

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: P588390

Luminaire Tested: **ARC-CA6-110-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588390
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-CA6-110-750-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14840 lumens
Efficiency: N/A
Efficacy: 132.3 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

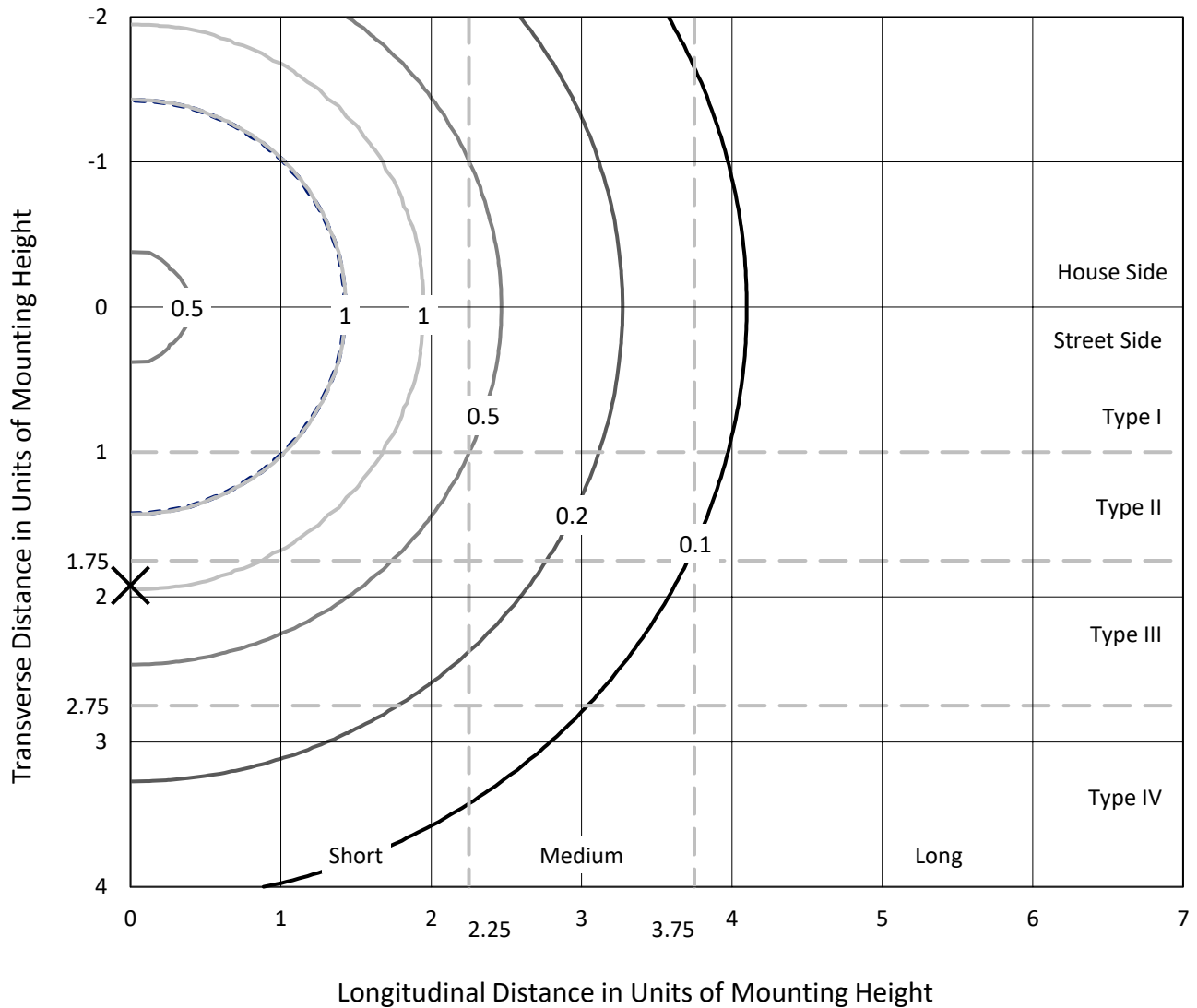
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

