

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: P588406

Luminaire Tested: **ARC-CA6-120-730-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588406
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-CA6-120-730-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: 15428.9 lumens
Efficiency: N/A
Efficacy: 129.3 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

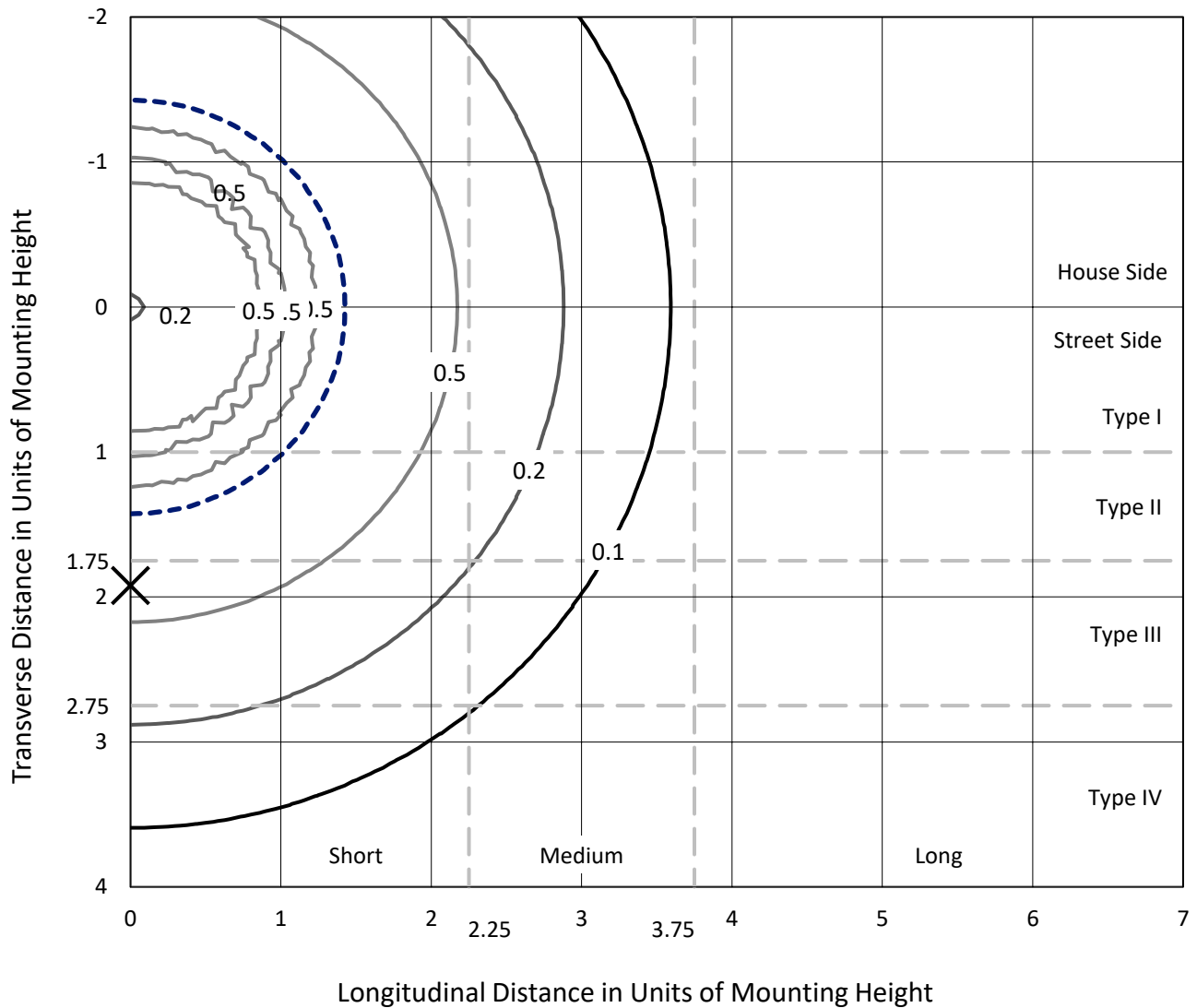
Input Watts (W): 119.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

