

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: P588418

Luminaire Tested: **ARC-CA6-120-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588418
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-CA6-120-760-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: 15740 lumens
Efficiency: N/A
Efficacy: 131.9 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

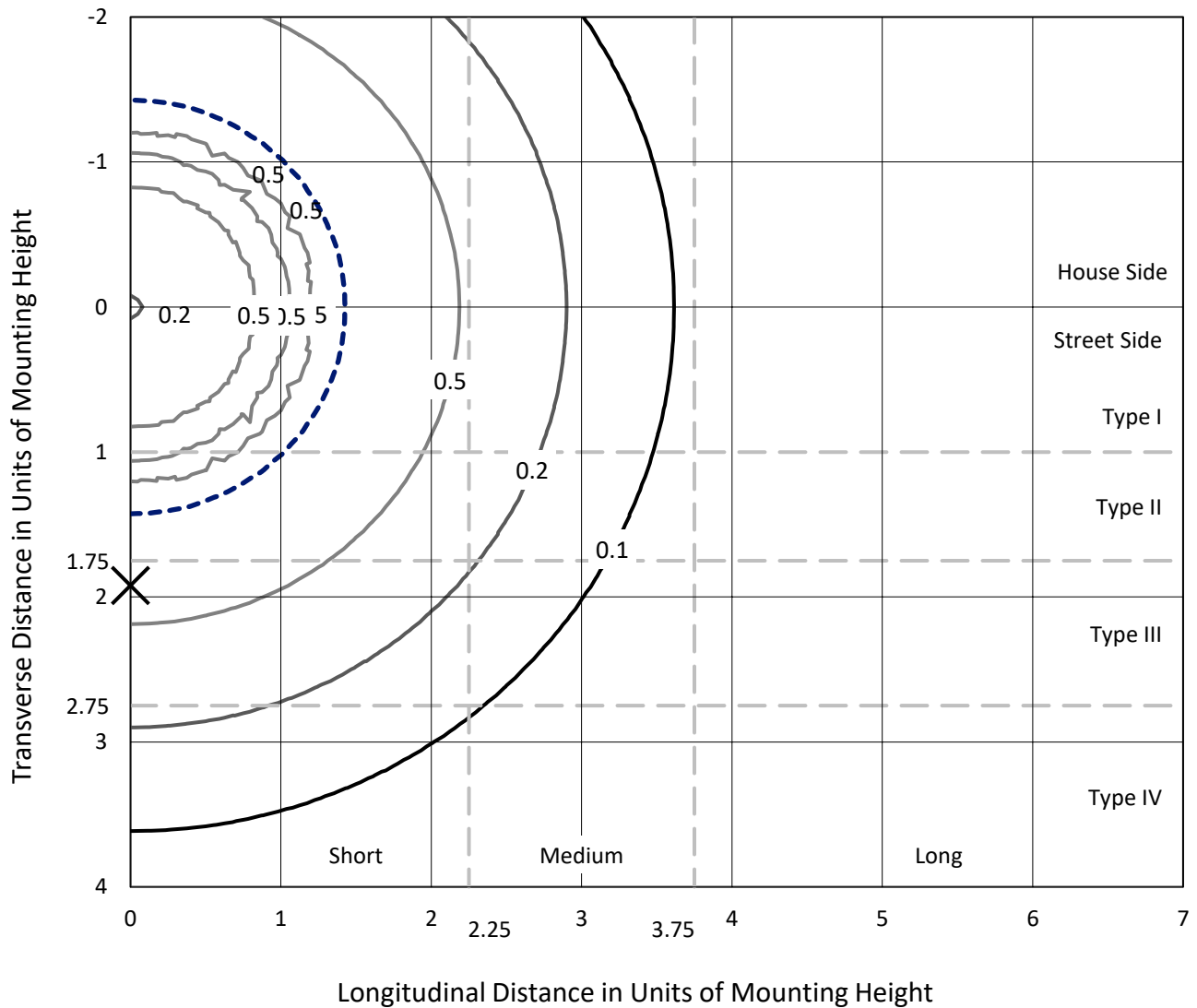
Input Watts (W): 119.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

