

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: P588426

Luminaire Tested: **ARC-CA6-130-727-U-55-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588426  
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-CA6-130-727-U-55-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

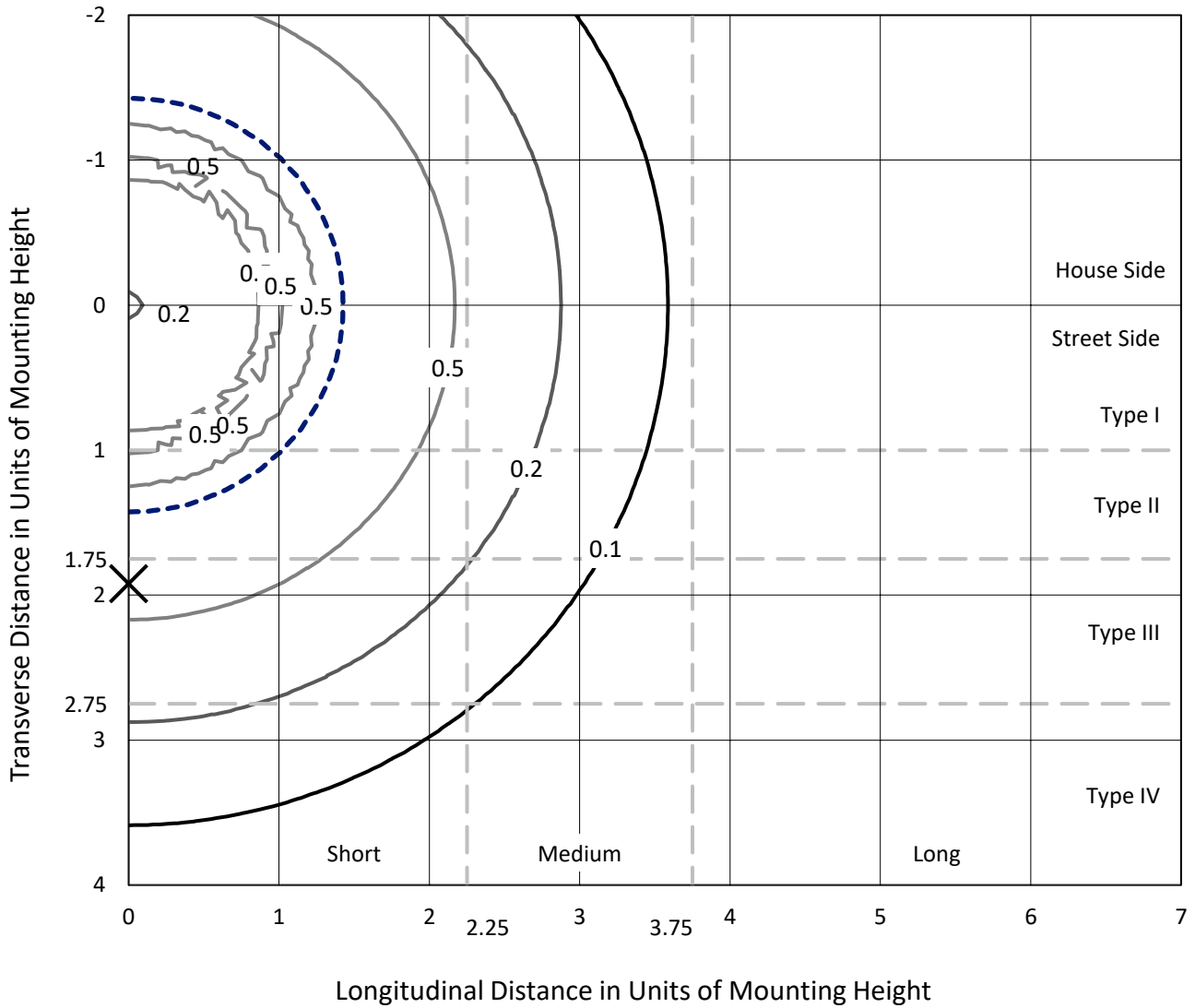
Lumens per Lamp: N/A  
Luminaire Lumens: 15350 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U5 - G5  
  
Input Watts (W): 124.3  
Input Voltage (V): 120  
Input 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



