

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: P588474

Luminaire Tested: **ARC-CA6-60-727-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588474
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-CA6-60-727-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: 8230.1 lumens
Efficiency: N/A
Efficacy: 128.0 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): 64.3
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



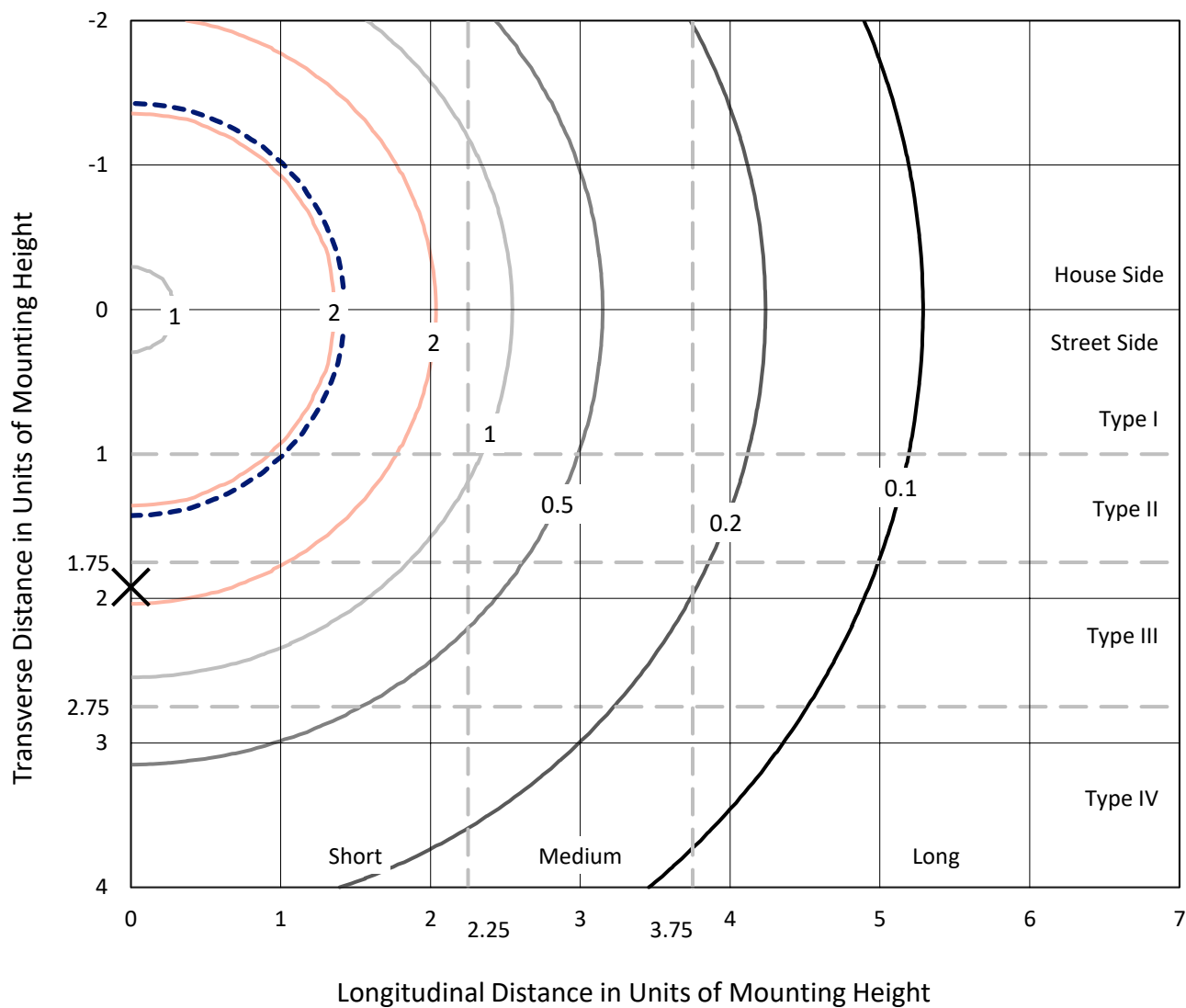
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

