

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: P588518

Luminaire Tested: **ARC-CA6-80-722-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588518
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-CA6-80-722-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9564.9 lumens
Efficiency: N/A
Efficacy: 113.3 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): 84.4
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



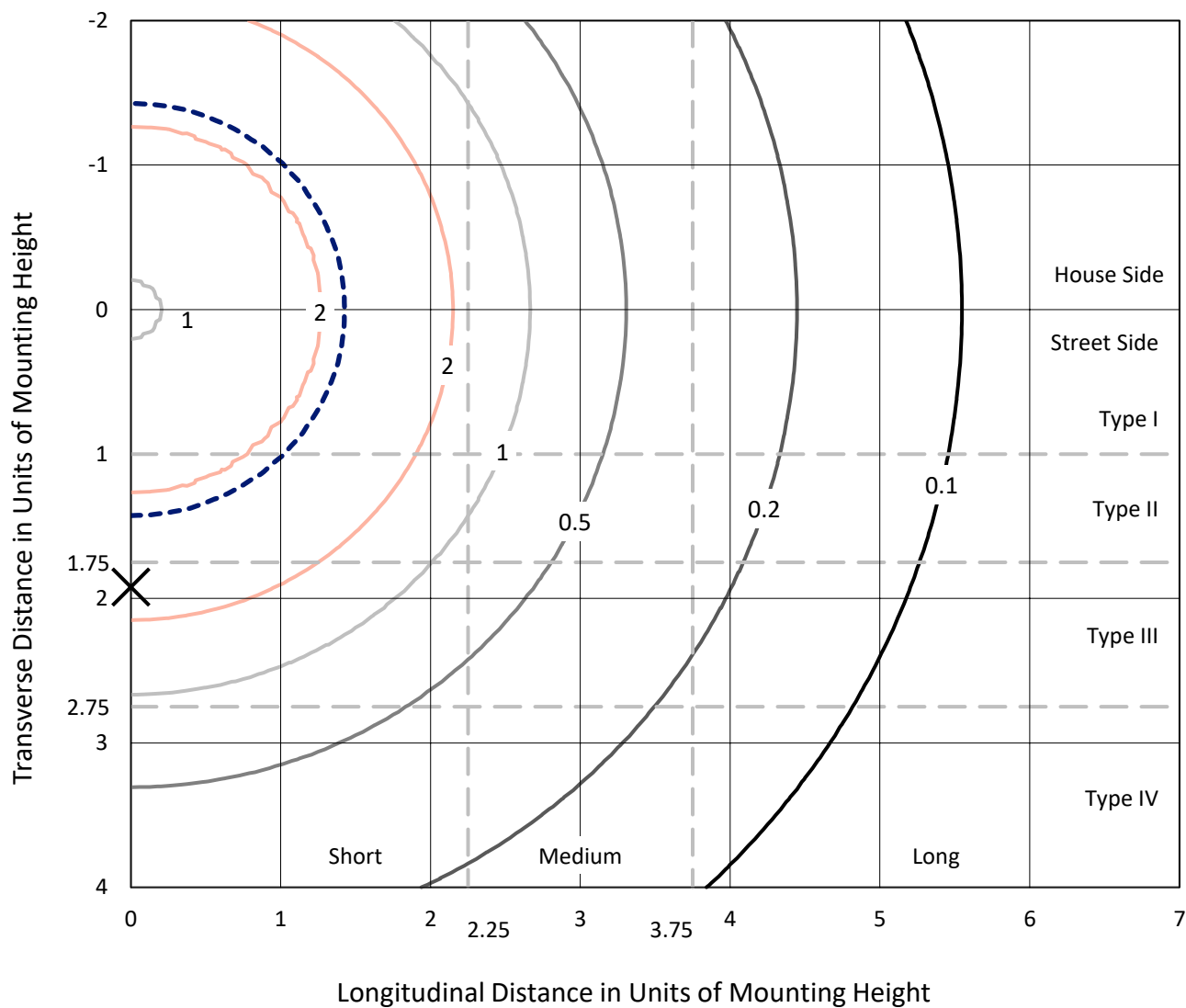
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