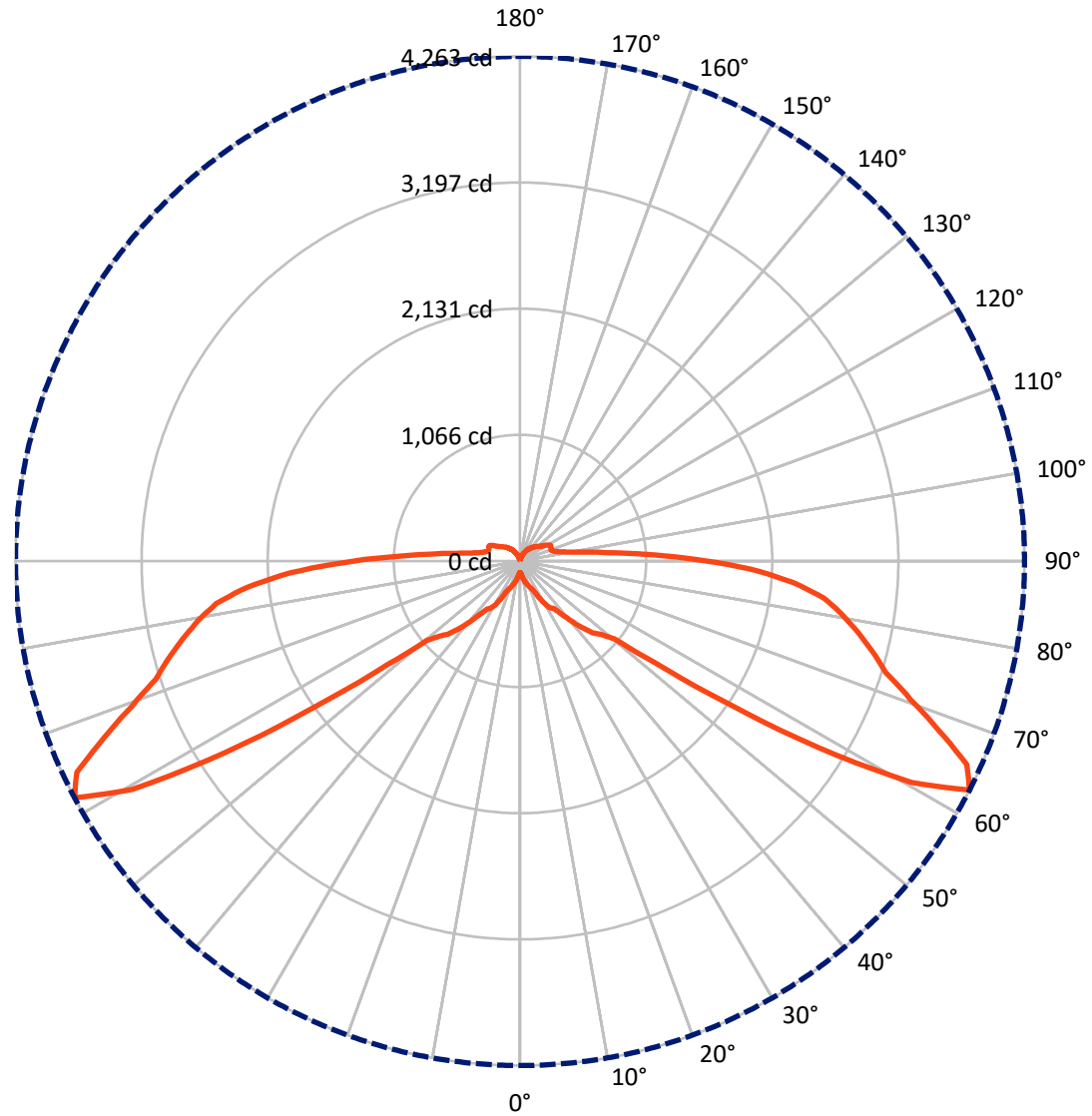
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Non-Cutoff

