

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: P588506

Luminaire Tested: **ARC-CA6-70-740-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588506
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-CA6-70-740-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: 10065 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U4 - G5

Input Watts (W): 73.9
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

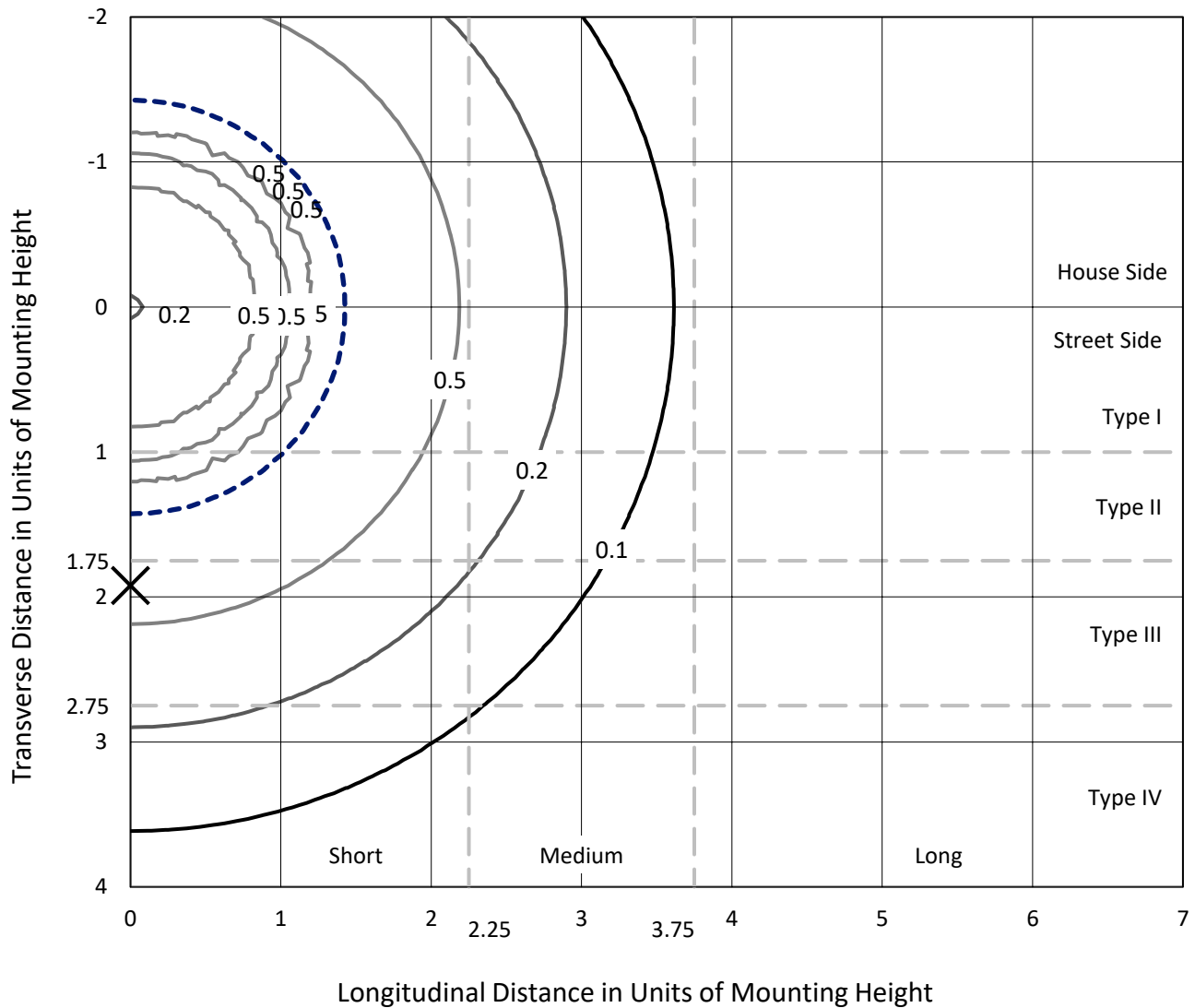