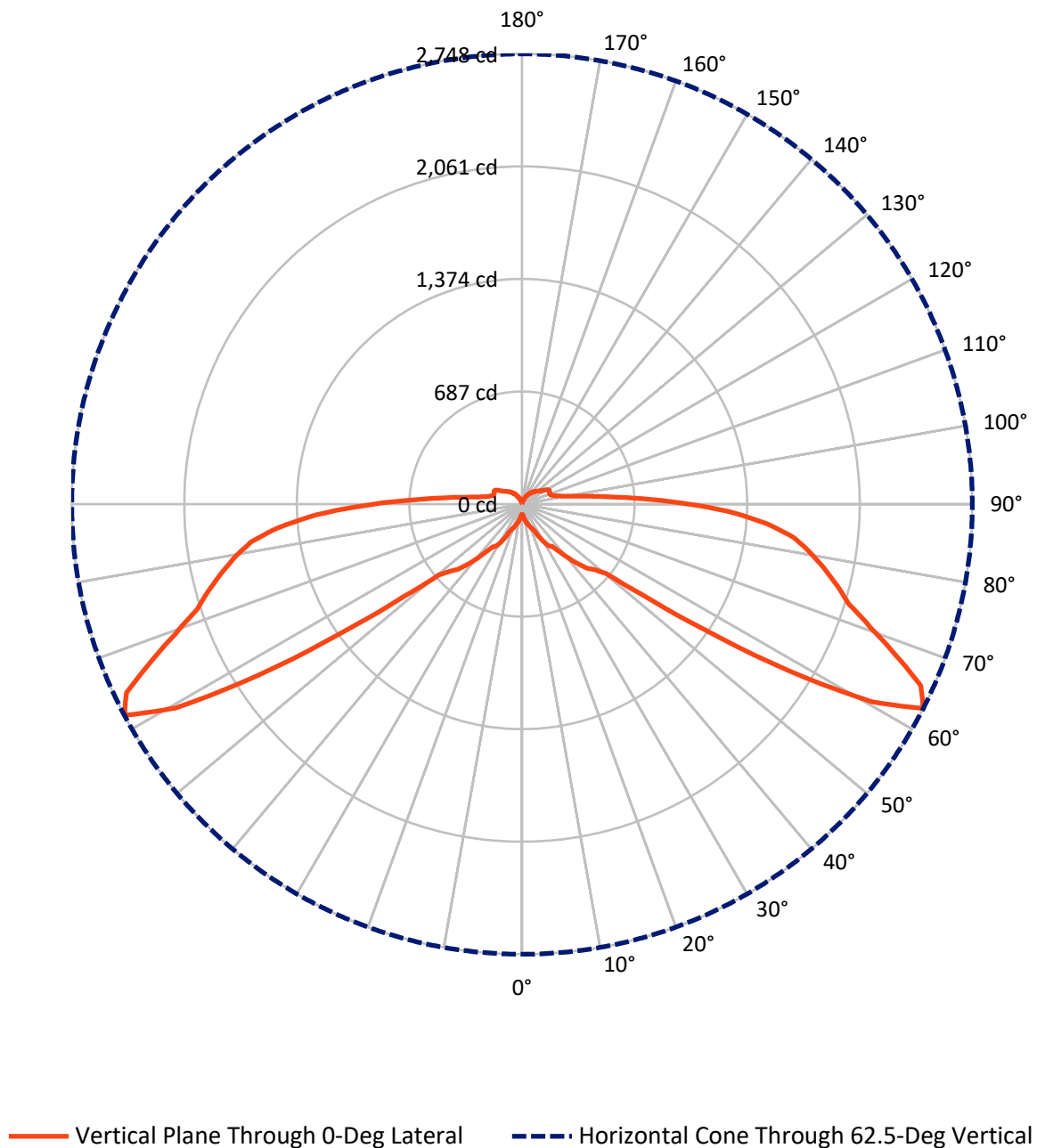


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
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Luminous Intensity Polar Plot



