

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: P588374

Luminaire Tested: **ARC-CA6-110-722-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588374
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-CA6-110-722-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12284 lumens
Efficiency: N/A
Efficacy: 109.5 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

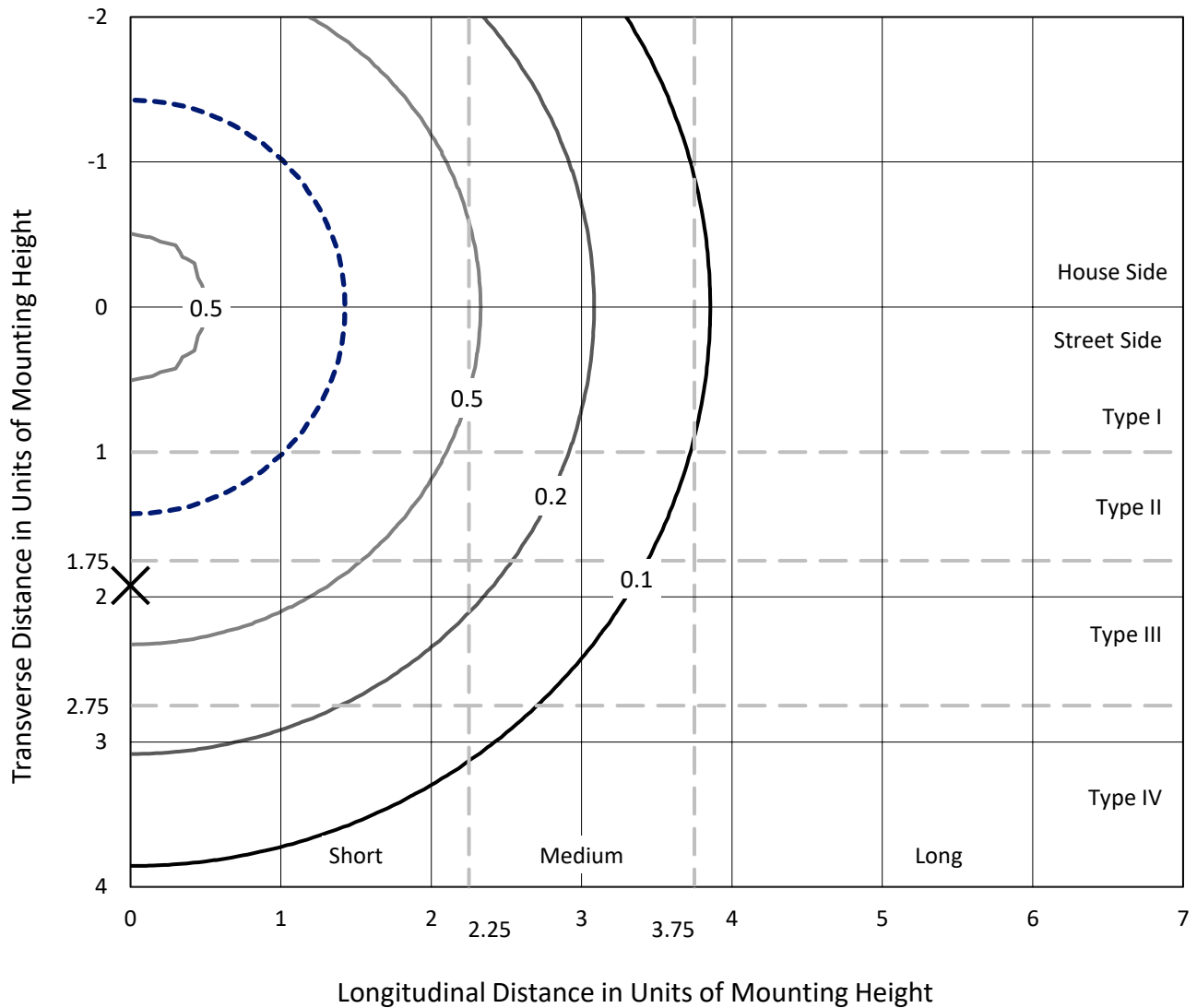
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

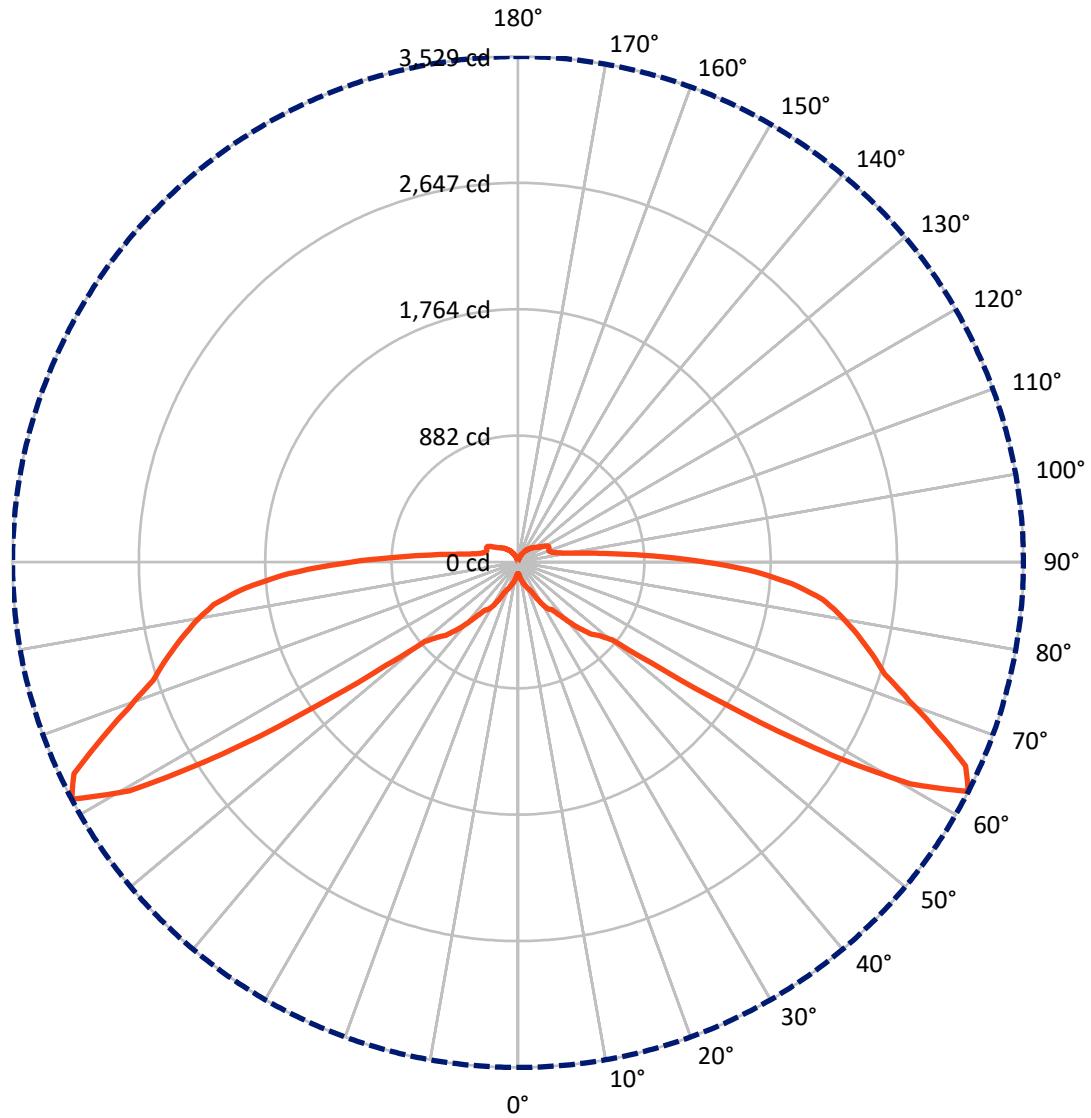
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1 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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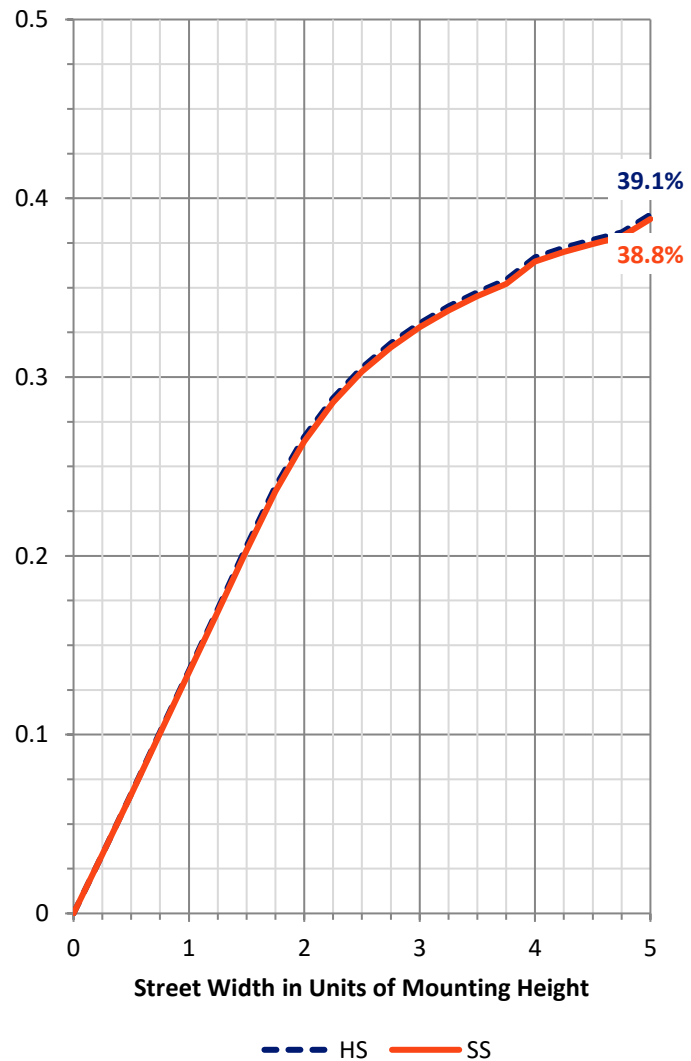