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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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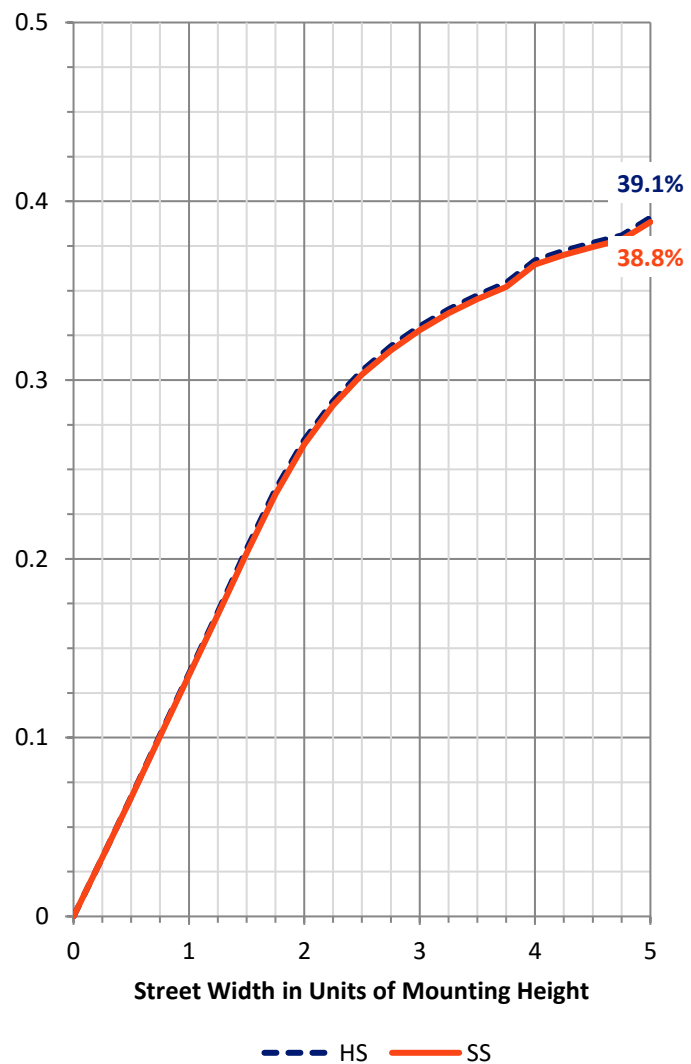
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6441.7	978.3	7420.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6441.7	978.3	7420.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	12883.4	1956.6	14840.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.1
10°-20°	56.3	0.4
20°-30°	146.2	1.0
30°-40°	328.9	2.2
40°-50°	664.4	4.5
50°-60°	2023.2	13.6
60°-70°	3936.3	26.5
70°-80°	3268.8	22.0
80°-90°	2447.2	16.5
90°-100°	896.2	6.0
100°-110°	337.4	2.3
110°-120°	281.3	1.9
120°-130°	198.1	1.3
130°-140°	128.4	0.9
140°-150°	74.4	0.5
150°-160°	32.1	0.2
160°-170°	8.1	0.1
170°-180°	0.6	0.0
0°-90°	12883.4	86.8
0°-180°	14840.0	100.0

