

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: P588466

Luminaire Tested: **ARC-CA6-50-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588466
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-CA6-50-760-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7479 lumens
Efficiency: N/A
Efficacy: 138.5 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



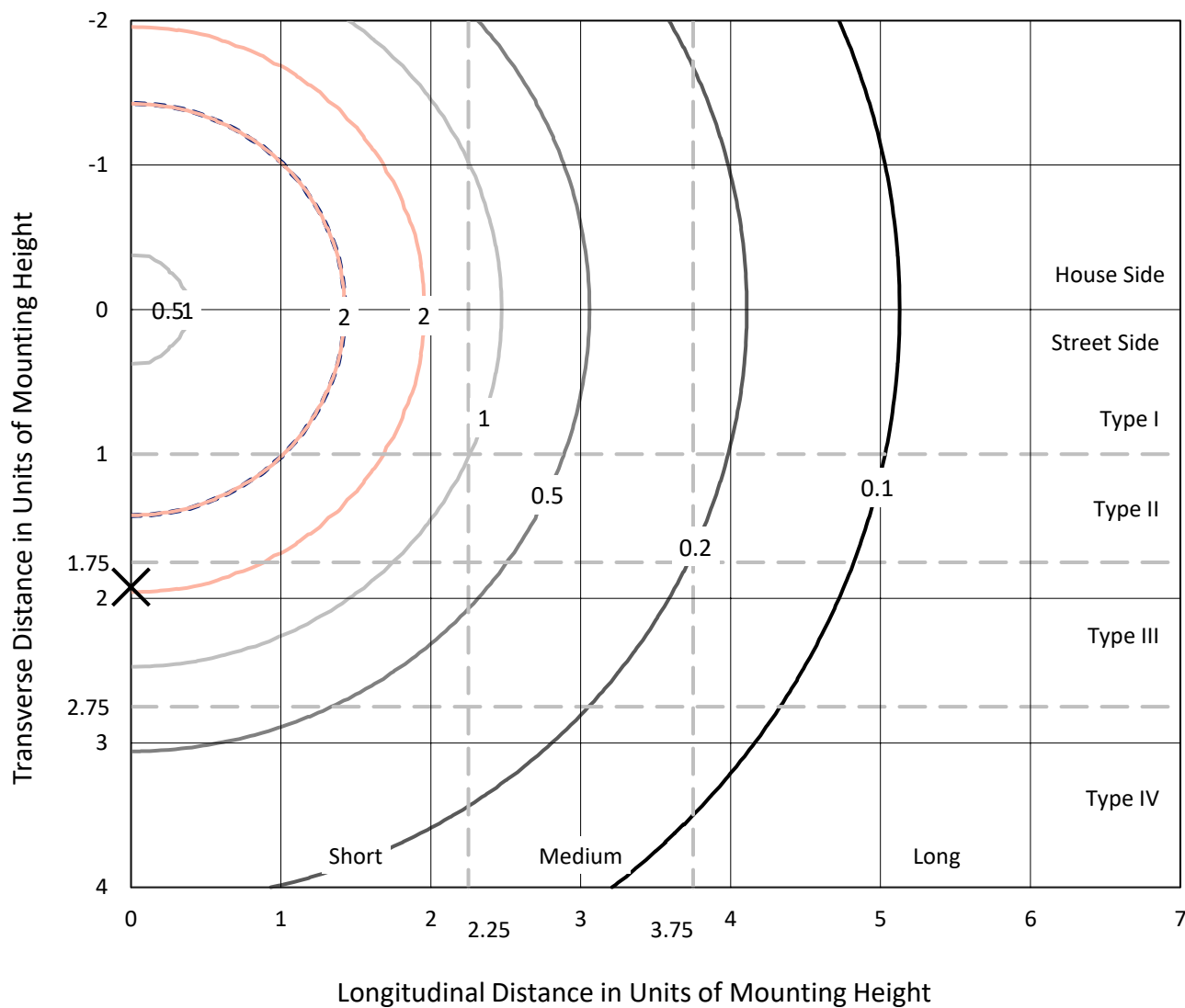
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

