

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: P588430

Luminaire Tested: **ARC-CA6-130-730-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588430
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-CA6-130-730-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: 16040 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 - U5 - G5

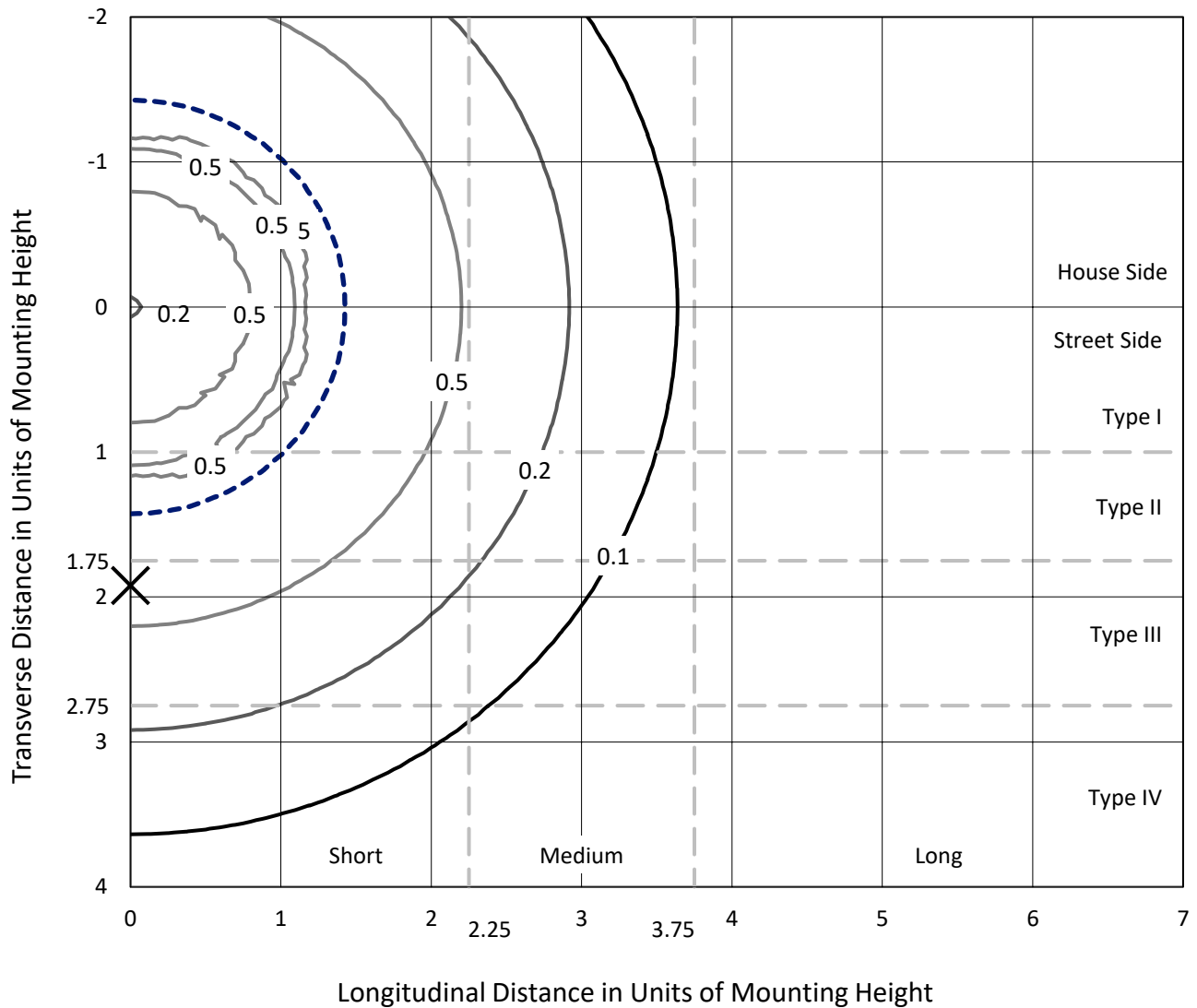
Input Watts (W): 124.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

