

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: P588386

Luminaire Tested: **ARC-CA6-110-740-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588386
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-CA6-110-740-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: 14573 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

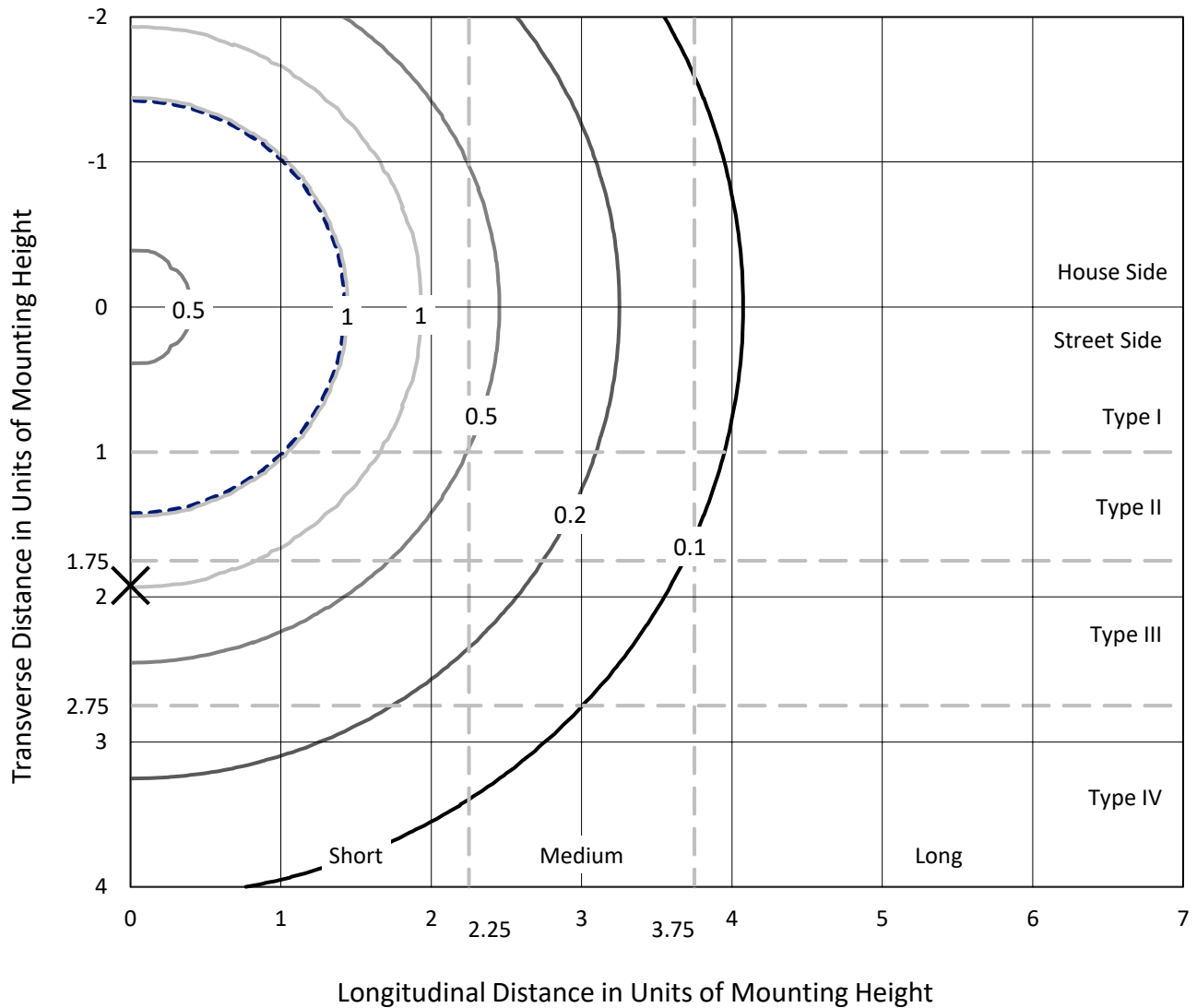
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

