

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: P588554

Luminaire Tested: **ARC-CA6-90-740-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588554
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-CA6-90-740-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12539.1 lumens
Efficiency: N/A
Efficacy: 133.5 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



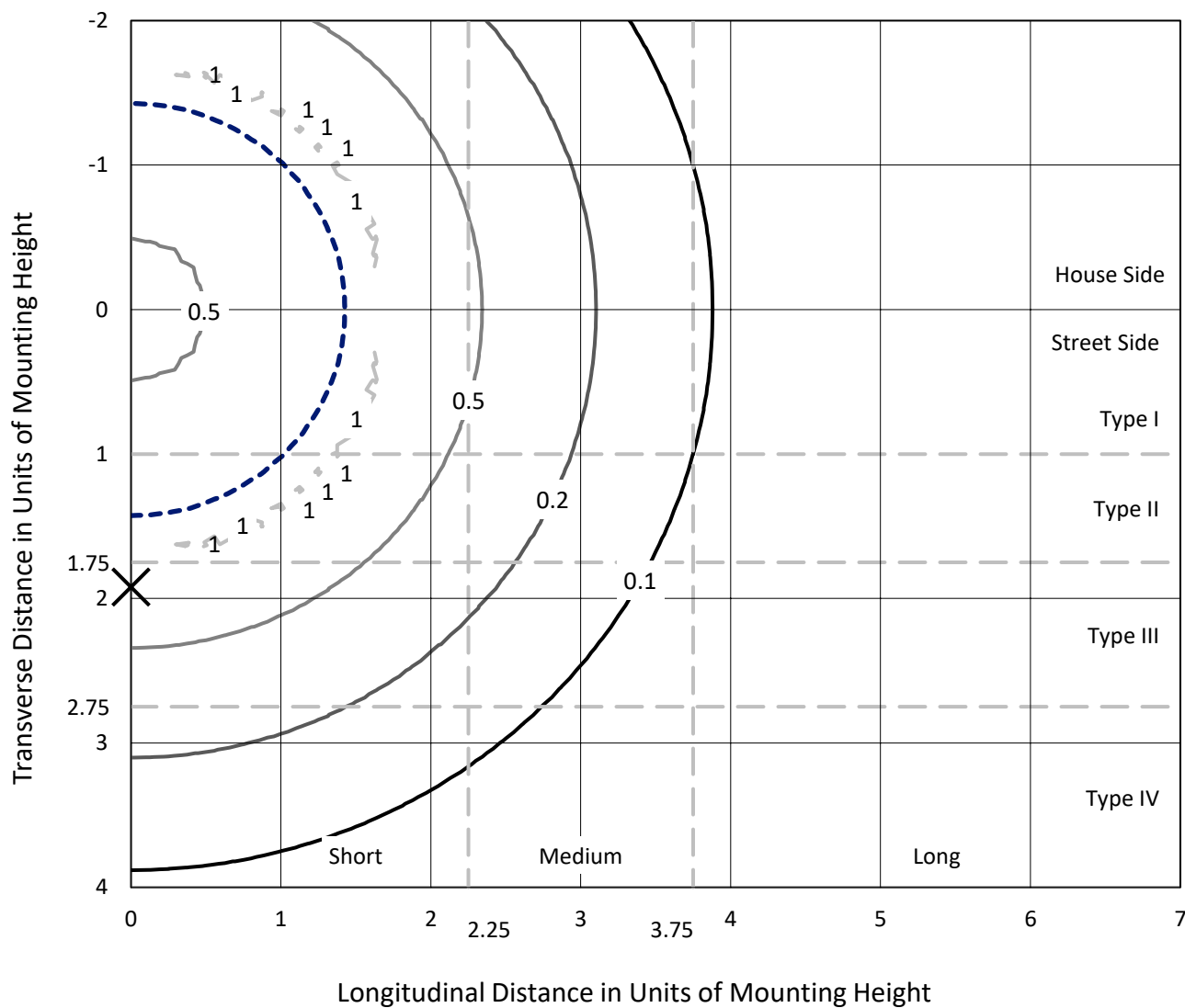
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



