

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: P588546

Luminaire Tested: **ARC-CA6-90-727-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588546
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-CA6-90-727-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: 11723 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U4 - G5

Input Watts (W): 93.9
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



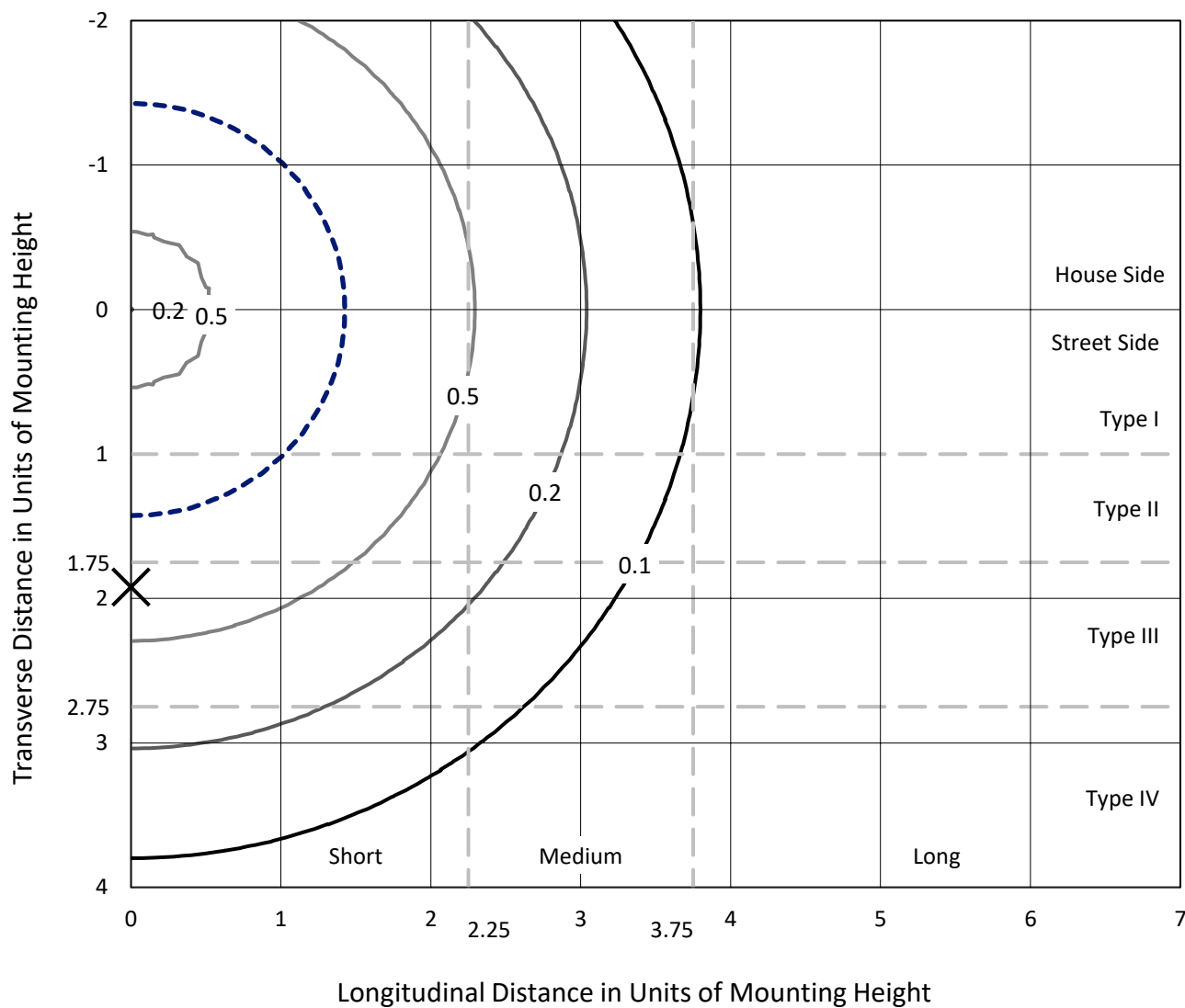
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

