

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: P588370

Luminaire Tested: **ARC-CA6-100-760-U-55-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588370  
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-CA6-100-760-U-55-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR  
Light Source: (6) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

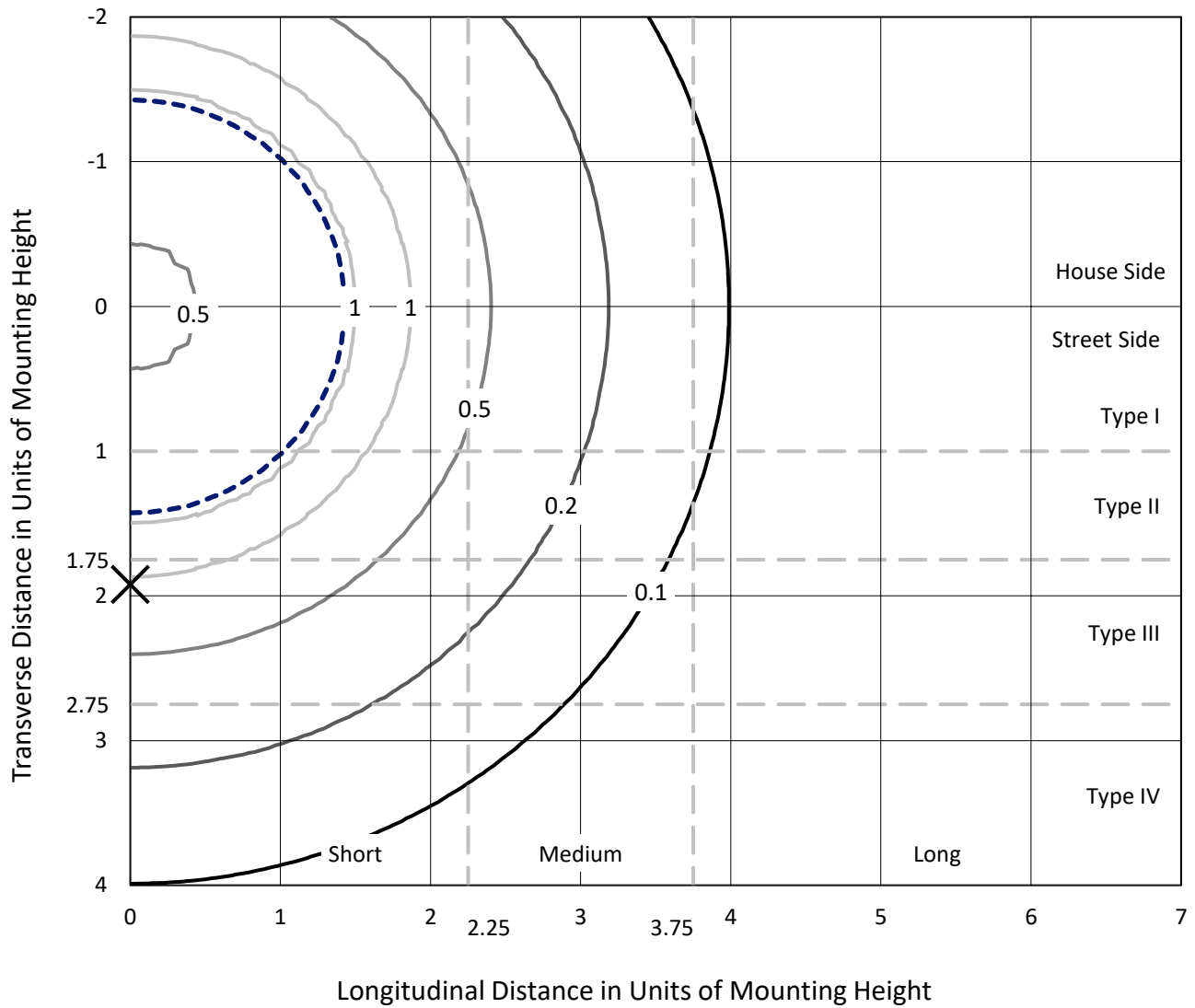
Lumens per Lamp: N/A  
Luminaire Lumens: 13649 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B4 - U4 - G5  
  
Input Watts (W): 103.7  
Input Voltage (V): 120  
Input 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