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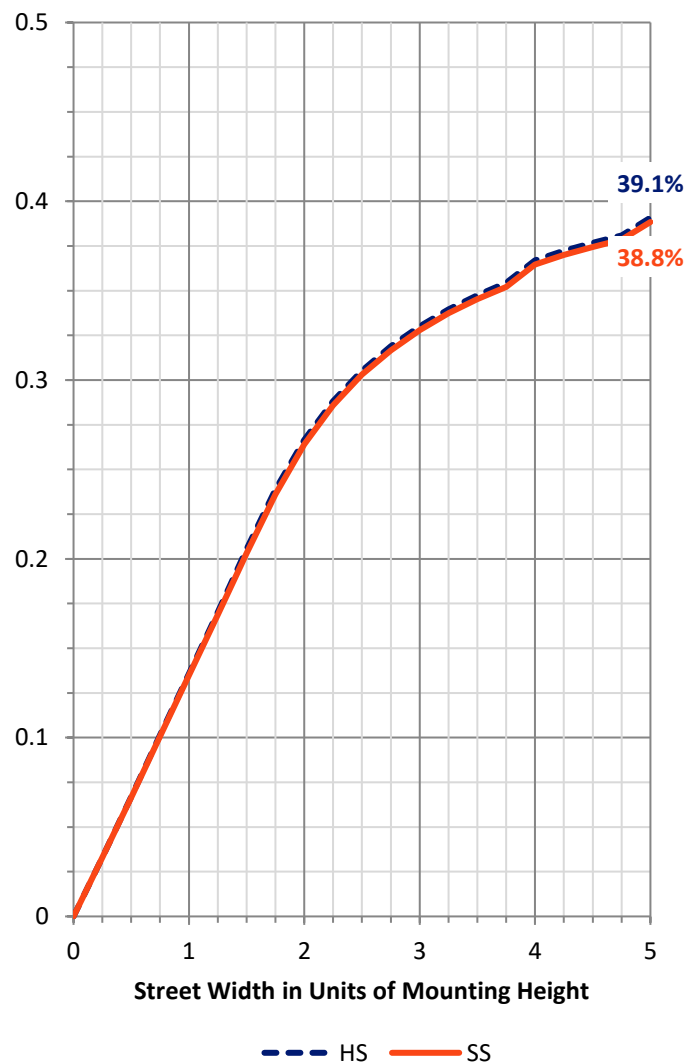
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4151.9	630.5	4782.4
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4151.9	630.5	4782.4
	% Fixture	43.4	6.6	50.0
Total	Lumens	8303.8	1261.1	9564.9
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	36.3	0.4
20°-30°	94.2	1.0
30°-40°	211.9	2.2
40°-50°	428.2	4.5
50°-60°	1304.0	13.6
60°-70°	2537.1	26.5
70°-80°	2106.8	22.0
80°-90°	1577.3	16.5
90°-100°	577.6	6.0
100°-110°	217.4	2.3
110°-120°	181.3	1.9
120°-130°	127.7	1.3
130°-140°	82.8	0.9
140°-150°	47.9	0.5
150°-160°	20.7	0.2
160°-170°	5.2	0.1
170°-180°	0.4	0.0
0°-90°	8303.8	86.8
0°-180°	9564.9	100.0

