

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: P588450

Luminaire Tested: **ARC-CA6-50-727-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588450
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-CA6-50-727-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7015 lumens
Efficiency: N/A
Efficacy: 129.9 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



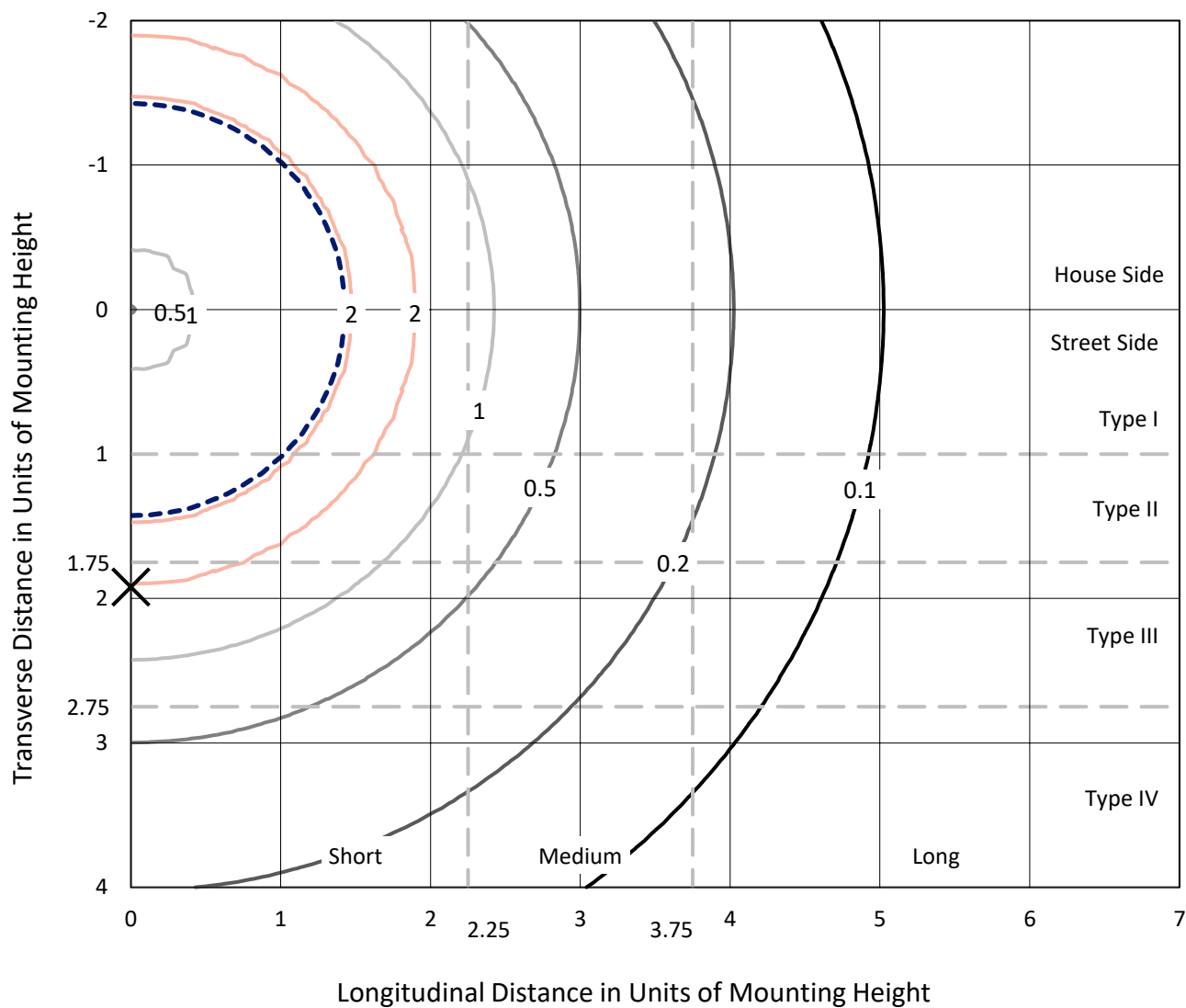
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

