

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: P588550

Luminaire Tested: **ARC-CA6-90-730-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588550
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-CA6-90-730-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12251 lumens
Efficiency: N/A
Efficacy: 130.5 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



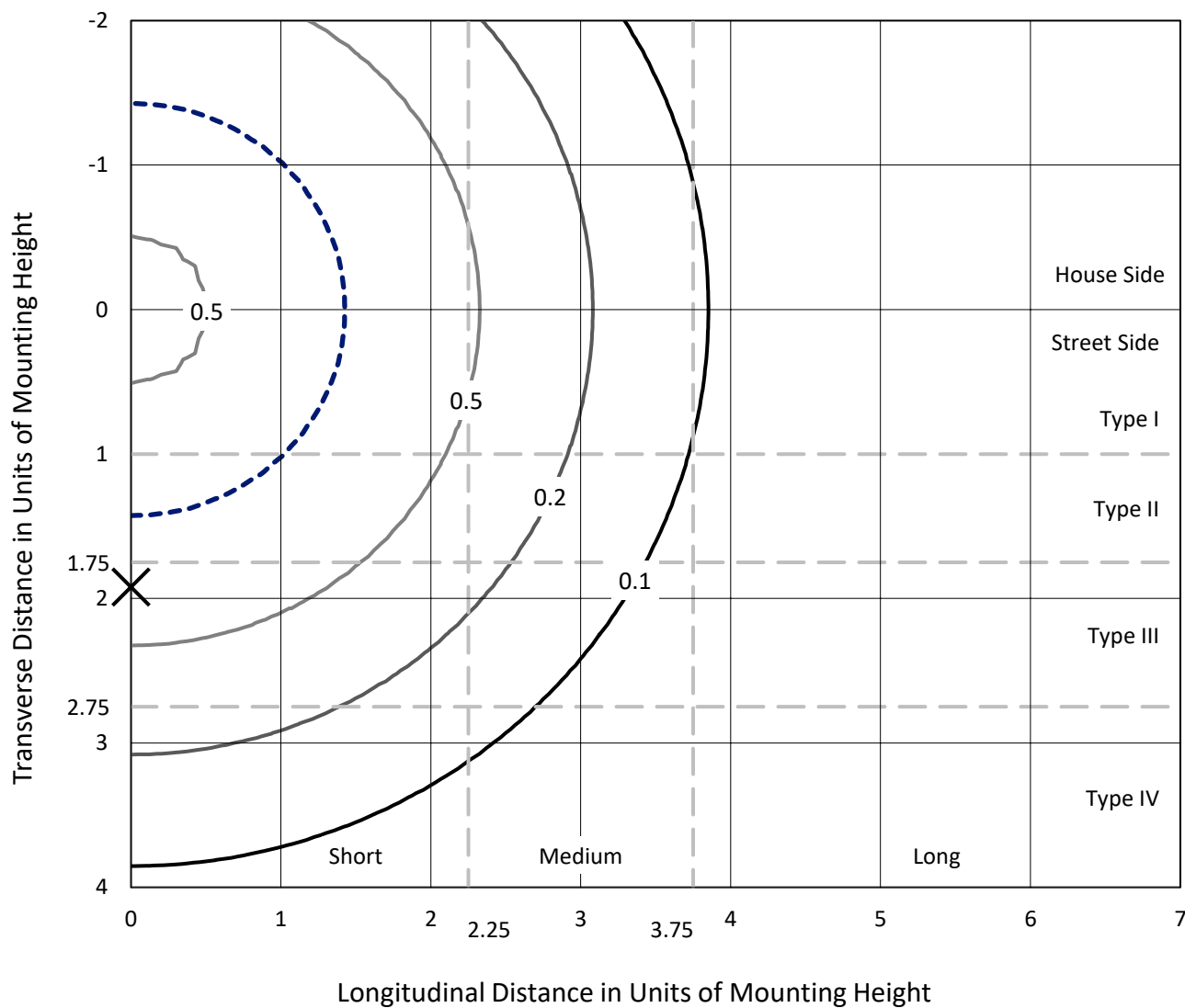
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

