

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: P588462

Luminaire Tested: **ARC-CA6-50-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588462
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-CA6-50-750-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7641 lumens
Efficiency: N/A
Efficacy: 141.5 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

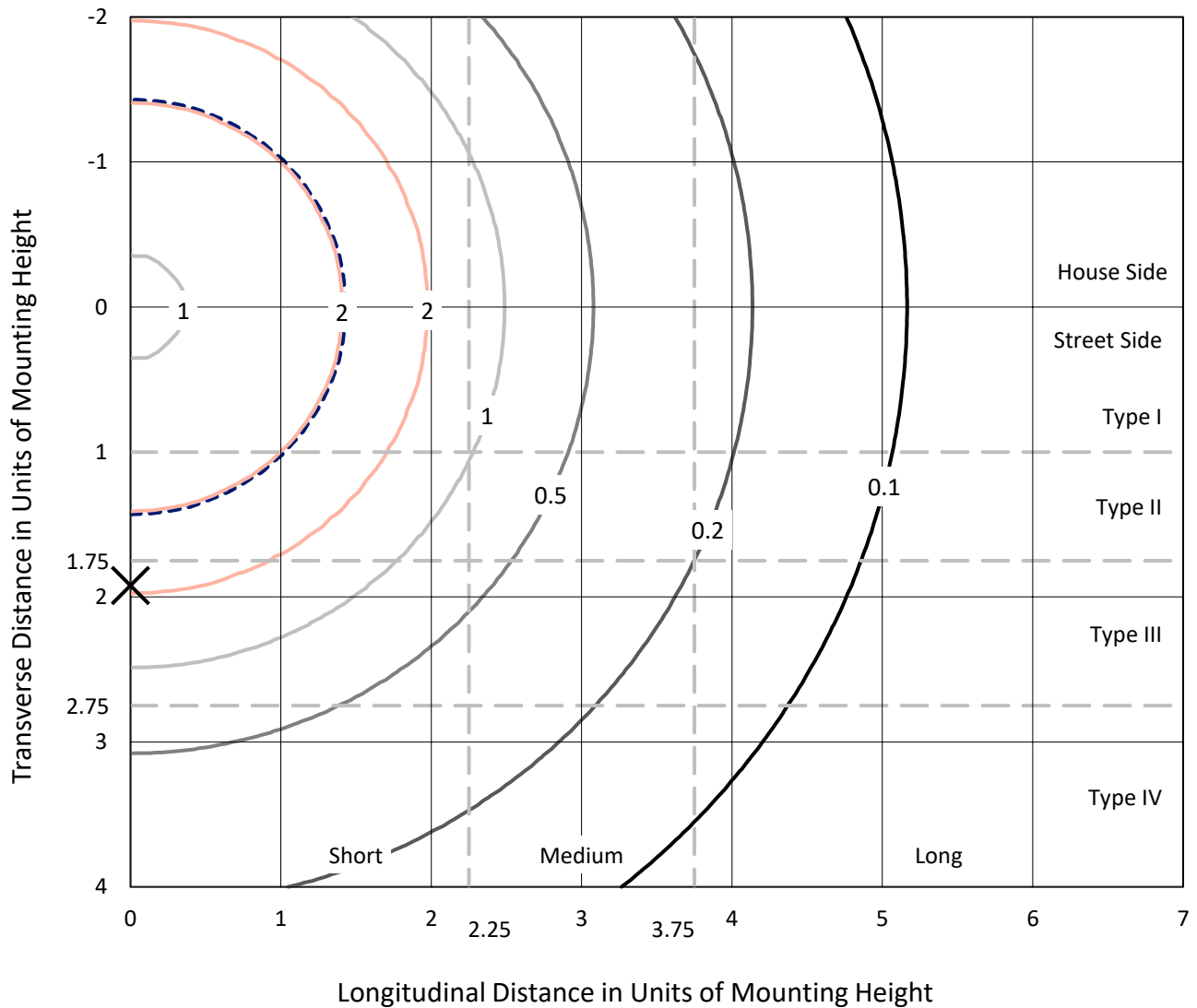
Input Watts (W): 54
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

