

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: P588394

Luminaire Tested: **ARC-CA6-110-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588394
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-CA6-110-760-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14525 lumens
Efficiency: N/A
Efficacy: 129.5 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

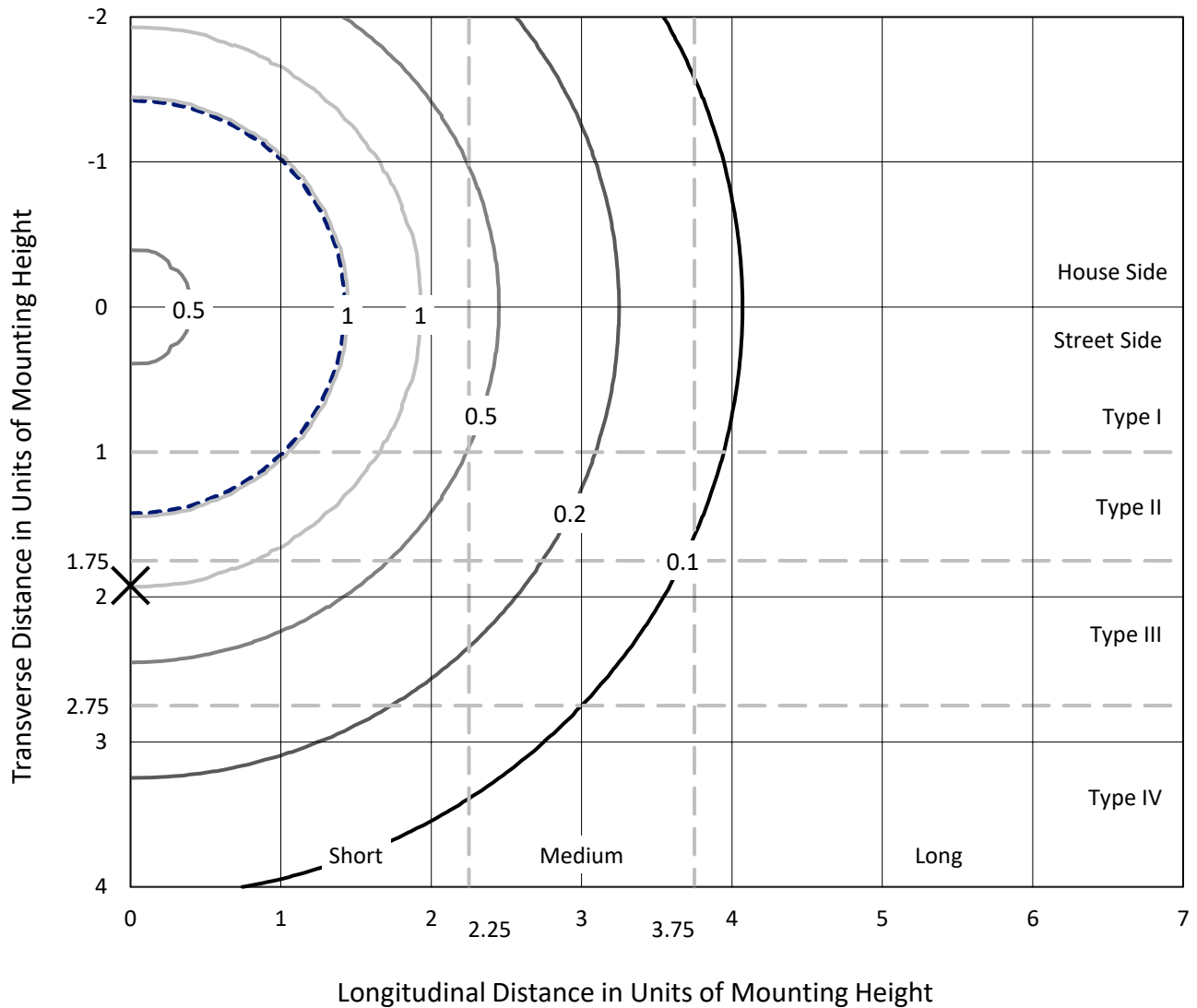
Input Watts (W): 112.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

