

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: P588442

Luminaire Tested: **ARC-CA6-130-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588442
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-CA6-130-760-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: 16364 lumens
Efficiency: N/A
Efficacy: 131.6 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

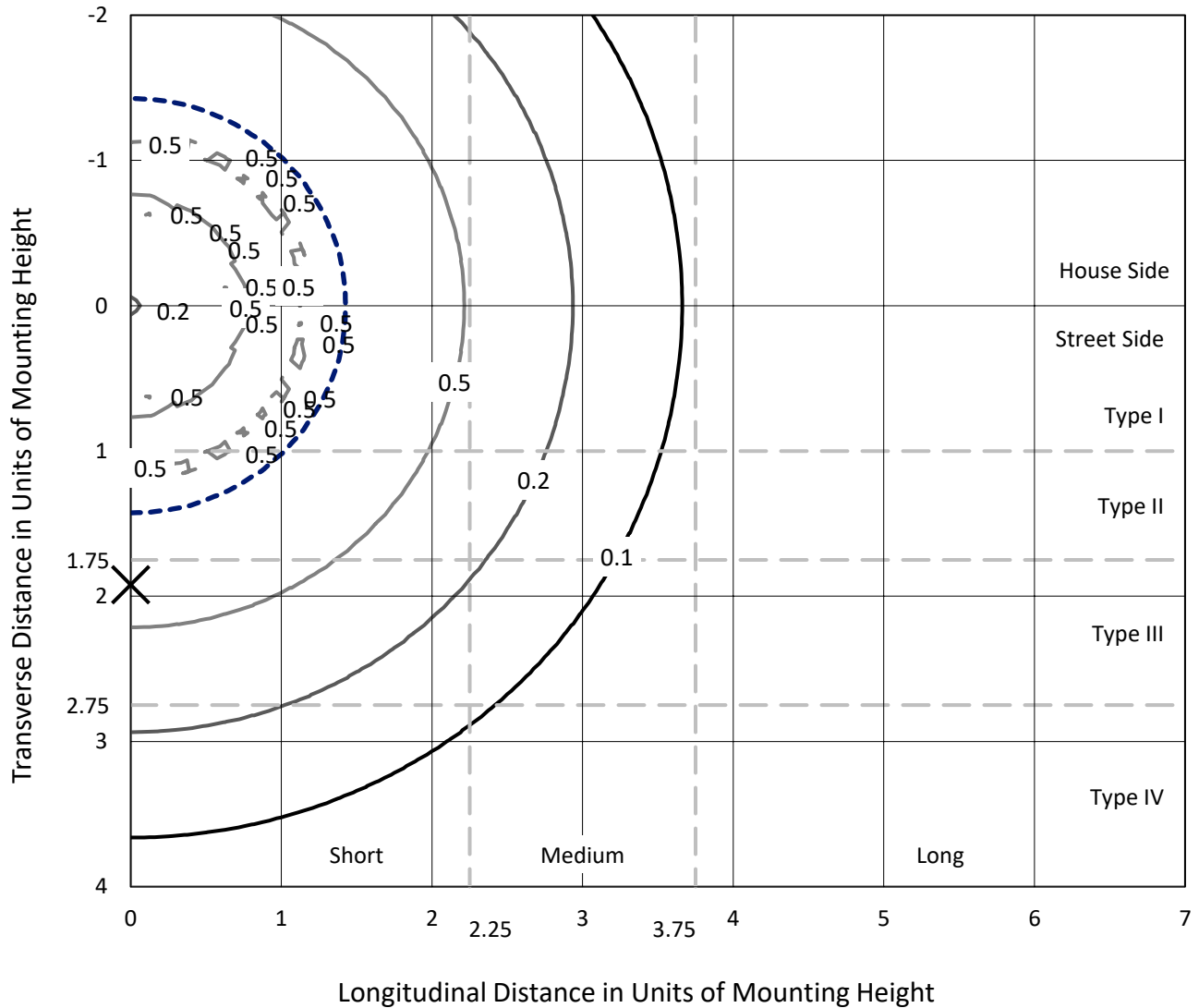
Input Watts (W): 124.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