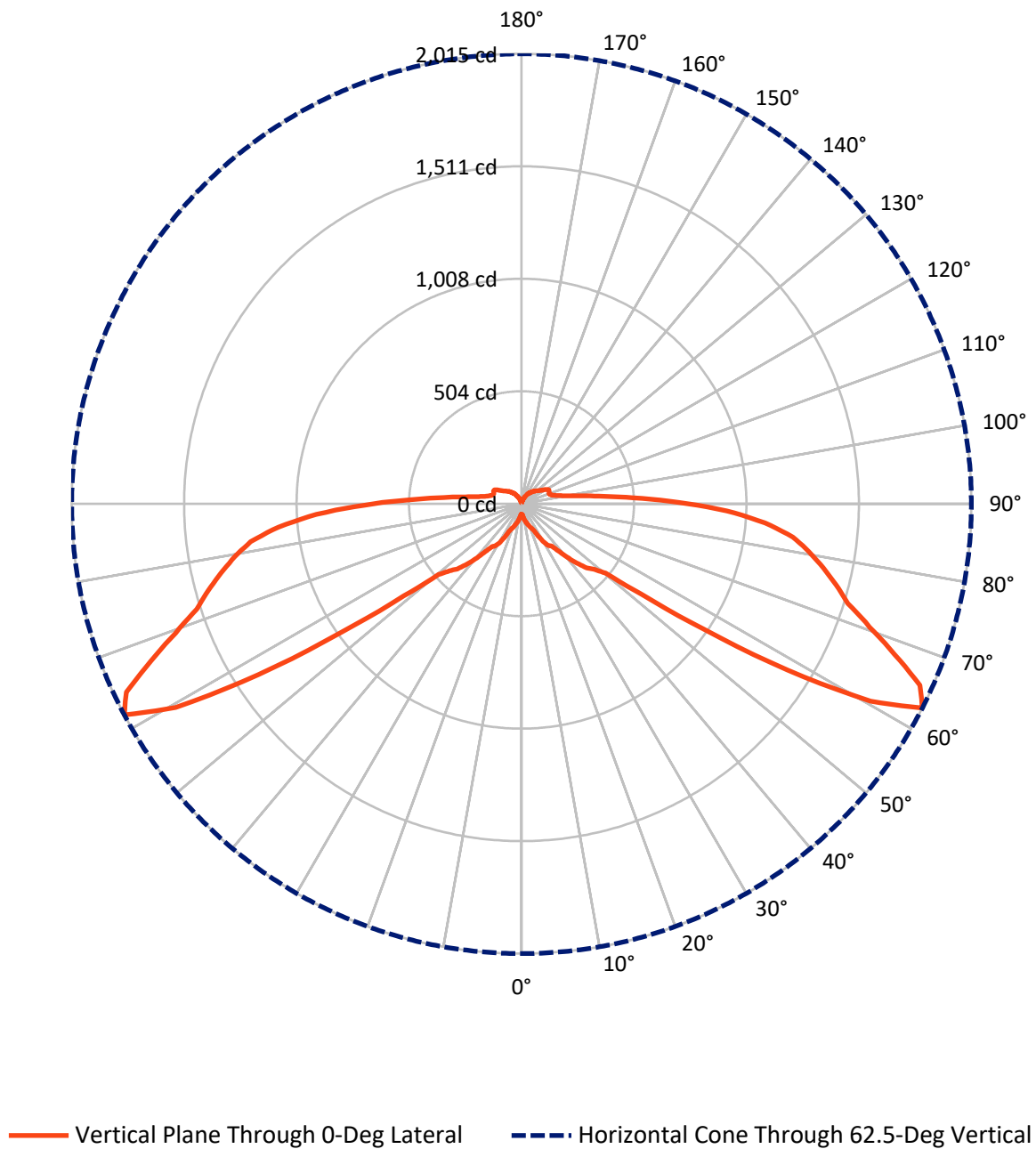


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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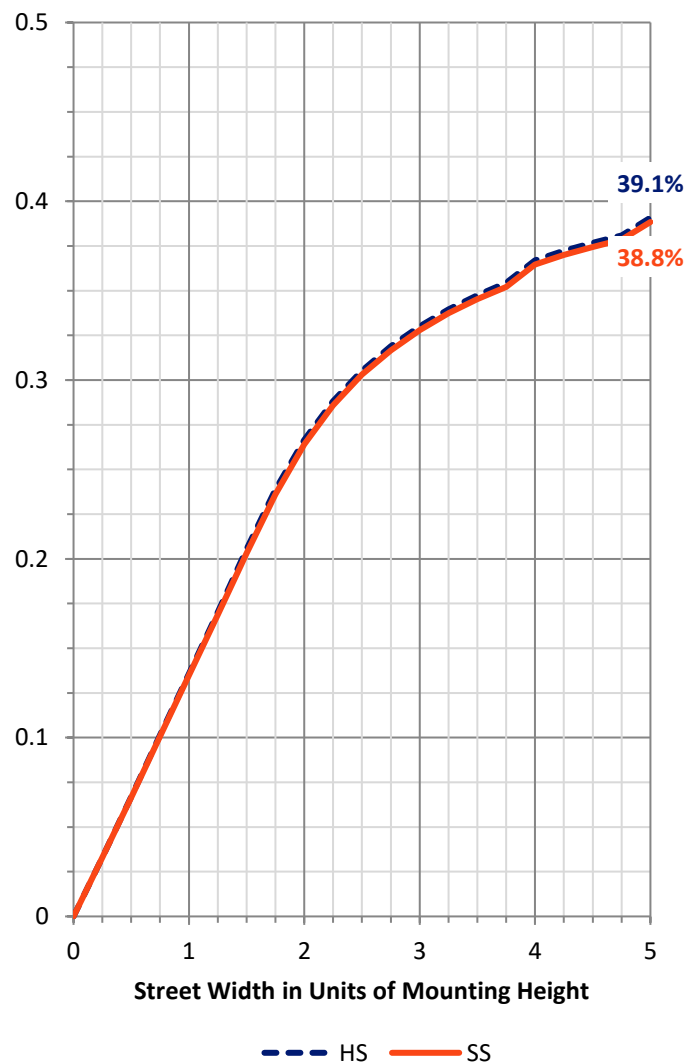
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3045.0	462.4	3507.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3045.0	462.4	3507.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	6090.1	924.9	7015.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	26.6	0.4
20°-30°	69.1	1.0
30°-40°	155.4	2.2
40°-50°	314.1	4.5
50°-60°	956.4	13.6
60°-70°	1860.7	26.5
70°-80°	1545.2	22.0
80°-90°	1156.8	16.5
90°-100°	423.7	6.0
100°-110°	159.5	2.3
110°-120°	133.0	1.9
120°-130°	93.6	1.3
130°-140°	60.7	0.9
140°-150°	35.2	0.5
150°-160°	15.2	0.2
160°-170°	3.8	0.1
170°-180°	0.3	0.0
0°-90°	6090.1	86.8
0°-180°	7015.0	100.0