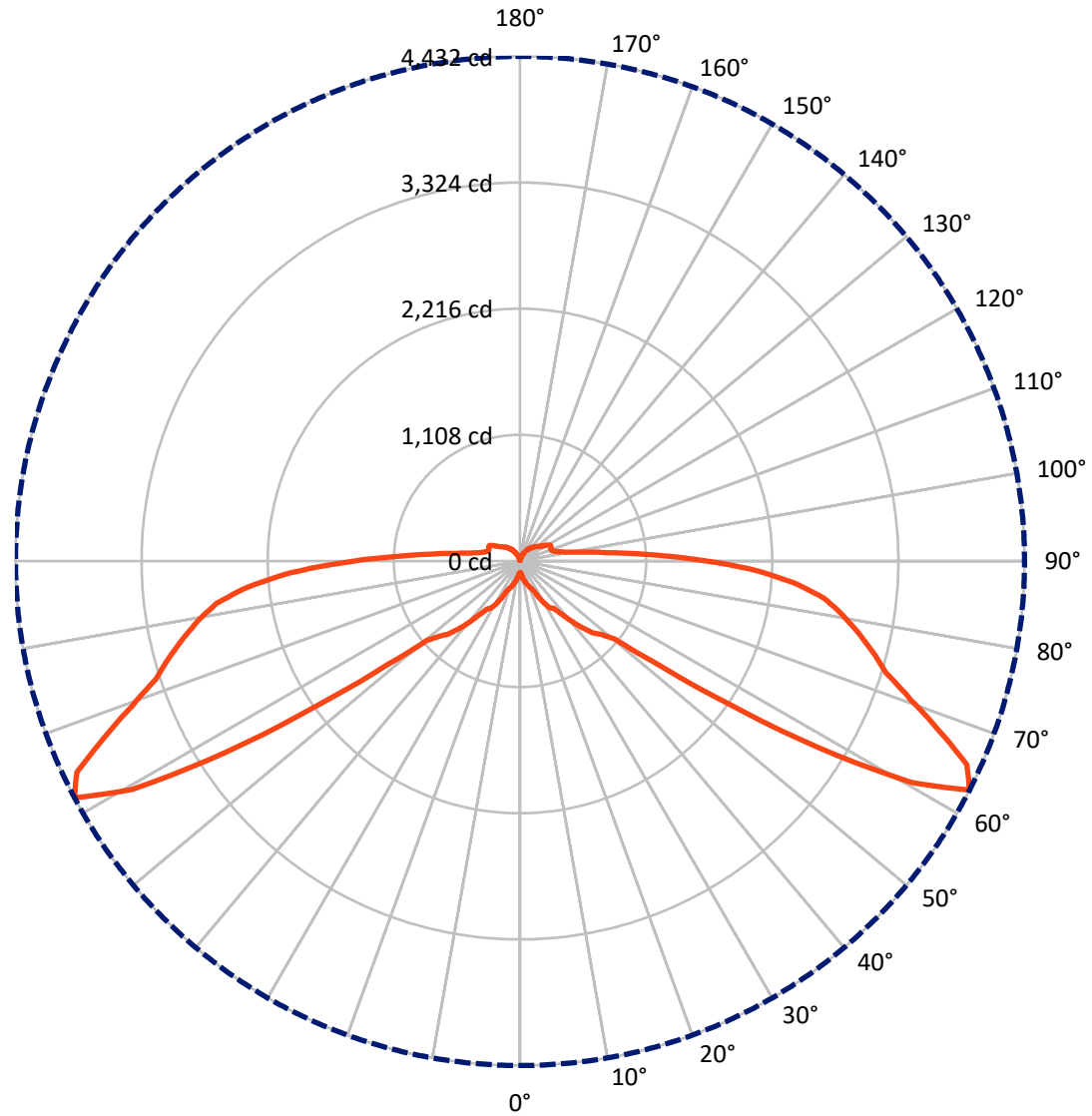
✕ Max cd
 - - - 1/2 Max cd



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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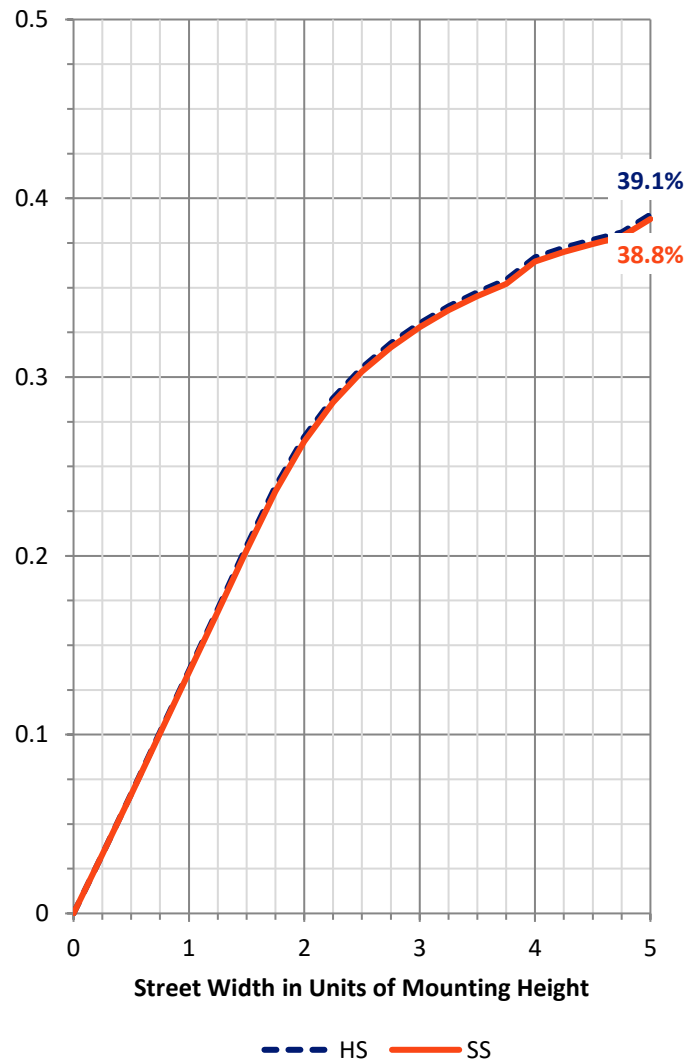
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6697.3	1017.1	7714.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6697.3	1017.1	7714.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	13394.7	2034.2	15428.9
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.1
10°-20°	58.5	0.4
20°-30°	152.0	1.0
30°-40°	341.9	2.2
40°-50°	690.7	4.5
50°-60°	2103.5	13.6
60°-70°	4092.5	26.5
70°-80°	3398.5	22.0
80°-90°	2544.4	16.5
90°-100°	931.8	6.0
100°-110°	350.8	2.3
110°-120°	292.5	1.9
120°-130°	206.0	1.3
130°-140°	133.5	0.9
140°-150°	77.3	0.5
150°-160°	33.3	0.2
160°-170°	8.5	0.1
170°-180°	0.7	0.0
0°-90°	13394.7	86.8
0°-180°	15428.9	100.0

