

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: P588358

Luminaire Tested: **ARC-CA6-100-730-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588358
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-CA6-100-730-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13379 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U4 - G5

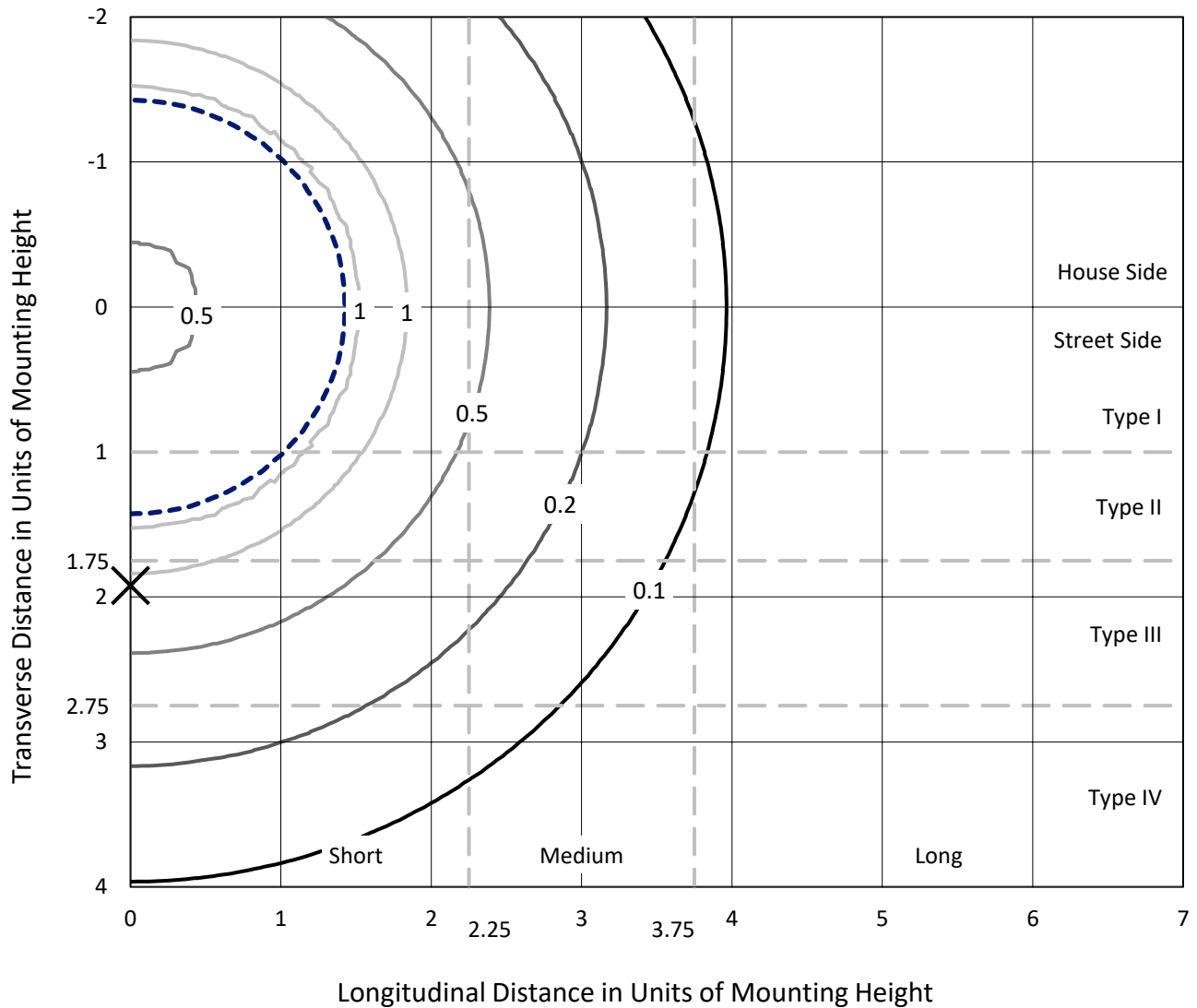
Input Watts (W): 103.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

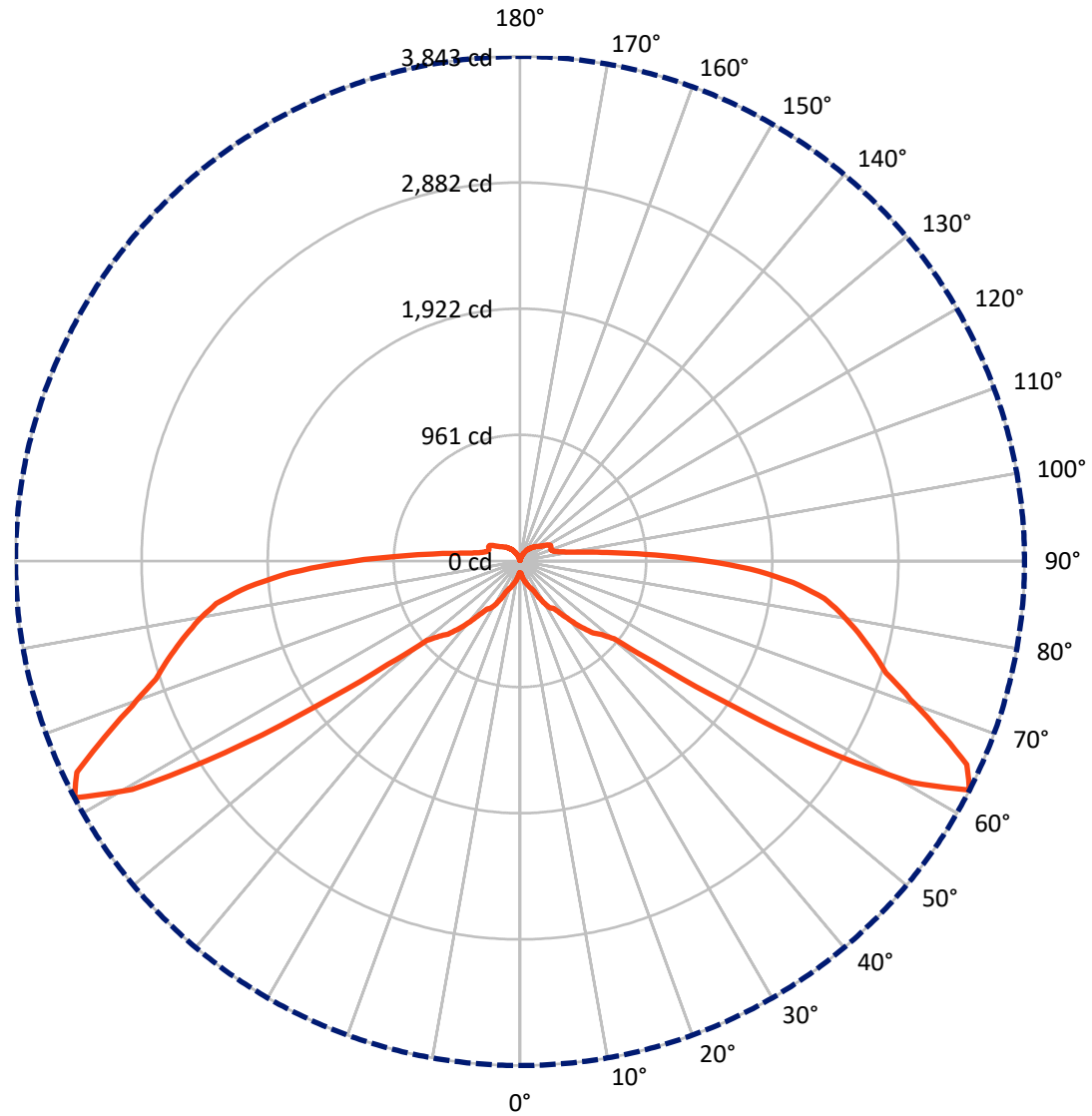
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.1 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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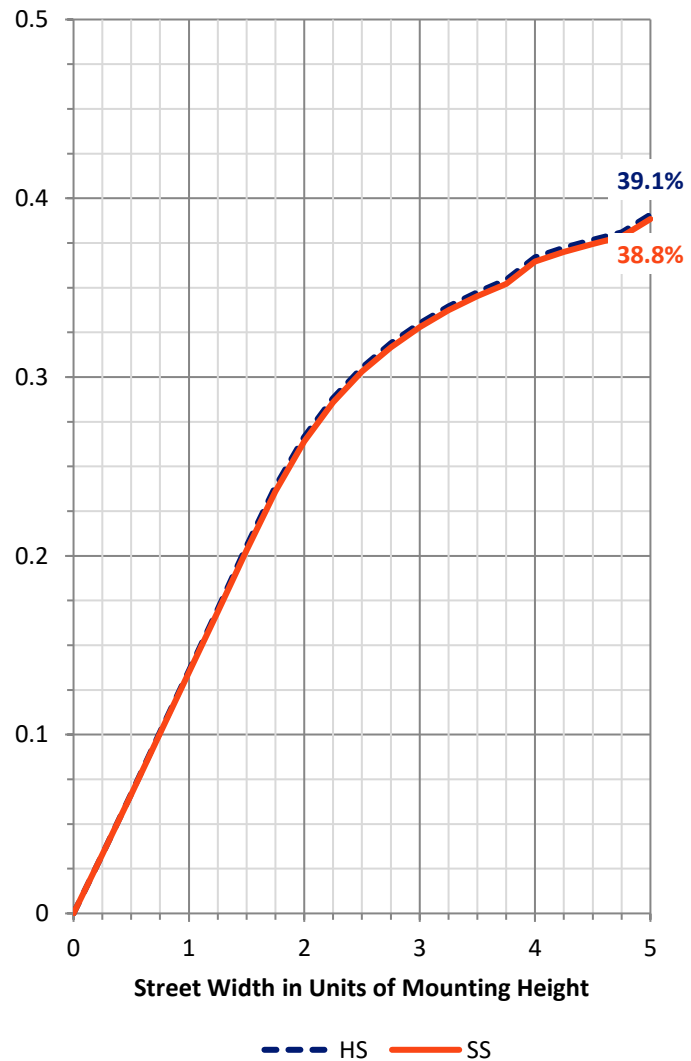