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5332.2	809.8	6142.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5332.2	809.8	6142.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	10664.3	1619.7	12284.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	46.6	0.4
20°-30°	121.0	1.0
30°-40°	272.2	2.2
40°-50°	549.9	4.5
50°-60°	1674.7	13.6
60°-70°	3258.3	26.5
70°-80°	2705.7	22.0
80°-90°	2025.7	16.5
90°-100°	741.9	6.0
100°-110°	279.3	2.3
110°-120°	232.9	1.9
120°-130°	164.0	1.3
130°-140°	106.3	0.9
140°-150°	61.5	0.5
150°-160°	26.6	0.2
160°-170°	6.7	0.1
170°-180°	0.5	0.0
0°-90°	10664.3	86.8
0°-180°	12284.0	100.0



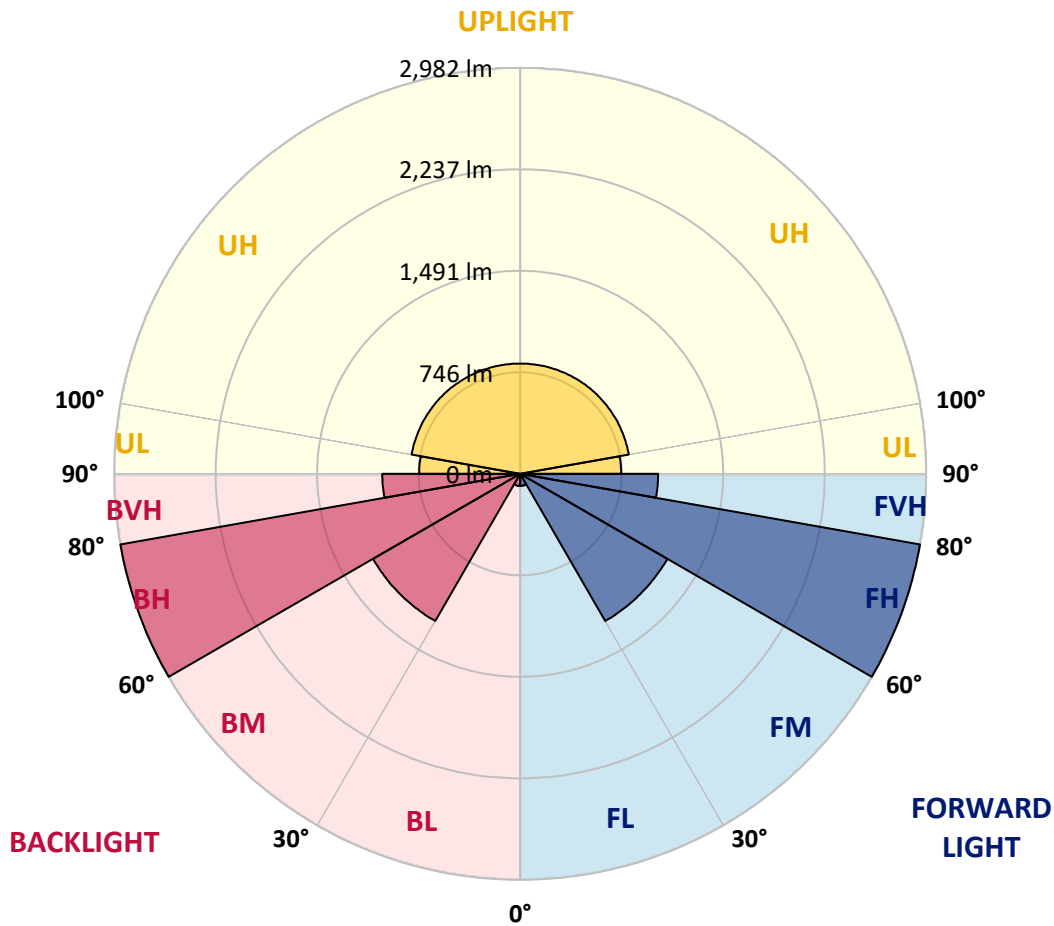
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.9	0.7			
FM (30°-60°)	1248.4	10.2			
FH (60°-80°)	2982.0	24.3			G2/5000
FVH (80°-90°)	1012.9	8.2			G5
BL (0°-30°)	88.9	0.7	B0/110		
BM (30°-60°)	1248.4	10.2	B2/2500		
BH (60°-80°)	2982.0	24.3	B4/5000		G2/5000
BVH (80°-90°)	1012.9	8.2			G5
UL (90°-100°)	741.9	6.0		U4/1000	
UH (100°-180°)	809.8	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	81.9
2.5°	83.5
5°	93.3
7.5°	111.3
10°	127.7
12.5°	144.1
15°	160.5
17.5°	176.8
20°	196.5
22.5°	211.2
25°	242.3
27.5°	298.0
30°	353.7
32.5°	391.3
35°	407.7
37.5°	468.3
40°	550.2
42.5°	635.3
45°	717.2
47.5°	769.6
50°	854.7
52.5°	1172.4
55°	1739.0
57.5°	2462.7
60°	3147.2
62.5°	3528.7
65°	3433.7
67.5°	3157.0
70°	2896.6
72.5°	2677.2
75°	2549.5
77.5°	2420.1
80°	2287.5
82.5°	2145.0
85°	1915.8
87.5°	1611.2
90°	1231.4
92.5°	877.7
95°	610.8
97.5°	442.1
100°	338.9
102.5°	281.6
105°	252.2
107.5°	235.8
110°	230.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	234.2
115°	240.7
117.5°	237.4
120°	221.1
122.5°	196.5
125°	178.5
127.5°	165.4
130°	155.6
132.5°	145.7
135°	137.5
137.5°	127.7
140°	116.3
142.5°	106.4
145°	98.2
147.5°	88.4
150°	75.3
152.5°	65.5
155°	55.7
157.5°	47.5
160°	37.7
162.5°	29.5
165°	21.3
167.5°	14.7
170°	9.8
172.5°	4.9
175°	3.3
177.5°	4.9
180°	4.9

(END OF REPORT)