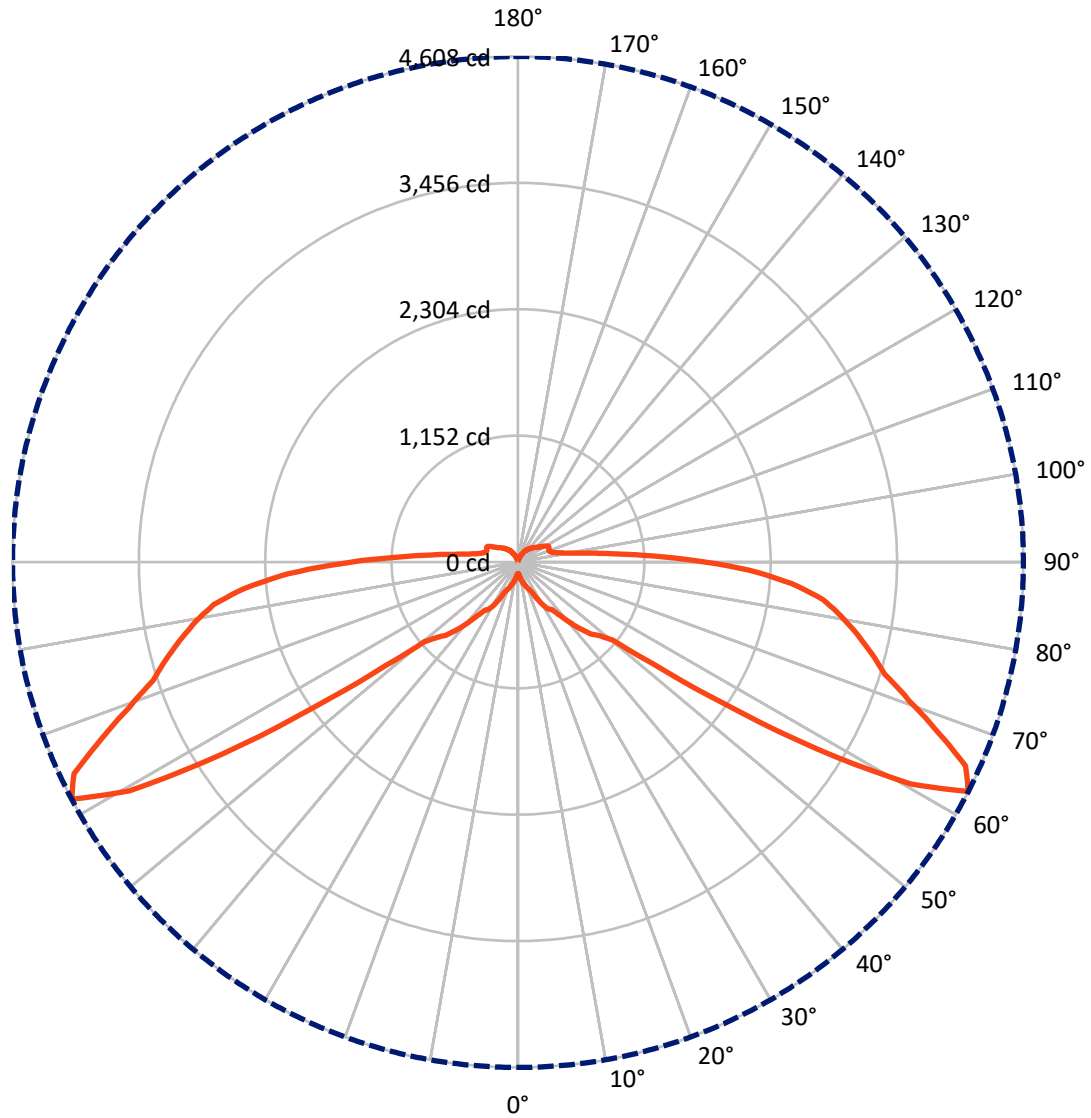
✕ Max cd
 - - - 1/2 Max cd



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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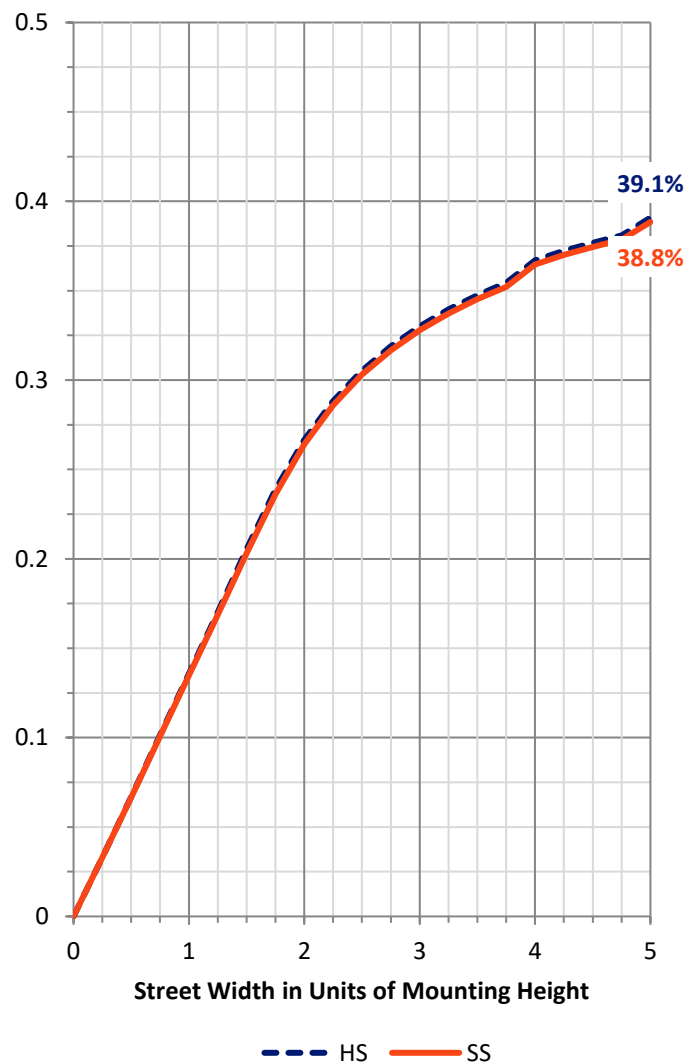
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6962.6	1057.4	8020.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6962.6	1057.4	8020.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	13925.1	2114.9	16040.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.1
10°-20°	60.8	0.4
20°-30°	158.0	1.0
30°-40°	355.4	2.2
40°-50°	718.1	4.5
50°-60°	2186.8	13.6
60°-70°	4254.6	26.5
70°-80°	3533.0	22.0
80°-90°	2645.1	16.5
90°-100°	968.7	6.0
100°-110°	364.7	2.3
110°-120°	304.0	1.9
120°-130°	214.1	1.3
130°-140°	138.8	0.9
140°-150°	80.4	0.5
150°-160°	34.7	0.2
160°-170°	8.8	0.1
170°-180°	0.7	0.0
0°-90°	13925.1	86.8
0°-180°	16040.0	100.0