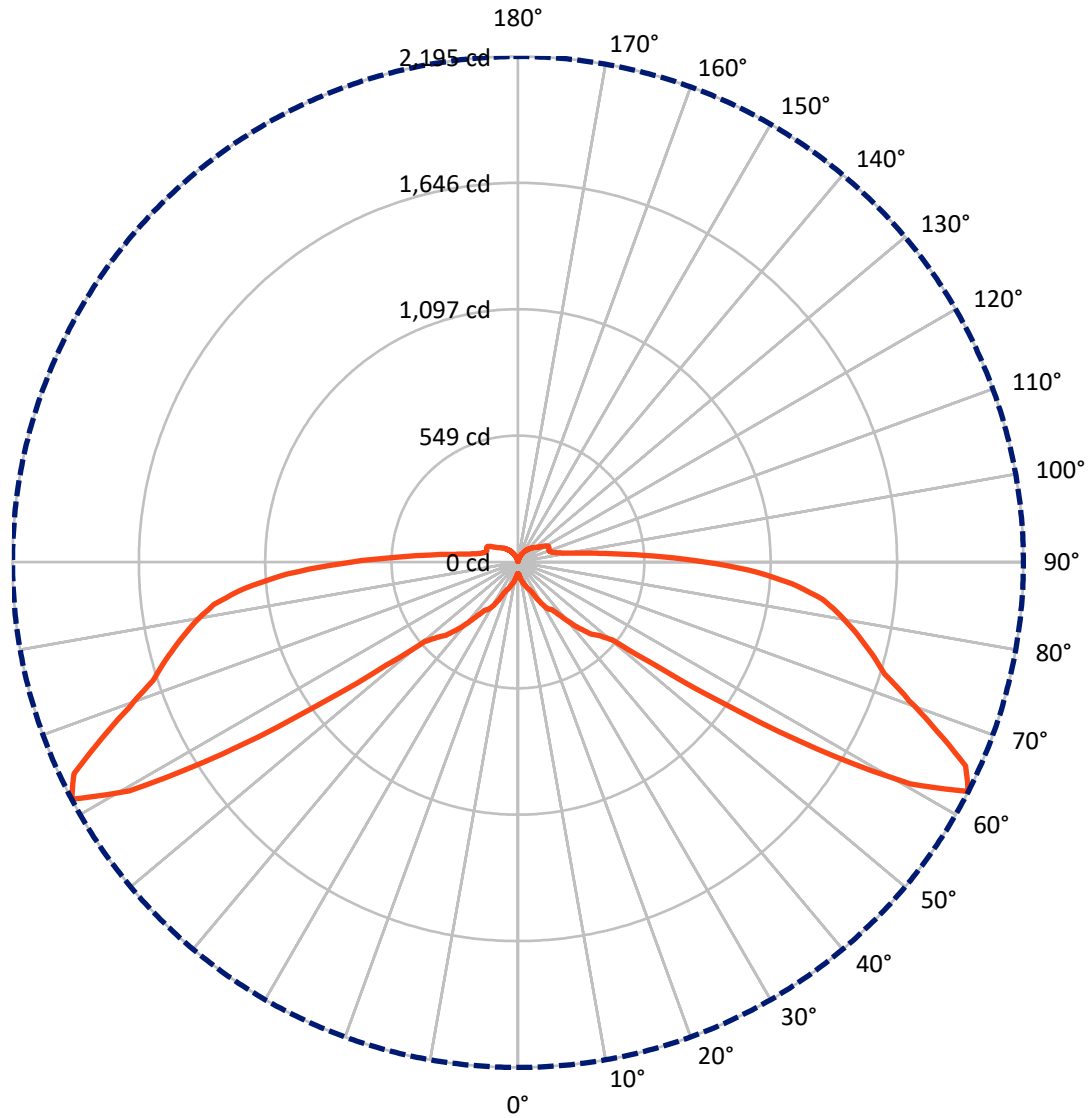
✕ Max cd
 - - - 1/2 Max cd



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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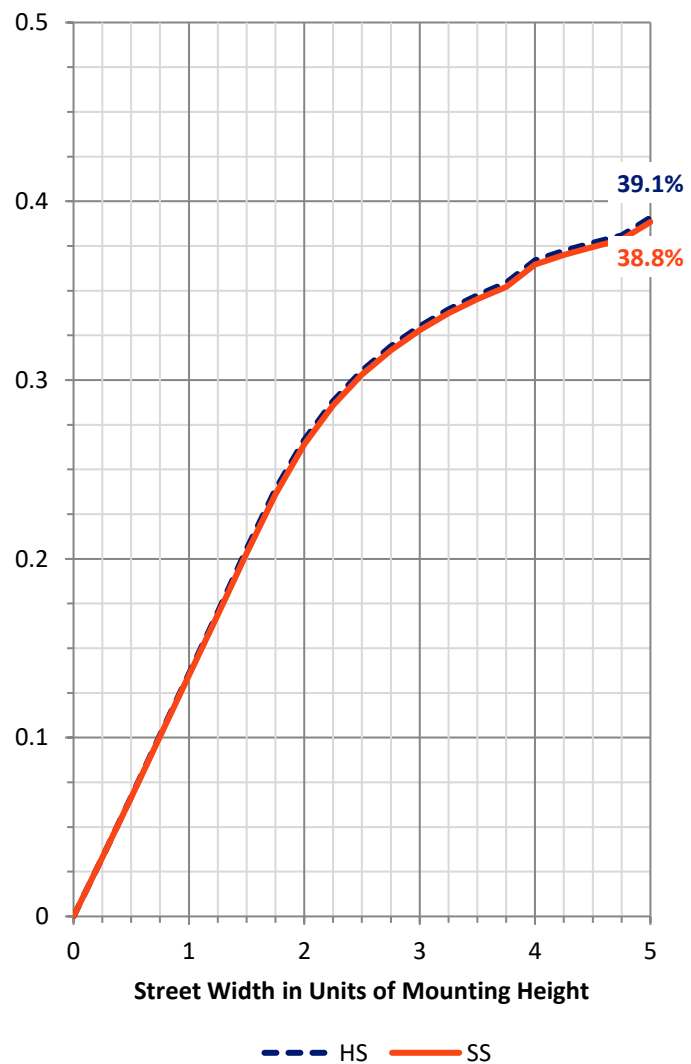
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3316.8	503.7	3820.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3316.8	503.7	3820.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	6633.5	1007.4	7641.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	29.0	0.4
20°-30°	75.3	1.0
30°-40°	169.3	2.2
40°-50°	342.1	4.5
50°-60°	1041.7	13.6
60°-70°	2026.8	26.5
70°-80°	1683.1	22.0
80°-90°	1260.1	16.5
90°-100°	461.4	6.0
100°-110°	173.7	2.3
110°-120°	144.9	1.9
120°-130°	102.0	1.3
130°-140°	66.1	0.9
140°-150°	38.3	0.5
150°-160°	16.5	0.2
160°-170°	4.2	0.1
170°-180°	0.3	0.0
0°-90°	6633.5	86.8
0°-180°	7641.0	100.0

