

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: P588558

Luminaire Tested: **ARC-CA6-90-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588558
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-CA6-90-750-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12769 lumens
Efficiency: N/A
Efficacy: 136.0 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



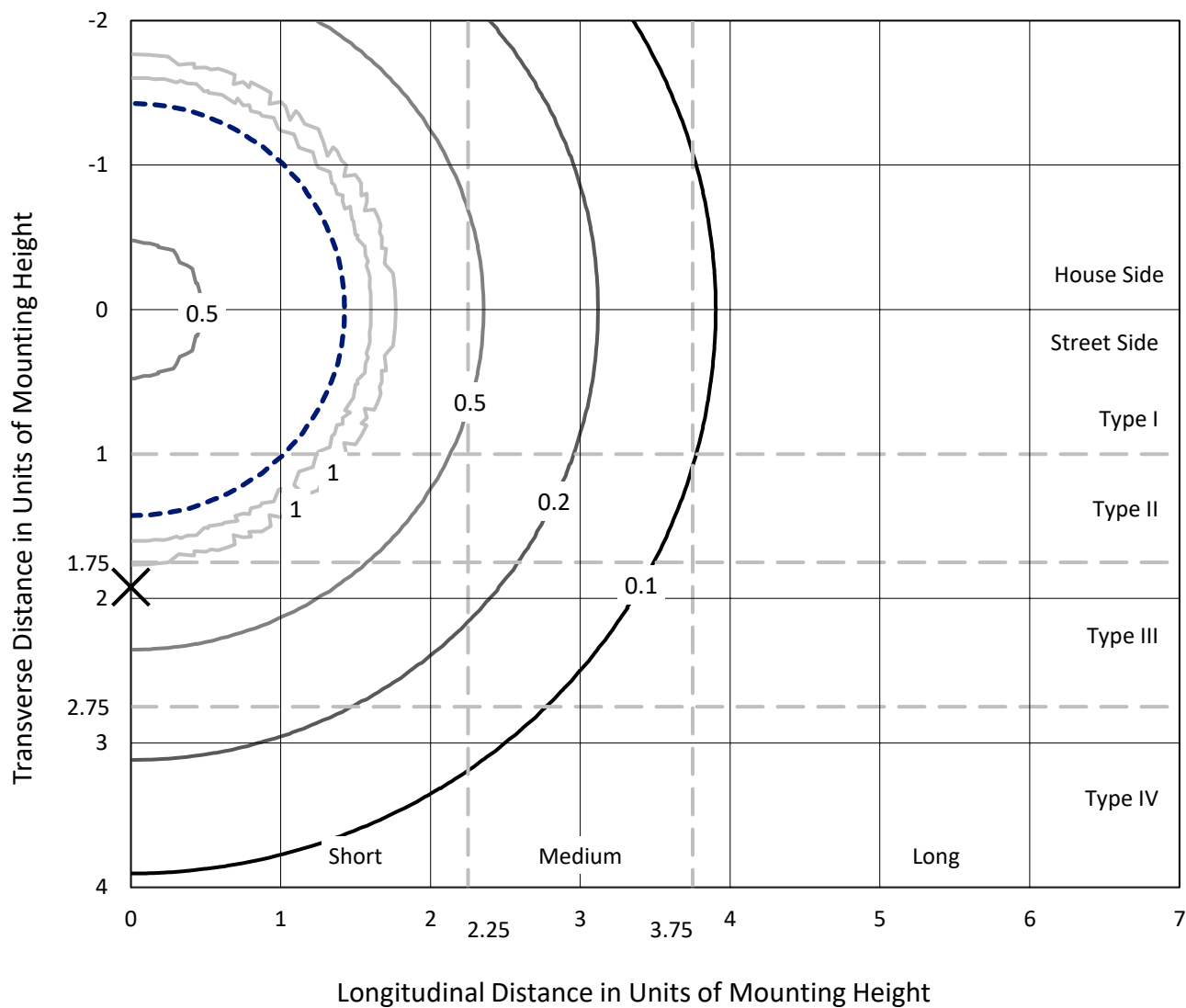
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

