

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: P588350

Luminaire Tested: **ARC-CA6-100-722-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588350
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-CA6-100-722-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: 11542.9 lumens
Efficiency: N/A
Efficacy: 111.3 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

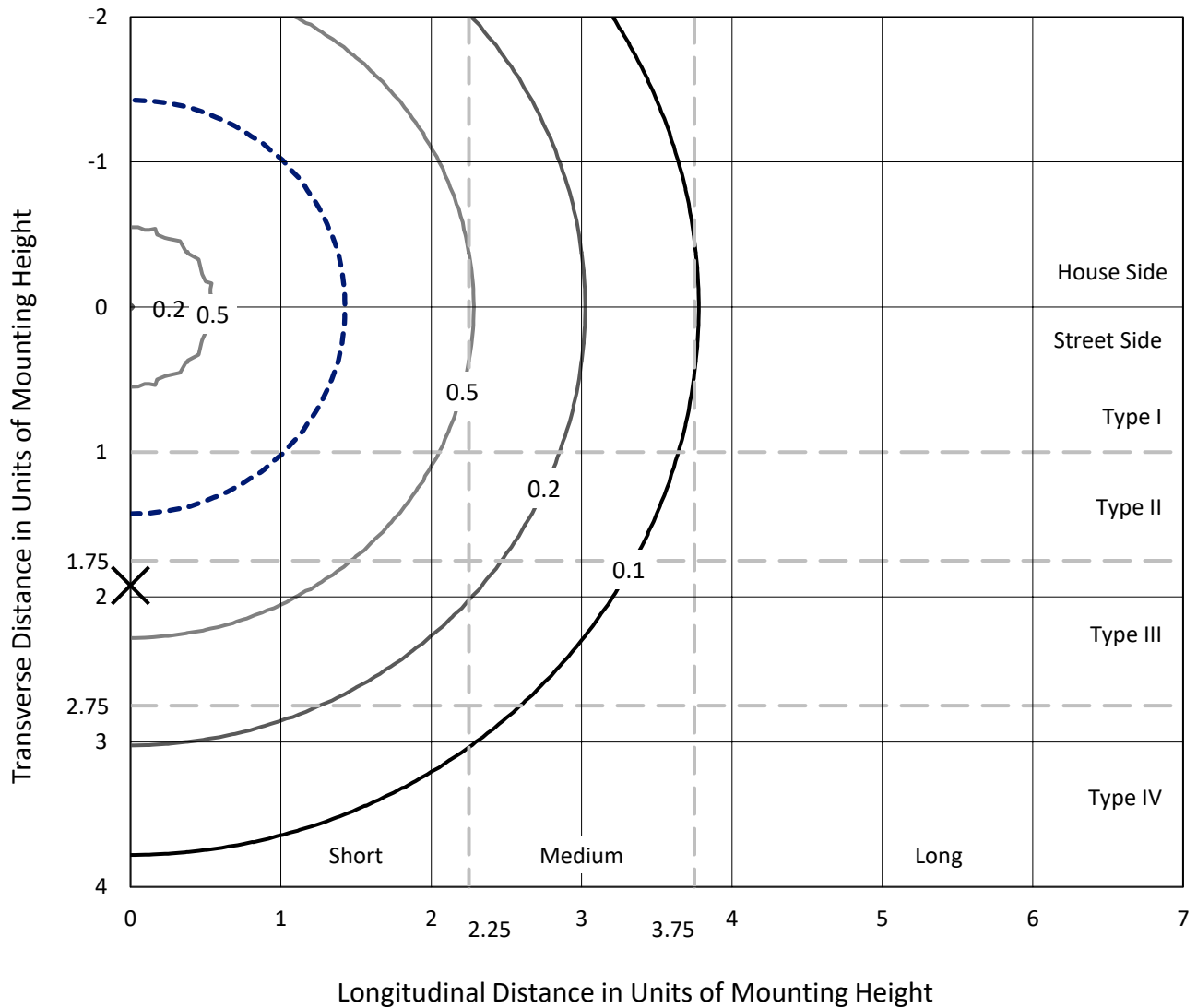
Input Watts (W): 103.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