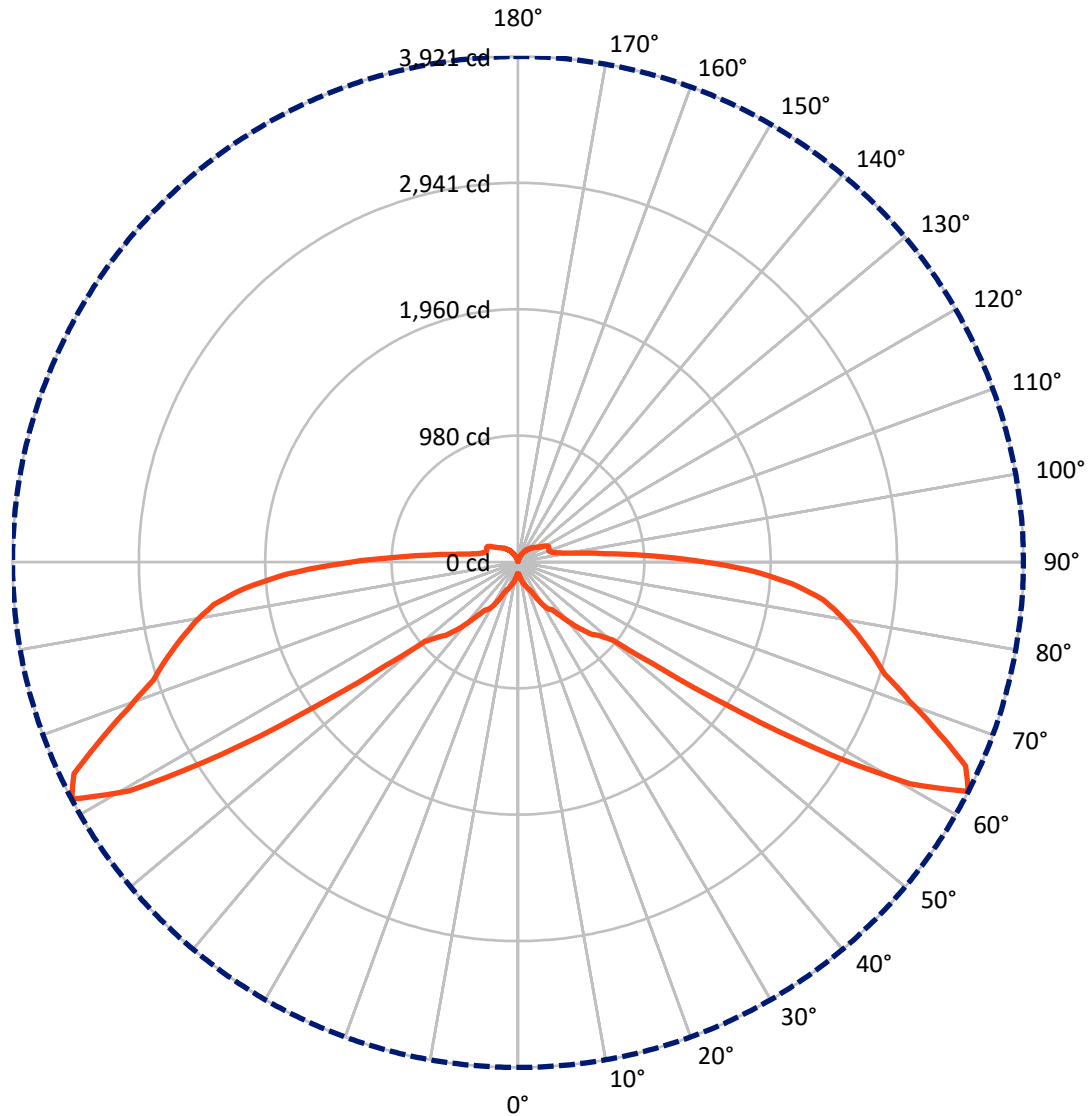
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.1 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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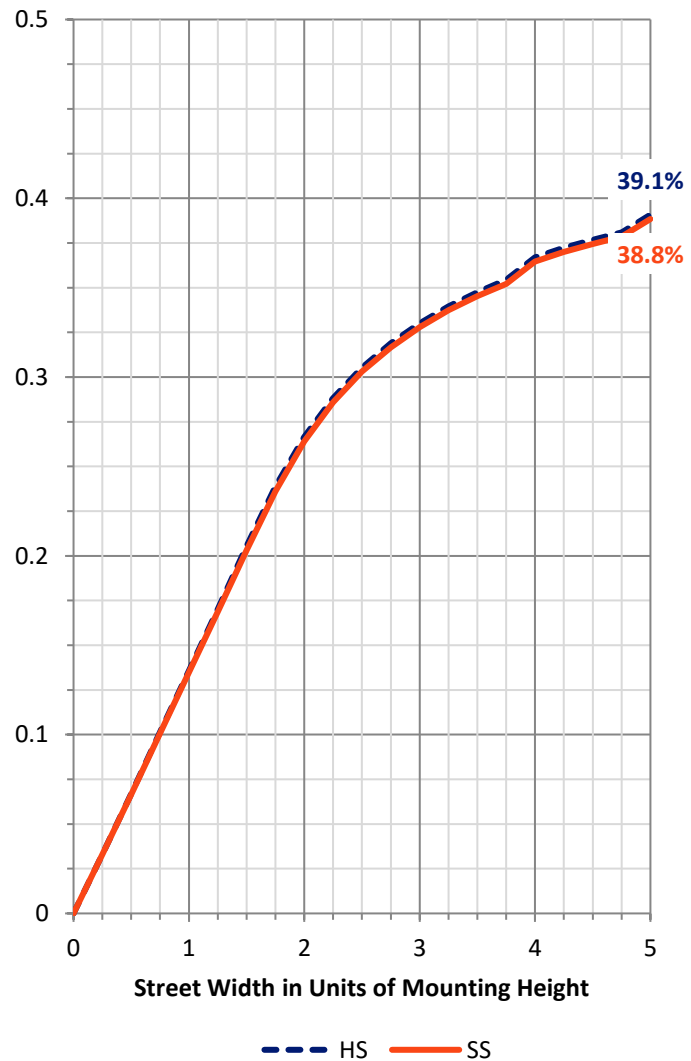
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5924.7	899.8	6824.5
	% Fixture	43.4	6.6	50.0
<b>Street Side</b>	Lumens	5924.7	899.8	6824.5
	% Fixture	43.4	6.6	50.0
<b>Total</b>	Lumens	11849.4	1799.6	13649.0
	% Fixture	86.8	13.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.2	0.1
10°-20°	51.8	0.4
20°-30°	134.5	1.0
30°-40°	302.4	2.2
40°-50°	611.0	4.5
50°-60°	1860.8	13.6
60°-70°	3620.4	26.5
70°-80°	3006.4	22.0
80°-90°	2250.8	16.5
90°-100°	824.3	6.0
100°-110°	310.3	2.3
110°-120°	258.7	1.9
120°-130°	182.2	1.3
130°-140°	118.1	0.9
140°-150°	68.4	0.5
150°-160°	29.5	0.2
160°-170°	7.5	0.1
170°-180°	0.6	0.0
0°-90°	11849.4	86.8
0°-180°	13649.0	100.0