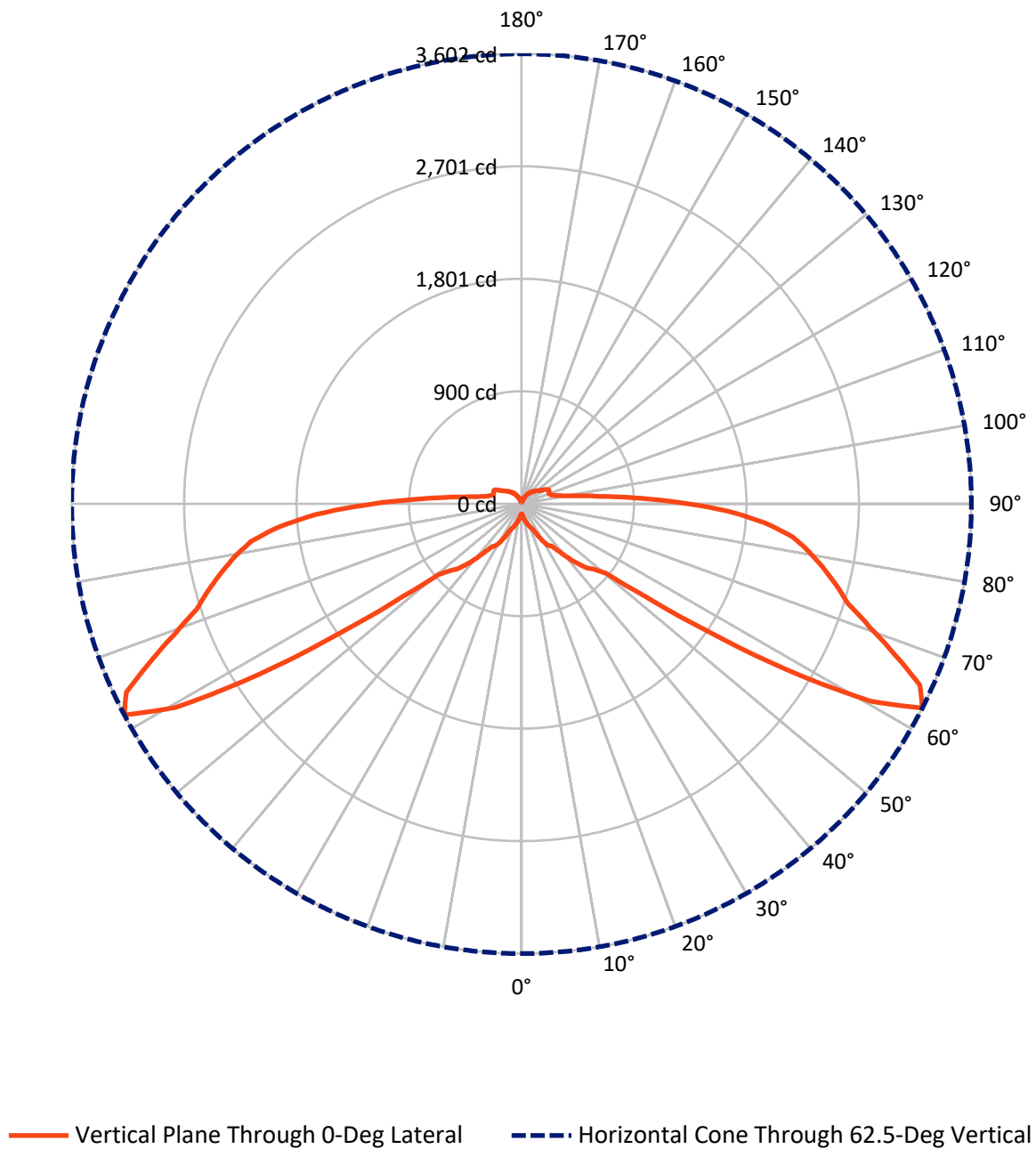
Based on 20 foot mounting height. Maximum calculated value = 1 fc

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Luminous Intensity Polar Plot