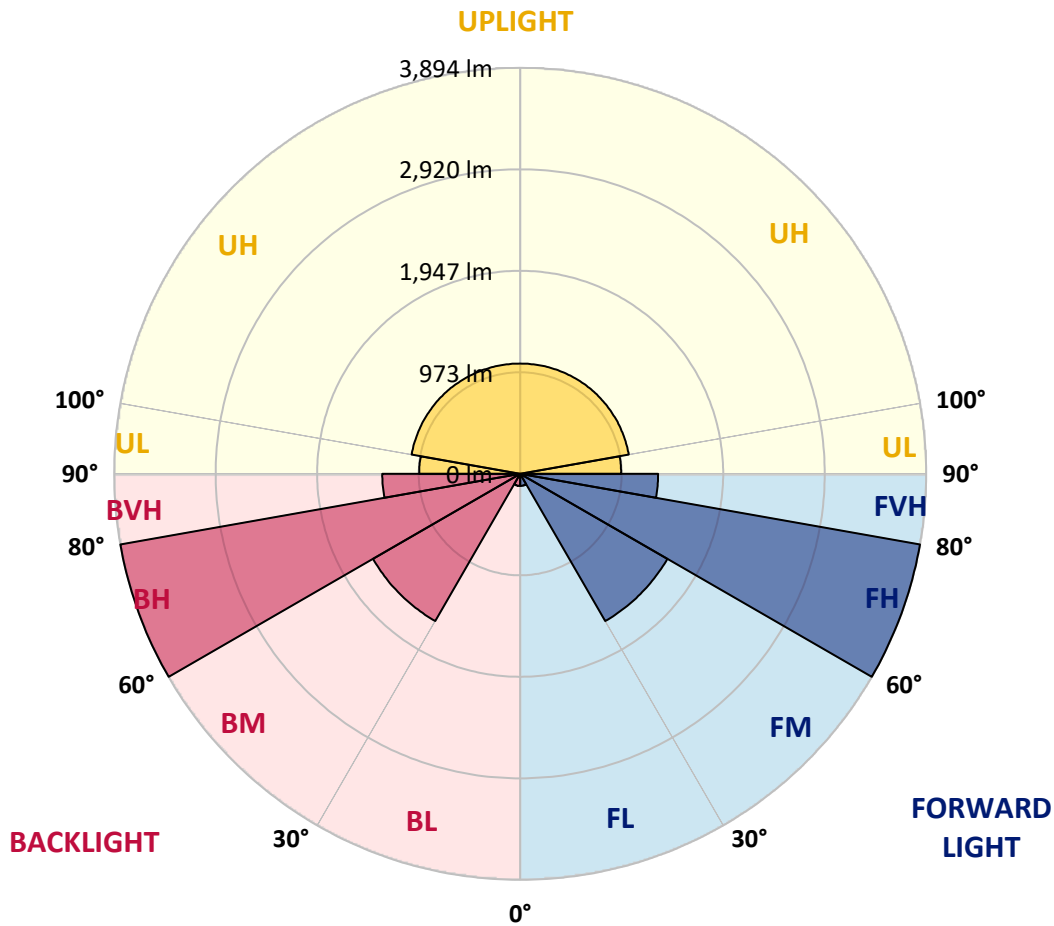
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.0	0.7			
FM (30°-60°)	1630.2	10.2			
FH (60°-80°)	3893.8	24.3			G2/5000
FVH (80°-90°)	1322.6	8.2			G5
BL (0°-30°)	116.0	0.7	B1/500		
BM (30°-60°)	1630.2	10.2	B2/2500		
BH (60°-80°)	3893.8	24.3	B4/5000		G2/5000
BVH (80°-90°)	1322.6	8.2			G5
UL (90°-100°)	968.7	6.0		U4/1000	
UH (100°-180°)	1057.4	6.6		U5	

BUG Rating: B4-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	106.9
2.5°	109.0
5°	121.9
7.5°	145.4
10°	166.8
12.5°	188.2
15°	209.5
17.5°	230.9
20°	256.6
22.5°	275.8
25°	316.4
27.5°	389.1
30°	461.8
32.5°	511.0
35°	532.4
37.5°	611.5
40°	718.4
42.5°	829.6
45°	936.5
47.5°	1004.9
50°	1116.1
52.5°	1530.9
55°	2270.7
57.5°	3215.7
60°	4109.4
62.5°	4607.6
65°	4483.6
67.5°	4122.3
70°	3782.3
72.5°	3495.8
75°	3329.0
77.5°	3160.1
80°	2986.9
82.5°	2800.9
85°	2501.6
87.5°	2103.9
90°	1607.9
92.5°	1146.0
95°	797.5
97.5°	577.3
100°	442.6
102.5°	367.8
105°	329.3
107.5°	307.9
110°	301.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	305.7
115°	314.3
117.5°	310.0
120°	288.6
122.5°	256.6
125°	233.1
127.5°	215.9
130°	203.1
132.5°	190.3
135°	179.6
137.5°	166.8
140°	151.8
142.5°	139.0
145°	128.3
147.5°	115.5
150°	98.4
152.5°	85.5
155°	72.7
157.5°	62.0
160°	49.2
162.5°	38.5
165°	27.8
167.5°	19.2
170°	12.8
172.5°	6.4
175°	4.3
177.5°	6.4
180°	6.4

(END OF REPORT)