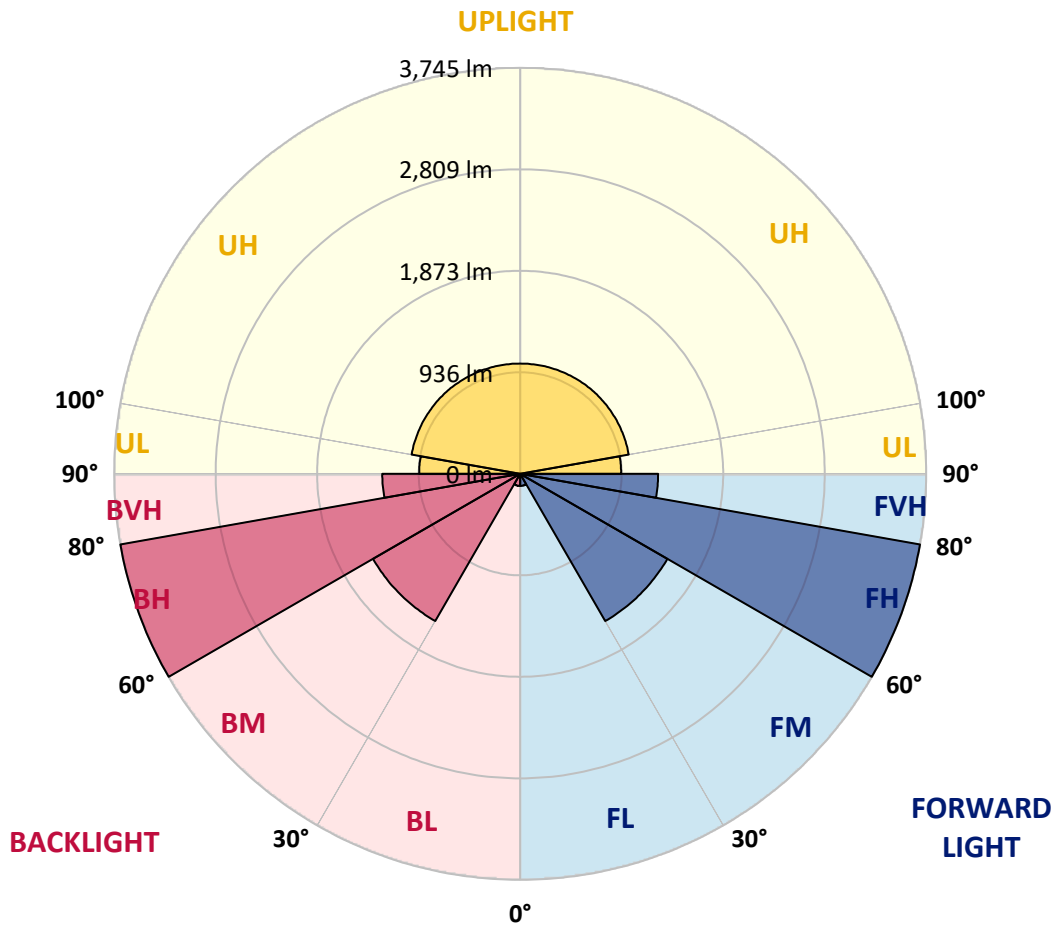


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.6	0.7			
FM (30°-60°)	1568.1	10.2			
FH (60°-80°)	3745.5	24.3			G2/5000
FVH (80°-90°)	1272.2	8.2			G5
BL (0°-30°)	111.6	0.7	B1/500		
BM (30°-60°)	1568.1	10.2	B2/2500		
BH (60°-80°)	3745.5	24.3	B4/5000		G2/5000
BVH (80°-90°)	1272.2	8.2			G5
UL (90°-100°)	931.8	6.0		U4/1000	
UH (100°-180°)	1017.1	6.6		U5	

BUG Rating: B4-U5-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	102.8
2.5°	104.9
5°	117.2
7.5°	139.9
10°	160.4
12.5°	181.0
15°	201.6
17.5°	222.1
20°	246.8
22.5°	265.3
25°	304.4
27.5°	374.3
30°	444.2
32.5°	491.5
35°	512.1
37.5°	588.2
40°	691.0
42.5°	798.0
45°	900.8
47.5°	966.6
50°	1073.6
52.5°	1472.6
55°	2184.2
57.5°	3093.2
60°	3952.9
62.5°	4432.1
65°	4312.8
67.5°	3965.2
70°	3638.2
72.5°	3362.6
75°	3202.2
77.5°	3039.7
80°	2873.2
82.5°	2694.2
85°	2406.3
87.5°	2023.8
90°	1546.6
92.5°	1102.4
95°	767.1
97.5°	555.3
100°	425.7
102.5°	353.7
105°	316.7
107.5°	296.2
110°	290.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	294.1
115°	302.3
117.5°	298.2
120°	277.6
122.5°	246.8
125°	224.2
127.5°	207.7
130°	195.4
132.5°	183.0
135°	172.8
137.5°	160.4
140°	146.0
142.5°	133.7
145°	123.4
147.5°	111.1
150°	94.6
152.5°	82.3
155°	69.9
157.5°	59.6
160°	47.3
162.5°	37.0
165°	26.7
167.5°	18.5
170°	12.3
172.5°	6.2
175°	4.1
177.5°	6.2
180°	6.2

(END OF REPORT)