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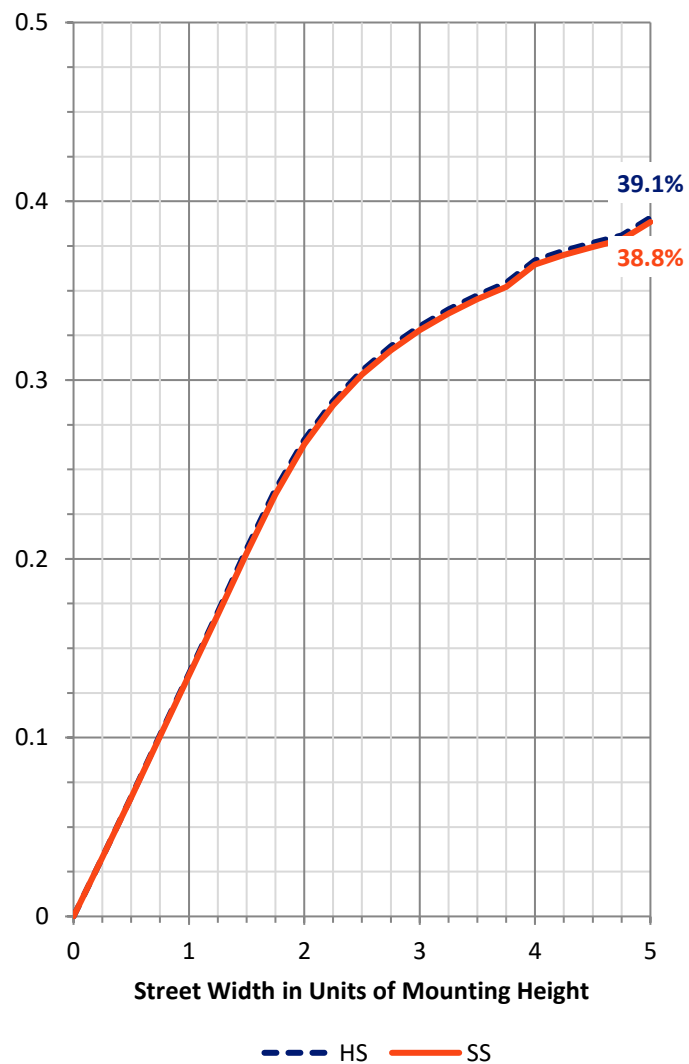
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5442.9	826.6	6269.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5442.9	826.6	6269.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	10885.8	1653.3	12539.1
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	47.5	0.4
20°-30°	123.5	1.0
30°-40°	277.9	2.2
40°-50°	561.4	4.5
50°-60°	1709.5	13.6
60°-70°	3326.0	26.5
70°-80°	2761.9	22.0
80°-90°	2067.8	16.5
90°-100°	757.2	6.0
100°-110°	285.1	2.3
110°-120°	237.7	1.9
120°-130°	167.4	1.3
130°-140°	108.5	0.9
140°-150°	62.8	0.5
150°-160°	27.1	0.2
160°-170°	6.9	0.1
170°-180°	0.5	0.0
0°-90°	10885.8	86.8
0°-180°	12539.1	100.0