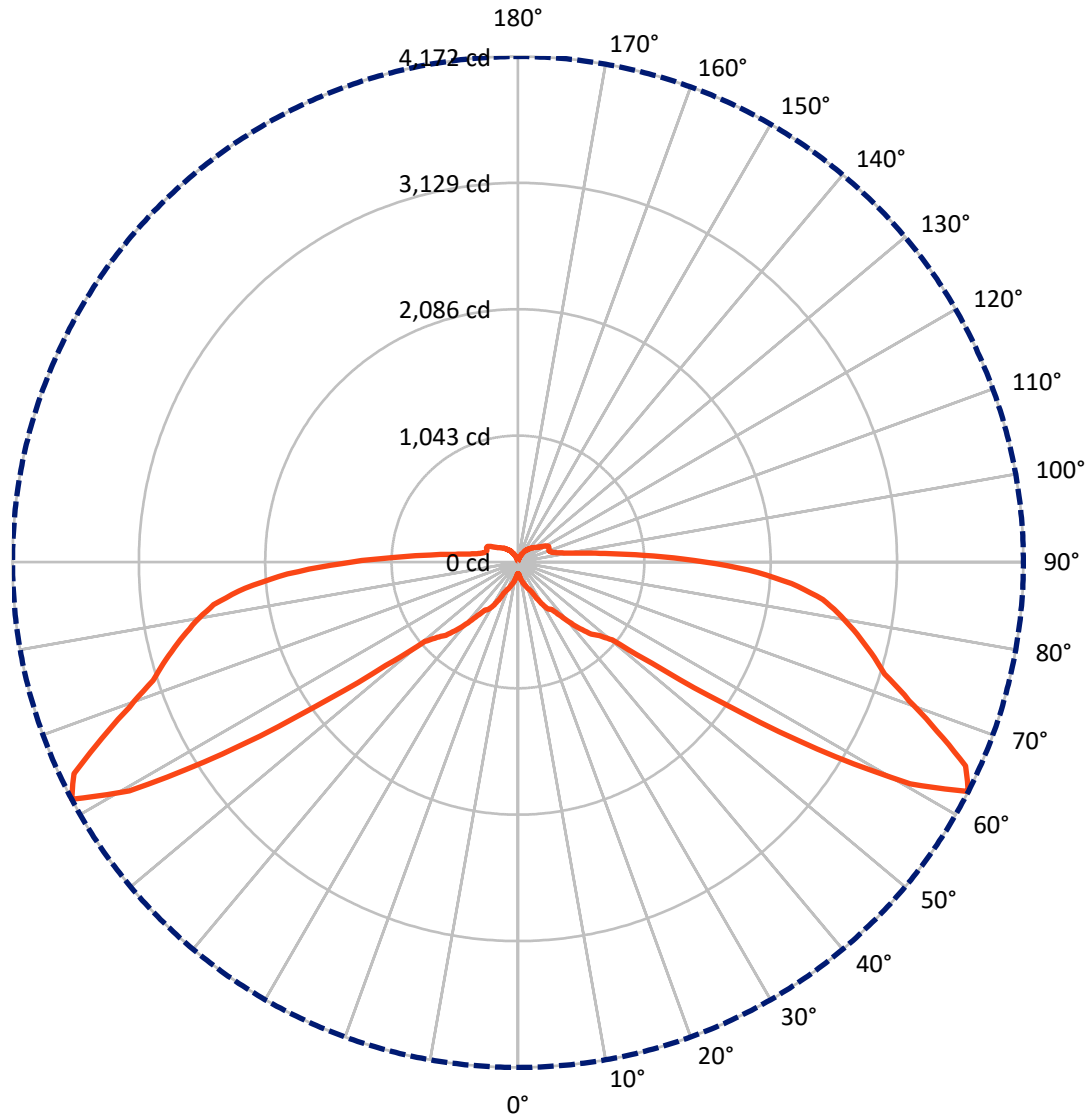
× Max cd
 - - - 1/2 Max cd



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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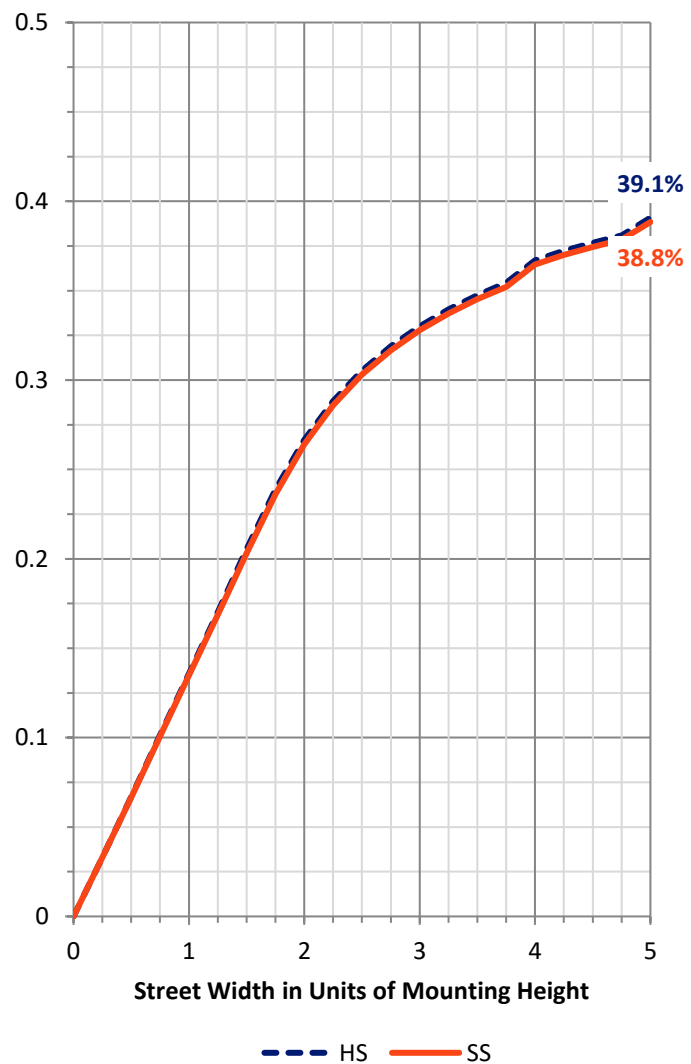
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6304.9	957.6	7262.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6304.9	957.6	7262.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	12609.9	1915.1	14525.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.0	0.1
10°-20°	55.1	0.4
20°-30°	143.1	1.0
30°-40°	321.8	2.2
40°-50°	650.3	4.5
50°-60°	1980.3	13.6
60°-70°	3852.7	26.5
70°-80°	3199.3	22.0
80°-90°	2395.3	16.5
90°-100°	877.2	6.0
100°-110°	330.2	2.3
110°-120°	275.3	1.9
120°-130°	193.9	1.3
130°-140°	125.7	0.9
140°-150°	72.8	0.5
150°-160°	31.4	0.2
160°-170°	8.0	0.1
170°-180°	0.6	0.0
0°-90°	12609.9	86.8
0°-180°	14525.0	100.0