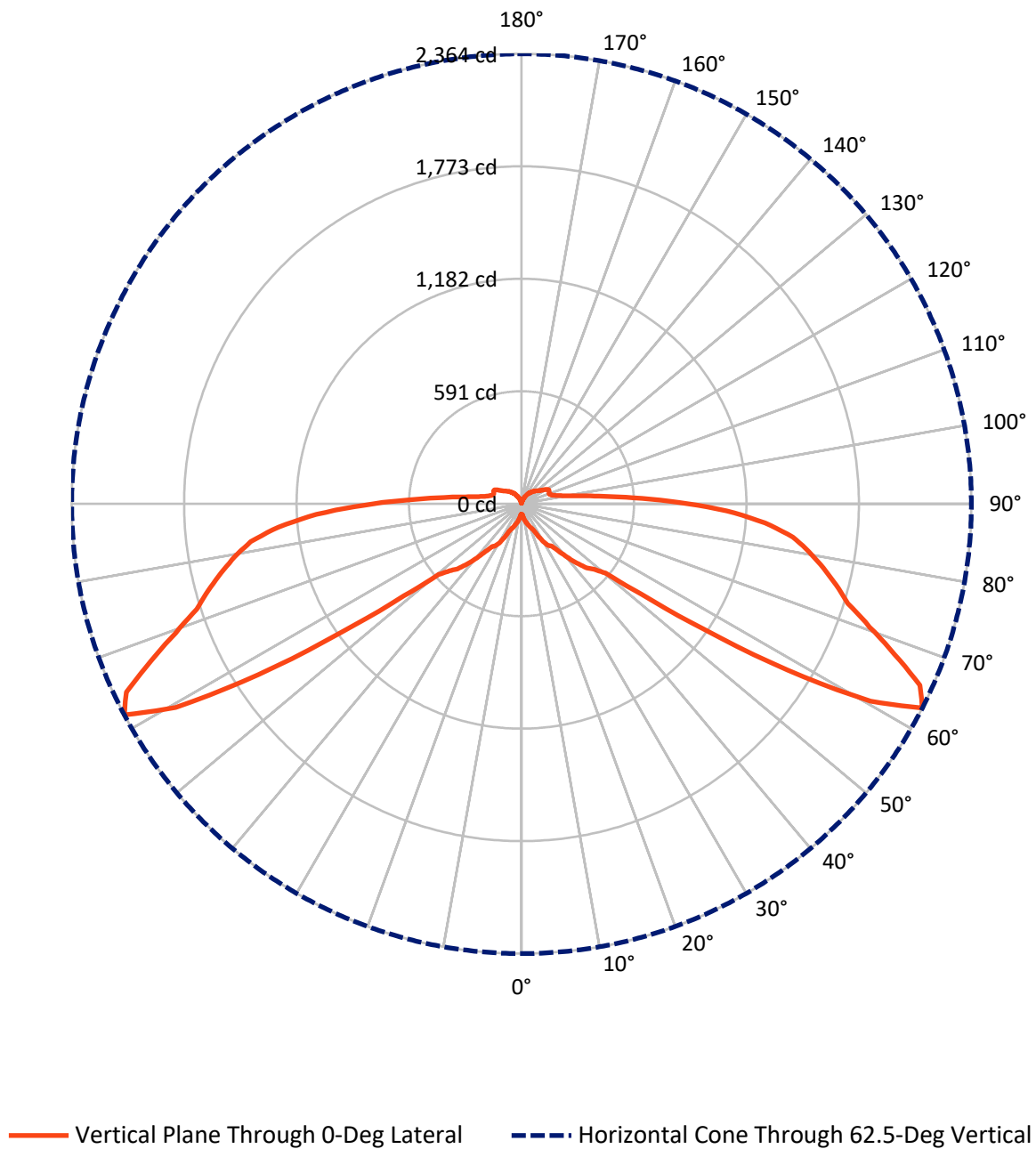


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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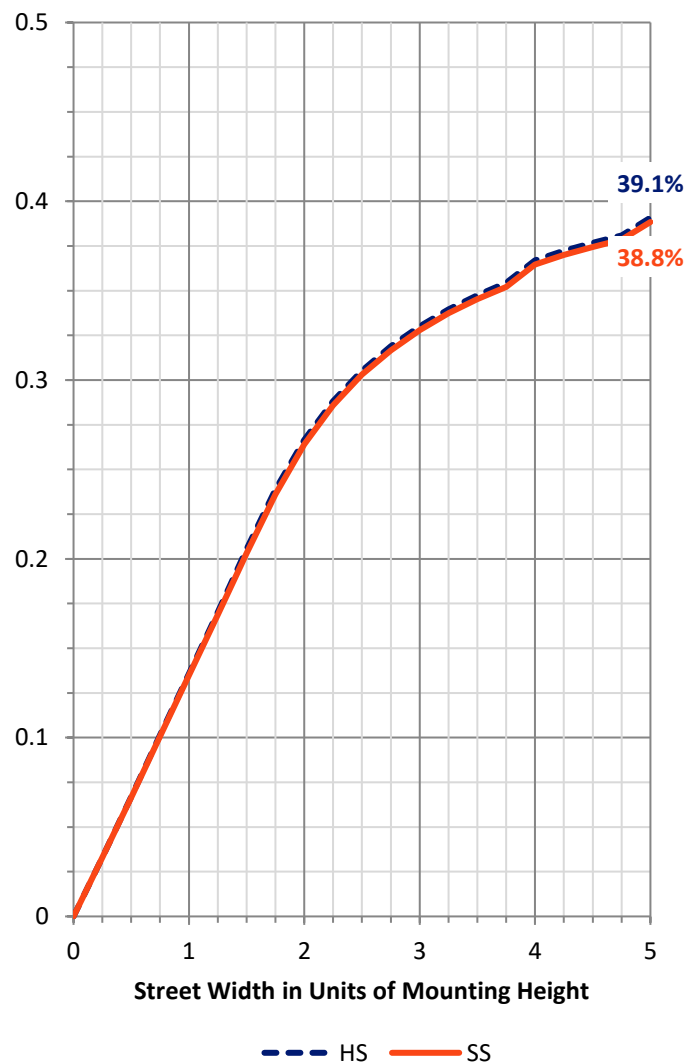
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3572.5	542.6	4115.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3572.5	542.6	4115.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	7144.9	1085.1	8230.1
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	31.2	0.4
20°-30°	81.1	1.0
30°-40°	182.4	2.2
40°-50°	368.5	4.5
50°-60°	1122.1	13.6
60°-70°	2183.0	26.5
70°-80°	1812.8	22.0
80°-90°	1357.2	16.5
90°-100°	497.0	6.0
100°-110°	187.1	2.3
110°-120°	156.0	1.9
120°-130°	109.9	1.3
130°-140°	71.2	0.9
140°-150°	41.2	0.5
150°-160°	17.8	0.2
160°-170°	4.5	0.1
170°-180°	0.4	0.0
0°-90°	7144.9	86.8
0°-180°	8230.1	100.0

