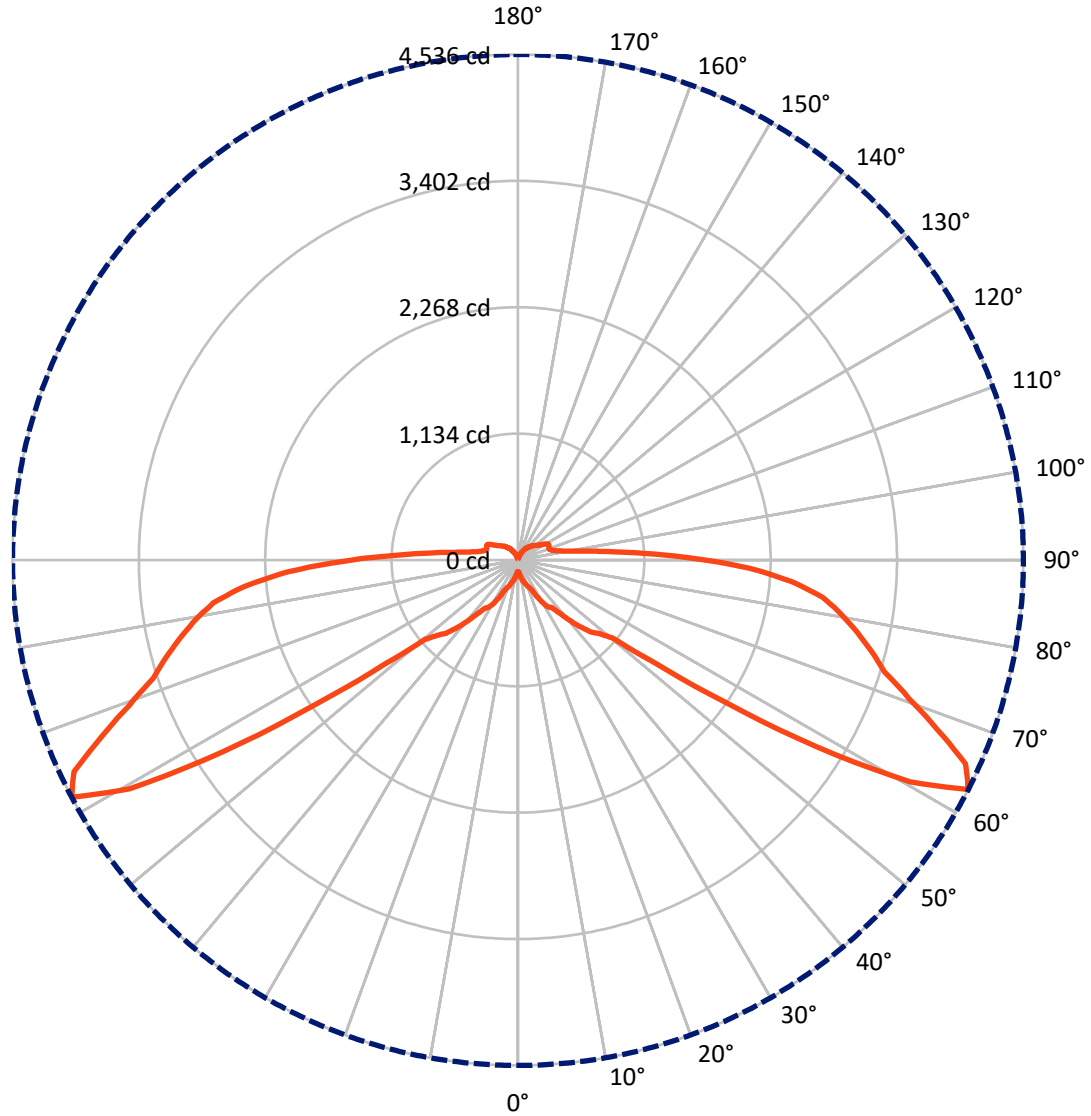
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588410  
CATALOG NUMBER: ARC-CA6-120-740-U-55-X-5-X

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P588410  
 CATALOG NUMBER: ARC-CA6-120-740-U-55-X-5-X

