

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: P588510

Luminaire Tested: **ARC-CA6-70-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588510
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-CA6-70-750-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: 10249.9 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U4 - G5

Input Watts (W): 73.9
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



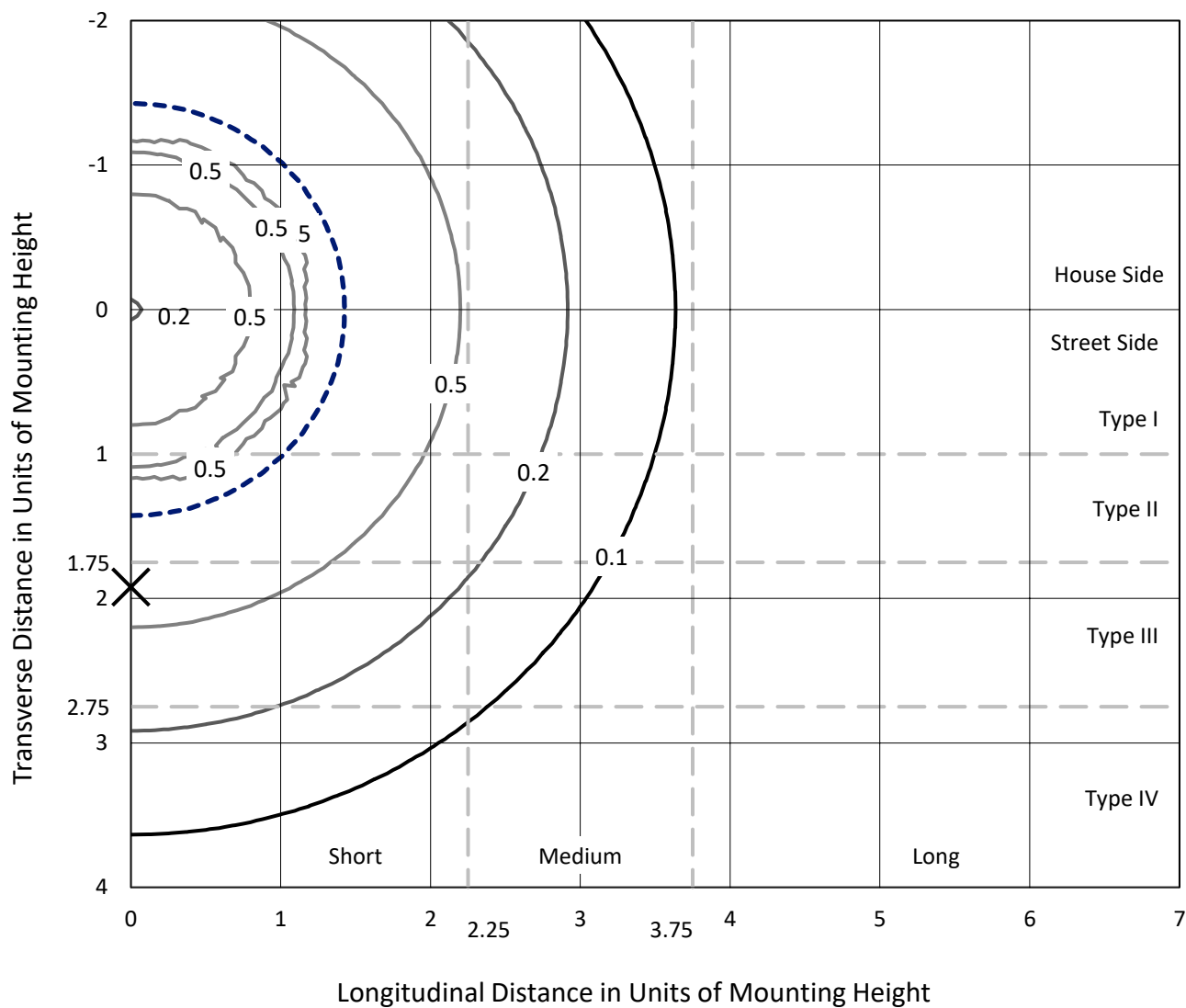
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

