

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: P588522

Luminaire Tested: **ARC-CA6-80-727-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588522
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-CA6-80-727-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: 10609 lumens
Efficiency: N/A
Efficacy: 125.7 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): 84.4
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



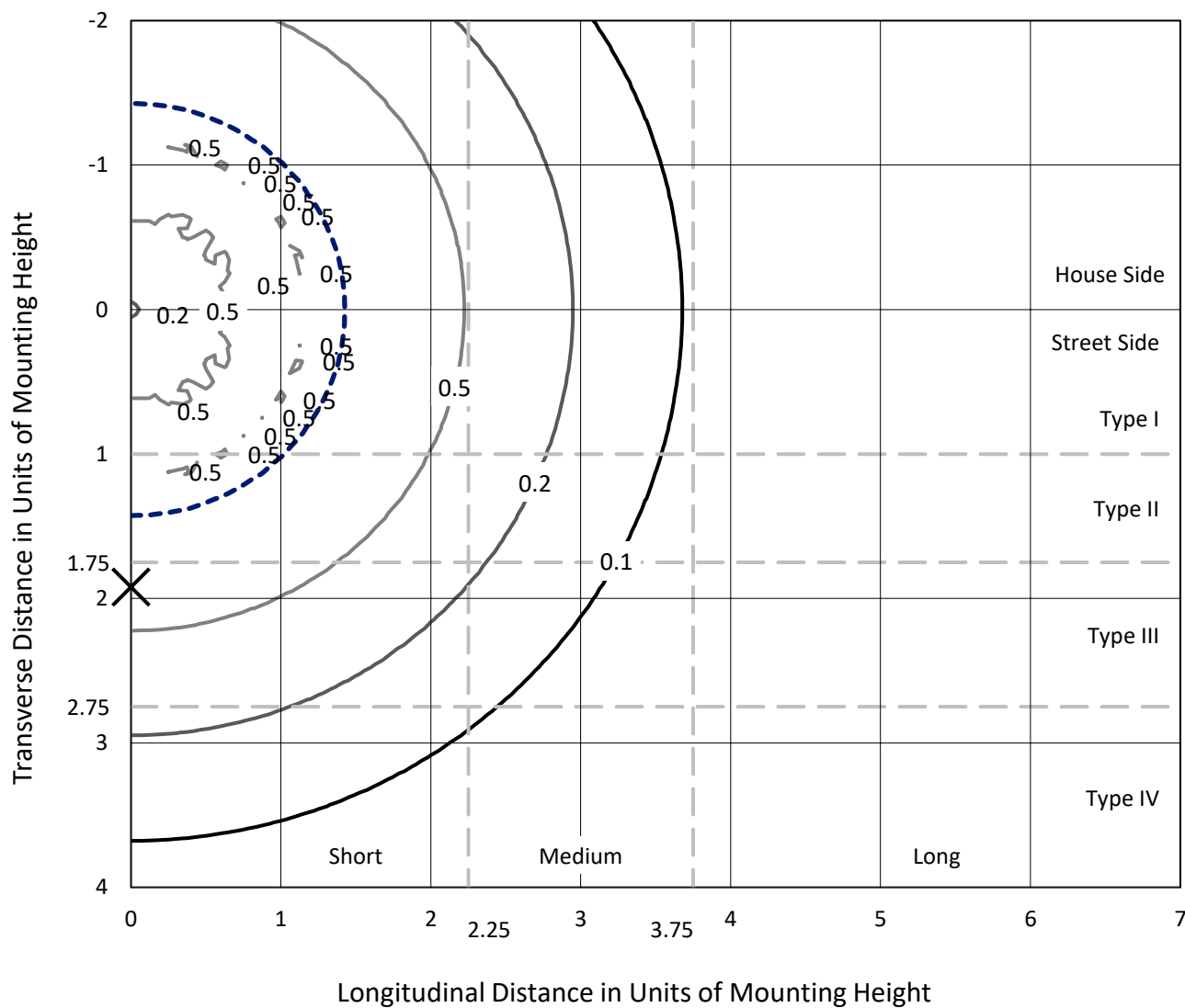
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