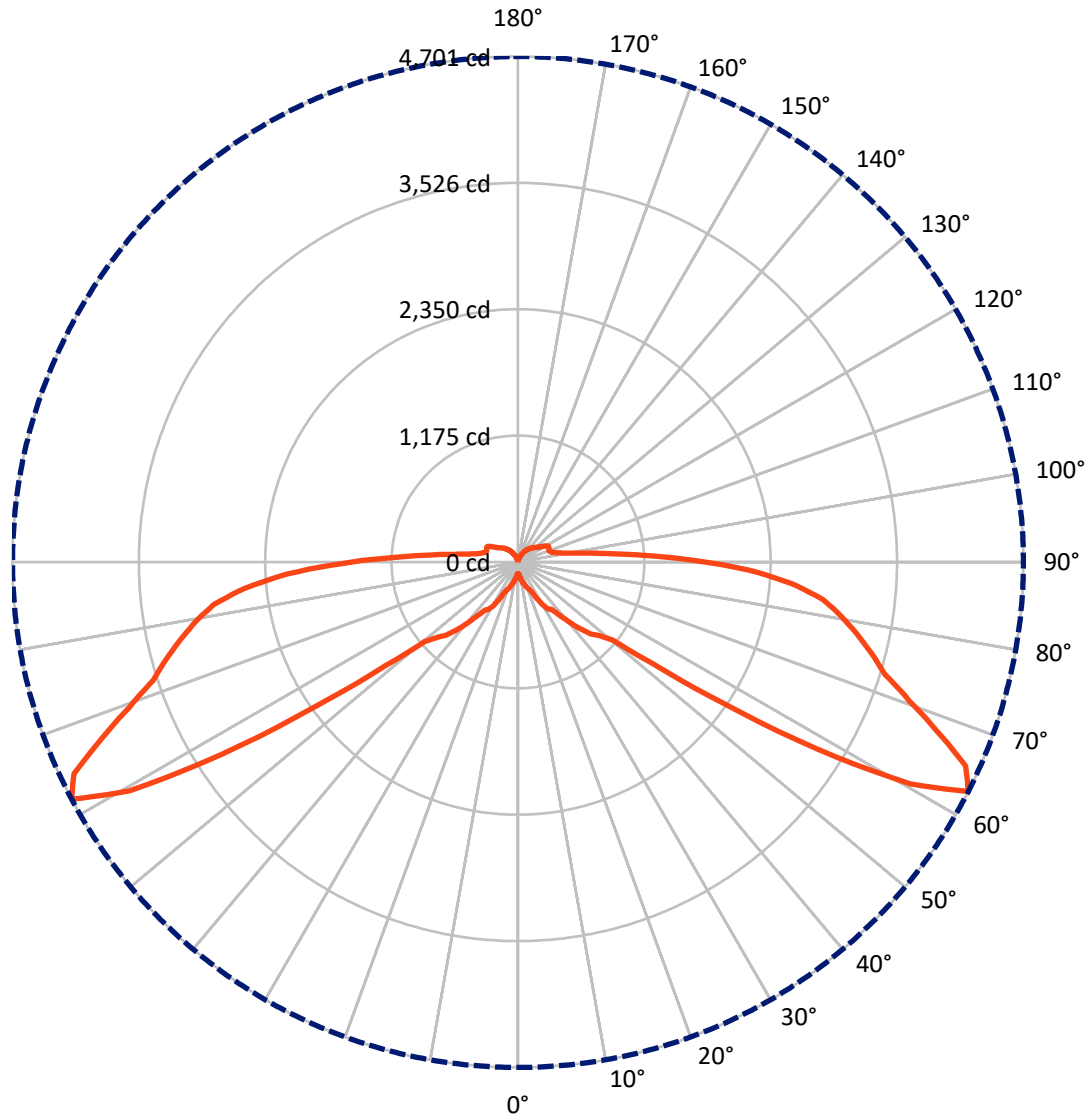
✕ Max cd
 - - - 1/2 Max cd



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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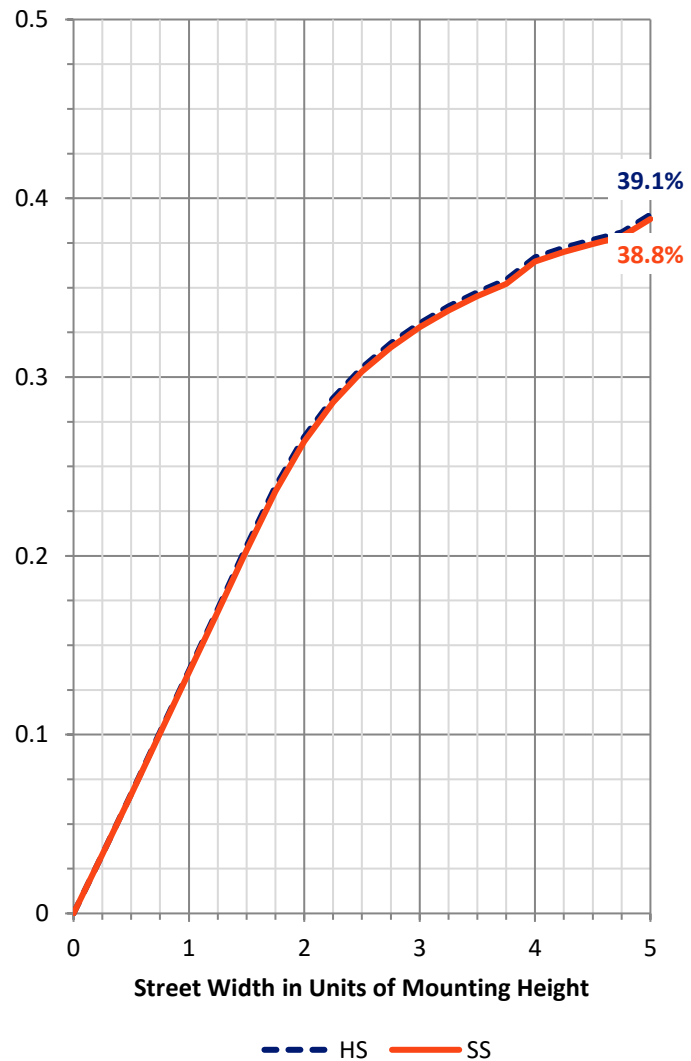
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7103.2	1078.8	8182.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	7103.2	1078.8	8182.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	14206.4	2157.6	16364.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.1
10°-20°	62.1	0.4
20°-30°	161.2	1.0
30°-40°	362.6	2.2
40°-50°	732.6	4.5
50°-60°	2231.0	13.6
60°-70°	4340.5	26.5
70°-80°	3604.4	22.0
80°-90°	2698.5	16.5
90°-100°	988.2	6.0
100°-110°	372.0	2.3
110°-120°	310.2	1.9
120°-130°	218.5	1.3
130°-140°	141.6	0.9
140°-150°	82.0	0.5
150°-160°	35.4	0.2
160°-170°	9.0	0.1
170°-180°	0.7	0.0
0°-90°	14206.4	86.8
0°-180°	16364.0	100.0