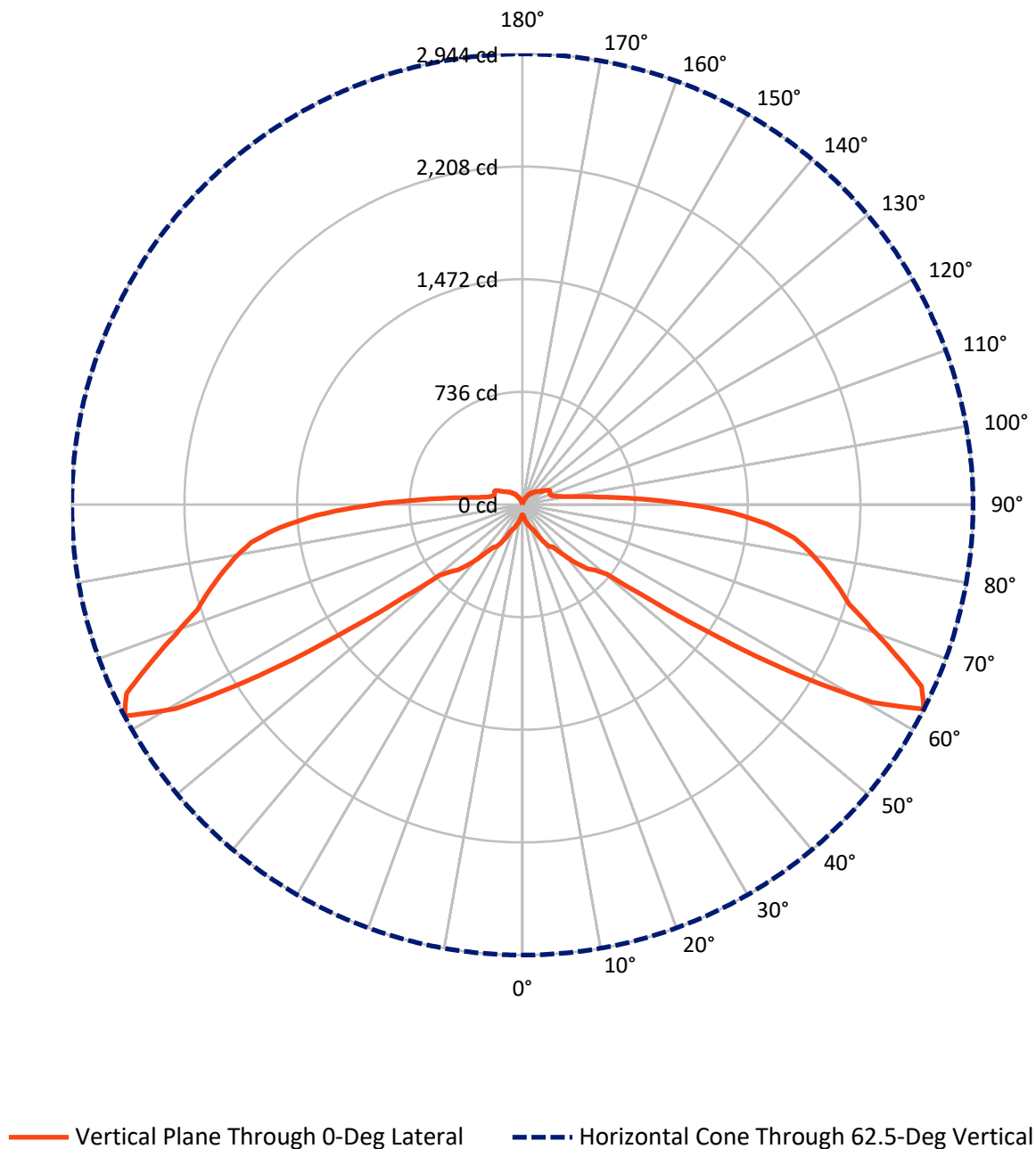


Based on 20 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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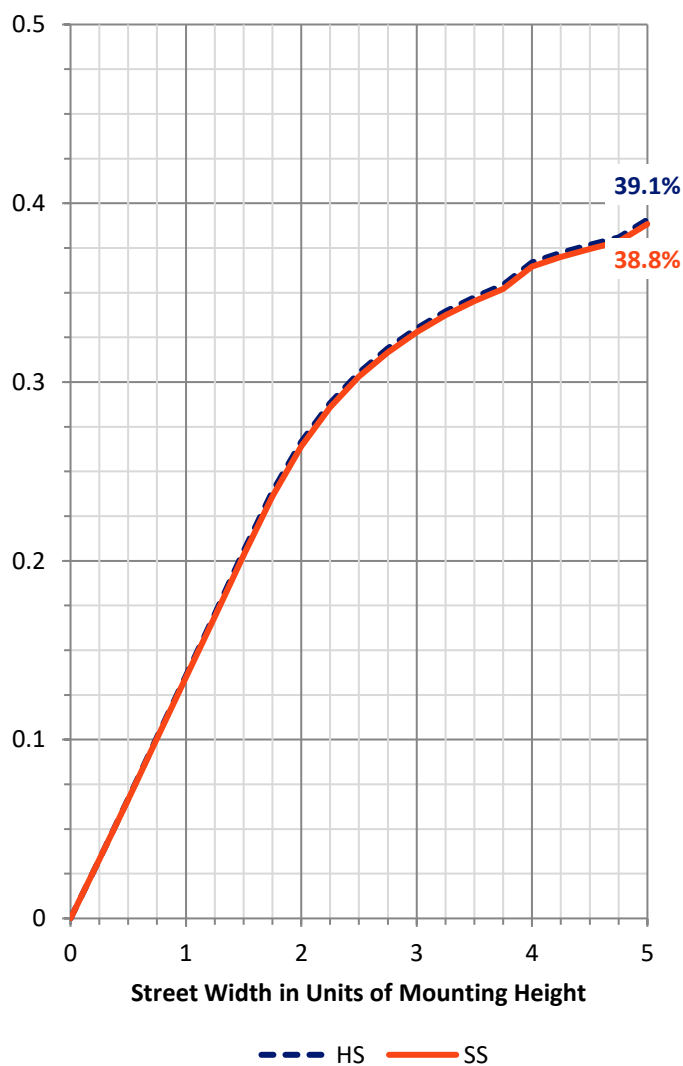
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4449.3	675.7	5125.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4449.3	675.7	5125.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	8898.5	1351.4	10249.9
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	38.9	0.4
20°-30°	101.0	1.0
30°-40°	227.1	2.2
40°-50°	458.9	4.5
50°-60°	1397.4	13.6
60°-70°	2718.8	26.5
70°-80°	2257.7	22.0
80°-90°	1690.3	16.5
90°-100°	619.0	6.0
100°-110°	233.0	2.3
110°-120°	194.3	1.9
120°-130°	136.8	1.3
130°-140°	88.7	0.9
140°-150°	51.4	0.5
150°-160°	22.2	0.2
160°-170°	5.6	0.1
170°-180°	0.4	0.0
0°-90°	8898.5	86.8
0°-180°	10249.9	100.0

