

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: P588438

Luminaire Tested: **ARC-CA6-130-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588438
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-CA6-130-750-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16718 lumens
Efficiency: N/A
Efficacy: 134.5 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

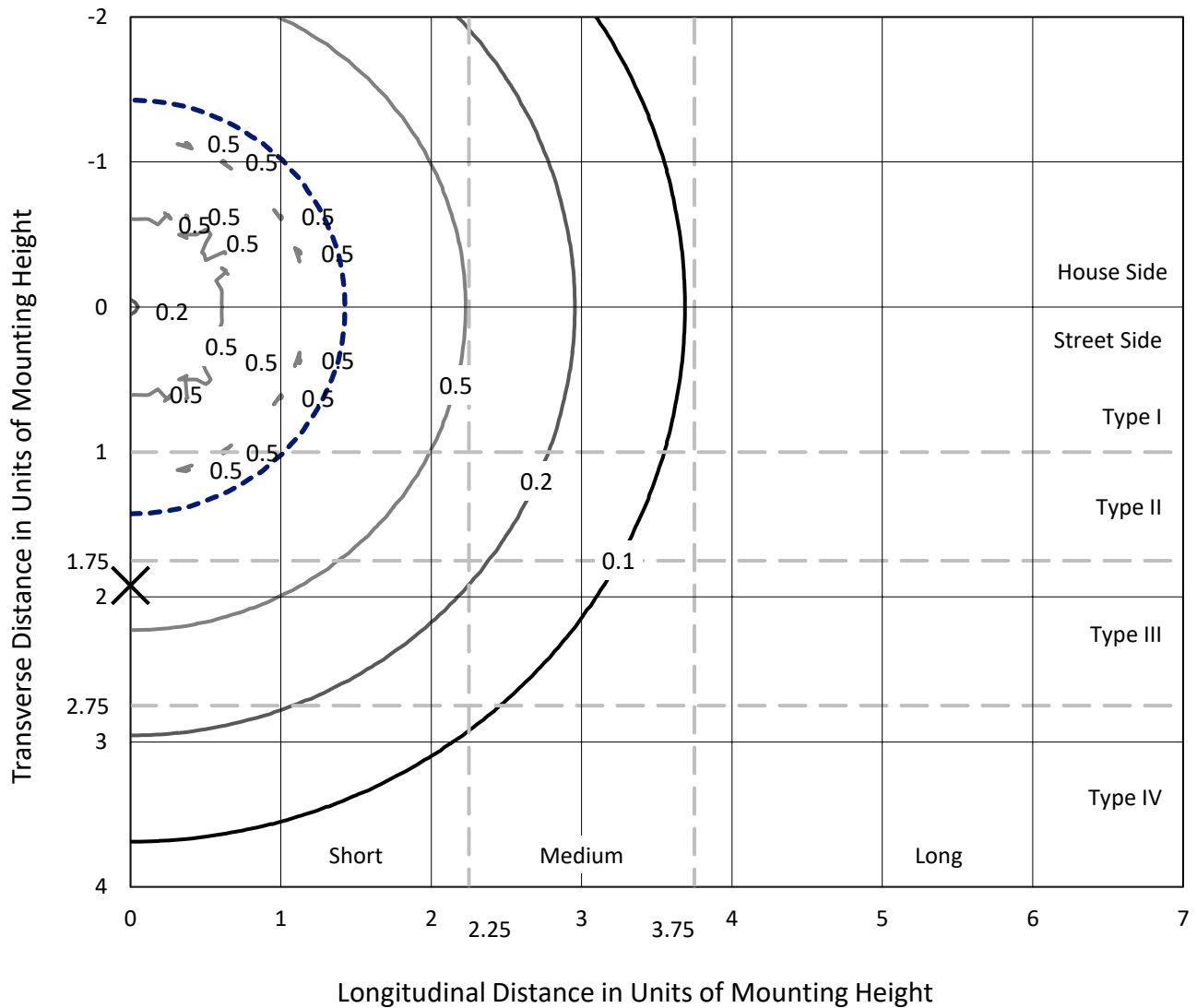
Input Watts (W): 124.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