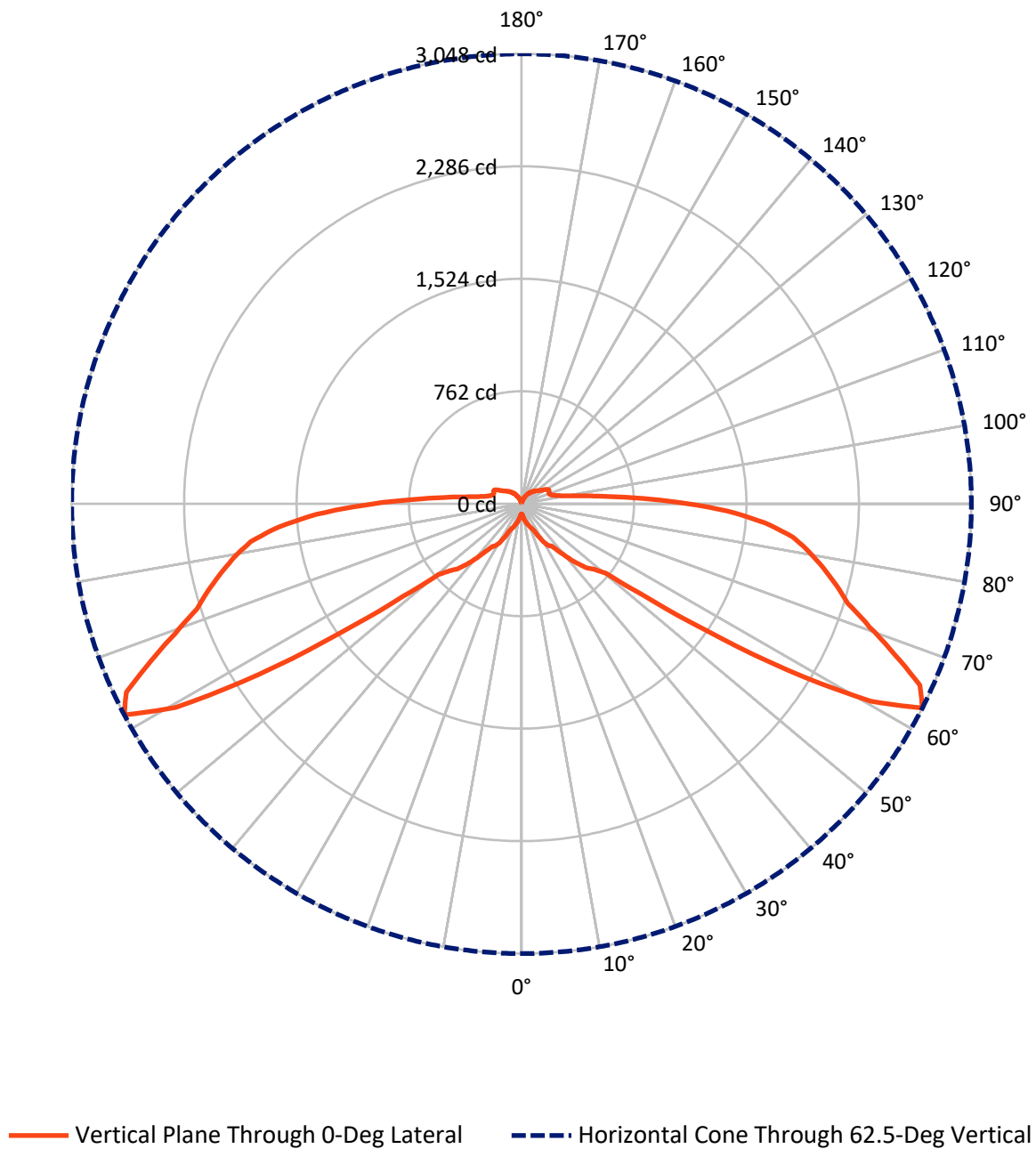


Based on 20 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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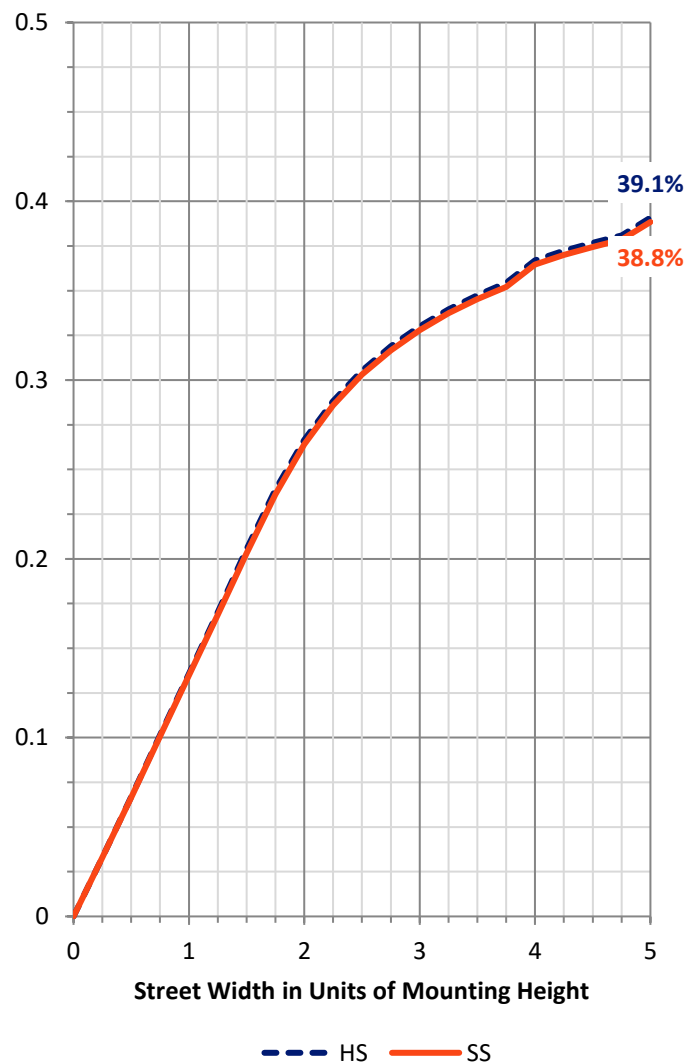
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4605.1	699.4	5304.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4605.1	699.4	5304.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	9210.3	1398.7	10609.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	40.2	0.4
20°-30°	104.5	1.0
30°-40°	235.1	2.2
40°-50°	475.0	4.5
50°-60°	1446.3	13.6
60°-70°	2814.0	26.5
70°-80°	2336.8	22.0
80°-90°	1749.5	16.5
90°-100°	640.7	6.0
100°-110°	241.2	2.3
110°-120°	201.1	1.9
120°-130°	141.6	1.3
130°-140°	91.8	0.9
140°-150°	53.2	0.5
150°-160°	22.9	0.2
160°-170°	5.8	0.1
170°-180°	0.5	0.0
0°-90°	9210.3	86.8
0°-180°	10609.0	100.0