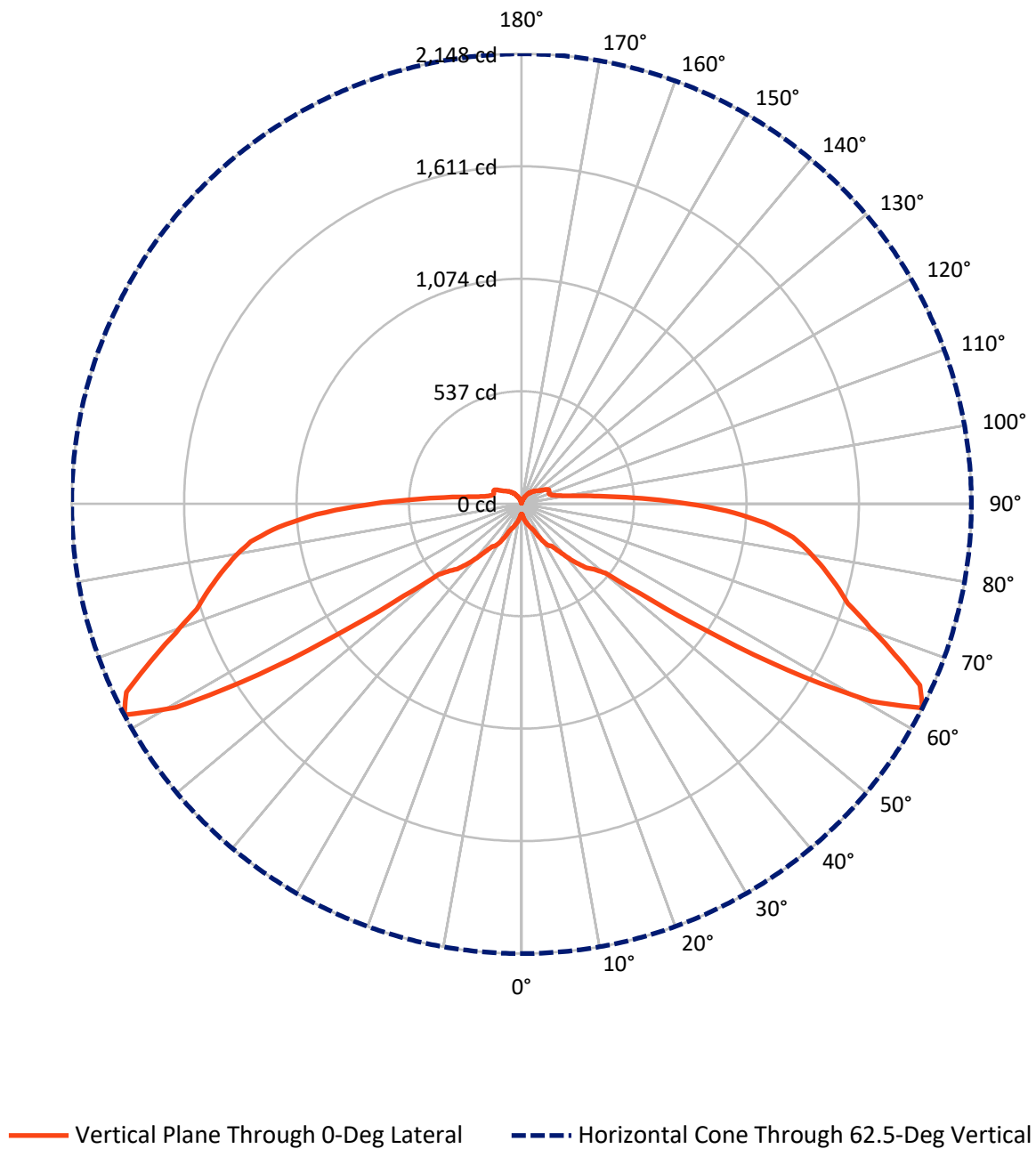


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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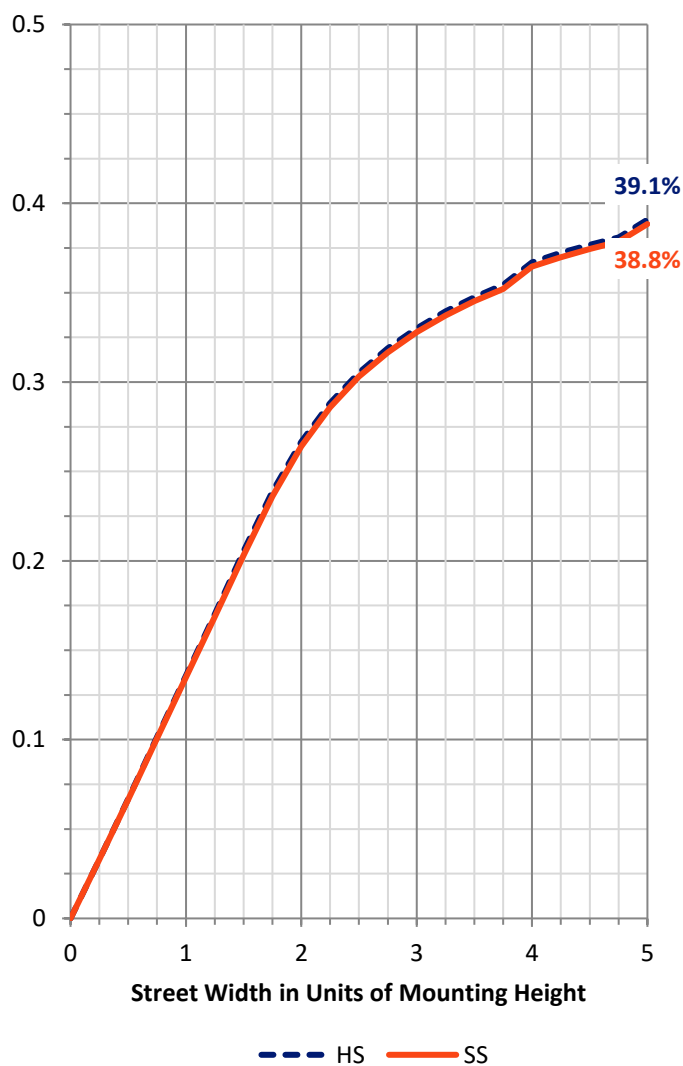
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3246.4	493.1	3739.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3246.4	493.1	3739.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	6492.9	986.2	7479.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	28.4	0.4
20°-30°	73.7	1.0
30°-40°	165.7	2.2
40°-50°	334.8	4.5
50°-60°	1019.6	13.6
60°-70°	1983.8	26.5
70°-80°	1647.4	22.0
80°-90°	1233.3	16.5
90°-100°	451.7	6.0
100°-110°	170.1	2.3
110°-120°	141.8	1.9
120°-130°	99.8	1.3
130°-140°	64.7	0.9
140°-150°	37.5	0.5
150°-160°	16.2	0.2
160°-170°	4.1	0.1
170°-180°	0.3	0.0
0°-90°	6492.9	86.8
0°-180°	7479.0	100.0