Coefficient of Utilization



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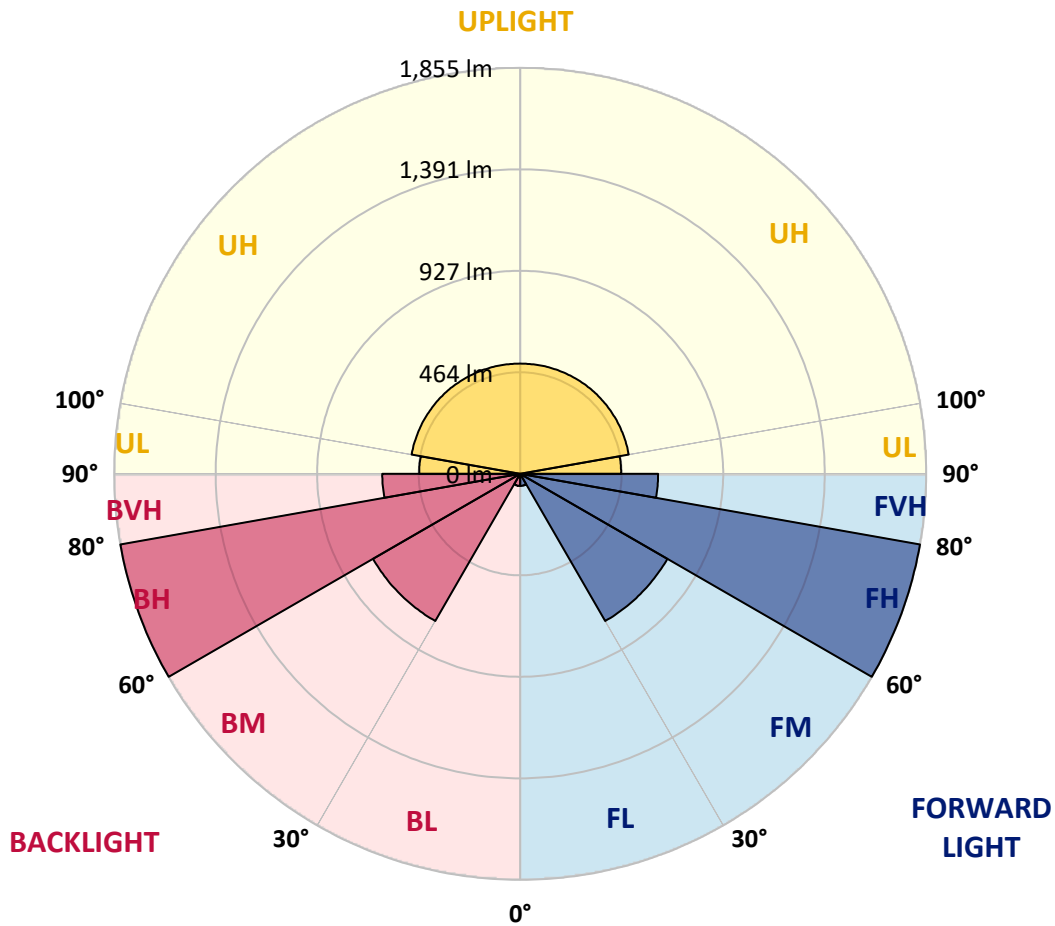
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	55.3	0.7			
FM (30°-60°)	776.6	10.2			
FH (60°-80°)	1854.9	24.3			G2/5000
FVH (80°-90°)	630.0	8.2			G4/750
BL (0°-30°)	55.3	0.7	B0/110		
BM (30°-60°)	776.6	10.2	B1/1000		
BH (60°-80°)	1854.9	24.3	B3/2500		G2/5000
BVH (80°-90°)	630.0	8.2			G4/750
UL (90°-100°)	461.4	6.0		U3/500	
UH (100°-180°)	503.7	6.6		U4/1000	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	50.9
2.5°	51.9
5°	58.1
7.5°	69.3
10°	79.4
12.5°	89.6
15°	99.8
17.5°	110.0
20°	122.2
22.5°	131.4
25°	150.7
27.5°	185.4
30°	220.0
32.5°	243.4
35°	253.6
37.5°	291.3
40°	342.2
42.5°	395.2
45°	446.1
47.5°	478.7
50°	531.7
52.5°	729.3
55°	1081.7
57.5°	1531.9
60°	1957.6
62.5°	2194.9
65°	2135.9
67.5°	1963.7
70°	1801.8
72.5°	1665.3
75°	1585.9
77.5°	1505.4
80°	1422.9
82.5°	1334.3
85°	1191.7
87.5°	1002.2
90°	765.9
92.5°	545.9
95°	379.9
97.5°	275.0
100°	210.8
102.5°	175.2
105°	156.9
107.5°	146.7
110°	143.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.7
115°	149.7
117.5°	147.7
120°	137.5
122.5°	122.2
125°	111.0
127.5°	102.9
130°	96.8
132.5°	90.6
135°	85.6
137.5°	79.4
140°	72.3
142.5°	66.2
145°	61.1
147.5°	55.0
150°	46.9
152.5°	40.7
155°	34.6
157.5°	29.5
160°	23.4
162.5°	18.3
165°	13.2
167.5°	9.2
170°	6.1
172.5°	3.1
175°	2.0
177.5°	3.1
180°	3.1

(END OF REPORT)