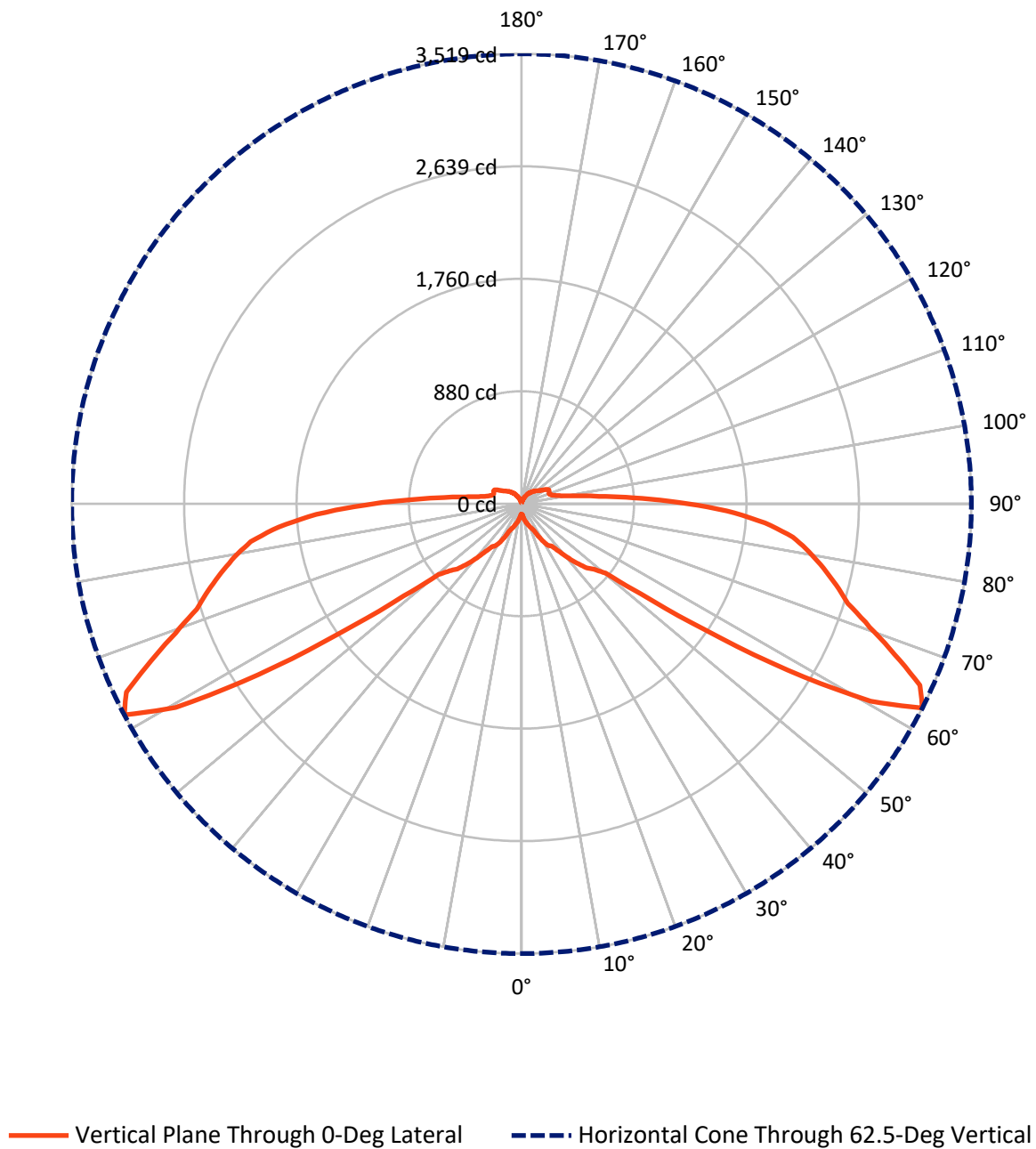


Based on 20 foot mounting height. Maximum calculated value = 1 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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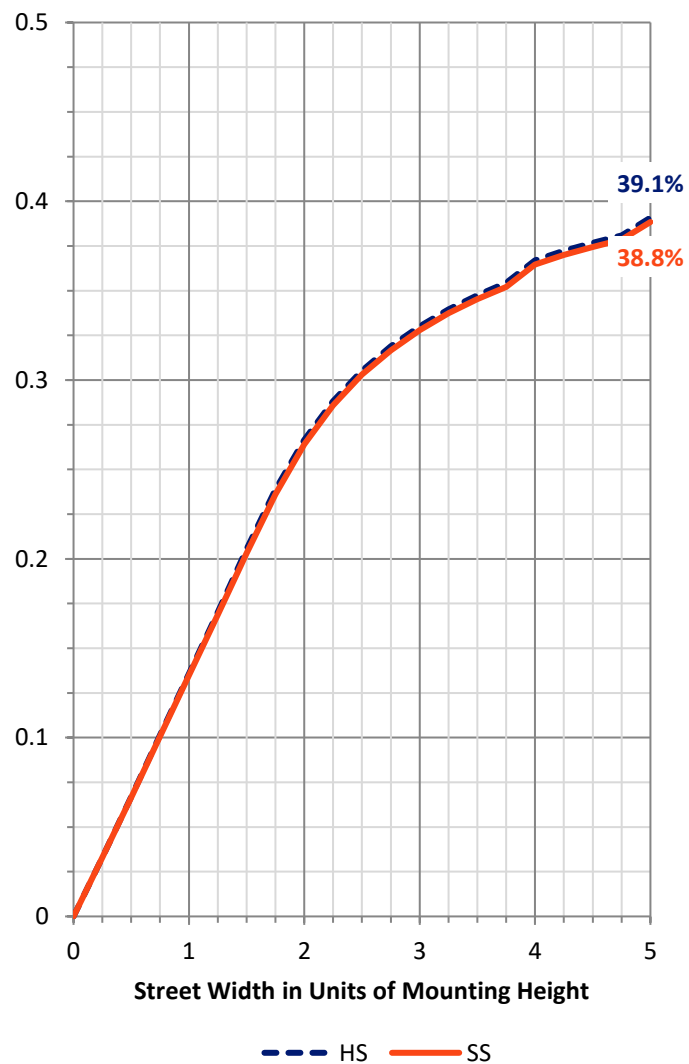
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5317.9	807.6	6125.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5317.9	807.6	6125.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	10635.7	1615.3	12251.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	46.5	0.4
20°-30°	120.7	1.0
30°-40°	271.5	2.2
40°-50°	548.5	4.5
50°-60°	1670.2	13.6
60°-70°	3249.6	26.5
70°-80°	2698.5	22.0
80°-90°	2020.3	16.5
90°-100°	739.8	6.0
100°-110°	278.5	2.3
110°-120°	232.2	1.9
120°-130°	163.5	1.3
130°-140°	106.0	0.9
140°-150°	61.4	0.5
150°-160°	26.5	0.2
160°-170°	6.7	0.1
170°-180°	0.5	0.0
0°-90°	10635.7	86.8
0°-180°	12251.0	100.0