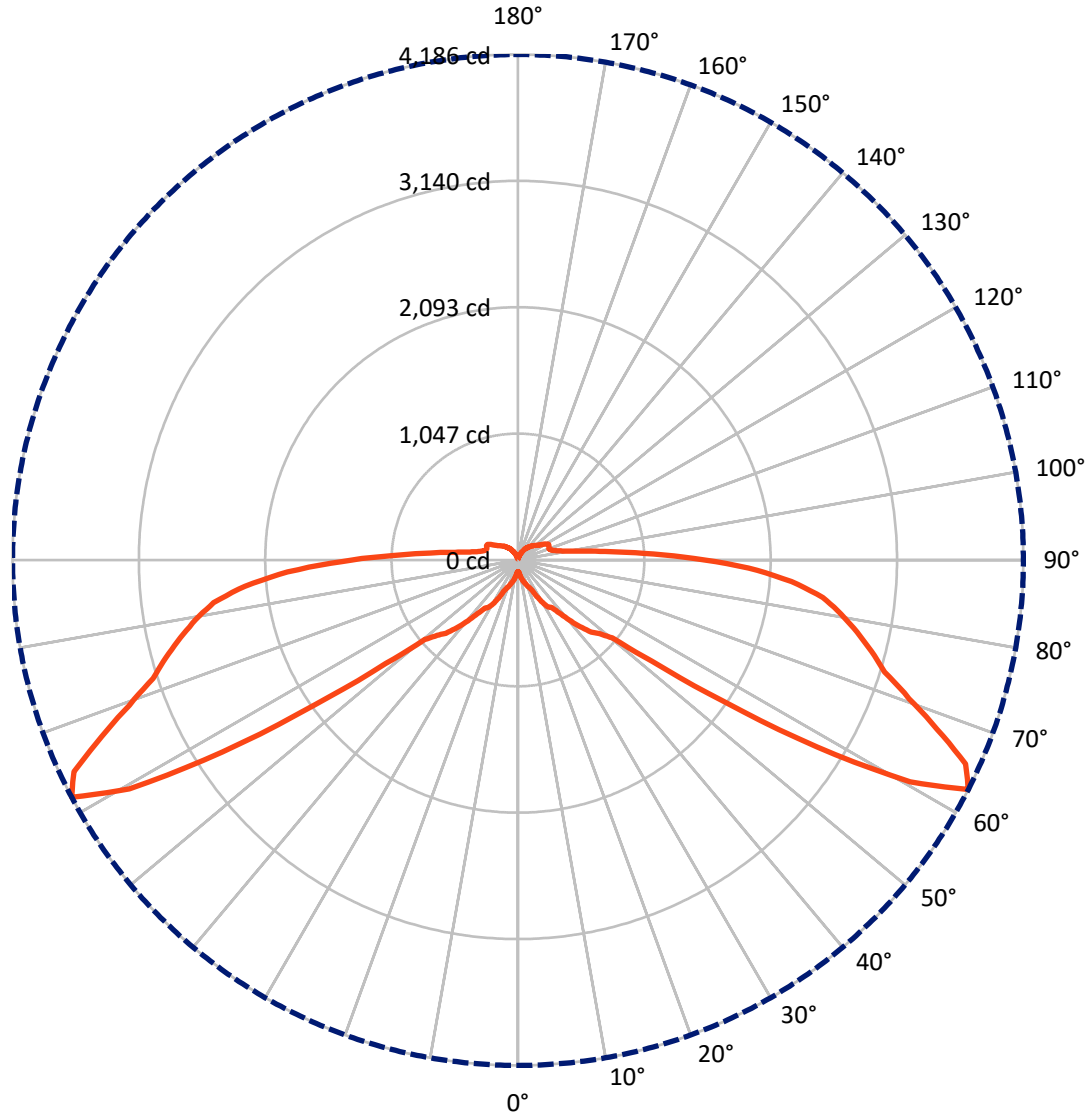
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.2 fc
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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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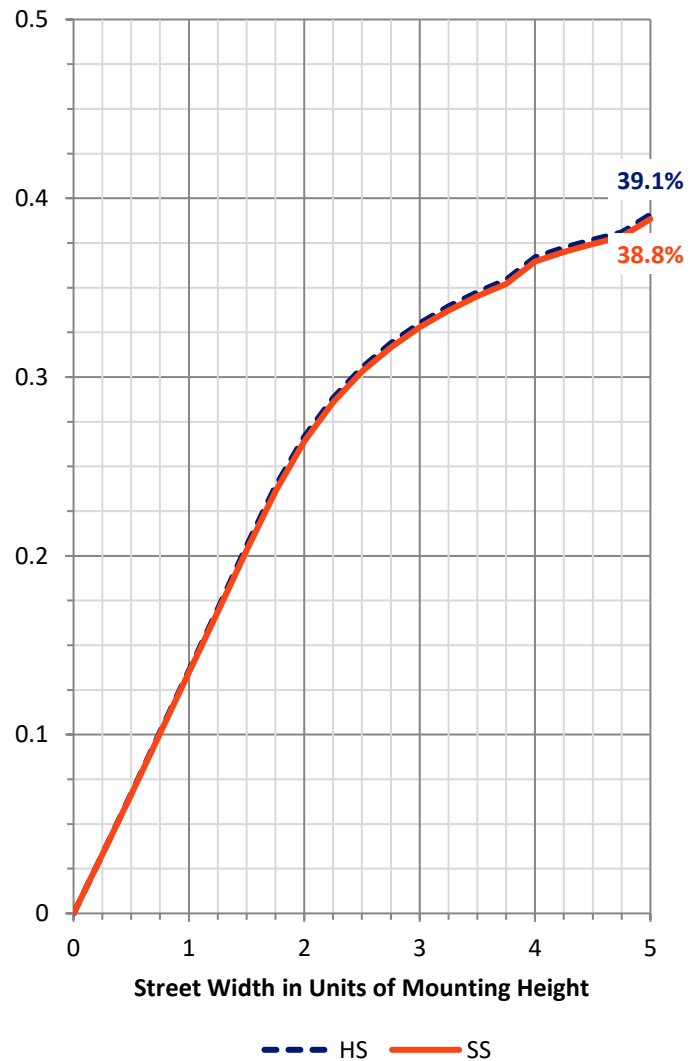
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6325.8	960.7	7286.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6325.8	960.7	7286.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	12651.6	1921.4	14573.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.1
10°-20°	55.3	0.4
20°-30°	143.6	1.0
30°-40°	322.9	2.2
40°-50°	652.4	4.5
50°-60°	1986.8	13.6
60°-70°	3865.5	26.5
70°-80°	3210.0	22.0
80°-90°	2403.2	16.5
90°-100°	880.1	6.0
100°-110°	331.3	2.3
110°-120°	276.3	1.9
120°-130°	194.5	1.3
130°-140°	126.1	0.9
140°-150°	73.0	0.5
150°-160°	31.5	0.2
160°-170°	8.0	0.1
170°-180°	0.6	0.0
0°-90°	12651.6	86.8
0°-180°	14573.0	100.0