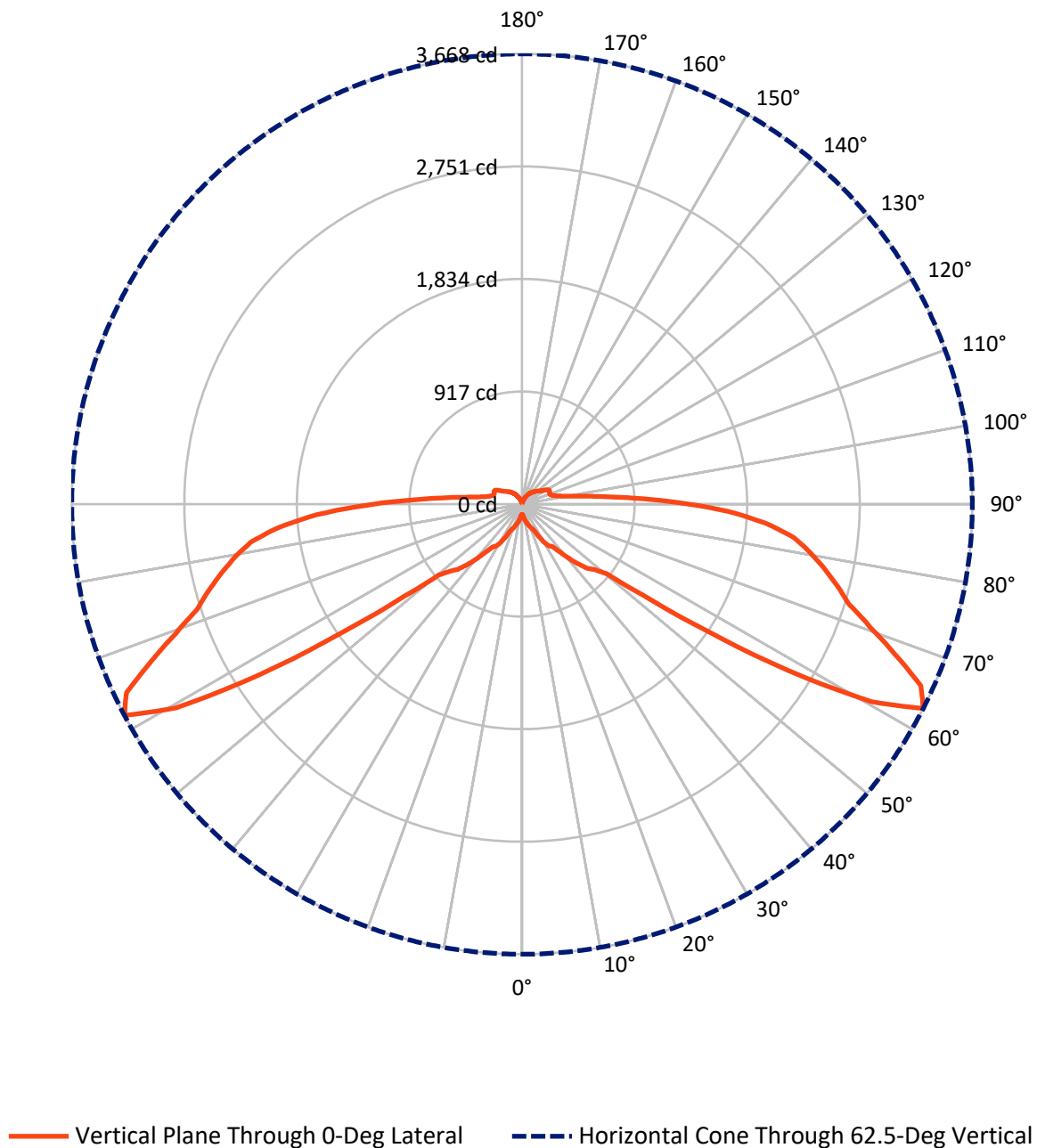


Based on 20 foot mounting height. Maximum calculated value = 1 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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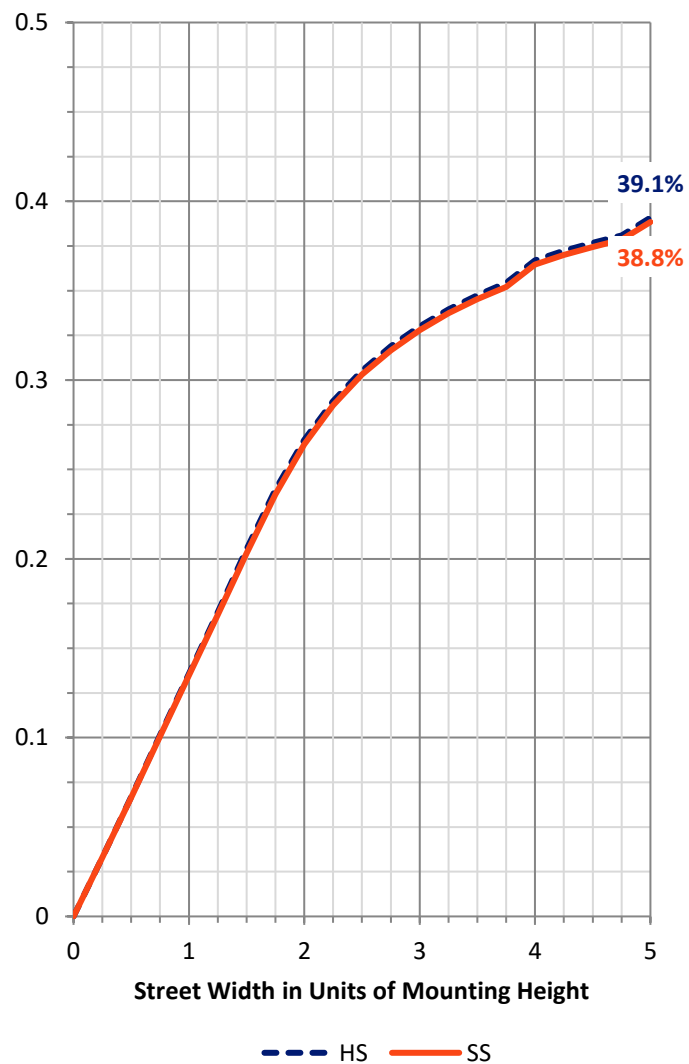
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5542.7	841.8	6384.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5542.7	841.8	6384.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	11085.4	1683.6	12769.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.1
10°-20°	48.4	0.4
20°-30°	125.8	1.0
30°-40°	283.0	2.2
40°-50°	571.7	4.5
50°-60°	1740.8	13.6
60°-70°	3387.0	26.5
70°-80°	2812.6	22.0
80°-90°	2105.7	16.5
90°-100°	771.2	6.0
100°-110°	290.3	2.3
110°-120°	242.0	1.9
120°-130°	170.5	1.3
130°-140°	110.5	0.9
140°-150°	64.0	0.5
150°-160°	27.6	0.2
160°-170°	7.0	0.1
170°-180°	0.6	0.0
0°-90°	11085.4	86.8
0°-180°	12769.0	100.0