Coefficient of Utilization



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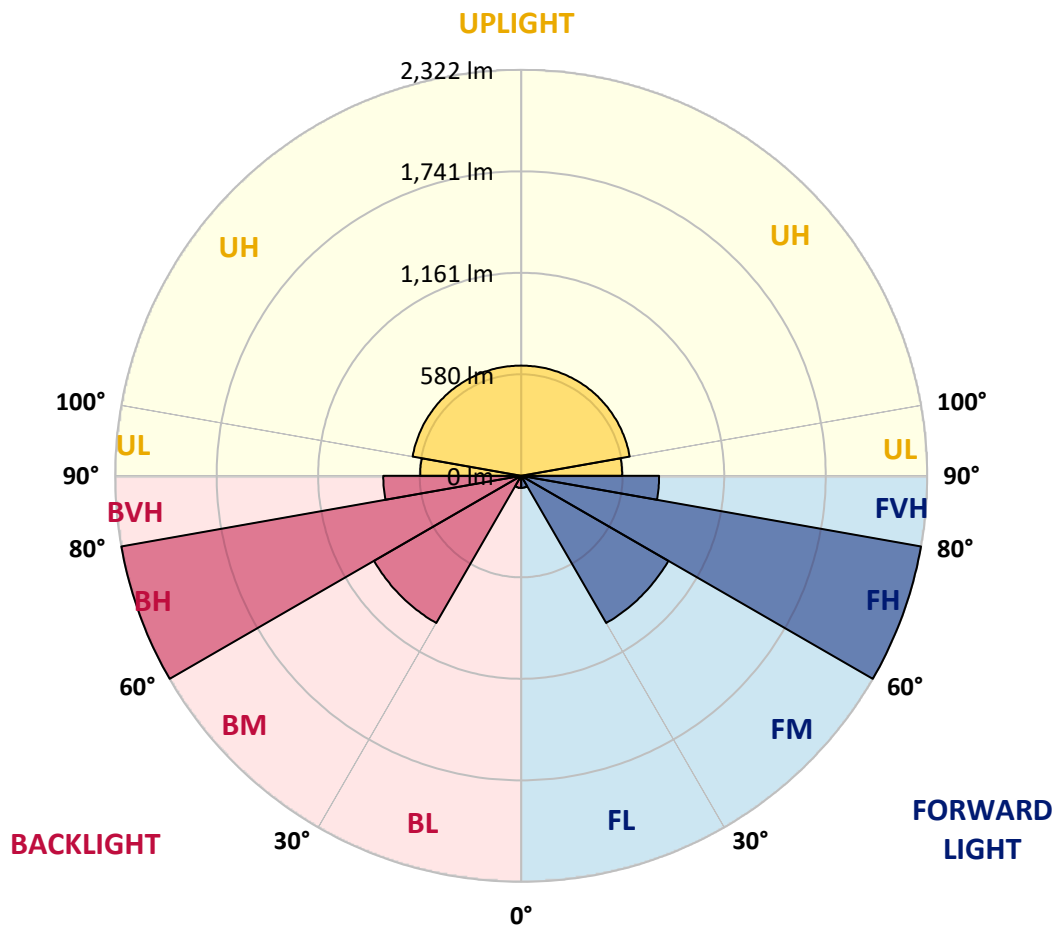
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.2	0.7			
FM	(30°-60°)	972.1	10.2			
FH	(60°-80°)	2322.0	24.3			G2/5000
FVH	(80°-90°)	788.7	8.2			G5
BL	(0°-30°)	69.2	0.7	B0/110		
BM	(30°-60°)	972.1	10.2	B1/1000		
BH	(60°-80°)	2322.0	24.3	B3/2500		G2/5000
BVH	(80°-90°)	788.7	8.2			G5
UL	(90°-100°)	577.6	6.0		U4/1000	
UH	(100°-180°)	630.5	6.6		U4/1000	

BUG Rating: B3-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	63.7
2.5°	65.0
5°	72.7
7.5°	86.7
10°	99.4
12.5°	112.2
15°	124.9
17.5°	137.7
20°	153.0
22.5°	164.5
25°	188.7
27.5°	232.0
30°	275.4
32.5°	304.7
35°	317.5
37.5°	364.6
40°	428.4
42.5°	494.7
45°	558.4
47.5°	599.2
50°	665.5
52.5°	912.9
55°	1354.0
57.5°	1917.6
60°	2450.5
62.5°	2747.6
65°	2673.7
67.5°	2458.2
70°	2255.5
72.5°	2084.6
75°	1985.2
77.5°	1884.4
80°	1781.2
82.5°	1670.2
85°	1491.7
87.5°	1254.6
90°	958.8
92.5°	683.4
95°	475.6
97.5°	344.2
100°	263.9
102.5°	219.3
105°	196.3
107.5°	183.6
110°	179.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	182.3
115°	187.4
117.5°	184.9
120°	172.1
122.5°	153.0
125°	139.0
127.5°	128.8
130°	121.1
132.5°	113.5
135°	107.1
137.5°	99.4
140°	90.5
142.5°	82.9
145°	76.5
147.5°	68.8
150°	58.6
152.5°	51.0
155°	43.3
157.5°	37.0
160°	29.3
162.5°	22.9
165°	16.6
167.5°	11.5
170°	7.6
172.5°	3.8
175°	2.5
177.5°	3.8
180°	3.8

(END OF REPORT)