Coefficient of Utilization



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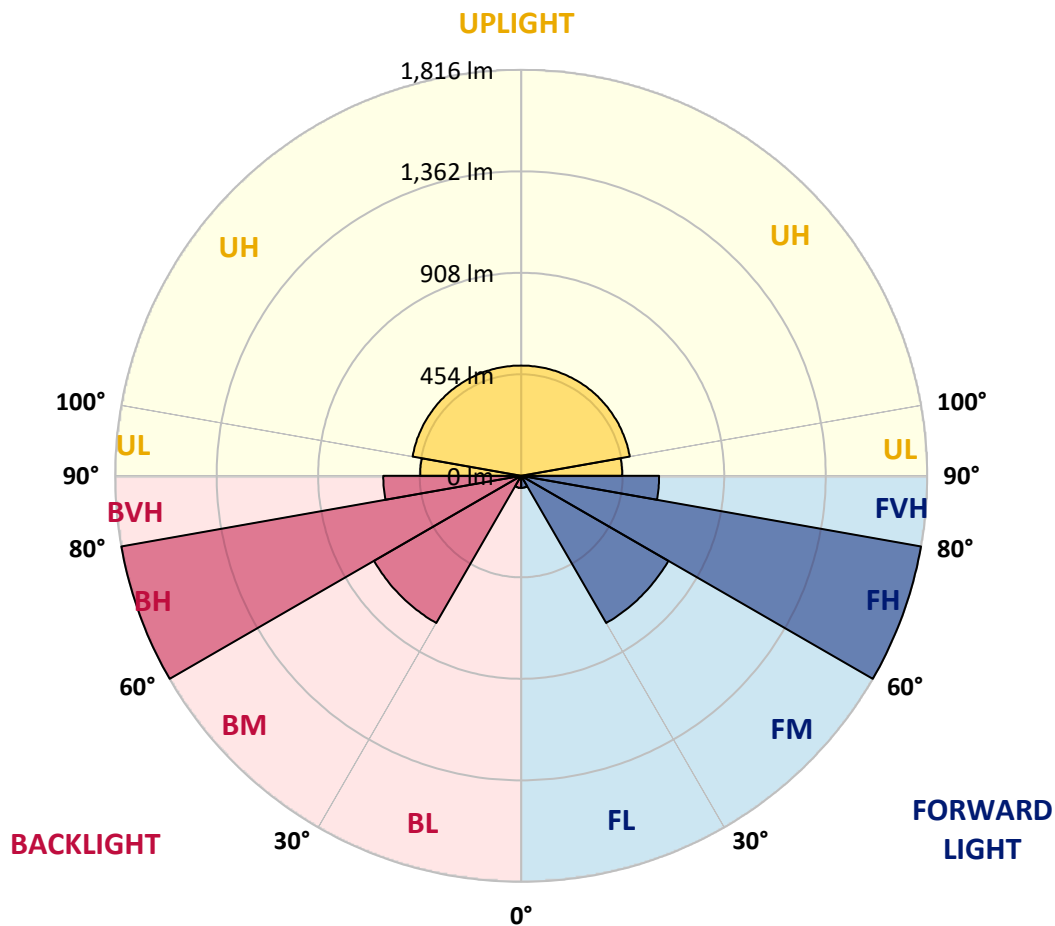
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.1	0.7			
FM	(30°-60°)	760.1	10.2			
FH	(60°-80°)	1815.6	24.3			G2/5000
FVH	(80°-90°)	616.7	8.2			G4/750
BL	(0°-30°)	54.1	0.7	B0/110		
BM	(30°-60°)	760.1	10.2	B1/1000		
BH	(60°-80°)	1815.6	24.3	B3/2500		G2/5000
BVH	(80°-90°)	616.7	8.2			G4/750
UL	(90°-100°)	451.7	6.0		U3/500	
UH	(100°-180°)	493.1	6.6		U3/500	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	49.8
2.5°	50.8
5°	56.8
7.5°	67.8
10°	77.8
12.5°	87.7
15°	97.7
17.5°	107.7
20°	119.6
22.5°	128.6
25°	147.5
27.5°	181.4
30°	215.3
32.5°	238.3
35°	248.2
37.5°	285.1
40°	335.0
42.5°	386.8
45°	436.7
47.5°	468.6
50°	520.4
52.5°	713.8
55°	1058.7
57.5°	1499.4
60°	1916.1
62.5°	2148.4
65°	2090.6
67.5°	1922.1
70°	1763.6
72.5°	1630.0
75°	1552.2
77.5°	1473.5
80°	1392.7
82.5°	1306.0
85°	1166.4
87.5°	981.0
90°	749.7
92.5°	534.4
95°	371.9
97.5°	269.2
100°	206.4
102.5°	171.5
105°	153.5
107.5°	143.6
110°	140.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.6
115°	146.5
117.5°	144.6
120°	134.6
122.5°	119.6
125°	108.7
127.5°	100.7
130°	94.7
132.5°	88.7
135°	83.7
137.5°	77.8
140°	70.8
142.5°	64.8
145°	59.8
147.5°	53.8
150°	45.9
152.5°	39.9
155°	33.9
157.5°	28.9
160°	22.9
162.5°	17.9
165°	13.0
167.5°	9.0
170°	6.0
172.5°	3.0
175°	2.0
177.5°	3.0
180°	3.0

(END OF REPORT)