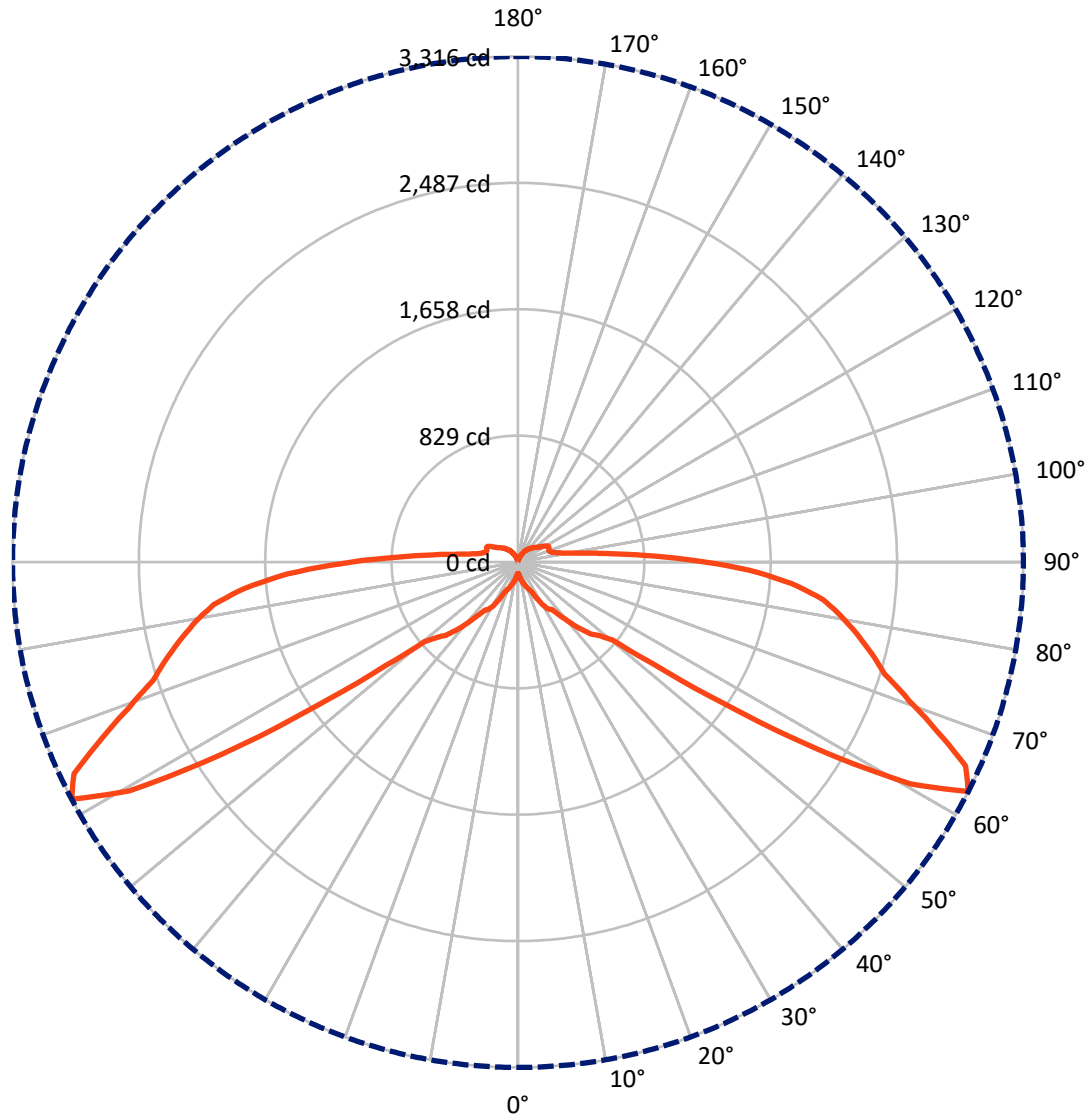
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.9 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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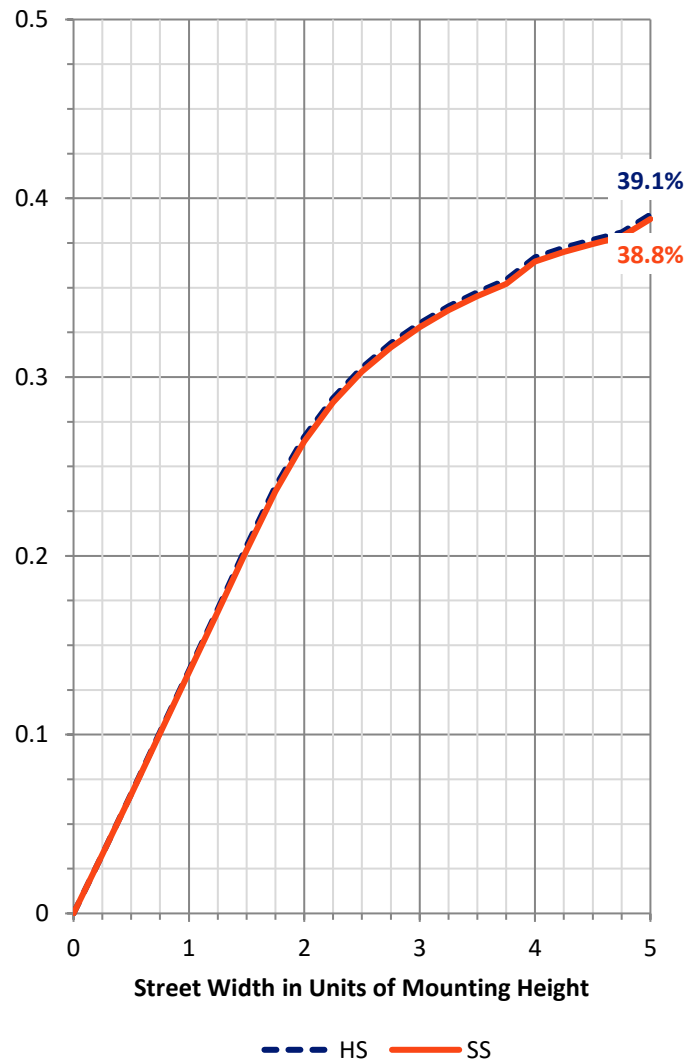
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5010.5	760.9	5771.4
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5010.5	760.9	5771.4
	% Fixture	43.4	6.6	50.0
Total	Lumens	10021.0	1521.9	11542.9
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	43.8	0.4
20°-30°	113.7	1.0
30°-40°	255.8	2.2
40°-50°	516.8	4.5
50°-60°	1573.7	13.6
60°-70°	3061.8	26.5
70°-80°	2542.5	22.0
80°-90°	1903.5	16.5
90°-100°	697.1	6.0
100°-110°	262.4	2.3
110°-120°	218.8	1.9
120°-130°	154.1	1.3
130°-140°	99.9	0.9
140°-150°	57.8	0.5
150°-160°	24.9	0.2
160°-170°	6.3	0.1
170°-180°	0.5	0.0
0°-90°	10021.0	86.8
0°-180°	11542.9	100.0