Coefficient of Utilization

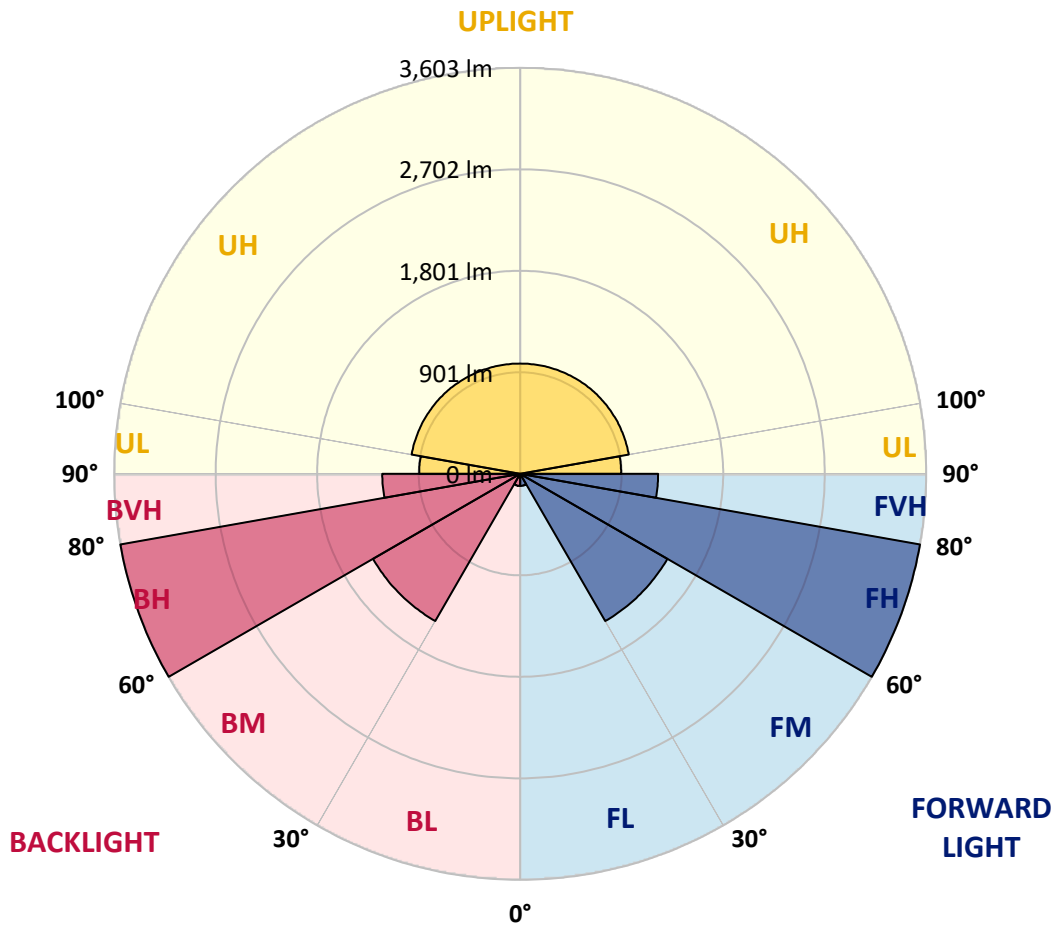


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.3	0.7			
FM (30°-60°)	1508.2	10.2			
FH (60°-80°)	3602.5	24.3			G2/5000
FVH (80°-90°)	1223.6	8.2			G5
BL (0°-30°)	107.3	0.7	B0/110		
BM (30°-60°)	1508.2	10.2	B2/2500		
BH (60°-80°)	3602.5	24.3	B4/5000		G2/5000
BVH (80°-90°)	1223.6	8.2			G5
UL (90°-100°)	896.2	6.0		U4/1000	
UH (100°-180°)	978.3	6.6		U4/1000	

BUG Rating: B4-U5-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	98.9
2.5°	100.9
5°	112.8
7.5°	134.5
10°	154.3
12.5°	174.1
15°	193.9
17.5°	213.6
20°	237.4
22.5°	255.2
25°	292.8
27.5°	360.0
30°	427.3
32.5°	472.8
35°	492.6
37.5°	565.8
40°	664.7
42.5°	767.5
45°	866.4
47.5°	929.7
50°	1032.6
52.5°	1416.4
55°	2100.8
57.5°	2975.1
60°	3802.0
62.5°	4262.9
65°	4148.2
67.5°	3813.9
70°	3499.3
72.5°	3234.3
75°	3080.0
77.5°	2923.7
80°	2763.5
82.5°	2591.4
85°	2314.4
87.5°	1946.5
90°	1487.6
92.5°	1060.3
95°	737.8
97.5°	534.1
100°	409.5
102.5°	340.2
105°	304.6
107.5°	284.9
110°	278.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	282.9
115°	290.8
117.5°	286.8
120°	267.0
122.5°	237.4
125°	215.6
127.5°	199.8
130°	187.9
132.5°	176.1
135°	166.2
137.5°	154.3
140°	140.4
142.5°	128.6
145°	118.7
147.5°	106.8
150°	91.0
152.5°	79.1
155°	67.3
157.5°	57.4
160°	45.5
162.5°	35.6
165°	25.7
167.5°	17.8
170°	11.9
172.5°	5.9
175°	4.0
177.5°	5.9
180°	5.9

(END OF REPORT)