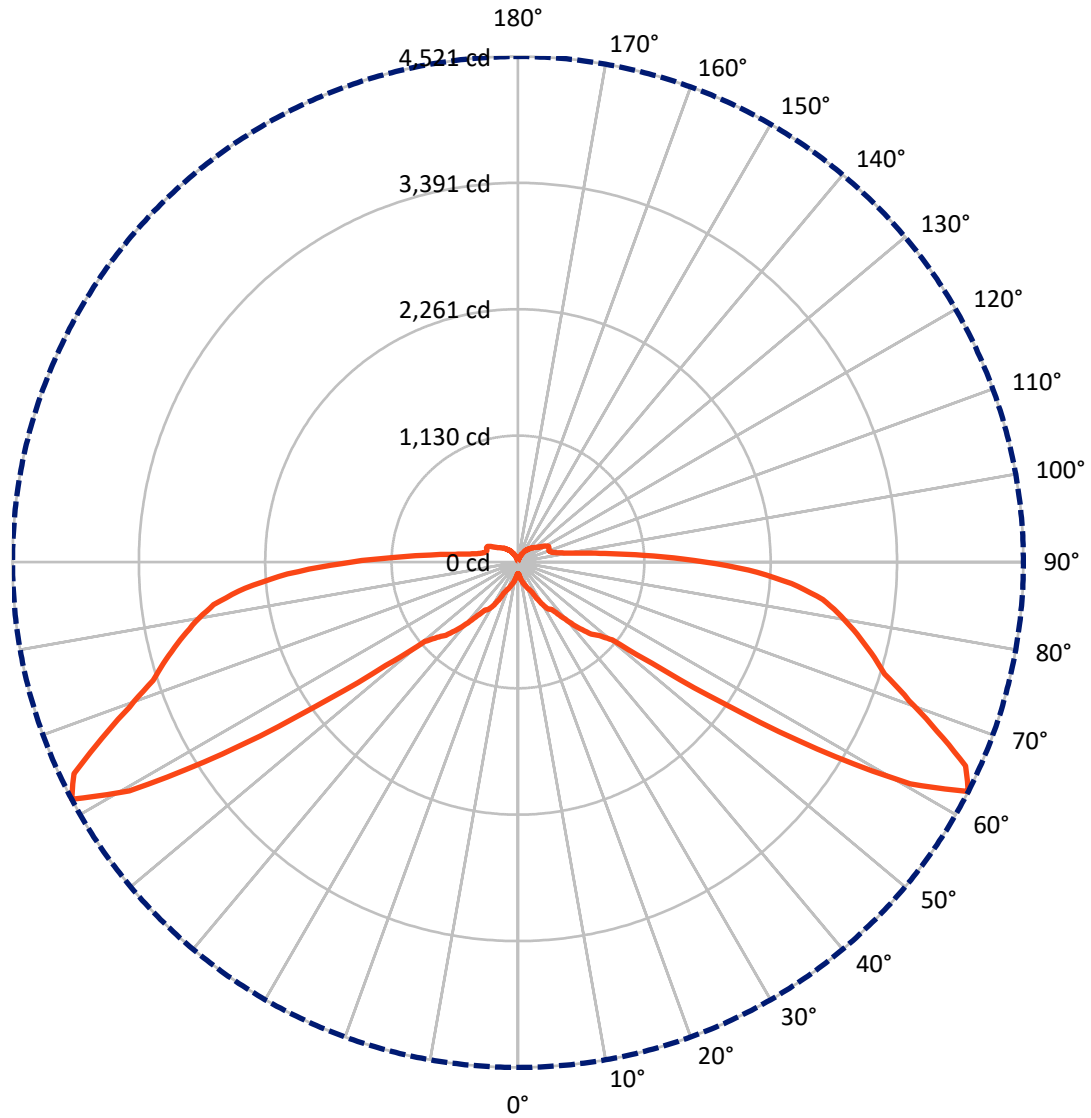
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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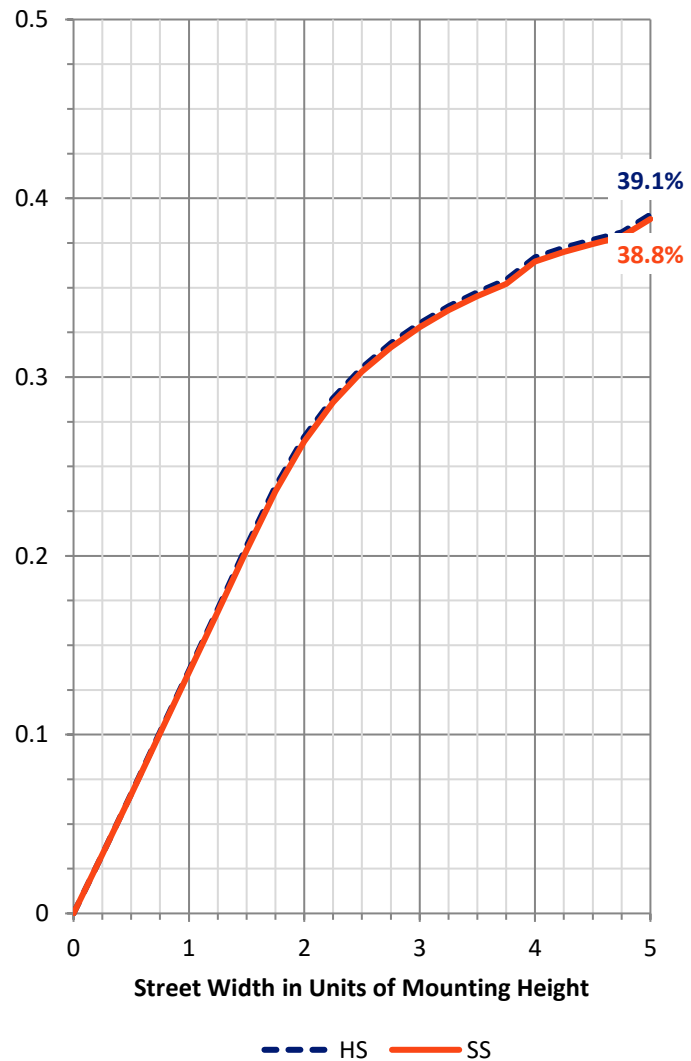
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6832.4	1037.6	7870.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6832.4	1037.6	7870.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	13664.7	2075.3	15740.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.1
10°-20°	59.7	0.4
20°-30°	155.1	1.0
30°-40°	348.8	2.2
40°-50°	704.7	4.5
50°-60°	2145.9	13.6
60°-70°	4175.0	26.5
70°-80°	3467.0	22.0
80°-90°	2595.6	16.5
90°-100°	950.6	6.0
100°-110°	357.8	2.3
110°-120°	298.3	1.9
120°-130°	210.1	1.3
130°-140°	136.2	0.9
140°-150°	78.9	0.5
150°-160°	34.0	0.2
160°-170°	8.6	0.1
170°-180°	0.7	0.0
0°-90°	13664.7	86.8
0°-180°	15740.0	100.0



