

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: P588402

Luminaire Tested: **ARC-CA6-120-727-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588402
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-CA6-120-727-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: 14764.1 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

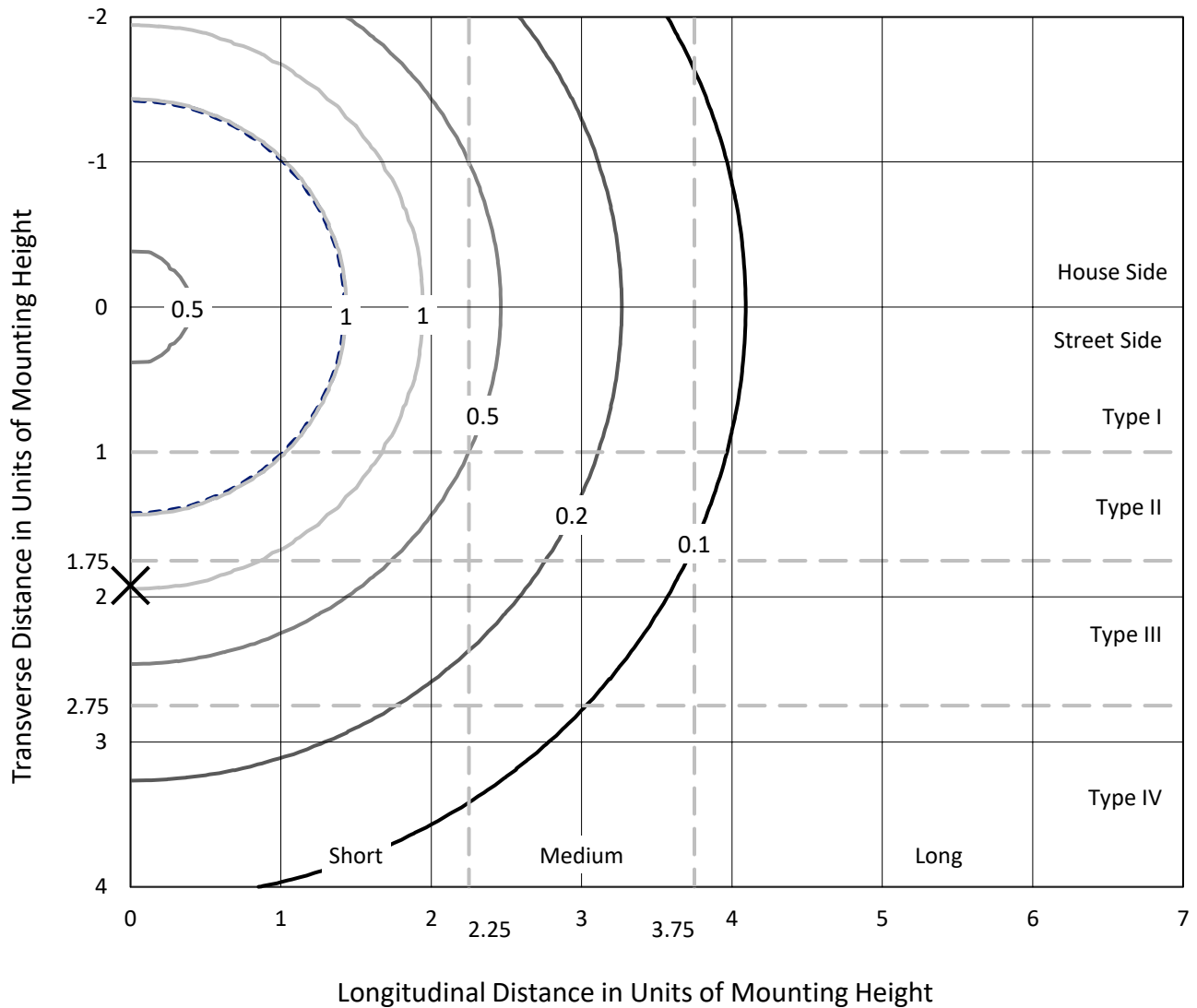
Input Watts (W): 119.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