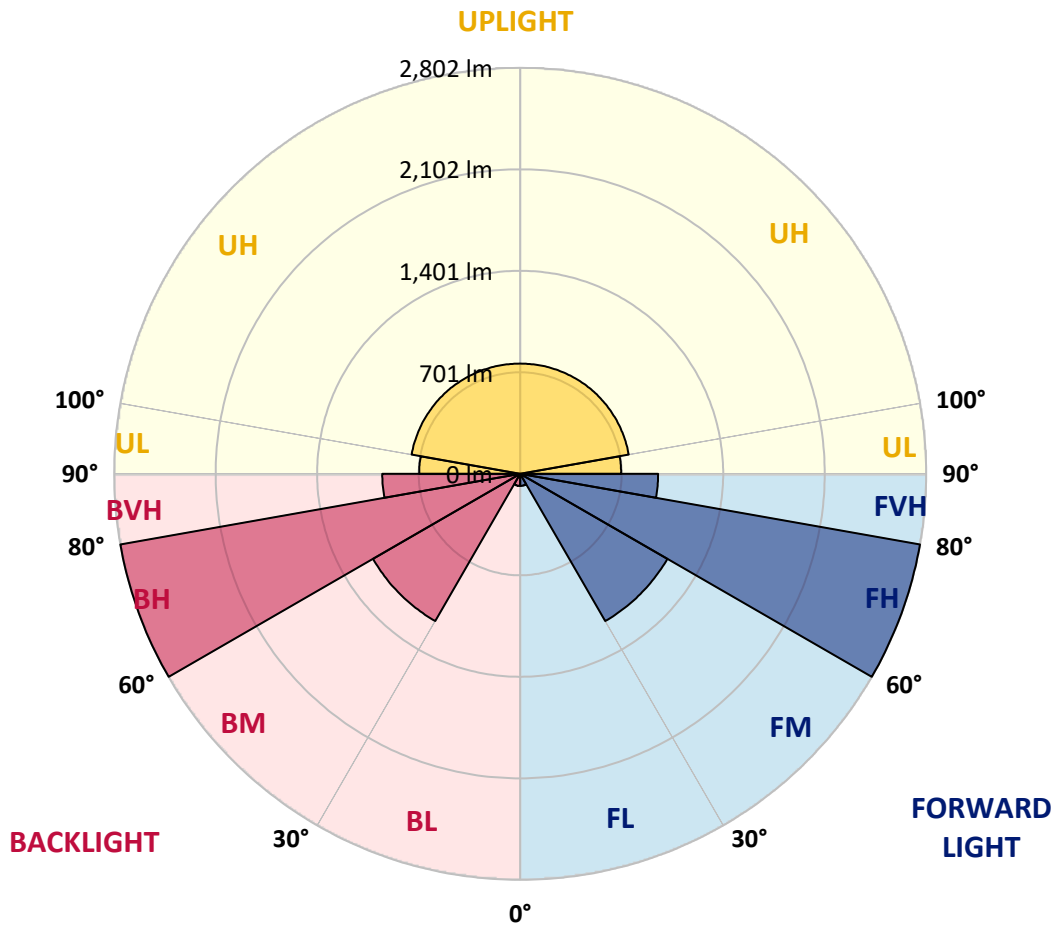


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	83.5	0.7			
FM (30°-60°)	1173.1	10.2			
FH (60°-80°)	2802.1	24.3			G2/5000
FVH (80°-90°)	951.7	8.2			G5
BL (0°-30°)	83.5	0.7	B0/110		
BM (30°-60°)	1173.1	10.2	B2/2500		
BH (60°-80°)	2802.1	24.3	B4/5000		G2/5000
BVH (80°-90°)	951.7	8.2			G5
UL (90°-100°)	697.1	6.0		U4/1000	
UH (100°-180°)	760.9	6.6		U4/1000	

BUG Rating: B4-U4-G5
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	76.9
2.5°	78.5
5°	87.7
7.5°	104.6
10°	120.0
12.5°	135.4
15°	150.8
17.5°	166.2
20°	184.6
22.5°	198.5
25°	227.7
27.5°	280.0
30°	332.4
32.5°	367.7
35°	383.1
37.5°	440.1
40°	517.0
42.5°	597.0
45°	673.9
47.5°	723.2
50°	803.2
52.5°	1101.7
55°	1634.1
57.5°	2314.1
60°	2957.3
62.5°	3315.8
65°	3226.6
67.5°	2966.5
70°	2721.9
72.5°	2515.7
75°	2395.7
77.5°	2274.1
80°	2149.5
82.5°	2015.6
85°	1800.2
87.5°	1514.0
90°	1157.1
92.5°	824.7
95°	573.9
97.5°	415.4
100°	318.5
102.5°	264.6
105°	237.0
107.5°	221.6
110°	217.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	220.0
115°	226.2
117.5°	223.1
120°	207.7
122.5°	184.6
125°	167.7
127.5°	155.4
130°	146.2
132.5°	136.9
135°	129.2
137.5°	120.0
140°	109.2
142.5°	100.0
145°	92.3
147.5°	83.1
150°	70.8
152.5°	61.5
155°	52.3
157.5°	44.6
160°	35.4
162.5°	27.7
165°	20.0
167.5°	13.8
170°	9.2
172.5°	4.6
175°	3.1
177.5°	4.6
180°	4.6

(END OF REPORT)