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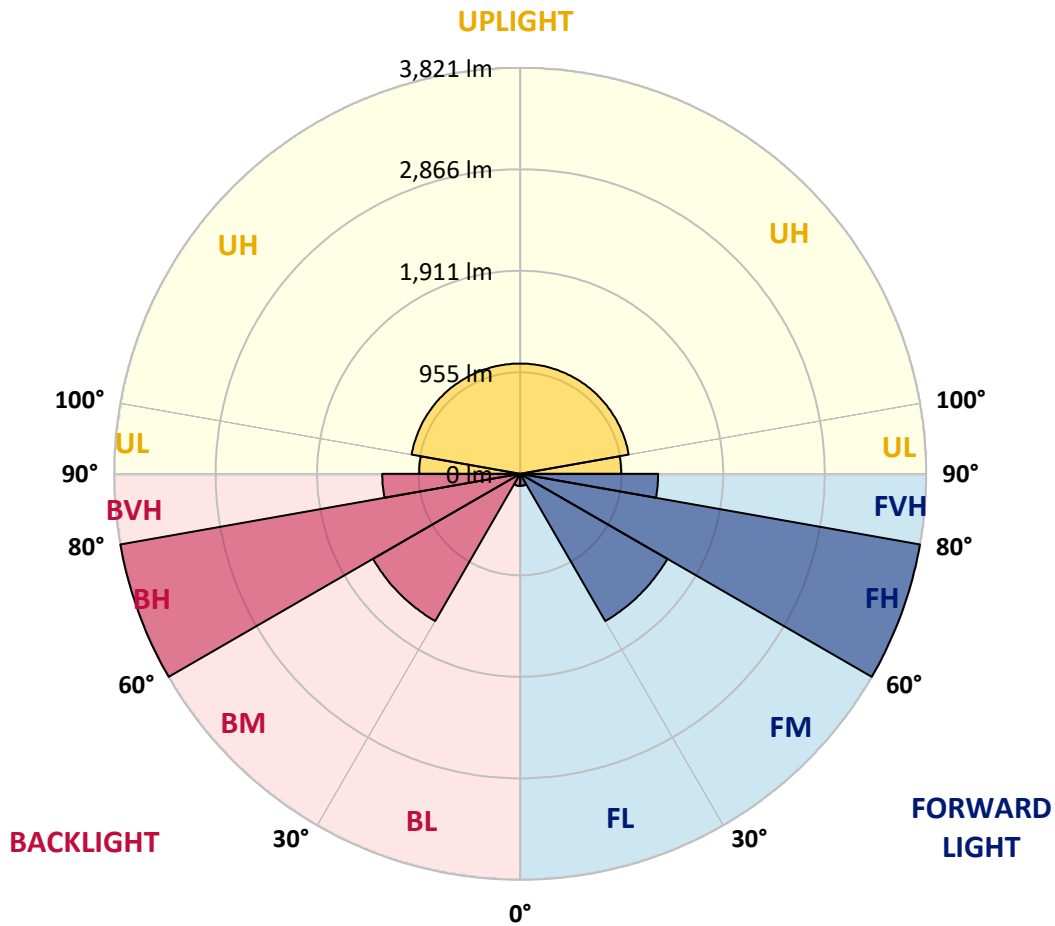
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.9	0.7			
FM (30°-60°)	1599.7	10.2			
FH (60°-80°)	3821.0	24.3			G2/5000
FVH (80°-90°)	1297.8	8.2			G5
BL (0°-30°)	113.9	0.7	B1/500		
BM (30°-60°)	1599.7	10.2	B2/2500		
BH (60°-80°)	3821.0	24.3	B4/5000		G2/5000
BVH (80°-90°)	1297.8	8.2			G5
UL (90°-100°)	950.6	6.0		U4/1000	
UH (100°-180°)	1037.6	6.6		U5	