Coefficient of Utilization



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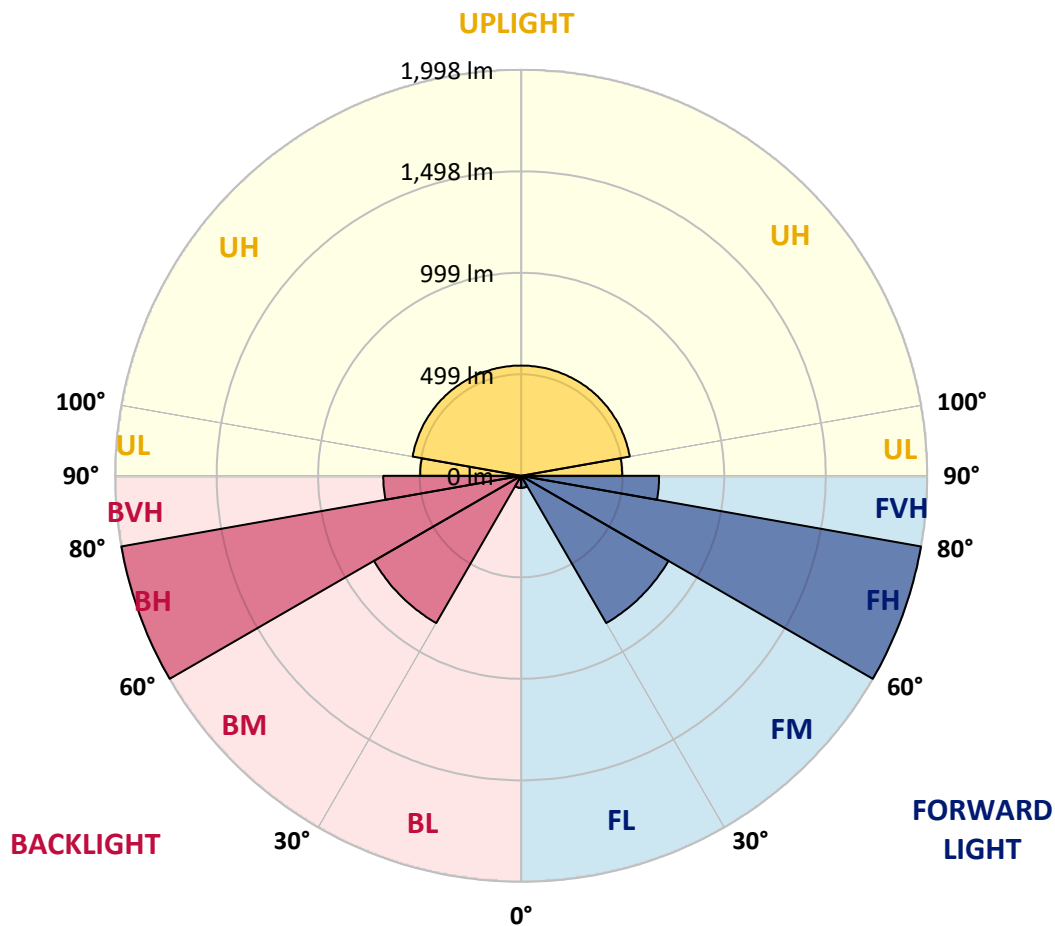
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	59.5	0.7			
FM	(30°-60°)	836.4	10.2			
FH	(60°-80°)	1997.9	24.3			G2/5000
FVH	(80°-90°)	678.6	8.2			G4/750
BL	(0°-30°)	59.5	0.7	B0/110		
BM	(30°-60°)	836.4	10.2	B1/1000		
BH	(60°-80°)	1997.9	24.3	B3/2500		G2/5000
BVH	(80°-90°)	678.6	8.2			G4/750
UL	(90°-100°)	497.0	6.0		U3/500	
UH	(100°-180°)	542.6	6.6		U4/1000	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	54.9
2.5°	55.9
5°	62.5
7.5°	74.6
10°	85.6
12.5°	96.5
15°	107.5
17.5°	118.5
20°	131.6
22.5°	141.5
25°	162.4
27.5°	199.7
30°	237.0
32.5°	262.2
35°	273.2
37.5°	313.8
40°	368.6
42.5°	425.7
45°	480.5
47.5°	515.6
50°	572.7
52.5°	785.5
55°	1165.1
57.5°	1650.0
60°	2108.5
62.5°	2364.1
65°	2300.5
67.5°	2115.1
70°	1940.7
72.5°	1793.7
75°	1708.1
77.5°	1621.4
80°	1532.6
82.5°	1437.1
85°	1283.5
87.5°	1079.5
90°	825.0
92.5°	588.0
95°	409.2
97.5°	296.2
100°	227.1
102.5°	188.7
105°	168.9
107.5°	158.0
110°	154.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	156.9
115°	161.3
117.5°	159.1
120°	148.1
122.5°	131.6
125°	119.6
127.5°	110.8
130°	104.2
132.5°	97.6
135°	92.2
137.5°	85.6
140°	77.9
142.5°	71.3
145°	65.8
147.5°	59.2
150°	50.5
152.5°	43.9
155°	37.3
157.5°	31.8
160°	25.2
162.5°	19.7
165°	14.3
167.5°	9.9
170°	6.6
172.5°	3.3
175°	2.2
177.5°	3.3
180°	3.3

(END OF REPORT)