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

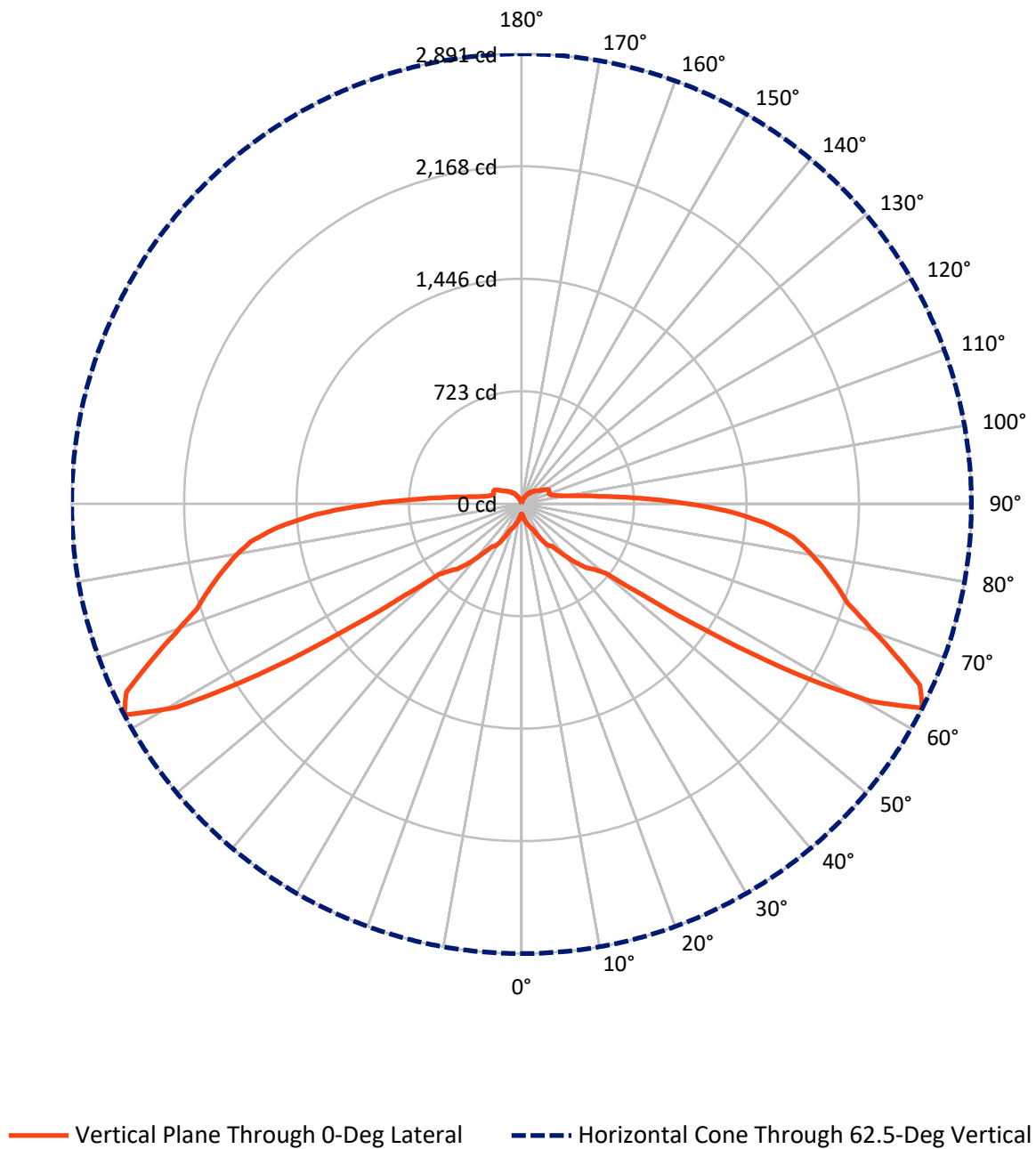


Based on 20 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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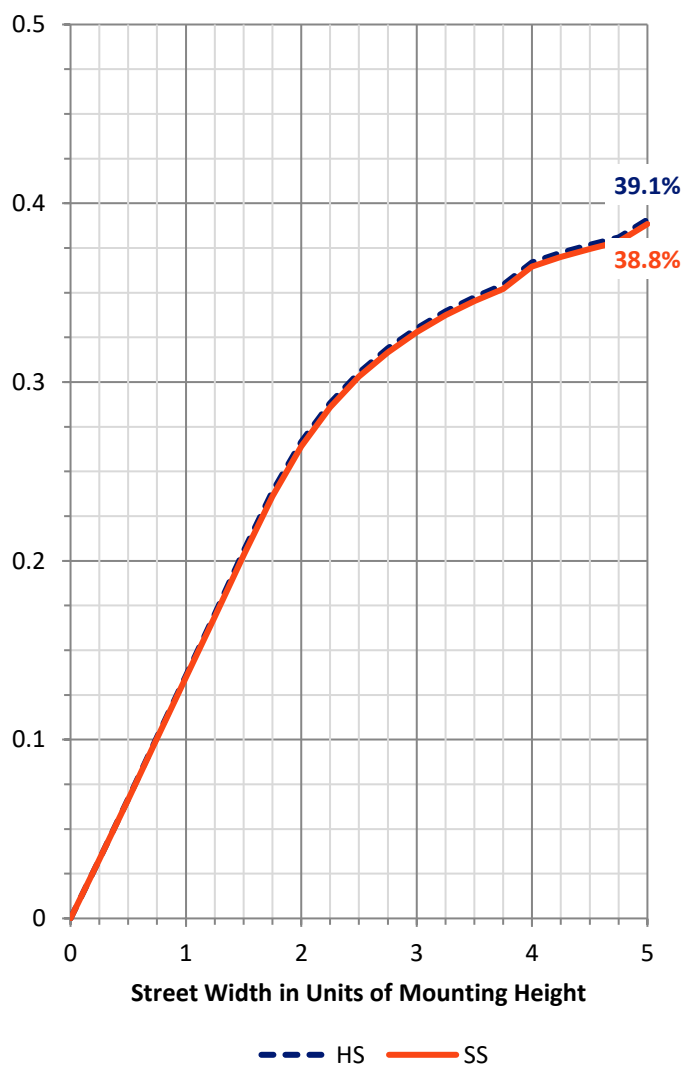
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4369.0	663.5	5032.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4369.0	663.5	5032.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	8738.0	1327.0	10065.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	38.2	0.4
20°-30°	99.2	1.0
30°-40°	223.0	2.2
40°-50°	450.6	4.5
50°-60°	1372.2	13.6
60°-70°	2669.7	26.5
70°-80°	2217.0	22.0
80°-90°	1659.8	16.5
90°-100°	607.8	6.0
100°-110°	228.8	2.3
110°-120°	190.8	1.9
120°-130°	134.4	1.3
130°-140°	87.1	0.9
140°-150°	50.4	0.5
150°-160°	21.8	0.2
160°-170°	5.5	0.1
170°-180°	0.4	0.0
0°-90°	8738.0	86.8
0°-180°	10065.0	100.0