Coefficient of Utilization



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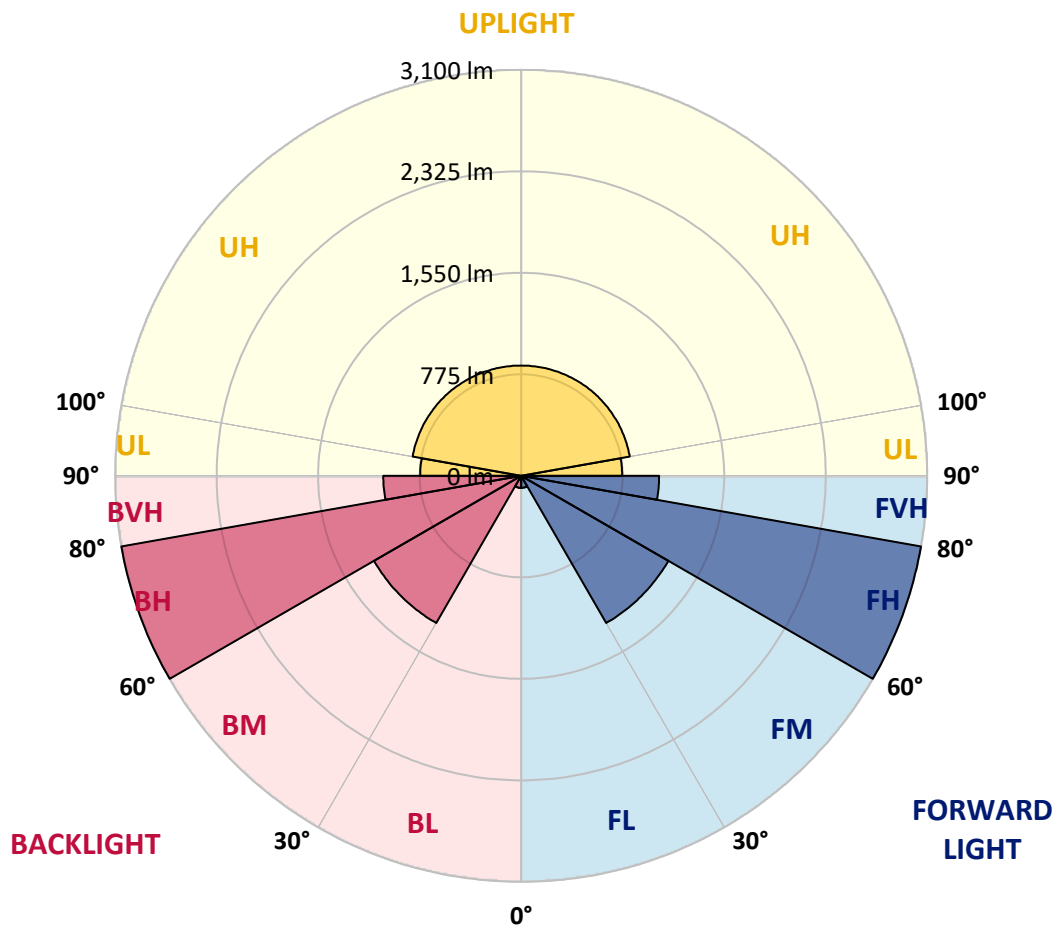
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.4	0.7			
FM	(30°-60°)	1297.7	10.2			
FH	(60°-80°)	3099.8	24.3			G2/5000
FVH	(80°-90°)	1052.8	8.2			G5
BL	(0°-30°)	92.4	0.7	B0/110		
BM	(30°-60°)	1297.7	10.2	B2/2500		
BH	(60°-80°)	3099.8	24.3	B4/5000		G2/5000
BVH	(80°-90°)	1052.8	8.2			G5
UL	(90°-100°)	771.2	6.0		U4/1000	
UH	(100°-180°)	841.8	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	85.1
2.5°	86.8
5°	97.0
7.5°	115.7
10°	132.8
12.5°	149.8
15°	166.8
17.5°	183.8
20°	204.3
22.5°	219.6
25°	251.9
27.5°	309.8
30°	367.7
32.5°	406.8
35°	423.8
37.5°	486.8
40°	571.9
42.5°	660.4
45°	745.5
47.5°	800.0
50°	888.5
52.5°	1218.7
55°	1807.6
57.5°	2559.9
60°	3271.4
62.5°	3668.0
65°	3569.3
67.5°	3281.6
70°	3011.0
72.5°	2782.9
75°	2650.1
77.5°	2515.7
80°	2377.8
82.5°	2229.7
85°	1991.4
87.5°	1674.9
90°	1280.0
92.5°	912.3
95°	634.9
97.5°	459.6
100°	352.3
102.5°	292.8
105°	262.1
107.5°	245.1
110°	240.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	243.4
115°	250.2
117.5°	246.8
120°	229.8
122.5°	204.3
125°	185.5
127.5°	171.9
130°	161.7
132.5°	151.5
135°	143.0
137.5°	132.8
140°	120.8
142.5°	110.6
145°	102.1
147.5°	91.9
150°	78.3
152.5°	68.1
155°	57.9
157.5°	49.4
160°	39.1
162.5°	30.6
165°	22.1
167.5°	15.3
170°	10.2
172.5°	5.1
175°	3.4
177.5°	5.1
180°	5.1

(END OF REPORT)