Coefficient of Utilization



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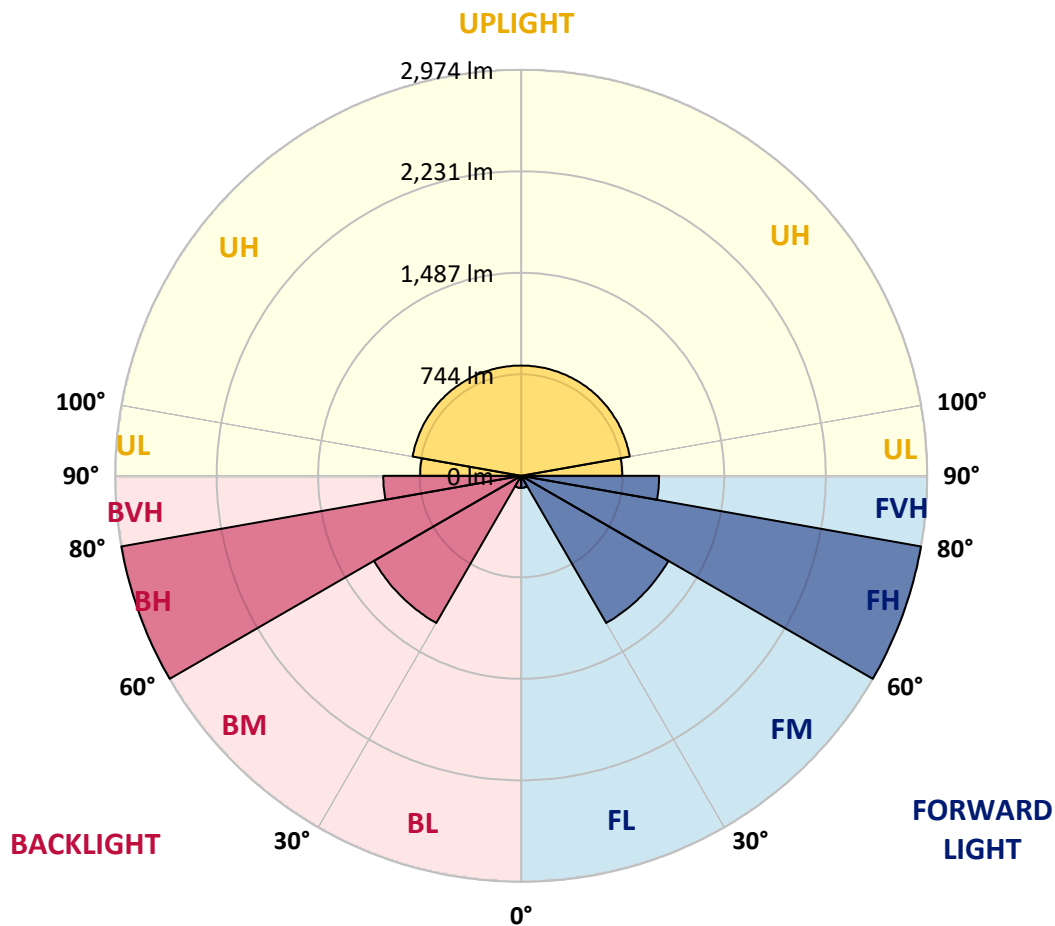
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.6	0.7			
FM	(30°-60°)	1245.1	10.2			
FH	(60°-80°)	2974.0	24.3			G2/5000
FVH	(80°-90°)	1010.1	8.2			G5
BL	(0°-30°)	88.6	0.7	B0/110		
BM	(30°-60°)	1245.1	10.2	B2/2500		
BH	(60°-80°)	2974.0	24.3	B4/5000		G2/5000
BVH	(80°-90°)	1010.1	8.2			G5
UL	(90°-100°)	739.8	6.0		U4/1000	
UH	(100°-180°)	807.6	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	81.7
2.5°	83.3
5°	93.1
7.5°	111.0
10°	127.4
12.5°	143.7
15°	160.0
17.5°	176.4
20°	196.0
22.5°	210.7
25°	241.7
27.5°	297.2
30°	352.7
32.5°	390.3
35°	406.6
37.5°	467.0
40°	548.7
42.5°	633.6
45°	715.3
47.5°	767.5
50°	852.4
52.5°	1169.3
55°	1734.3
57.5°	2456.1
60°	3138.7
62.5°	3519.2
65°	3424.5
67.5°	3148.5
70°	2888.8
72.5°	2670.0
75°	2542.6
77.5°	2413.6
80°	2281.4
82.5°	2139.3
85°	1910.7
87.5°	1606.9
90°	1228.0
92.5°	875.3
95°	609.1
97.5°	440.9
100°	338.0
102.5°	280.9
105°	251.5
107.5°	235.2
110°	230.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	233.5
115°	240.1
117.5°	236.8
120°	220.5
122.5°	196.0
125°	178.0
127.5°	164.9
130°	155.1
132.5°	145.3
135°	137.2
137.5°	127.4
140°	115.9
142.5°	106.1
145°	98.0
147.5°	88.2
150°	75.1
152.5°	65.3
155°	55.5
157.5°	47.4
160°	37.6
162.5°	29.4
165°	21.2
167.5°	14.7
170°	9.8
172.5°	4.9
175°	3.3
177.5°	4.9
180°	4.9

(END OF REPORT)