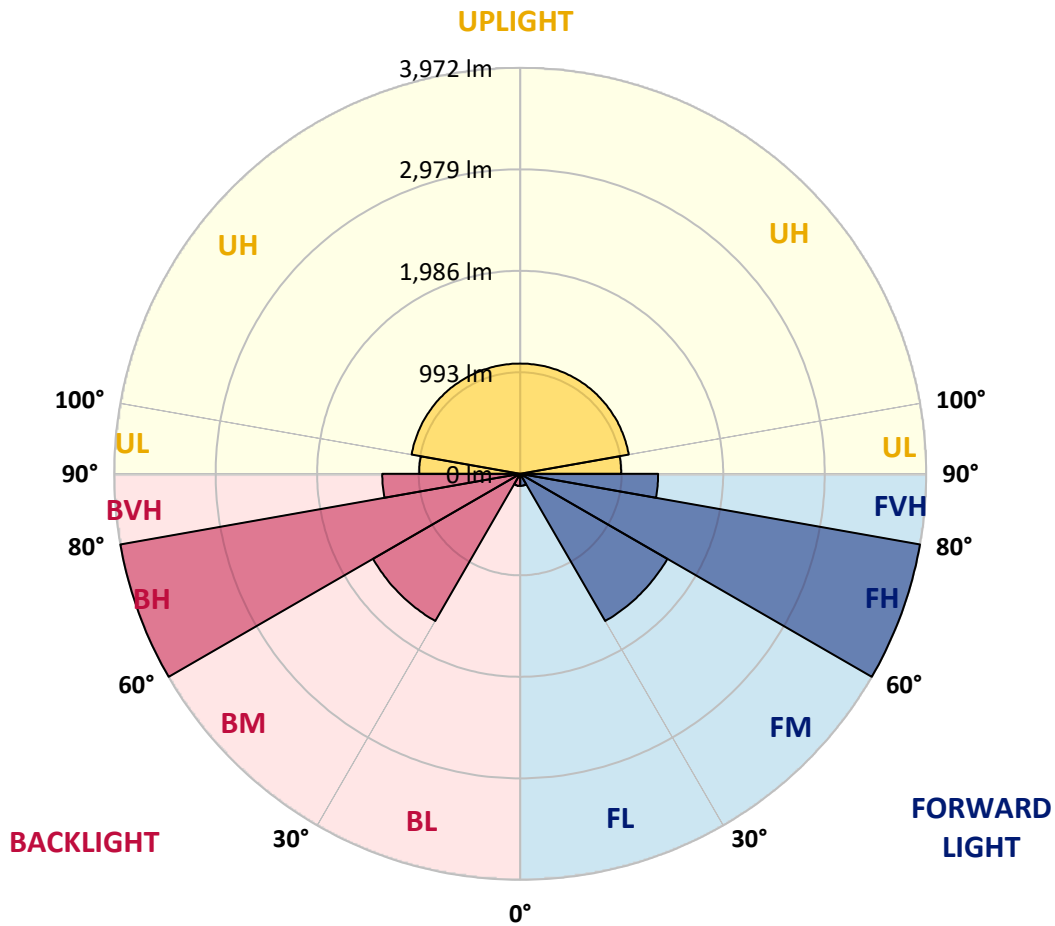
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.4	0.7			
FM (30°-60°)	1663.1	10.2			
FH (60°-80°)	3972.5	24.3			G2/5000
FVH (80°-90°)	1349.3	8.2			G5
BL (0°-30°)	118.4	0.7	B1/500		
BM (30°-60°)	1663.1	10.2	B2/2500		
BH (60°-80°)	3972.5	24.3	B4/5000		G2/5000
BVH (80°-90°)	1349.3	8.2			G5
UL (90°-100°)	988.2	6.0		U4/1000	
UH (100°-180°)	1078.8	6.6		U5	

BUG Rating: B4-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	109.1
2.5°	111.2
5°	124.3
7.5°	148.3
10°	170.1
12.5°	192.0
15°	213.8
17.5°	235.6
20°	261.8
22.5°	281.4
25°	322.8
27.5°	397.0
30°	471.2
32.5°	521.3
35°	543.1
37.5°	623.9
40°	732.9
42.5°	846.3
45°	955.4
47.5°	1025.2
50°	1138.6
52.5°	1561.8
55°	2316.5
57.5°	3280.7
60°	4192.4
62.5°	4700.7
65°	4574.2
67.5°	4205.5
70°	3858.7
72.5°	3566.4
75°	3396.3
77.5°	3224.0
80°	3047.3
82.5°	2857.5
85°	2552.1
87.5°	2146.4
90°	1640.3
92.5°	1169.2
95°	813.6
97.5°	588.9
100°	451.5
102.5°	375.2
105°	335.9
107.5°	314.1
110°	307.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	311.9
115°	320.7
117.5°	316.3
120°	294.5
122.5°	261.8
125°	237.8
127.5°	220.3
130°	207.2
132.5°	194.1
135°	183.2
137.5°	170.1
140°	154.9
142.5°	141.8
145°	130.9
147.5°	117.8
150°	100.3
152.5°	87.3
155°	74.2
157.5°	63.3
160°	50.2
162.5°	39.3
165°	28.4
167.5°	19.6
170°	13.1
172.5°	6.5
175°	4.4
177.5°	6.5
180°	6.5

(END OF REPORT)