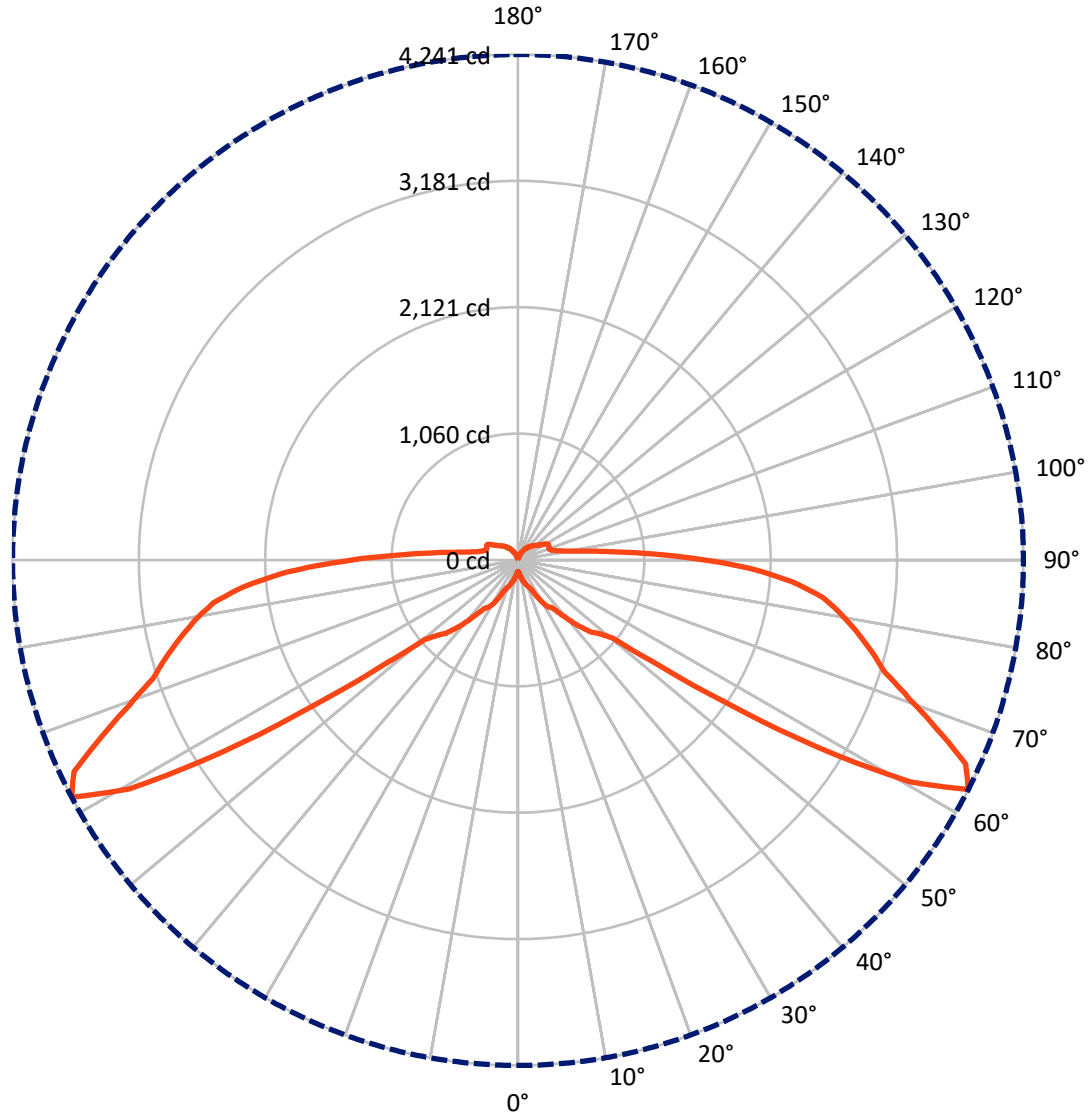
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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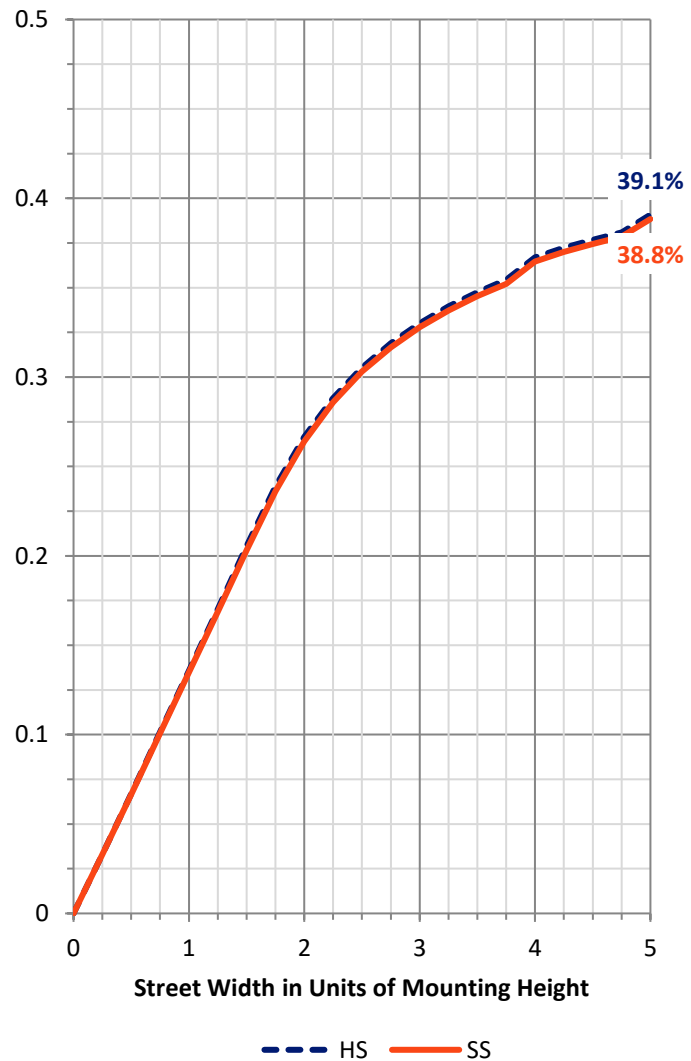
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6408.7	973.3	7382.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6408.7	973.3	7382.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	12817.4	1946.7	14764.1
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.1
10°-20°	56.0	0.4
20°-30°	145.5	1.0
30°-40°	327.2	2.2
40°-50°	661.0	4.5
50°-60°	2012.8	13.6
60°-70°	3916.1	26.5
70°-80°	3252.0	22.0
80°-90°	2434.7	16.5
90°-100°	891.7	6.0
100°-110°	335.7	2.3
110°-120°	279.9	1.9
120°-130°	197.1	1.3
130°-140°	127.8	0.9
140°-150°	74.0	0.5
150°-160°	31.9	0.2
160°-170°	8.1	0.1
170°-180°	0.6	0.0
0°-90°	12817.4	86.8
0°-180°	14764.1	100.0