Coefficient of Utilization



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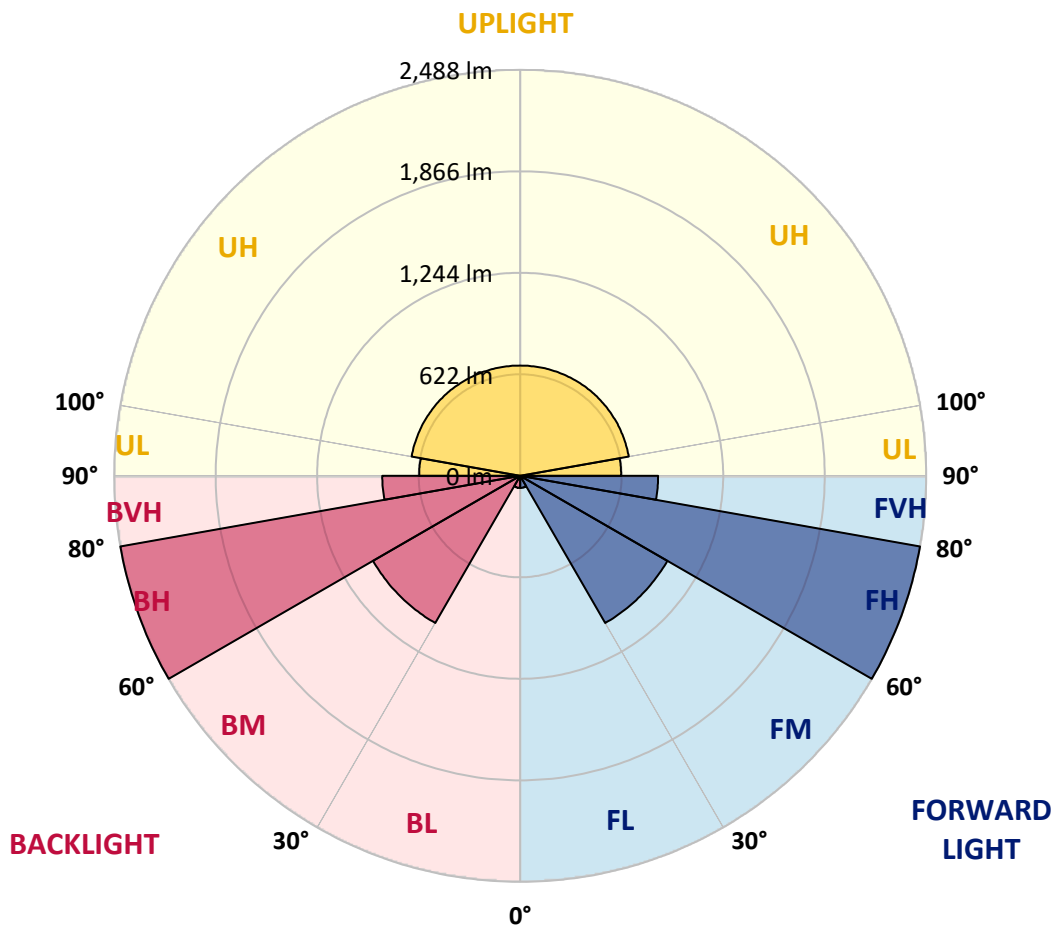
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.1	0.7			
FM	(30°-60°)	1041.7	10.2			
FH	(60°-80°)	2488.2	24.3			G2/5000
FVH	(80°-90°)	845.2	8.2			G5
BL	(0°-30°)	74.1	0.7	B0/110		
BM	(30°-60°)	1041.7	10.2	B2/2500		
BH	(60°-80°)	2488.2	24.3	B3/2500		G2/5000
BVH	(80°-90°)	845.2	8.2			G5
UL	(90°-100°)	619.0	6.0		U4/1000	
UH	(100°-180°)	675.7	6.6		U4/1000	

BUG Rating: B3-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	68.3
2.5°	69.7
5°	77.9
7.5°	92.9
10°	106.6
12.5°	120.2
15°	133.9
17.5°	147.6
20°	164.0
22.5°	176.3
25°	202.2
27.5°	248.7
30°	295.1
32.5°	326.5
35°	340.2
37.5°	390.8
40°	459.1
42.5°	530.1
45°	598.4
47.5°	642.2
50°	713.2
52.5°	978.3
55°	1451.0
57.5°	2054.9
60°	2626.0
62.5°	2944.4
65°	2865.1
67.5°	2634.2
70°	2417.0
72.5°	2233.9
75°	2127.3
77.5°	2019.4
80°	1908.7
82.5°	1789.9
85°	1598.6
87.5°	1344.4
90°	1027.5
92.5°	732.3
95°	509.6
97.5°	368.9
100°	282.8
102.5°	235.0
105°	210.4
107.5°	196.7
110°	192.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	195.4
115°	200.8
117.5°	198.1
120°	184.5
122.5°	164.0
125°	148.9
127.5°	138.0
130°	129.8
132.5°	121.6
135°	114.8
137.5°	106.6
140°	97.0
142.5°	88.8
145°	82.0
147.5°	73.8
150°	62.9
152.5°	54.7
155°	46.5
157.5°	39.6
160°	31.4
162.5°	24.6
165°	17.8
167.5°	12.3
170°	8.2
172.5°	4.1
175°	2.7
177.5°	4.1
180°	4.1

(END OF REPORT)