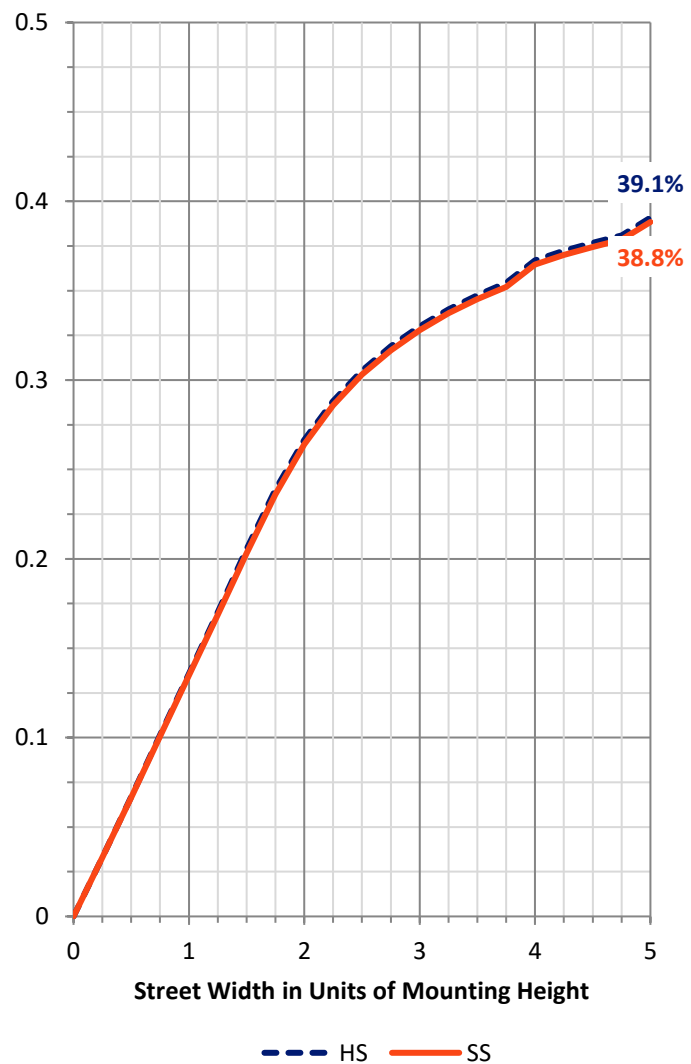
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6854.9	1041.1	7896.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	6854.9	1041.1	7896.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	13709.9	2082.1	15792.0
	% Fixture	86.8	13.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	0.1
10°-20°	59.9	0.4
20°-30°	155.6	1.0
30°-40°	349.9	2.2
40°-50°	707.0	4.5
50°-60°	2153.0	13.6
60°-70°	4188.8	26.5
70°-80°	3478.5	22.0
80°-90°	2604.2	16.5
90°-100°	953.7	6.0
100°-110°	359.0	2.3
110°-120°	299.3	1.9
120°-130°	210.8	1.3
130°-140°	136.6	0.9
140°-150°	79.1	0.5
150°-160°	34.1	0.2
160°-170°	8.7	0.1
170°-180°	0.7	0.0
0°-90°	13709.9	86.8
0°-180°	15792.0	100.0