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### Iso-Footcandle Lines of Horizontal Illumination

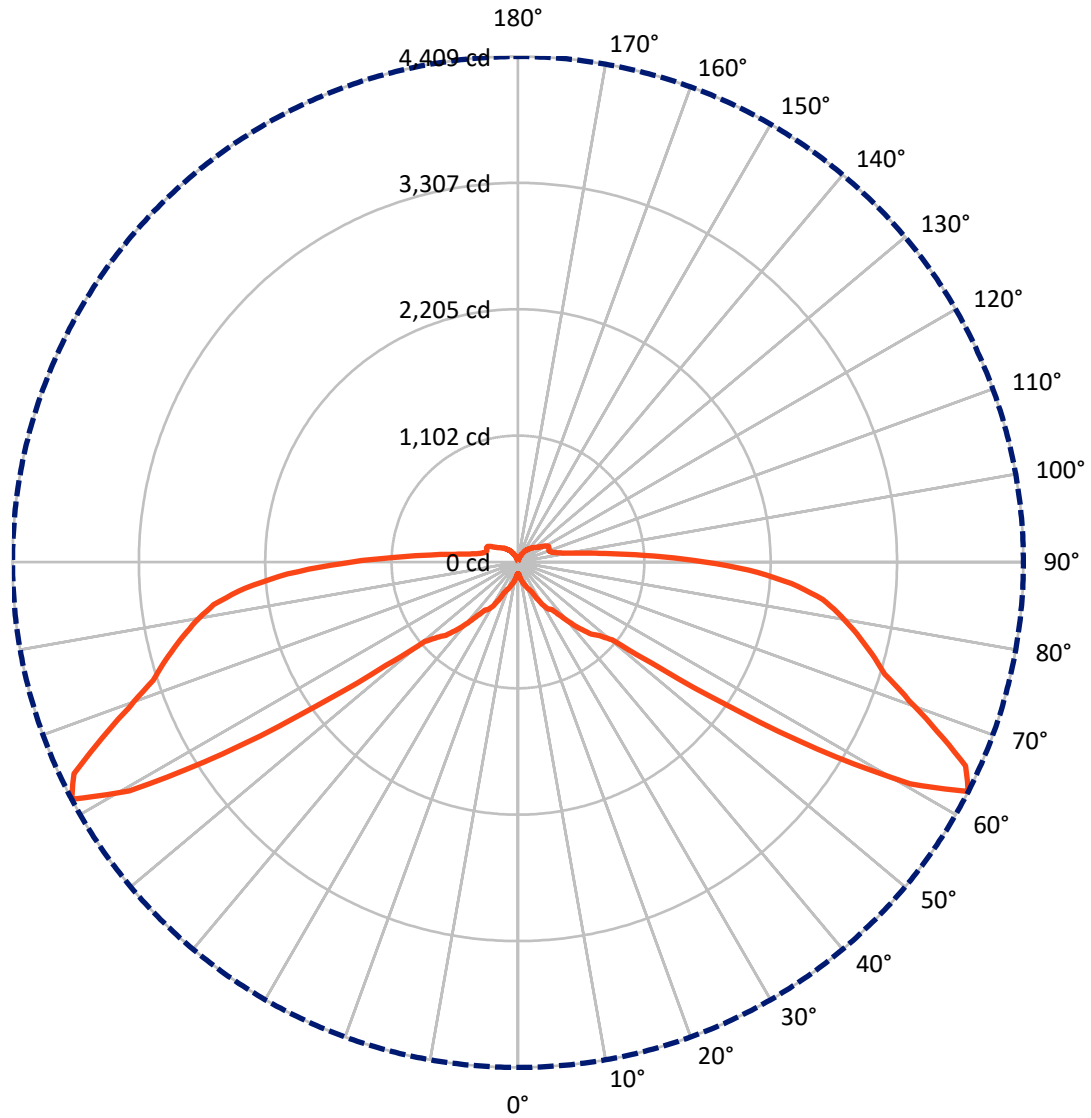
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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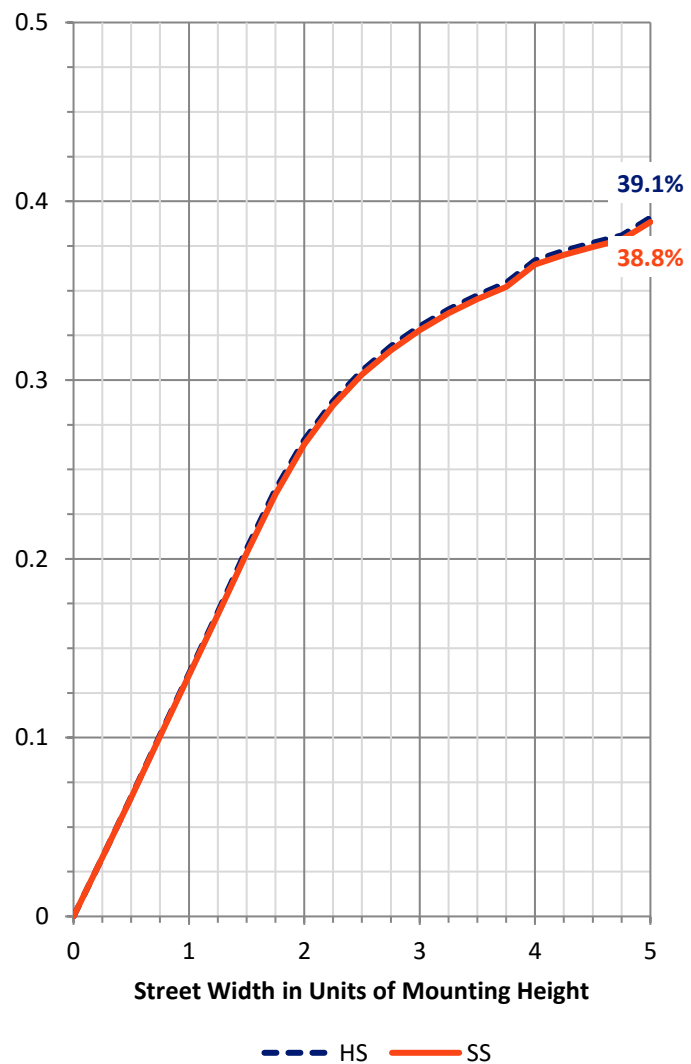
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6663.1	1011.9	7675.0
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	6663.1	1011.9	7675.0
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	13326.1	2023.9	15350.0
	% Fixture	86.8	13.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	0.1
10°-20°	58.2	0.4
20°-30°	151.2	1.0
30°-40°	340.2	2.2
40°-50°	687.2	4.5
50°-60°	2092.7	13.6
60°-70°	4071.6	26.5
70°-80°	3381.1	22.0
80°-90°	2531.3	16.5
90°-100°	927.0	6.0
100°-110°	349.0	2.3
110°-120°	291.0	1.9
120°-130°	204.9	1.3
130°-140°	132.8	0.9
140°-150°	76.9	0.5
150°-160°	33.2	0.2
160°-170°	8.4	0.1
170°-180°	0.7	0.0
0°-90°	13326.1	86.8
0°-180°	15350.0	100.0