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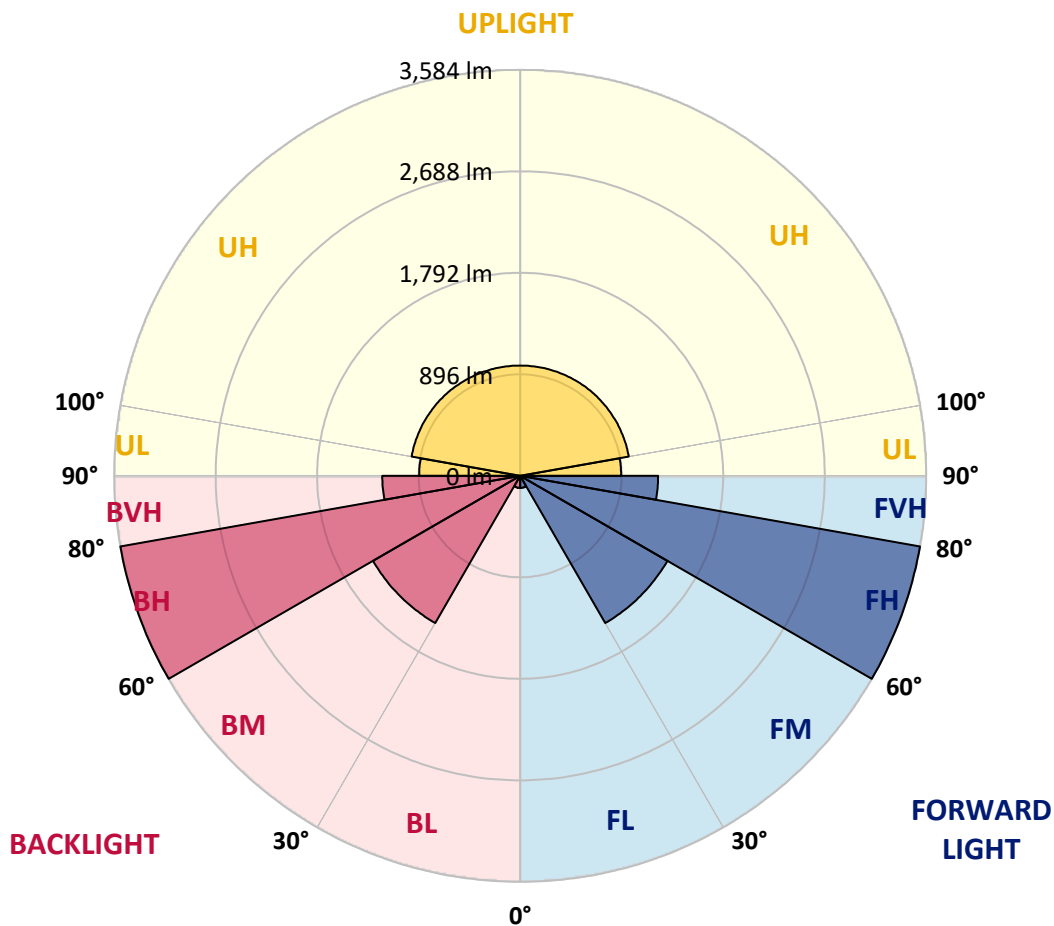
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	106.8	0.7			
FM (30°-60°)	1500.5	10.2			
FH (60°-80°)	3584.1	24.3			G2/5000
FVH (80°-90°)	1217.3	8.2			G5
BL (0°-30°)	106.8	0.7	B0/110		
BM (30°-60°)	1500.5	10.2	B2/2500		
BH (60°-80°)	3584.1	24.3	B4/5000		G2/5000
BVH (80°-90°)	1217.3	8.2			G5
UL (90°-100°)	891.7	6.0		U4/1000	
UH (100°-180°)	973.3	6.6		U4/1000	