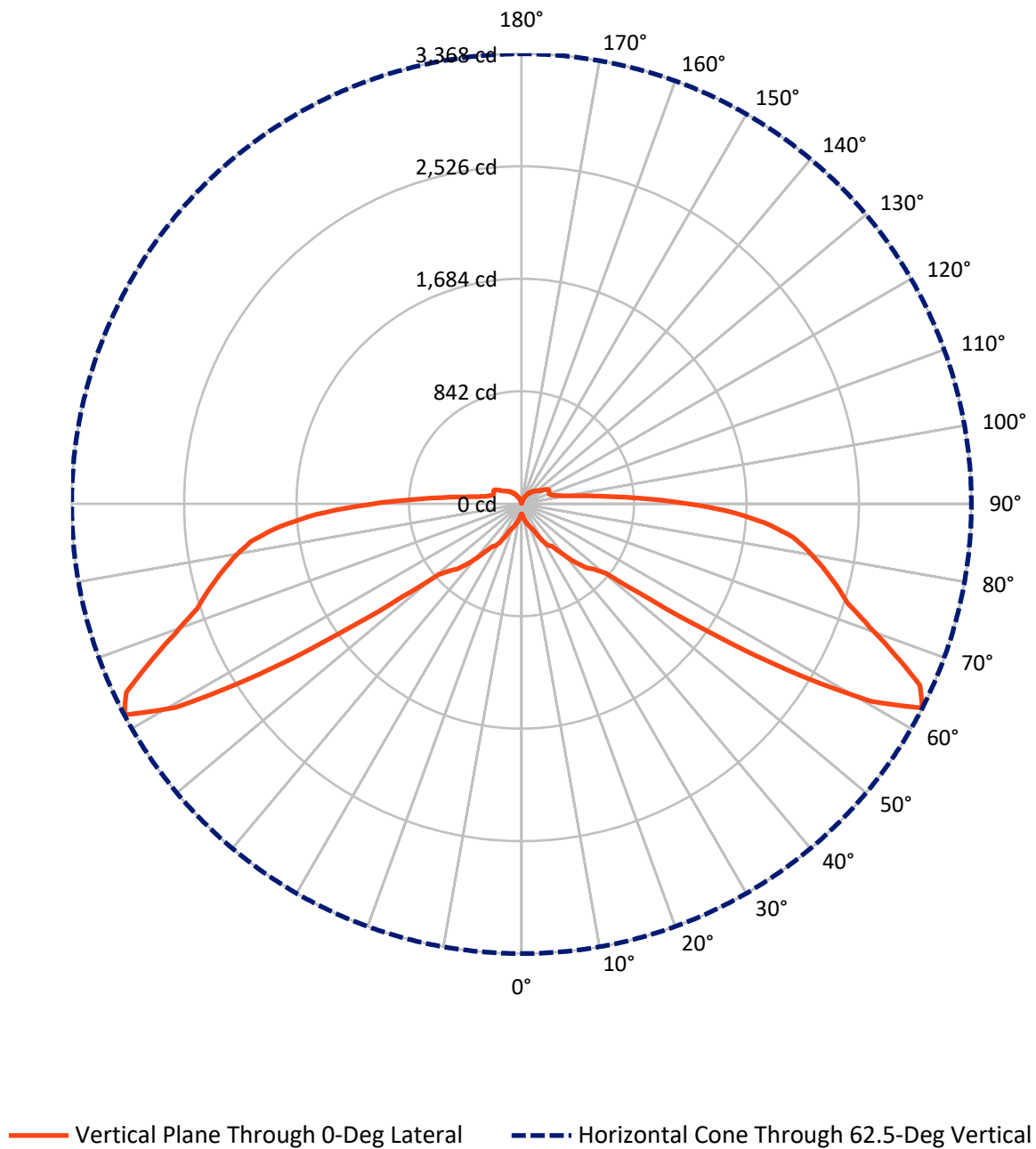


Based on 20 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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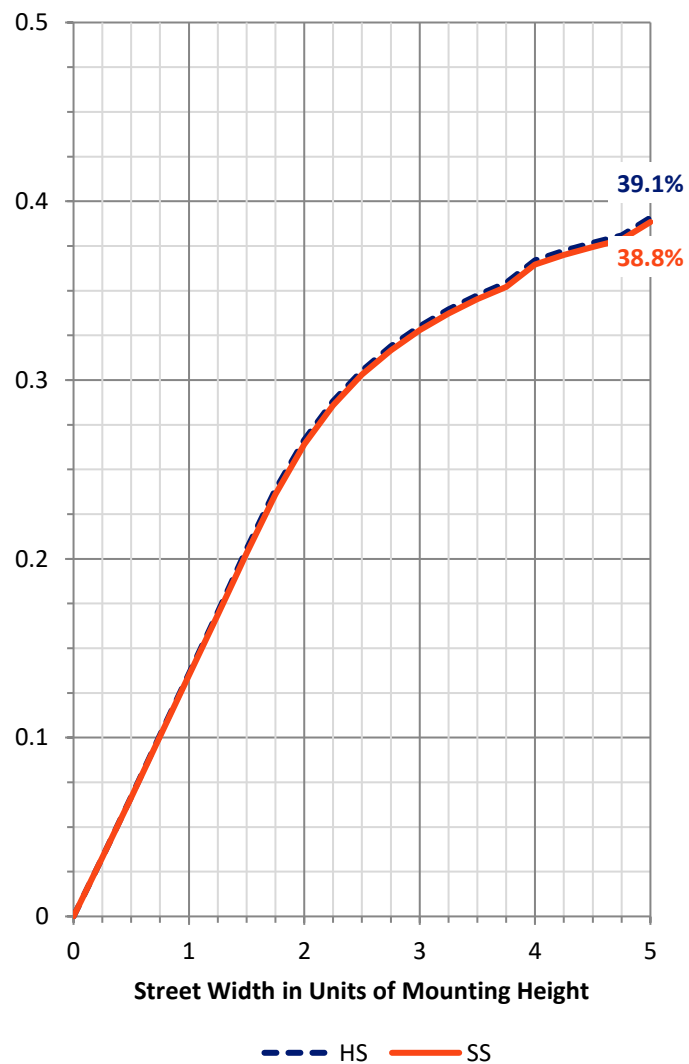
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5088.6	772.8	5861.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5088.6	772.8	5861.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	10177.3	1545.7	11723.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.1
10°-20°	44.4	0.4
20°-30°	115.5	1.0
30°-40°	259.8	2.2
40°-50°	524.8	4.5
50°-60°	1598.2	13.6
60°-70°	3109.5	26.5
70°-80°	2582.2	22.0
80°-90°	1933.2	16.5
90°-100°	708.0	6.0
100°-110°	266.5	2.3
110°-120°	222.2	1.9
120°-130°	156.5	1.3
130°-140°	101.4	0.9
140°-150°	58.8	0.5
150°-160°	25.3	0.2
160°-170°	6.4	0.1
170°-180°	0.5	0.0
0°-90°	10177.3	86.8
0°-180°	11723.0	100.0