Coefficient of Utilization



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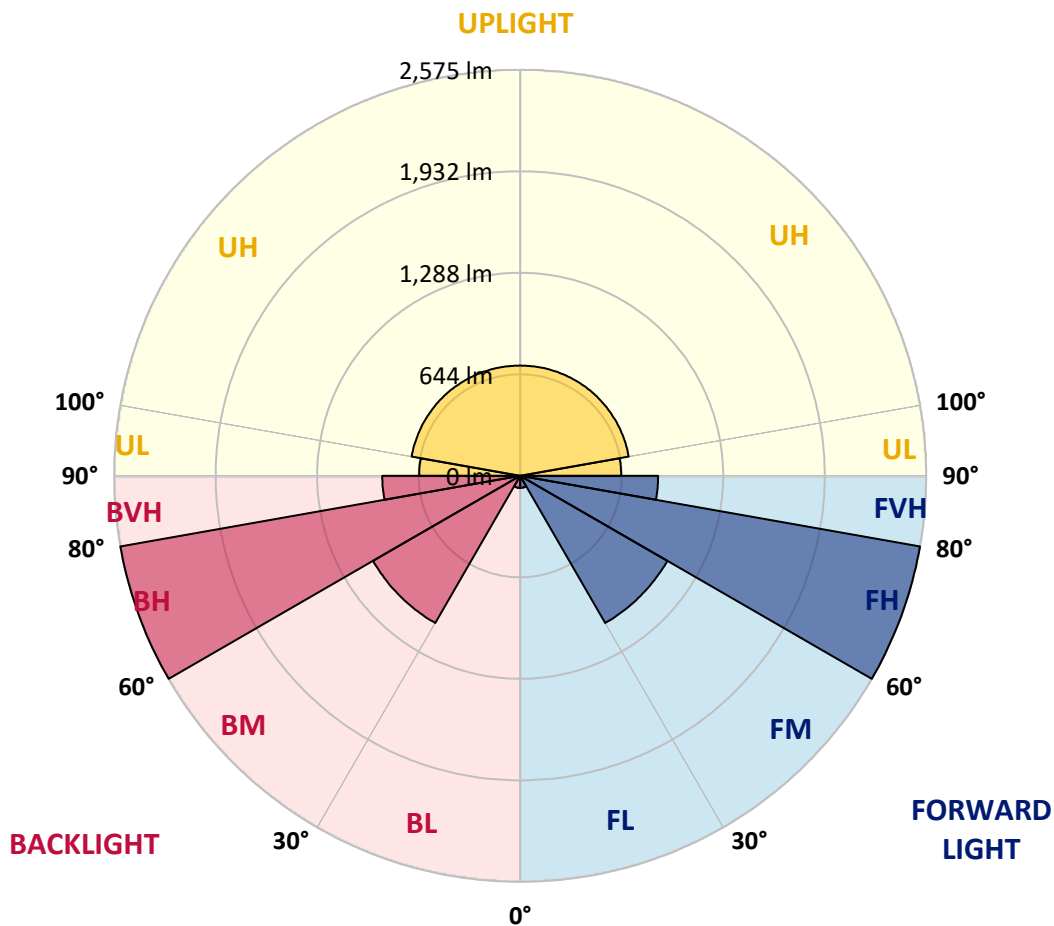
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.7	0.7			
FM	(30°-60°)	1078.2	10.2			
FH	(60°-80°)	2575.4	24.3			G2/5000
FVH	(80°-90°)	874.8	8.2			G5
BL	(0°-30°)	76.7	0.7	B0/110		
BM	(30°-60°)	1078.2	10.2	B2/2500		
BH	(60°-80°)	2575.4	24.3	B4/5000		G2/5000
BVH	(80°-90°)	874.8	8.2			G5
UL	(90°-100°)	640.7	6.0		U4/1000	
UH	(100°-180°)	699.4	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	70.7
2.5°	72.1
5°	80.6
7.5°	96.2
10°	110.3
12.5°	124.4
15°	138.6
17.5°	152.7
20°	169.7
22.5°	182.4
25°	209.3
27.5°	257.4
30°	305.5
32.5°	338.0
35°	352.1
37.5°	404.5
40°	475.2
42.5°	548.7
45°	619.4
47.5°	664.7
50°	738.2
52.5°	1012.5
55°	1501.8
57.5°	2126.9
60°	2718.0
62.5°	3047.5
65°	2965.5
67.5°	2726.5
70°	2501.7
72.5°	2312.2
75°	2201.9
77.5°	2090.1
80°	1975.6
82.5°	1852.6
85°	1654.6
87.5°	1391.5
90°	1063.4
92.5°	758.0
95°	527.5
97.5°	381.8
100°	292.7
102.5°	243.2
105°	217.8
107.5°	203.6
110°	199.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	202.2
115°	207.9
117.5°	205.1
120°	190.9
122.5°	169.7
125°	154.1
127.5°	142.8
130°	134.3
132.5°	125.9
135°	118.8
137.5°	110.3
140°	100.4
142.5°	91.9
145°	84.8
147.5°	76.4
150°	65.1
152.5°	56.6
155°	48.1
157.5°	41.0
160°	32.5
162.5°	25.5
165°	18.4
167.5°	12.7
170°	8.5
172.5°	4.2
175°	2.8
177.5°	4.2
180°	4.2

(END OF REPORT)