

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: P588470

Luminaire Tested: **ARC-CA6-60-722-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588470
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-CA6-60-722-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: 7419.9 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U4 - G4

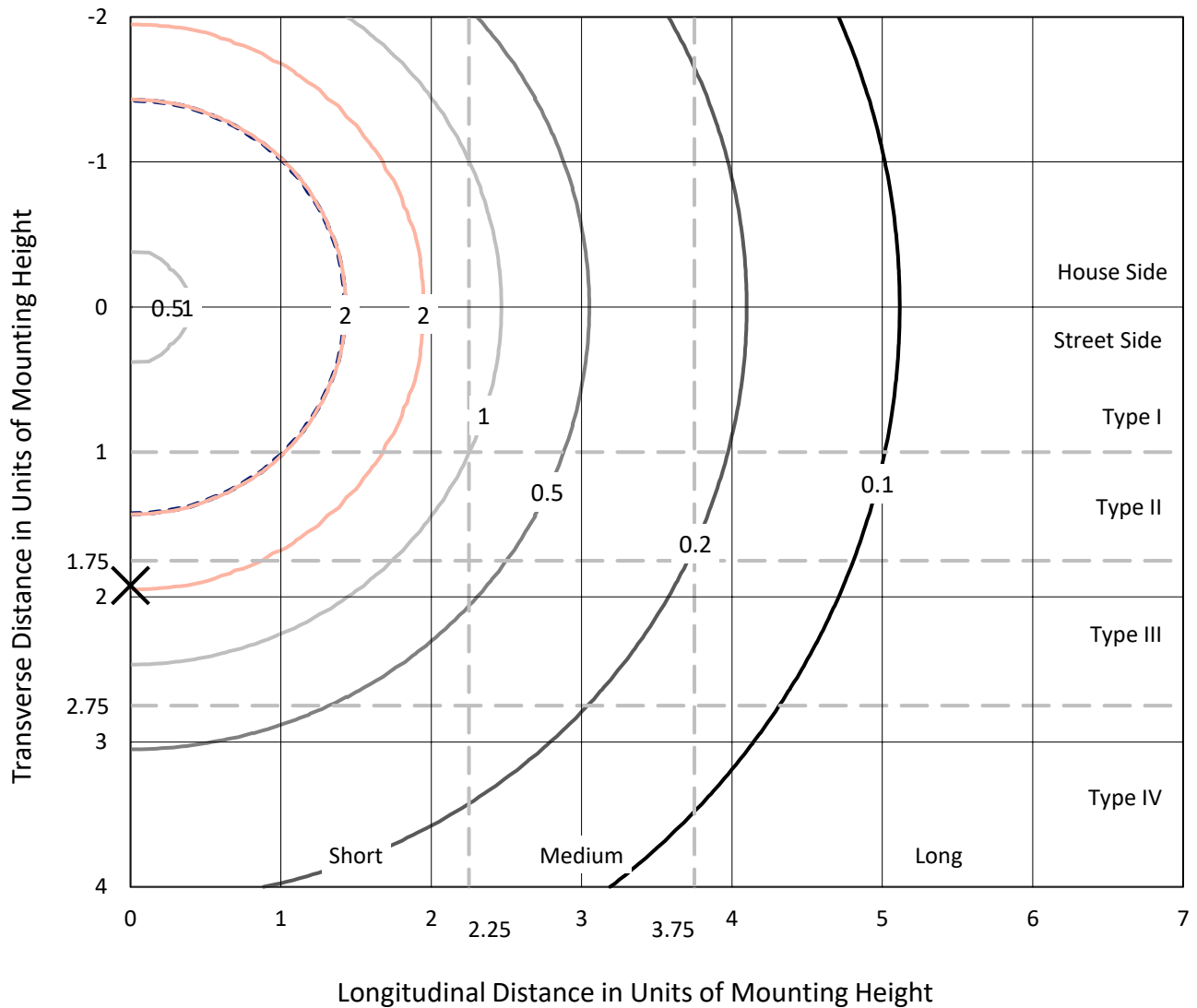
Input Watts (W): 64.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

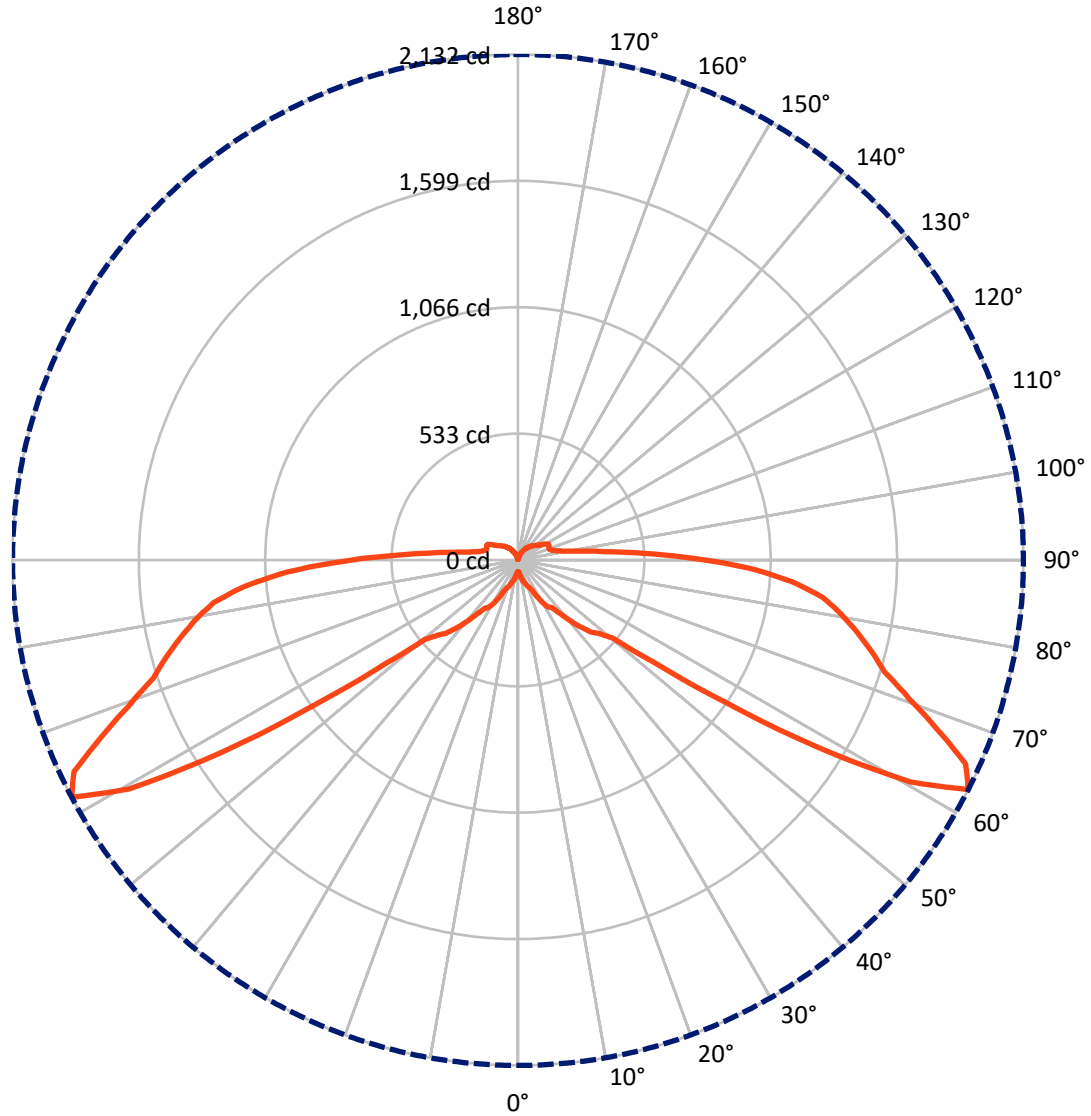
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 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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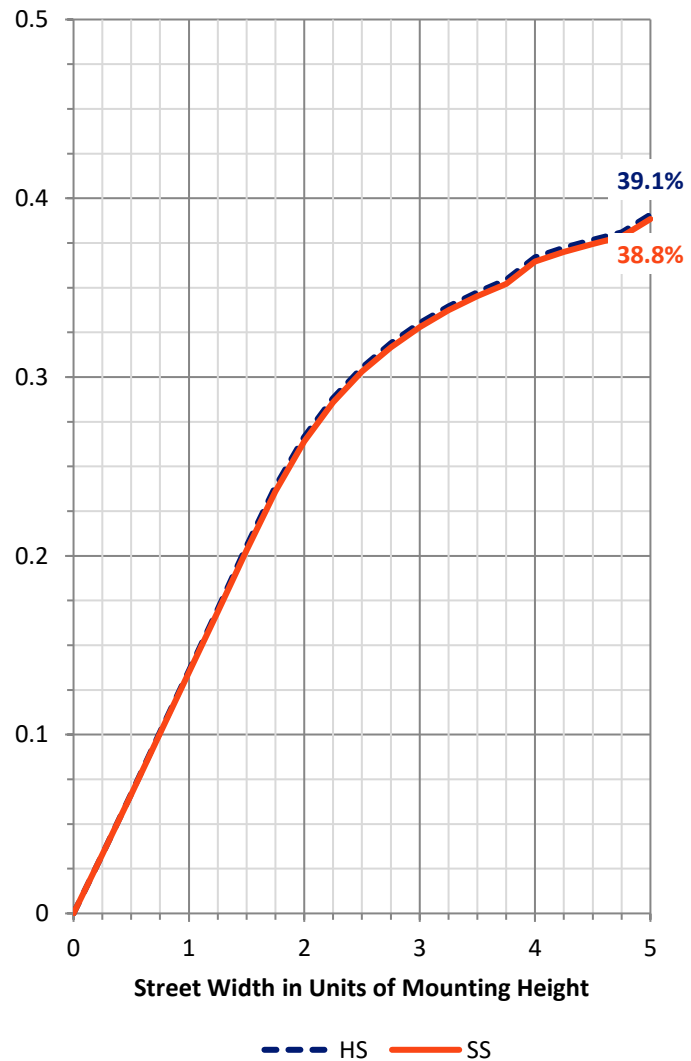