Coefficient of Utilization



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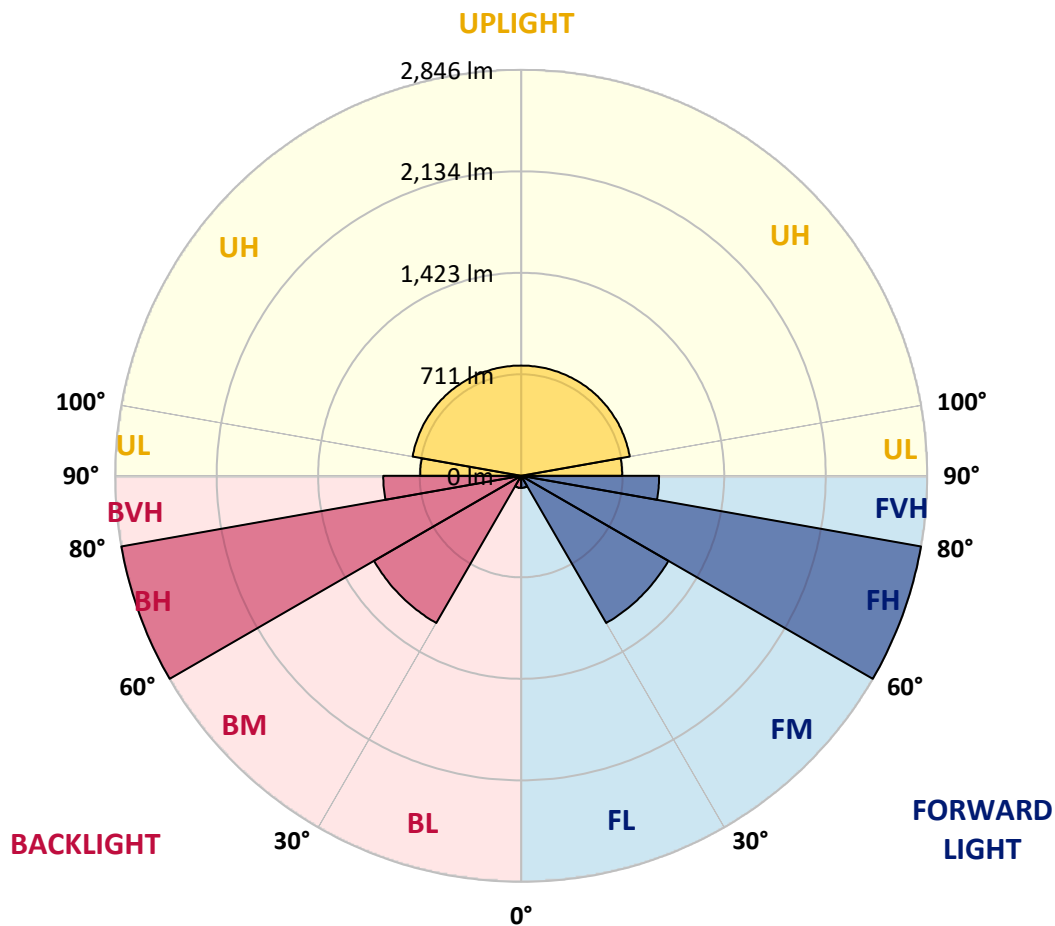
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.8	0.7			
FM	(30°-60°)	1191.4	10.2			
FH	(60°-80°)	2845.8	24.3			G2/5000
FVH	(80°-90°)	966.6	8.2			G5
BL	(0°-30°)	84.8	0.7	B0/110		
BM	(30°-60°)	1191.4	10.2	B2/2500		
BH	(60°-80°)	2845.8	24.3	B4/5000		G2/5000
BVH	(80°-90°)	966.6	8.2			G5
UL	(90°-100°)	708.0	6.0		U4/1000	
UH	(100°-180°)	772.8	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	78.1
2.5°	79.7
5°	89.1
7.5°	106.3
10°	121.9
12.5°	137.5
15°	153.1
17.5°	168.8
20°	187.5
22.5°	201.6
25°	231.3
27.5°	284.4
30°	337.5
32.5°	373.5
35°	389.1
37.5°	446.9
40°	525.1
42.5°	606.3
45°	684.4
47.5°	734.4
50°	815.7
52.5°	1118.9
55°	1659.5
57.5°	2350.2
60°	3003.4
62.5°	3367.5
65°	3276.9
67.5°	3012.8
70°	2764.3
72.5°	2554.9
75°	2433.1
77.5°	2309.6
80°	2183.0
82.5°	2047.1
85°	1828.3
87.5°	1537.7
90°	1175.1
92.5°	837.6
95°	582.9
97.5°	421.9
100°	323.5
102.5°	268.8
105°	240.6
107.5°	225.0
110°	220.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	223.5
115°	229.7
117.5°	226.6
120°	211.0
122.5°	187.5
125°	170.3
127.5°	157.8
130°	148.5
132.5°	139.1
135°	131.3
137.5°	121.9
140°	110.9
142.5°	101.6
145°	93.8
147.5°	84.4
150°	71.9
152.5°	62.5
155°	53.1
157.5°	45.3
160°	35.9
162.5°	28.1
165°	20.3
167.5°	14.1
170°	9.4
172.5°	4.7
175°	3.1
177.5°	4.7
180°	4.7

(END OF REPORT)