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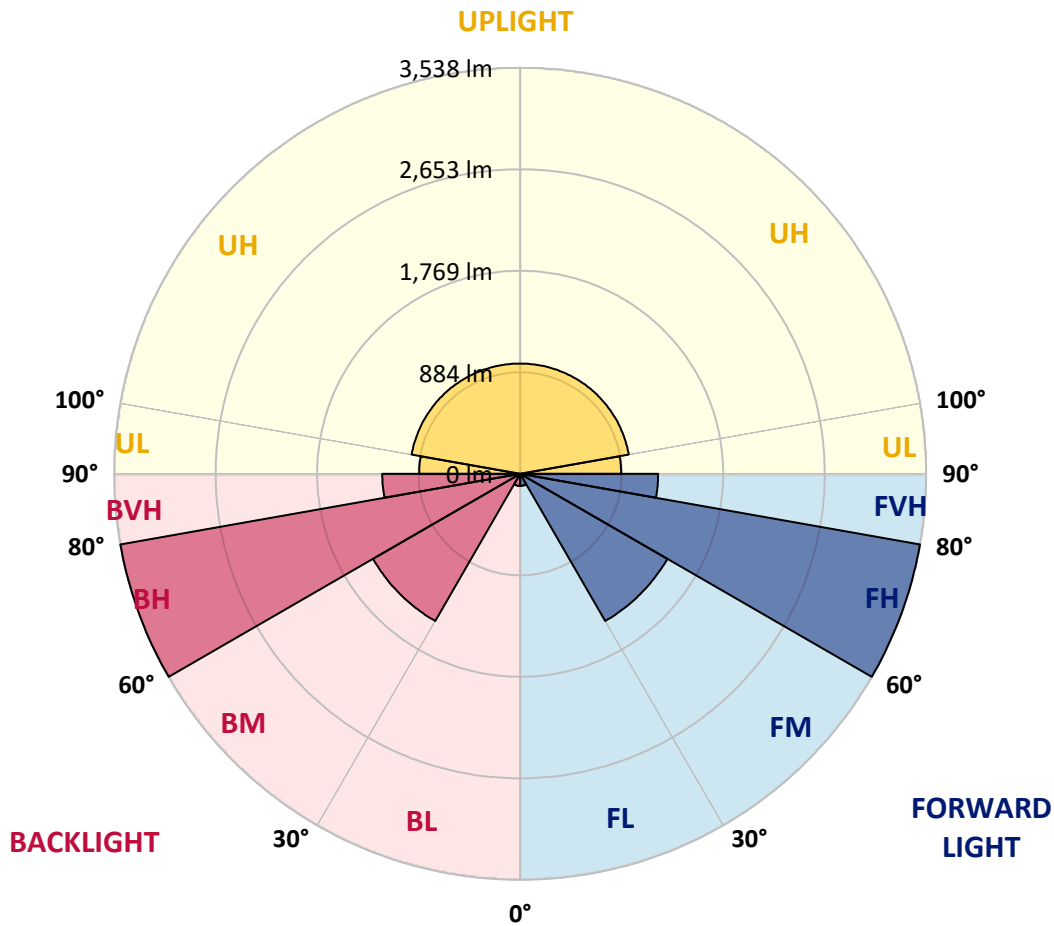
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.4	0.7			
FM (30°-60°)	1481.1	10.2			
FH (60°-80°)	3537.7	24.3			G2/5000
FVH (80°-90°)	1201.6	8.2			G5
BL (0°-30°)	105.4	0.7	B0/110		
BM (30°-60°)	1481.1	10.2	B2/2500		
BH (60°-80°)	3537.7	24.3	B4/5000		G2/5000
BVH (80°-90°)	1201.6	8.2			G5
UL (90°-100°)	880.1	6.0		U4/1000	
UH (100°-180°)	960.7	6.6		U4/1000	

