

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: P588458

Luminaire Tested: **ARC-CA6-50-740-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588458
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-CA6-50-740-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: 7502.9 lumens
Efficiency: N/A
Efficacy: 138.9 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): 54
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



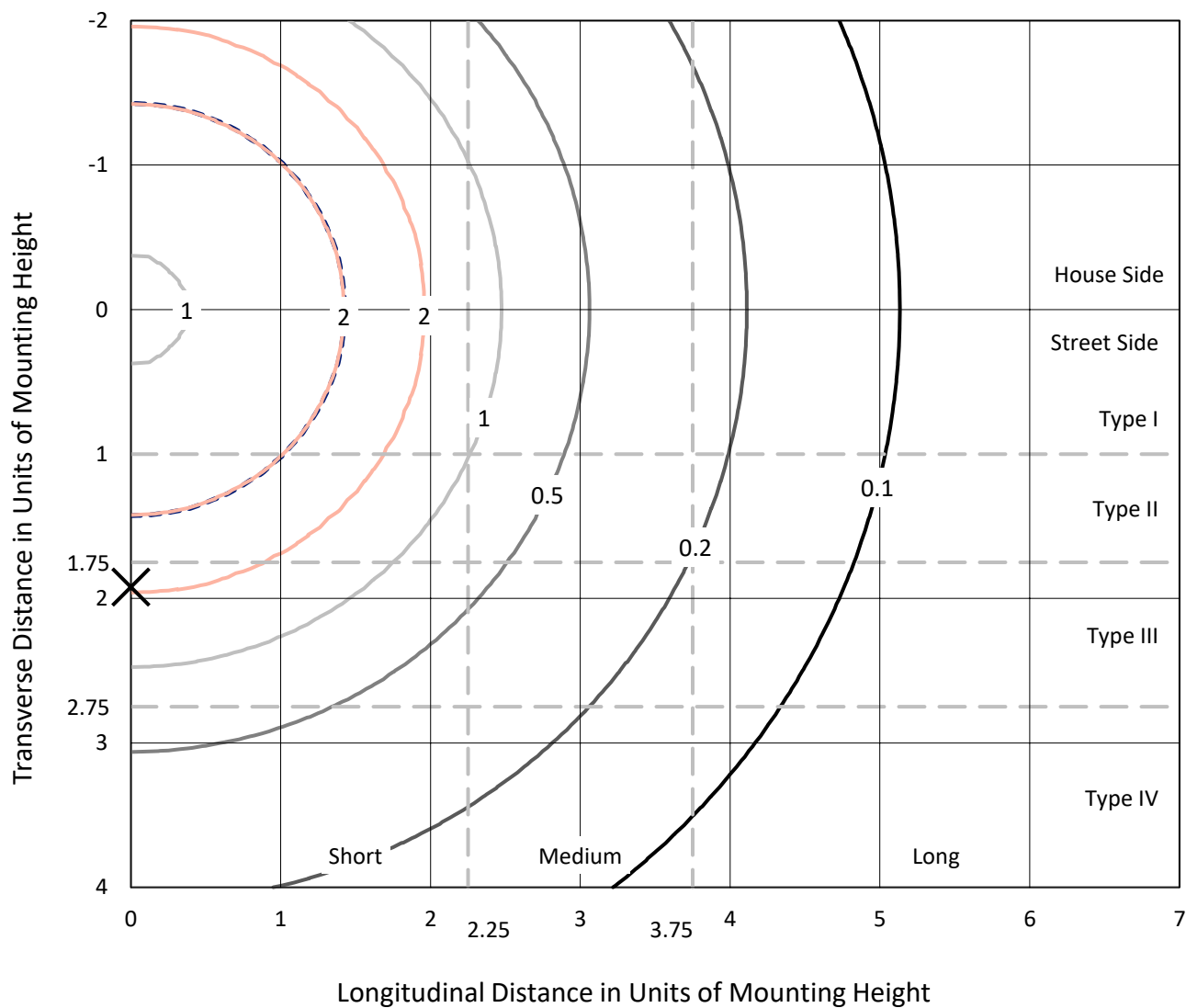
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