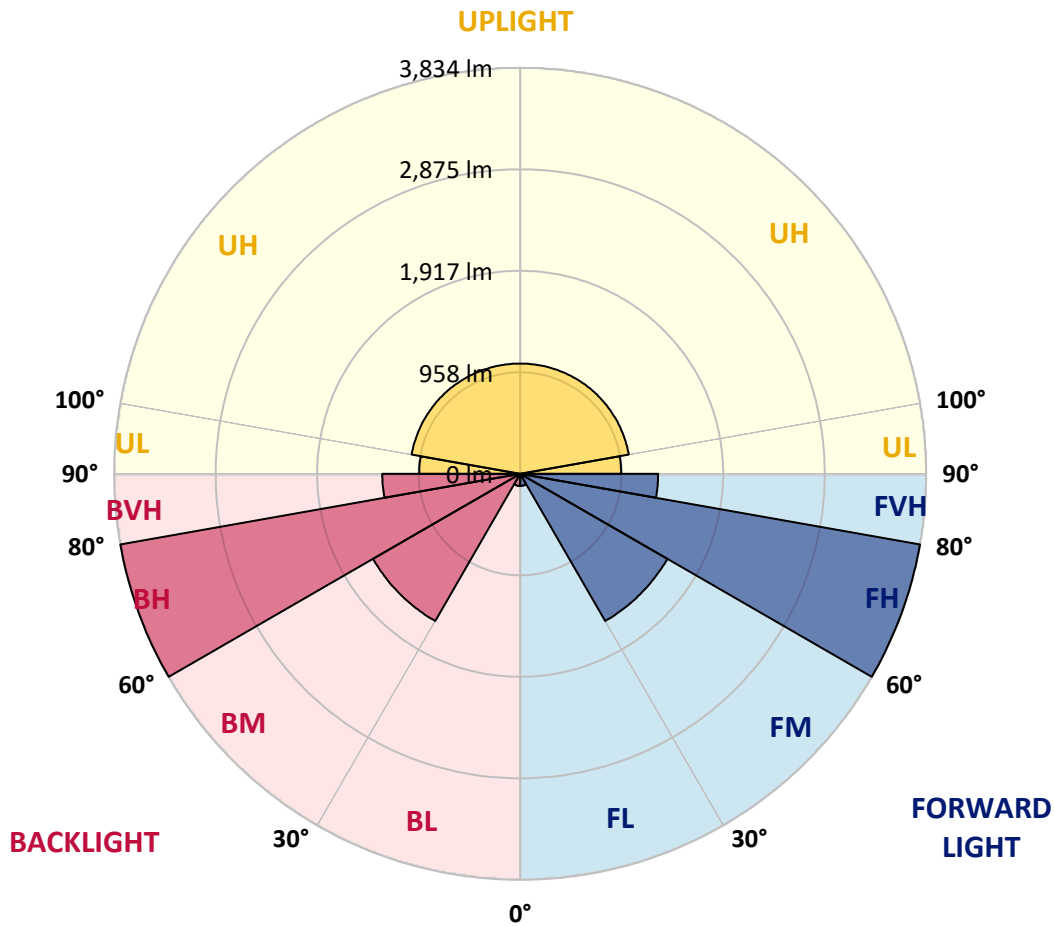


REPORT NUMBER: P588410  
 CATALOG NUMBER: ARC-CA6-120-740-U-55-X-5-X

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.2	0.7			
FM (30°-60°)	1605.0	10.2			
FH (60°-80°)	3833.6	24.3			G2/5000
FVH (80°-90°)	1302.1	8.2			G5
BL (0°-30°)	114.2	0.7	B1/500		
BM (30°-60°)	1605.0	10.2	B2/2500		
BH (60°-80°)	3833.6	24.3	B4/5000		G2/5000
BVH (80°-90°)	1302.1	8.2			G5
UL (90°-100°)	953.7	6.0		U4/1000	
UH (100°-180°)	1041.1	6.6		U5	

**BUG Rating: B4-U5-G5**  
 Type V Short



REPORT NUMBER: P588410  
CATALOG NUMBER: ARC-CA6-120-740-U-55-X-5-X

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	105.3
2.5°	107.4
5°	120.0
7.5°	143.1
10°	164.2
12.5°	185.2
15°	206.3
17.5°	227.3
20°	252.6
22.5°	271.6
25°	311.5
27.5°	383.1
30°	454.7
32.5°	503.1
35°	524.2
37.5°	602.0
40°	707.3
42.5°	816.8
45°	922.0
47.5°	989.4
50°	1098.8
52.5°	1507.2
55°	2235.6
57.5°	3166.0
60°	4045.9
62.5°	4536.4
65°	4414.3
67.5°	4058.5
70°	3723.8
72.5°	3441.8
75°	3277.6
77.5°	3111.3
80°	2940.8
82.5°	2757.6
85°	2462.9
87.5°	2071.4
90°	1583.0
92.5°	1128.3
95°	785.2
97.5°	568.4
100°	435.7
102.5°	362.1
105°	324.2
107.5°	303.1
110°	296.8

REPORT NUMBER: P588410  
CATALOG NUMBER: ARC-CA6-120-740-U-55-X-5-X

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	301.0
115°	309.4
117.5°	305.2
120°	284.2
122.5°	252.6
125°	229.5
127.5°	212.6
130°	200.0
132.5°	187.3
135°	176.8
137.5°	164.2
140°	149.5
142.5°	136.8
145°	126.3
147.5°	113.7
150°	96.8
152.5°	84.2
155°	71.6
157.5°	61.0
160°	48.4
162.5°	37.9
165°	27.4
167.5°	18.9
170°	12.6
172.5°	6.3
175°	4.2
177.5°	6.3
180°	6.3

(END OF REPORT)