

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: P588378

Luminaire Tested: **ARC-CA6-110-727-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588378
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-CA6-110-727-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: 13624.9 lumens
Efficiency: N/A
Efficacy: 121.4 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

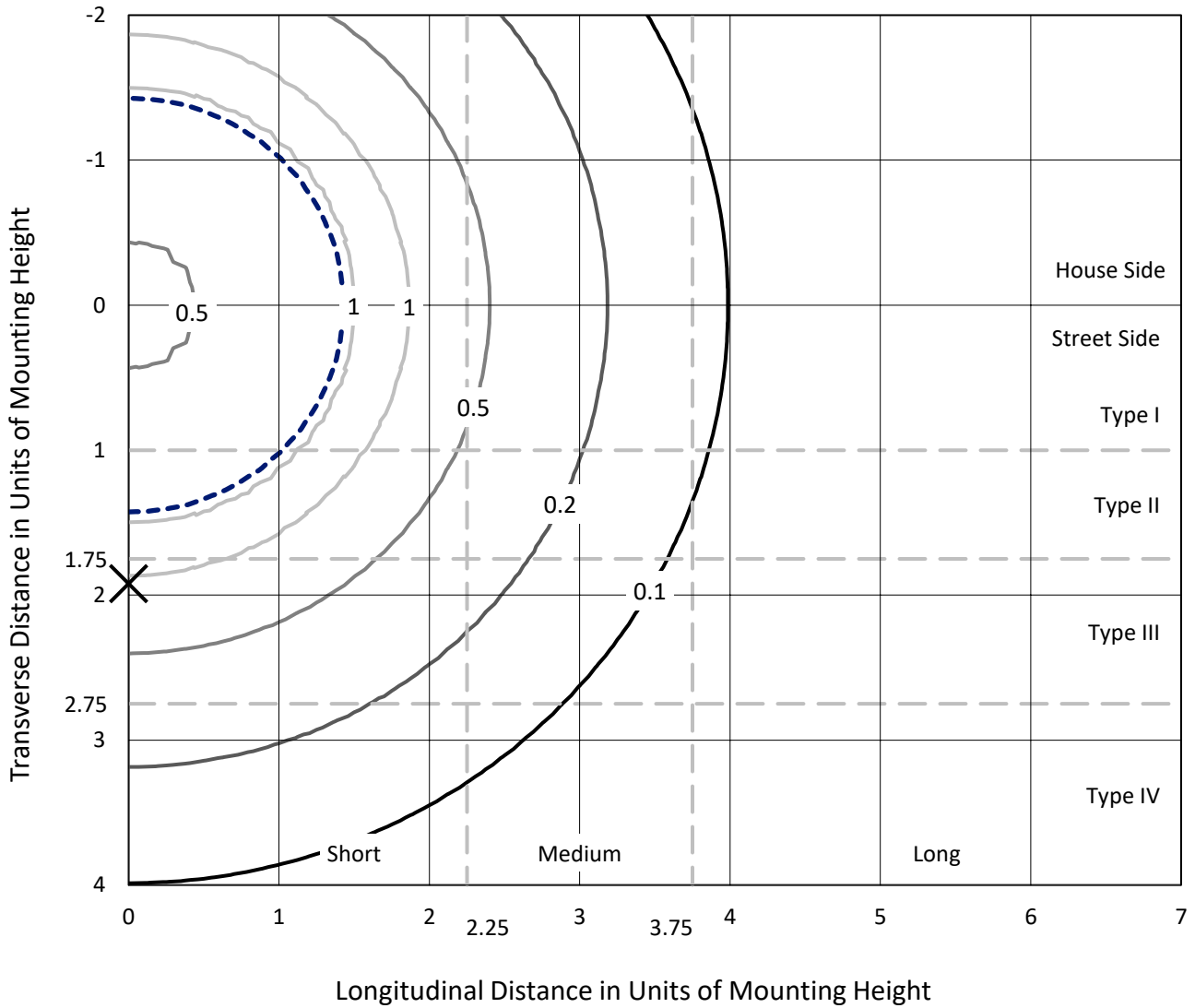
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