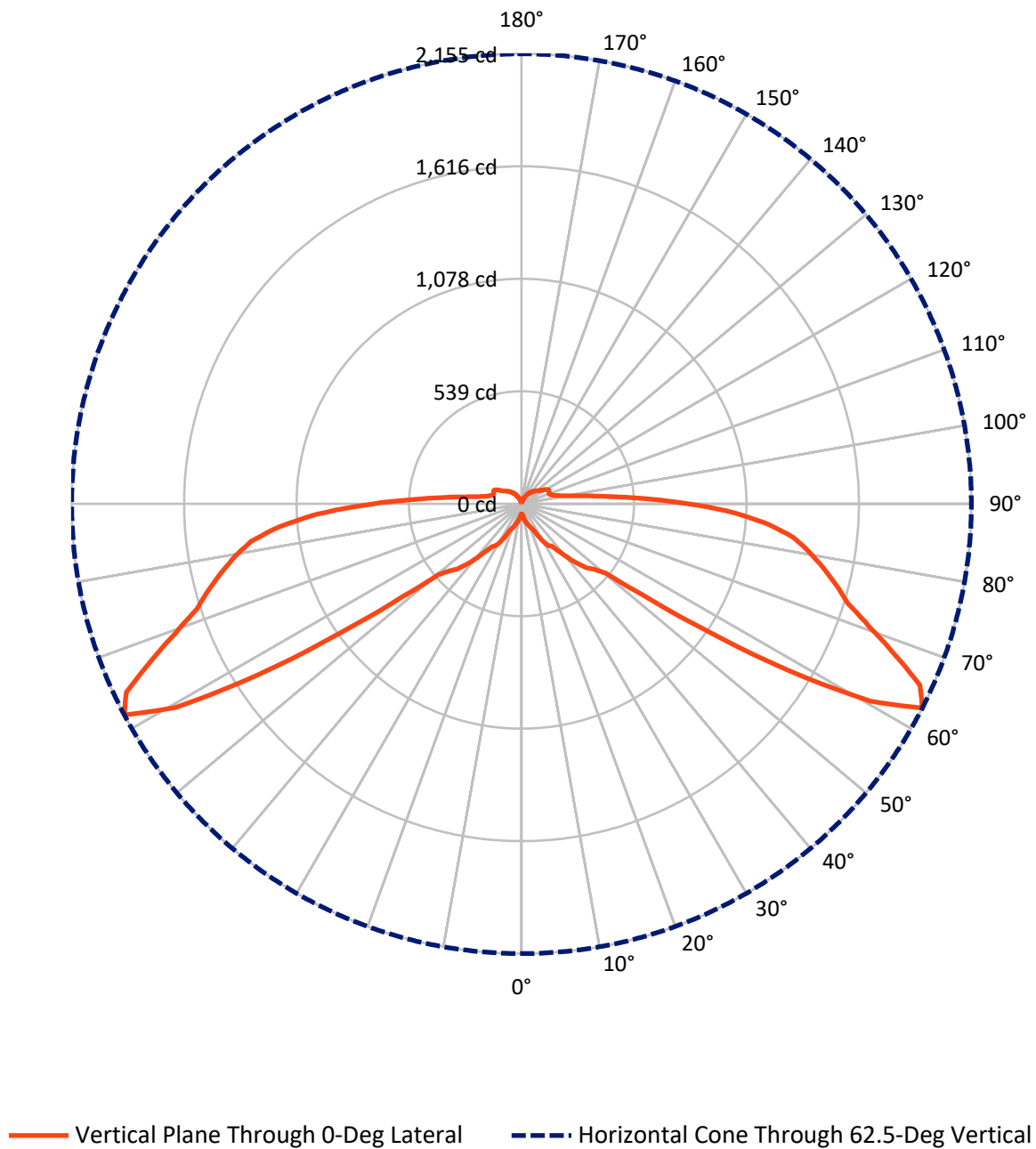


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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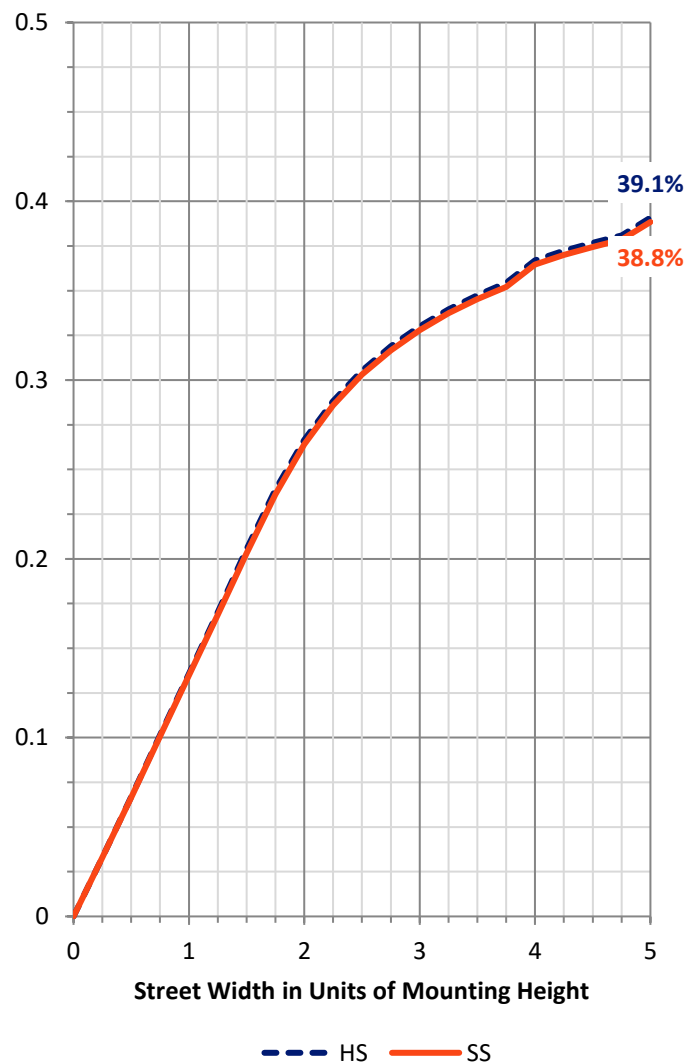
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3256.9	494.6	3751.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3256.9	494.6	3751.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	6513.7	989.2	7502.9
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	28.4	0.4
20°-30°	73.9	1.0
30°-40°	166.2	2.2
40°-50°	335.9	4.5
50°-60°	1022.9	13.6
60°-70°	1990.2	26.5
70°-80°	1652.6	22.0
80°-90°	1237.3	16.5
90°-100°	453.1	6.0
100°-110°	170.6	2.3
110°-120°	142.2	1.9
120°-130°	100.1	1.3
130°-140°	64.9	0.9
140°-150°	37.6	0.5
150°-160°	16.2	0.2
160°-170°	4.1	0.1
170°-180°	0.3	0.0
0°-90°	6513.7	86.8
0°-180°	7502.9	100.0