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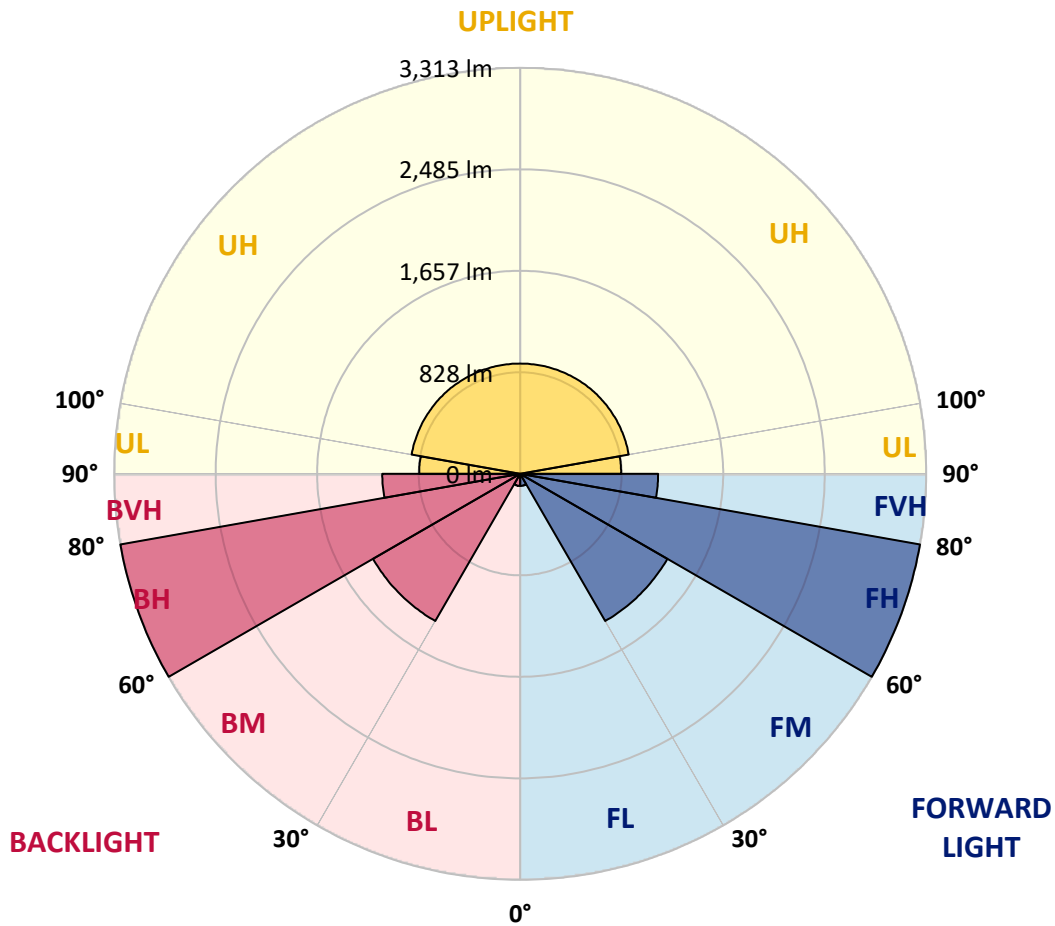
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.7	0.7			
FM (30°-60°)	1387.2	10.2			
FH (60°-80°)	3313.4	24.3			G2/5000
FVH (80°-90°)	1125.4	8.2			G5
BL (0°-30°)	98.7	0.7	B0/110		
BM (30°-60°)	1387.2	10.2	B2/2500		
BH (60°-80°)	3313.4	24.3	B4/5000		G2/5000
BVH (80°-90°)	1125.4	8.2			G5
UL (90°-100°)	824.3	6.0		U4/1000	
UH (100°-180°)	899.8	6.6		U4/1000	