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5807.5	882.0	6689.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5807.5	882.0	6689.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	11615.0	1764.0	13379.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	50.7	0.4
20°-30°	131.8	1.0
30°-40°	296.5	2.2
40°-50°	599.0	4.5
50°-60°	1824.0	13.6
60°-70°	3548.8	26.5
70°-80°	2947.0	22.0
80°-90°	2206.3	16.5
90°-100°	808.0	6.0
100°-110°	304.2	2.3
110°-120°	253.6	1.9
120°-130°	178.6	1.3
130°-140°	115.8	0.9
140°-150°	67.0	0.5
150°-160°	28.9	0.2
160°-170°	7.3	0.1
170°-180°	0.6	0.0
0°-90°	11615.0	86.8
0°-180°	13379.0	100.0



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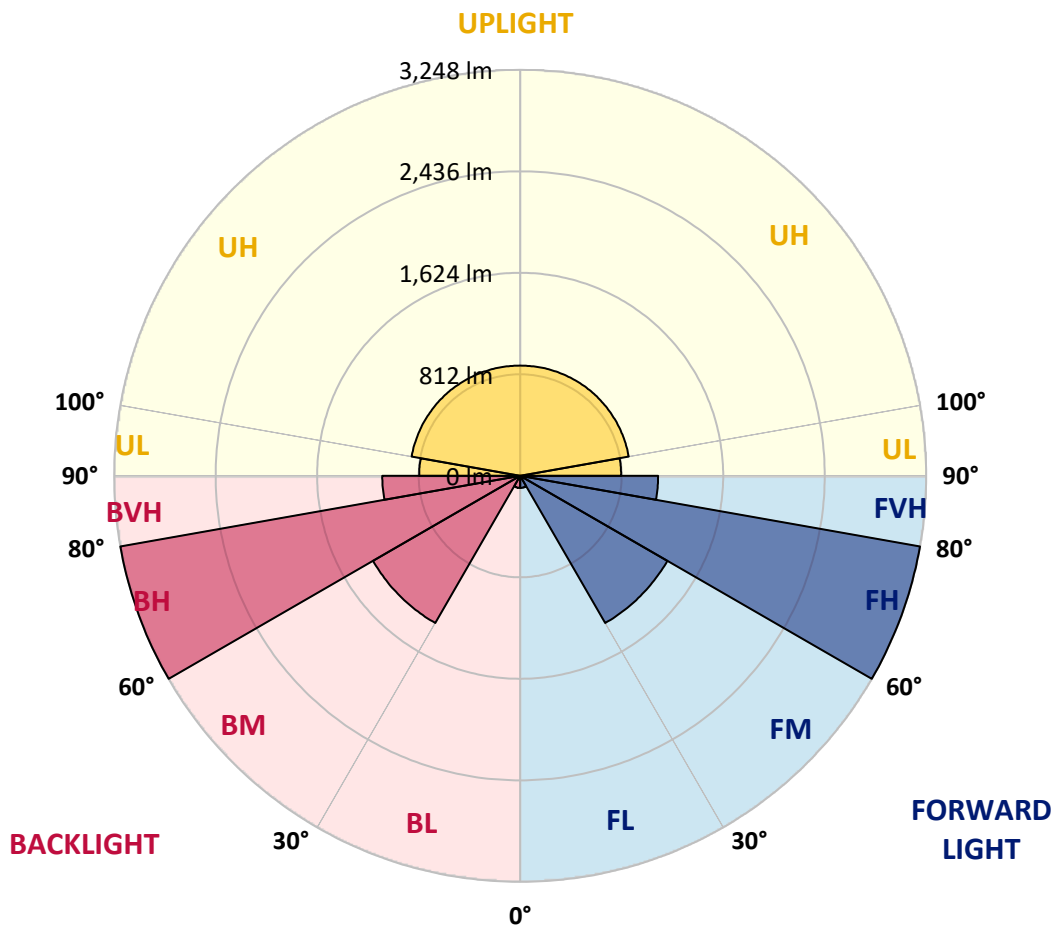
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.8	0.7			
FM (30°-60°)	1359.7	10.2			
FH (60°-80°)	3247.9	24.3			G2/5000
FVH (80°-90°)	1103.2	8.2			G5
BL (0°-30°)	96.8	0.7	B0/110		
BM (30°-60°)	1359.7	10.2	B2/2500		
BH (60°-80°)	3247.9	24.3	B4/5000		G2/5000
BVH (80°-90°)	1103.2	8.2			G5
UL (90°-100°)	808.0	6.0		U4/1000	
UH (100°-180°)	882.0	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	89.2
2.5°	91.0
5°	101.7
7.5°	121.3
10°	139.1
12.5°	156.9
15°	174.8
17.5°	192.6
20°	214.0
22.5°	230.1
25°	263.9
27.5°	324.6
30°	385.2
32.5°	426.2
35°	444.1
37.5°	510.1
40°	599.2
42.5°	692.0
45°	781.1
47.5°	838.2
50°	930.9
52.5°	1276.9
55°	1894.0
57.5°	2682.2
60°	3427.7
62.5°	3843.2
65°	3739.8
67.5°	3438.4
70°	3154.8
72.5°	2915.9
75°	2776.8
77.5°	2635.9
80°	2491.4
82.5°	2336.3
85°	2086.6
87.5°	1754.9
90°	1341.1
92.5°	955.9
95°	665.2
97.5°	481.5
100°	369.2
102.5°	306.7
105°	274.6
107.5°	256.8
110°	251.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	255.0
115°	262.2
117.5°	258.6
120°	240.8
122.5°	214.0
125°	194.4
127.5°	180.1
130°	169.4
132.5°	158.7
135°	149.8
137.5°	139.1
140°	126.6
142.5°	115.9
145°	107.0
147.5°	96.3
150°	82.0
152.5°	71.3
155°	60.6
157.5°	51.7
160°	41.0
162.5°	32.1
165°	23.2
167.5°	16.1
170°	10.7
172.5°	5.4
175°	3.6
177.5°	5.4
180°	5.4

(END OF REPORT)