Coefficient of Utilization



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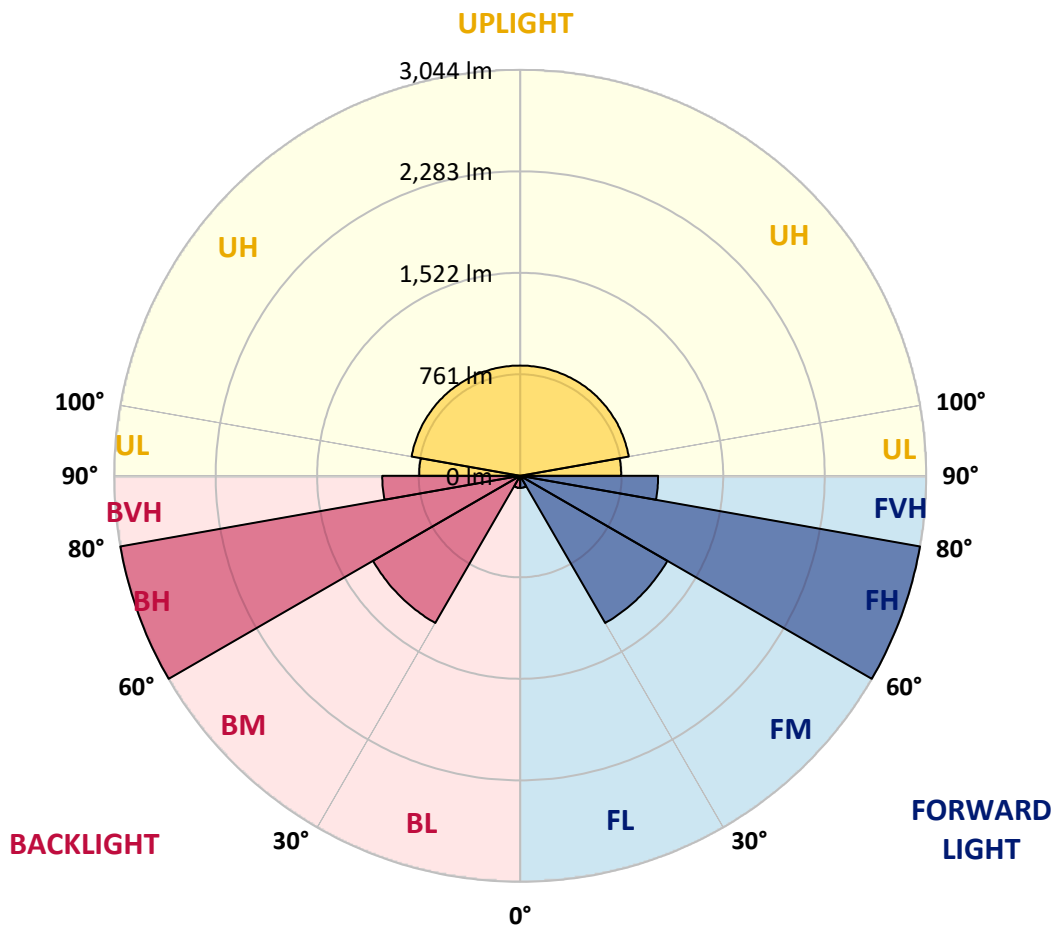
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.7	0.7			
FM	(30°-60°)	1274.4	10.2			
FH	(60°-80°)	3043.9	24.3			G2/5000
FVH	(80°-90°)	1033.9	8.2			G5
BL	(0°-30°)	90.7	0.7	B0/110		
BM	(30°-60°)	1274.4	10.2	B2/2500		
BH	(60°-80°)	3043.9	24.3	B4/5000		G2/5000
BVH	(80°-90°)	1033.9	8.2			G5
UL	(90°-100°)	757.2	6.0		U4/1000	
UH	(100°-180°)	826.6	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	83.6
2.5°	85.2
5°	95.3
7.5°	113.7
10°	130.4
12.5°	147.1
15°	163.8
17.5°	180.5
20°	200.6
22.5°	215.6
25°	247.4
27.5°	304.2
30°	361.0
32.5°	399.5
35°	416.2
37.5°	478.0
40°	561.6
42.5°	648.5
45°	732.1
47.5°	785.6
50°	872.5
52.5°	1196.7
55°	1775.1
57.5°	2513.8
60°	3212.5
62.5°	3601.9
65°	3505.0
67.5°	3222.5
70°	2956.8
72.5°	2732.8
75°	2602.4
77.5°	2470.4
80°	2335.0
82.5°	2189.6
85°	1955.6
87.5°	1644.7
90°	1256.9
92.5°	895.9
95°	623.4
97.5°	451.3
100°	346.0
102.5°	287.5
105°	257.4
107.5°	240.7
110°	235.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	239.0
115°	245.7
117.5°	242.4
120°	225.6
122.5°	200.6
125°	182.2
127.5°	168.8
130°	158.8
132.5°	148.8
135°	140.4
137.5°	130.4
140°	118.7
142.5°	108.6
145°	100.3
147.5°	90.3
150°	76.9
152.5°	66.9
155°	56.8
157.5°	48.5
160°	38.4
162.5°	30.1
165°	21.7
167.5°	15.0
170°	10.0
172.5°	5.0
175°	3.3
177.5°	5.0
180°	5.0

(END OF REPORT)