Coefficient of Utilization



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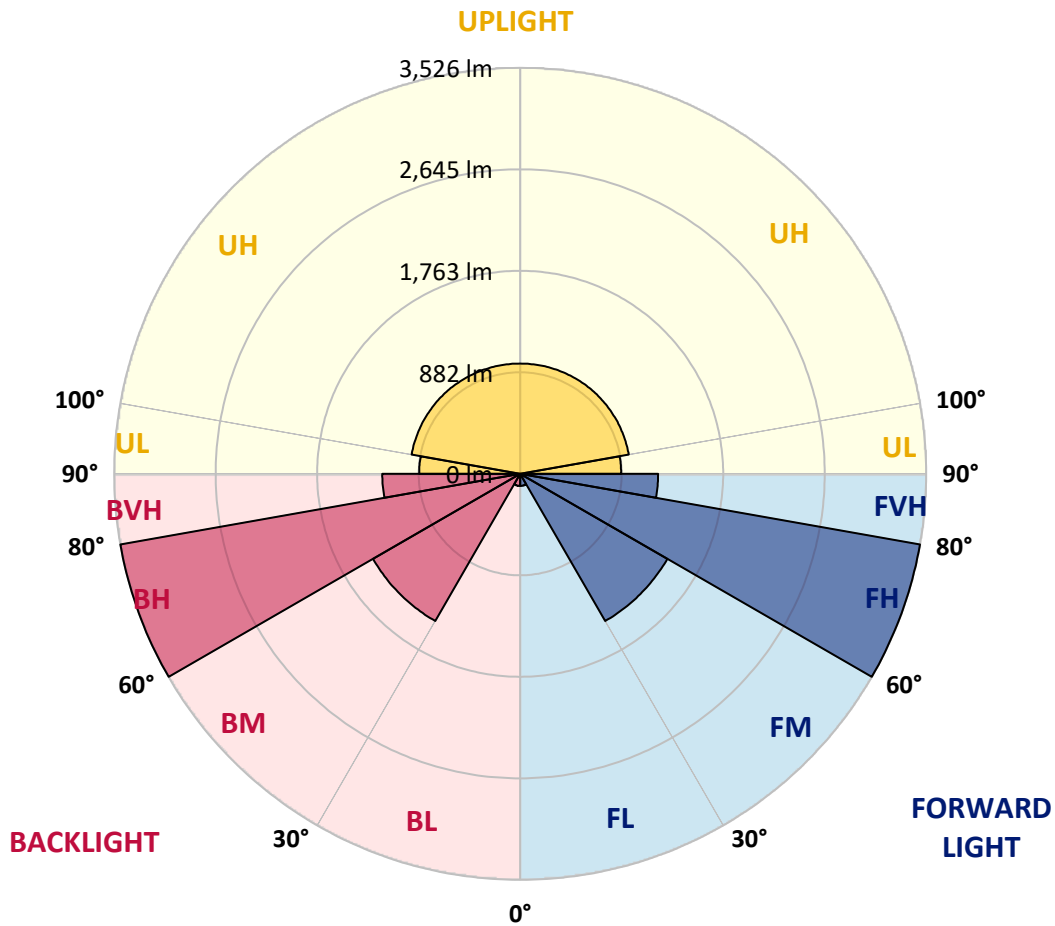
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.1	0.7			
FM (30°-60°)	1476.2	10.2			
FH (60°-80°)	3526.0	24.3			G2/5000
FVH (80°-90°)	1197.6	8.2			G5
BL (0°-30°)	105.1	0.7	B0/110		
BM (30°-60°)	1476.2	10.2	B2/2500		
BH (60°-80°)	3526.0	24.3	B4/5000		G2/5000
BVH (80°-90°)	1197.6	8.2			G5
UL (90°-100°)	877.2	6.0		U4/1000	
UH (100°-180°)	957.6	6.6		U4/1000	

BUG Rating: B4-U5-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	96.8
2.5°	98.7
5°	110.4
7.5°	131.7
10°	151.0
12.5°	170.4
15°	189.7
17.5°	209.1
20°	232.3
22.5°	249.8
25°	286.6
27.5°	352.4
30°	418.2
32.5°	462.7
35°	482.1
37.5°	553.7
40°	650.5
42.5°	751.2
45°	848.0
47.5°	910.0
50°	1010.7
52.5°	1386.3
55°	2056.2
57.5°	2912.0
60°	3721.3
62.5°	4172.4
65°	4060.1
67.5°	3732.9
70°	3425.1
72.5°	3165.6
75°	3014.6
77.5°	2861.6
80°	2704.8
82.5°	2536.4
85°	2265.3
87.5°	1905.2
90°	1456.0
92.5°	1037.8
95°	722.2
97.5°	522.8
100°	400.8
102.5°	333.0
105°	298.2
107.5°	278.8
110°	273.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	276.9
115°	284.6
117.5°	280.7
120°	261.4
122.5°	232.3
125°	211.0
127.5°	195.6
130°	183.9
132.5°	172.3
135°	162.6
137.5°	151.0
140°	137.5
142.5°	125.9
145°	116.2
147.5°	104.6
150°	89.1
152.5°	77.4
155°	65.8
157.5°	56.1
160°	44.5
162.5°	34.9
165°	25.2
167.5°	17.4
170°	11.6
172.5°	5.8
175°	3.9
177.5°	5.8
180°	5.8

(END OF REPORT)