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

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	91.0
2.5°	92.8
5°	103.7
7.5°	123.7
10°	141.9
12.5°	160.1
15°	178.3
17.5°	196.5
20°	218.3
22.5°	234.7
25°	269.3
27.5°	331.1
30°	393.0
32.5°	434.8
35°	453.0
37.5°	520.3
40°	611.3
42.5°	705.9
45°	796.9
47.5°	855.1
50°	949.7
52.5°	1302.7
55°	1932.2
57.5°	2736.4
60°	3496.9
62.5°	3920.8
65°	3815.3
67.5°	3507.8
70°	3218.5
72.5°	2974.7
75°	2832.8
77.5°	2689.1
80°	2541.7
82.5°	2383.4
85°	2128.7
87.5°	1790.3
90°	1368.2
92.5°	975.2
95°	678.6
97.5°	491.2
100°	376.6
102.5°	312.9
105°	280.2
107.5°	262.0
110°	256.5

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	260.2
115°	267.5
117.5°	263.8
120°	245.6
122.5°	218.3
125°	198.3
127.5°	183.8
130°	172.8
132.5°	161.9
135°	152.8
137.5°	141.9
140°	129.2
142.5°	118.3
145°	109.2
147.5°	98.2
150°	83.7
152.5°	72.8
155°	61.9
157.5°	52.8
160°	41.8
162.5°	32.7
165°	23.7
167.5°	16.4
170°	10.9
172.5°	5.5
175°	3.6
177.5°	5.5
180°	5.5

(END OF REPORT)