BUG Rating: B4-U5-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	98.4
2.5°	100.4
5°	112.2
7.5°	133.8
10°	153.5
12.5°	173.2
15°	192.9
17.5°	212.5
20°	236.2
22.5°	253.9
25°	291.3
27.5°	358.2
30°	425.1
32.5°	470.4
35°	490.0
37.5°	562.9
40°	661.3
42.5°	763.6
45°	862.0
47.5°	925.0
50°	1027.3
52.5°	1409.1
55°	2090.0
57.5°	2959.9
60°	3782.5
62.5°	4241.1
65°	4126.9
67.5°	3794.3
70°	3481.4
72.5°	3217.7
75°	3064.2
77.5°	2908.7
80°	2749.3
82.5°	2578.1
85°	2302.6
87.5°	1936.5
90°	1479.9
92.5°	1054.9
95°	734.1
97.5°	531.4
100°	407.4
102.5°	338.5
105°	303.1
107.5°	283.4
110°	277.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	281.4
115°	289.3
117.5°	285.4
120°	265.7
122.5°	236.2
125°	214.5
127.5°	198.8
130°	187.0
132.5°	175.2
135°	165.3
137.5°	153.5
140°	139.7
142.5°	127.9
145°	118.1
147.5°	106.3
150°	90.5
152.5°	78.7
155°	66.9
157.5°	57.1
160°	45.3
162.5°	35.4
165°	25.6
167.5°	17.7
170°	11.8
172.5°	5.9
175°	3.9
177.5°	5.9
180°	5.9

(END OF REPORT)