Coefficient of Utilization



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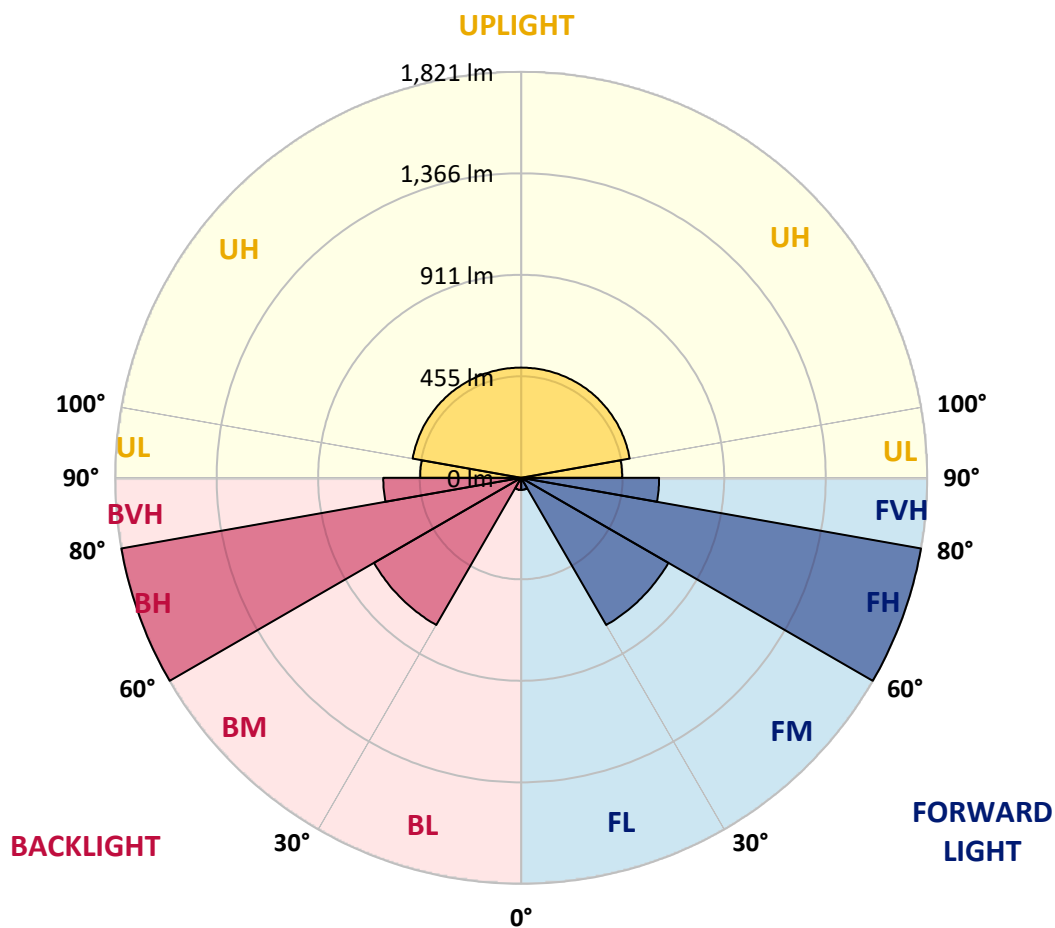
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	54.3	0.7			
FM	(30°-60°)	762.5	10.2			
FH	(60°-80°)	1821.4	24.3			G2/5000
FVH	(80°-90°)	618.7	8.2			G4/750
BL	(0°-30°)	54.3	0.7	B0/110		
BM	(30°-60°)	762.5	10.2	B1/1000		
BH	(60°-80°)	1821.4	24.3	B3/2500		G2/5000
BVH	(80°-90°)	618.7	8.2			G4/750
UL	(90°-100°)	453.1	6.0		U3/500	
UH	(100°-180°)	494.6	6.6		U3/500	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	50.0
2.5°	51.0
5°	57.0
7.5°	68.0
10°	78.0
12.5°	88.0
15°	98.0
17.5°	108.0
20°	120.0
22.5°	129.0
25°	148.0
27.5°	182.0
30°	216.0
32.5°	239.0
35°	249.0
37.5°	286.0
40°	336.0
42.5°	388.1
45°	438.1
47.5°	470.1
50°	522.1
52.5°	716.1
55°	1062.1
57.5°	1504.2
60°	1922.3
62.5°	2155.3
65°	2097.3
67.5°	1928.3
70°	1769.2
72.5°	1635.2
75°	1557.2
77.5°	1478.2
80°	1397.2
82.5°	1310.2
85°	1170.2
87.5°	984.1
90°	752.1
92.5°	536.1
95°	373.1
97.5°	270.0
100°	207.0
102.5°	172.0
105°	154.0
107.5°	144.0
110°	141.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	143.0
115°	147.0
117.5°	145.0
120°	135.0
122.5°	120.0
125°	109.0
127.5°	101.0
130°	95.0
132.5°	89.0
135°	84.0
137.5°	78.0
140°	71.0
142.5°	65.0
145°	60.0
147.5°	54.0
150°	46.0
152.5°	40.0
155°	34.0
157.5°	29.0
160°	23.0
162.5°	18.0
165°	13.0
167.5°	9.0
170°	6.0
172.5°	3.0
175°	2.0
177.5°	3.0
180°	3.0

(END OF REPORT)