BUG Rating: B4-U5-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	104.9
2.5°	107.0
5°	119.6
7.5°	142.7
10°	163.7
12.5°	184.6
15°	205.6
17.5°	226.6
20°	251.8
22.5°	270.7
25°	310.5
27.5°	381.9
30°	453.2
32.5°	501.4
35°	522.4
37.5°	600.1
40°	705.0
42.5°	814.1
45°	919.0
47.5°	986.1
50°	1095.2
52.5°	1502.3
55°	2228.2
57.5°	3155.6
60°	4032.6
62.5°	4521.4
65°	4399.7
67.5°	4045.2
70°	3711.6
72.5°	3430.4
75°	3266.8
77.5°	3101.0
80°	2931.1
82.5°	2748.5
85°	2454.8
87.5°	2064.5
90°	1577.8
92.5°	1124.6
95°	782.6
97.5°	566.5
100°	434.3
102.5°	360.9
105°	323.1
107.5°	302.1
110°	295.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	300.0
115°	308.4
117.5°	304.2
120°	283.2
122.5°	251.8
125°	228.7
127.5°	211.9
130°	199.3
132.5°	186.7
135°	176.2
137.5°	163.7
140°	149.0
142.5°	136.4
145°	125.9
147.5°	113.3
150°	96.5
152.5°	83.9
155°	71.3
157.5°	60.8
160°	48.3
162.5°	37.8
165°	27.3
167.5°	18.9
170°	12.6
172.5°	6.3
175°	4.2
177.5°	6.3
180°	6.3

(END OF REPORT)