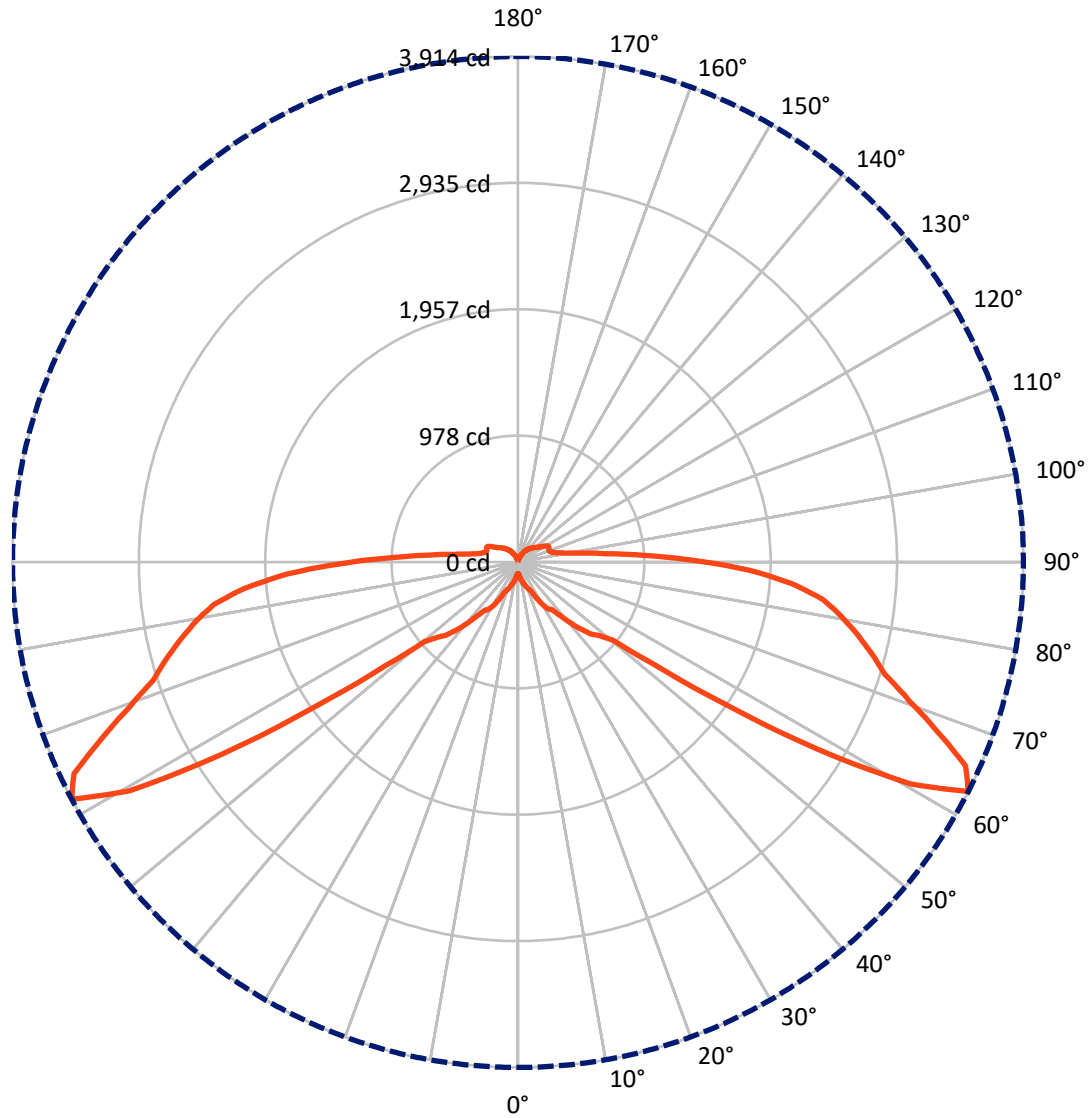
× Max cd
 - - - 1/2 Max cd



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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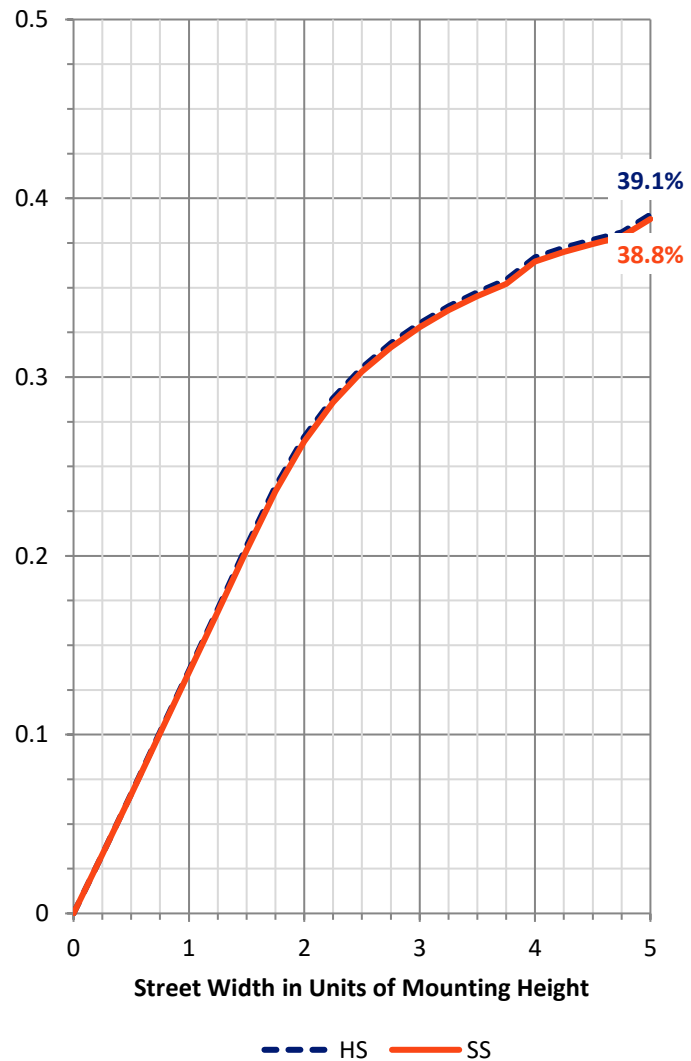
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5914.2	898.2	6812.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5914.2	898.2	6812.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	11828.5	1796.4	13624.9
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.2	0.1
10°-20°	51.7	0.4
20°-30°	134.2	1.0
30°-40°	301.9	2.2
40°-50°	610.0	4.5
50°-60°	1857.5	13.6
60°-70°	3614.0	26.5
70°-80°	3001.1	22.0
80°-90°	2246.8	16.5
90°-100°	822.9	6.0
100°-110°	309.8	2.3
110°-120°	258.3	1.9
120°-130°	181.9	1.3
130°-140°	117.9	0.9
140°-150°	68.3	0.5
150°-160°	29.5	0.2
160°-170°	7.5	0.1
170°-180°	0.6	0.0
0°-90°	11828.5	86.8
0°-180°	13624.9	100.0