Coefficient of Utilization



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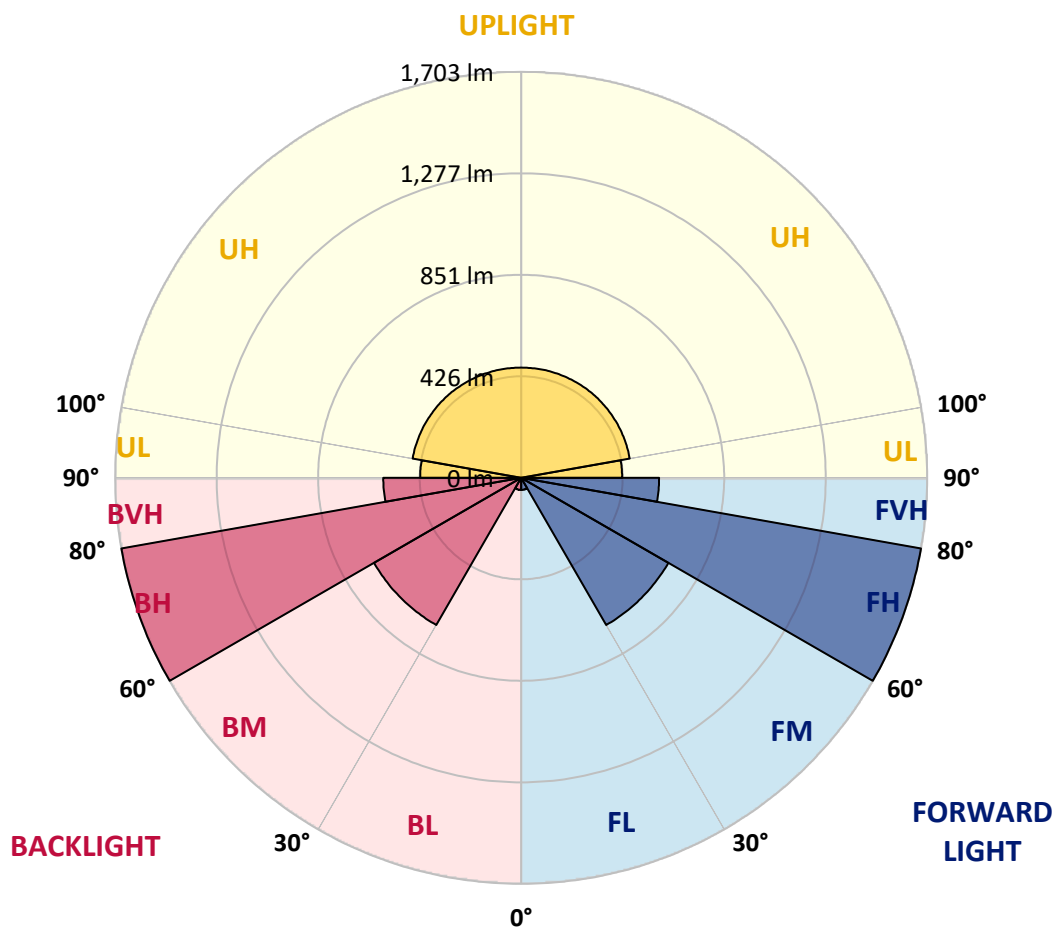
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	50.7	0.7			
FM	(30°-60°)	712.9	10.2			
FH	(60°-80°)	1702.9	24.3			G1/1800
FVH	(80°-90°)	578.4	8.2			G4/750
BL	(0°-30°)	50.7	0.7	B0/110		
BM	(30°-60°)	712.9	10.2	B1/1000		
BH	(60°-80°)	1702.9	24.3	B3/2500		G1/1800
BVH	(80°-90°)	578.4	8.2			G4/750
UL	(90°-100°)	423.7	6.0		U3/500	
UH	(100°-180°)	462.4	6.6		U3/500	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	46.8
2.5°	47.7
5°	53.3
7.5°	63.6
10°	72.9
12.5°	82.3
15°	91.6
17.5°	101.0
20°	112.2
22.5°	120.6
25°	138.4
27.5°	170.2
30°	202.0
32.5°	223.5
35°	232.8
37.5°	267.4
40°	314.2
42.5°	362.8
45°	409.6
47.5°	439.5
50°	488.1
52.5°	669.5
55°	993.1
57.5°	1406.4
60°	1797.2
62.5°	2015.1
65°	1960.9
67.5°	1802.8
70°	1654.2
72.5°	1528.9
75°	1455.9
77.5°	1382.1
80°	1306.3
82.5°	1225.0
85°	1094.1
87.5°	920.1
90°	703.2
92.5°	501.2
95°	348.8
97.5°	252.5
100°	193.6
102.5°	160.8
105°	144.0
107.5°	134.7
110°	131.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	133.7
115°	137.5
117.5°	135.6
120°	126.2
122.5°	112.2
125°	101.9
127.5°	94.4
130°	88.8
132.5°	83.2
135°	78.5
137.5°	72.9
140°	66.4
142.5°	60.8
145°	56.1
147.5°	50.5
150°	43.0
152.5°	37.4
155°	31.8
157.5°	27.1
160°	21.5
162.5°	16.8
165°	12.2
167.5°	8.4
170°	5.6
172.5°	2.8
175°	1.9
177.5°	2.8
180°	2.8

(END OF REPORT)