Coefficient of Utilization



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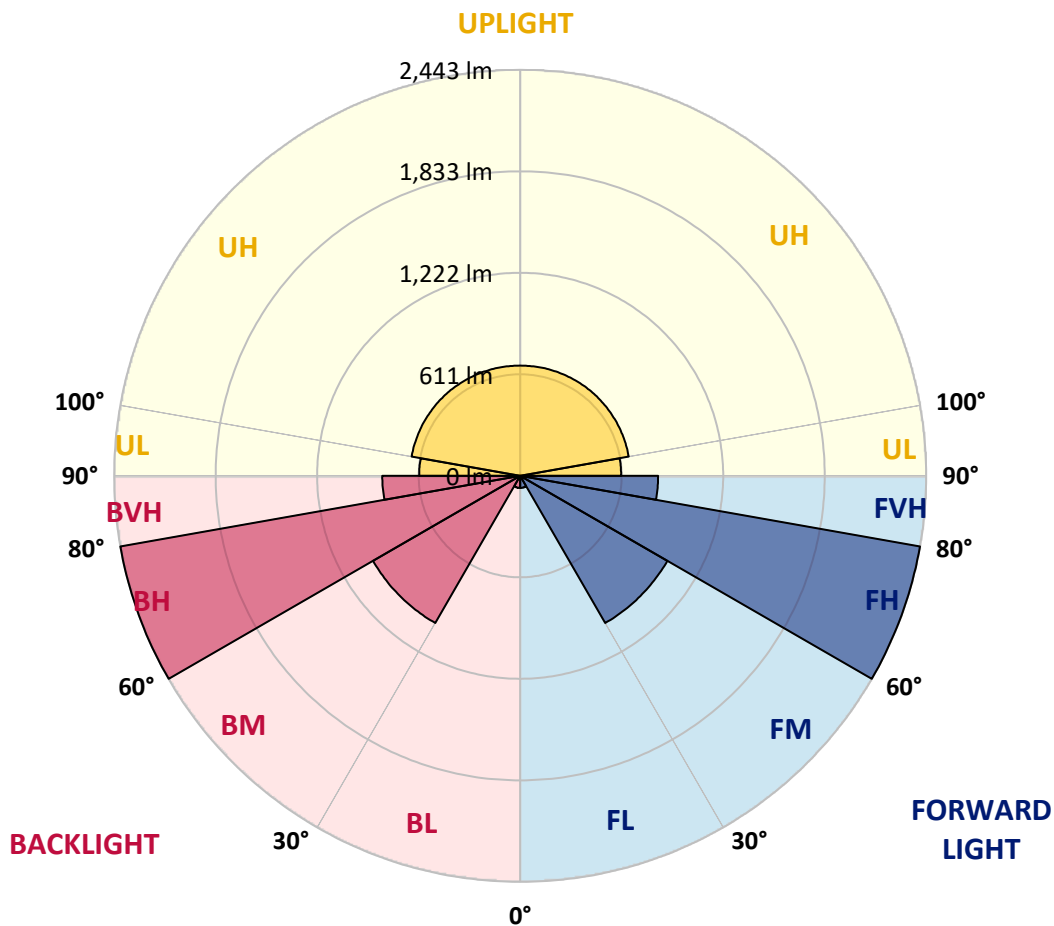
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.8	0.7			
FM	(30°-60°)	1022.9	10.2			
FH	(60°-80°)	2443.4	24.3			G2/5000
FVH	(80°-90°)	829.9	8.2			G5
BL	(0°-30°)	72.8	0.7	B0/110		
BM	(30°-60°)	1022.9	10.2	B2/2500		
BH	(60°-80°)	2443.4	24.3	B3/2500		G2/5000
BVH	(80°-90°)	829.9	8.2			G5
UL	(90°-100°)	607.8	6.0		U4/1000	
UH	(100°-180°)	663.5	6.6		U4/1000	

BUG Rating: B3-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	67.1
2.5°	68.4
5°	76.5
7.5°	91.2
10°	104.6
12.5°	118.1
15°	131.5
17.5°	144.9
20°	161.0
22.5°	173.1
25°	198.6
27.5°	244.2
30°	289.8
32.5°	320.7
35°	334.1
37.5°	383.7
40°	450.8
42.5°	520.6
45°	587.6
47.5°	630.6
50°	700.3
52.5°	960.6
55°	1424.8
57.5°	2017.8
60°	2578.6
62.5°	2891.3
65°	2813.4
67.5°	2586.7
70°	2373.4
72.5°	2193.6
75°	2088.9
77.5°	1983.0
80°	1874.3
82.5°	1757.6
85°	1569.7
87.5°	1320.2
90°	1008.9
92.5°	719.1
95°	500.4
97.5°	362.2
100°	277.7
102.5°	230.8
105°	206.6
107.5°	193.2
110°	189.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	191.9
115°	197.2
117.5°	194.5
120°	181.1
122.5°	161.0
125°	146.2
127.5°	135.5
130°	127.5
132.5°	119.4
135°	112.7
137.5°	104.6
140°	95.3
142.5°	87.2
145°	80.5
147.5°	72.4
150°	61.7
152.5°	53.7
155°	45.6
157.5°	38.9
160°	30.9
162.5°	24.1
165°	17.4
167.5°	12.1
170°	8.0
172.5°	4.0
175°	2.7
177.5°	4.0
180°	4.0

(END OF REPORT)