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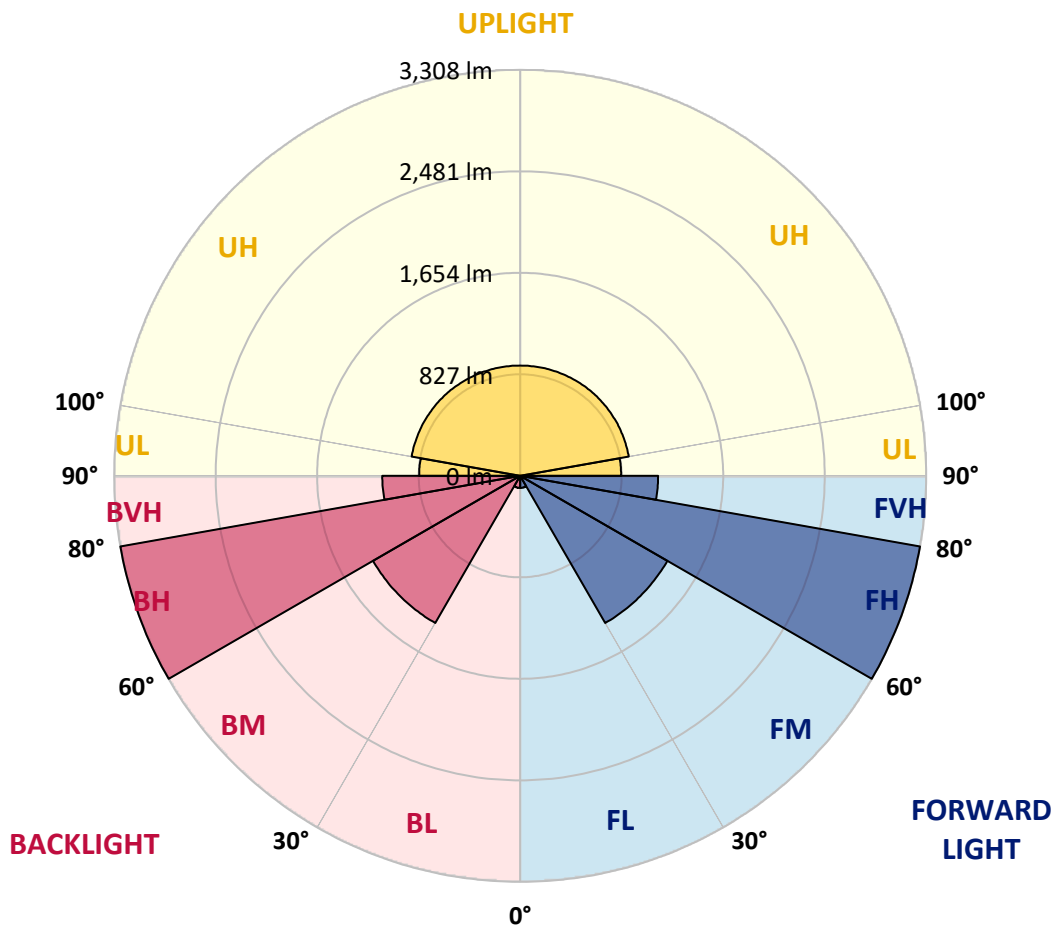
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.6	0.7			
FM (30°-60°)	1384.7	10.2			
FH (60°-80°)	3307.6	24.3			G2/5000
FVH (80°-90°)	1123.4	8.2			G5
BL (0°-30°)	98.6	0.7	B0/110		
BM (30°-60°)	1384.7	10.2	B2/2500		
BH (60°-80°)	3307.6	24.3	B4/5000		G2/5000
BVH (80°-90°)	1123.4	8.2			G5
UL (90°-100°)	822.9	6.0		U4/1000	
UH (100°-180°)	898.2	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	90.8
2.5°	92.6
5°	103.5
7.5°	123.5
10°	141.7
12.5°	159.8
15°	178.0
17.5°	196.1
20°	217.9
22.5°	234.3
25°	268.8
27.5°	330.5
30°	392.3
32.5°	434.1
35°	452.2
37.5°	519.4
40°	610.2
42.5°	704.7
45°	795.5
47.5°	853.6
50°	948.1
52.5°	1300.4
55°	1928.8
57.5°	2731.5
60°	3490.7
62.5°	3913.9
65°	3808.5
67.5°	3501.6
70°	3212.8
72.5°	2969.5
75°	2827.8
77.5°	2684.3
80°	2537.2
82.5°	2379.2
85°	2124.9
87.5°	1787.1
90°	1365.8
92.5°	973.5
95°	677.4
97.5°	490.4
100°	376.0
102.5°	312.4
105°	279.7
107.5°	261.5
110°	256.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	259.7
115°	267.0
117.5°	263.3
120°	245.2
122.5°	217.9
125°	198.0
127.5°	183.4
130°	172.5
132.5°	161.6
135°	152.6
137.5°	141.7
140°	128.9
142.5°	118.1
145°	109.0
147.5°	98.1
150°	83.5
152.5°	72.6
155°	61.8
157.5°	52.7
160°	41.8
162.5°	32.7
165°	23.6
167.5°	16.3
170°	10.9
172.5°	5.4
175°	3.6
177.5°	5.4
180°	5.4

(END OF REPORT)