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3220.9	489.1	3710.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3220.9	489.1	3710.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	6441.7	978.2	7419.9
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	28.1	0.4
20°-30°	73.1	1.0
30°-40°	164.4	2.2
40°-50°	332.2	4.5
50°-60°	1011.6	13.6
60°-70°	1968.2	26.5
70°-80°	1634.4	22.0
80°-90°	1223.6	16.5
90°-100°	448.1	6.0
100°-110°	168.7	2.3
110°-120°	140.6	1.9
120°-130°	99.1	1.3
130°-140°	64.2	0.9
140°-150°	37.2	0.5
150°-160°	16.0	0.2
160°-170°	4.1	0.1
170°-180°	0.3	0.0
0°-90°	6441.7	86.8
0°-180°	7419.9	100.0



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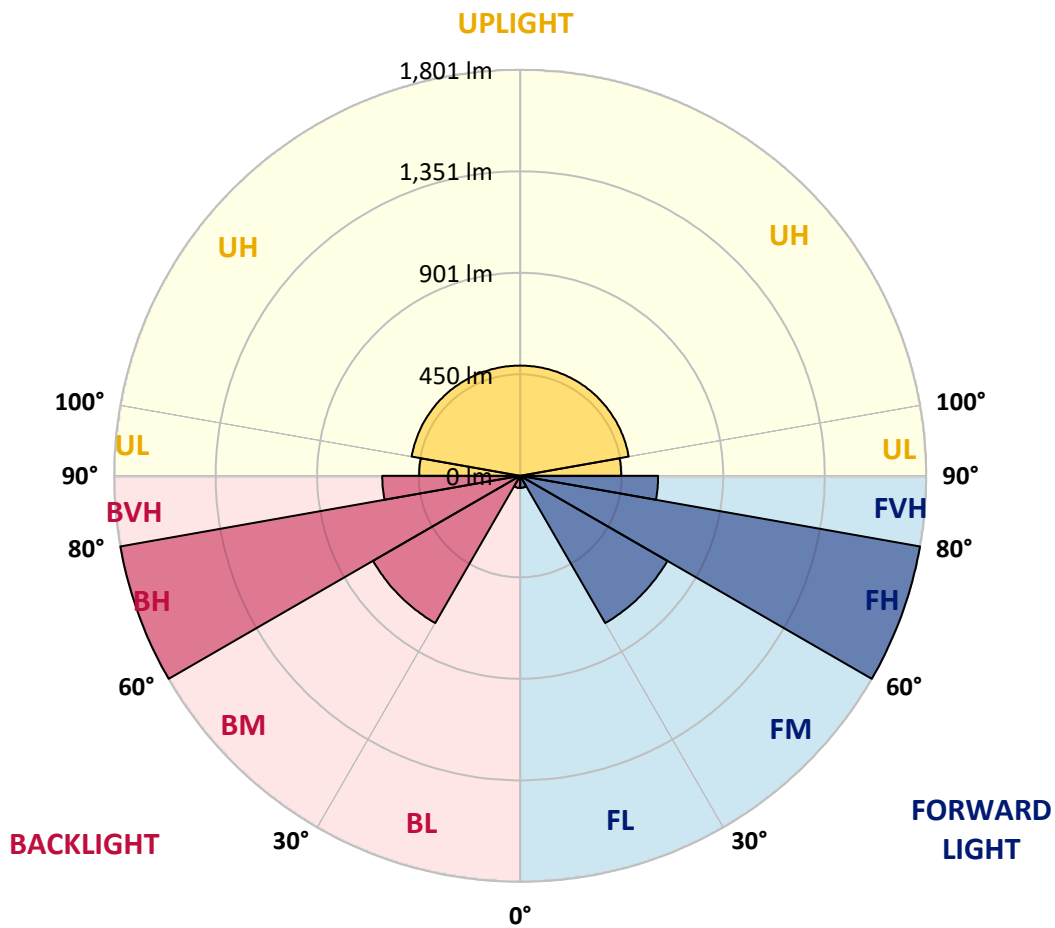
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.7	0.7			
FM (30°-60°)	754.1	10.2			
FH (60°-80°)	1801.3	24.3			G2/5000
FVH (80°-90°)	611.8	8.2			G4/750
BL (0°-30°)	53.7	0.7	B0/110		
BM (30°-60°)	754.1	10.2	B1/1000		
BH (60°-80°)	1801.3	24.3	B3/2500		G2/5000
BVH (80°-90°)	611.8	8.2			G4/750
UL (90°-100°)	448.1	6.0		U3/500	
UH (100°-180°)	489.1	6.6		U3/500	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	49.5
2.5°	50.4
5°	56.4
7.5°	67.3
10°	77.1
12.5°	87.0
15°	96.9
17.5°	106.8
20°	118.7
22.5°	127.6
25°	146.4
27.5°	180.0
30°	213.6
32.5°	236.4
35°	246.3
37.5°	282.9
40°	332.3
42.5°	383.8
45°	433.2
47.5°	464.9
50°	516.3
52.5°	708.2
55°	1050.4
57.5°	1487.6
60°	1901.0
62.5°	2131.5
65°	2074.1
67.5°	1906.9
70°	1749.7
72.5°	1617.1
75°	1540.0
77.5°	1461.9
80°	1381.7
82.5°	1295.7
85°	1157.2
87.5°	973.2
90°	743.8
92.5°	530.1
95°	368.9
97.5°	267.0
100°	204.7
102.5°	170.1
105°	152.3
107.5°	142.4
110°	139.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.4
115°	145.4
117.5°	143.4
120°	133.5
122.5°	118.7
125°	107.8
127.5°	99.9
130°	94.0
132.5°	88.0
135°	83.1
137.5°	77.1
140°	70.2
142.5°	64.3
145°	59.3
147.5°	53.4
150°	45.5
152.5°	39.6
155°	33.6
157.5°	28.7
160°	22.7
162.5°	17.8
165°	12.9
167.5°	8.9
170°	5.9
172.5°	3.0
175°	2.0
177.5°	3.0
180°	3.0

(END OF REPORT)