BUG Rating: B4-U5-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	97.1
2.5°	99.1
5°	110.7
7.5°	132.1
10°	151.5
12.5°	170.9
15°	190.4
17.5°	209.8
20°	233.1
22.5°	250.6
25°	287.5
27.5°	353.5
30°	419.6
32.5°	464.3
35°	483.7
37.5°	555.6
40°	652.7
42.5°	753.7
45°	850.8
47.5°	913.0
50°	1014.0
52.5°	1390.9
55°	2063.0
57.5°	2921.6
60°	3733.6
62.5°	4186.2
65°	4073.5
67.5°	3745.2
70°	3436.4
72.5°	3176.1
75°	3024.6
77.5°	2871.1
80°	2713.8
82.5°	2544.7
85°	2272.8
87.5°	1911.5
90°	1460.8
92.5°	1041.2
95°	724.6
97.5°	524.5
100°	402.1
102.5°	334.1
105°	299.2
107.5°	279.7
110°	273.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	277.8
115°	285.6
117.5°	281.7
120°	262.2
122.5°	233.1
125°	211.7
127.5°	196.2
130°	184.5
132.5°	172.9
135°	163.2
137.5°	151.5
140°	137.9
142.5°	126.3
145°	116.6
147.5°	104.9
150°	89.4
152.5°	77.7
155°	66.0
157.5°	56.3
160°	44.7
162.5°	35.0
165°	25.3
167.5°	17.5
170°	11.7
172.5°	5.8
175°	3.9
177.5°	5.8
180°	5.8

(END OF REPORT)