**Coefficient of Utilization**



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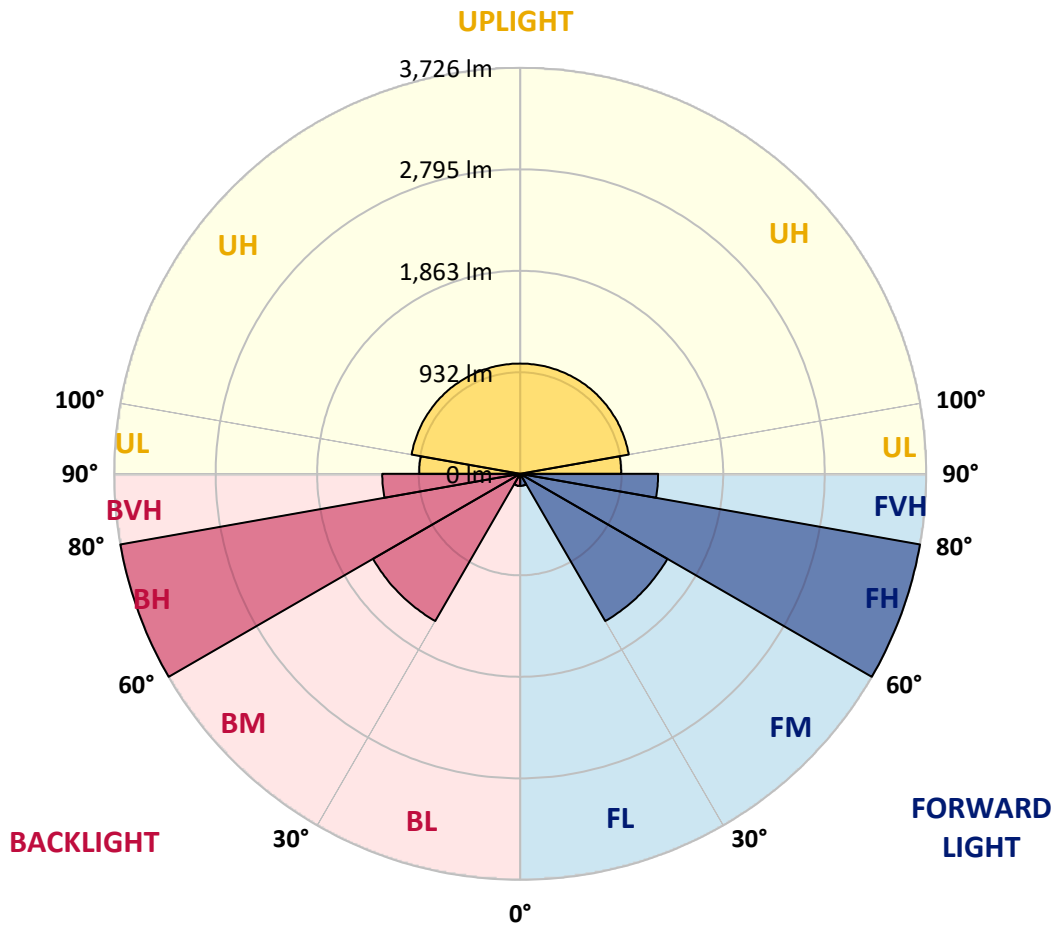
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.0	0.7			
FM (30°-60°)	1560.0	10.2			
FH (60°-80°)	3726.3	24.3			G2/5000
FVH (80°-90°)	1265.7	8.2			G5
BL (0°-30°)	111.0	0.7	B1/500		
BM (30°-60°)	1560.0	10.2	B2/2500		
BH (60°-80°)	3726.3	24.3	B4/5000		G2/5000
BVH (80°-90°)	1265.7	8.2			G5
UL (90°-100°)	927.0	6.0		U4/1000	
UH (100°-180°)	1011.9	6.6		U5	

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	102.3
2.5°	104.4
5°	116.6
7.5°	139.1
10°	159.6
12.5°	180.1
15°	200.5
17.5°	221.0
20°	245.5
22.5°	264.0
25°	302.8
27.5°	372.4
30°	442.0
32.5°	489.0
35°	509.5
37.5°	585.2
40°	687.5
42.5°	793.9
45°	896.2
47.5°	961.7
50°	1068.1
52.5°	1465.0
55°	2173.0
57.5°	3077.4
60°	3932.7
62.5°	4409.4
65°	4290.7
67.5°	3944.9
70°	3619.6
72.5°	3345.4
75°	3185.8
77.5°	3024.2
80°	2858.4
82.5°	2680.4
85°	2394.0
87.5°	2013.4
90°	1538.7
92.5°	1096.7
95°	763.2
97.5°	552.5
100°	423.5
102.5°	351.9
105°	315.1
107.5°	294.6
110°	288.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	292.6
115°	300.8
117.5°	296.7
120°	276.2
122.5°	245.5
125°	223.0
127.5°	206.7
130°	194.4
132.5°	182.1
135°	171.9
137.5°	159.6
140°	145.3
142.5°	133.0
145°	122.8
147.5°	110.5
150°	94.1
152.5°	81.8
155°	69.6
157.5°	59.3
160°	47.1
162.5°	36.8
165°	26.6
167.5°	18.4
170°	12.3
172.5°	6.1
175°	4.1
177.5°	6.1
180°	6.1

(END OF REPORT)