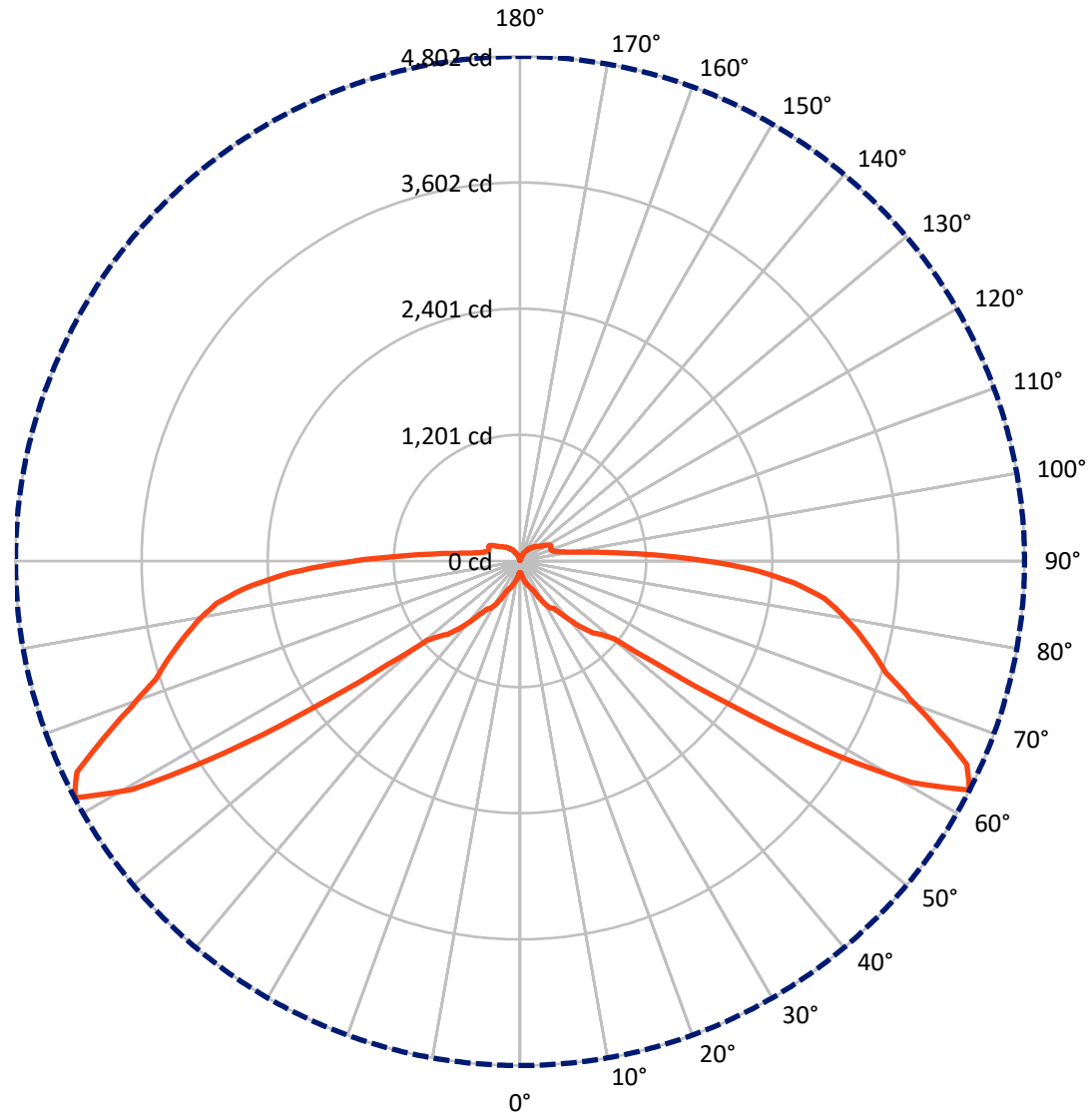
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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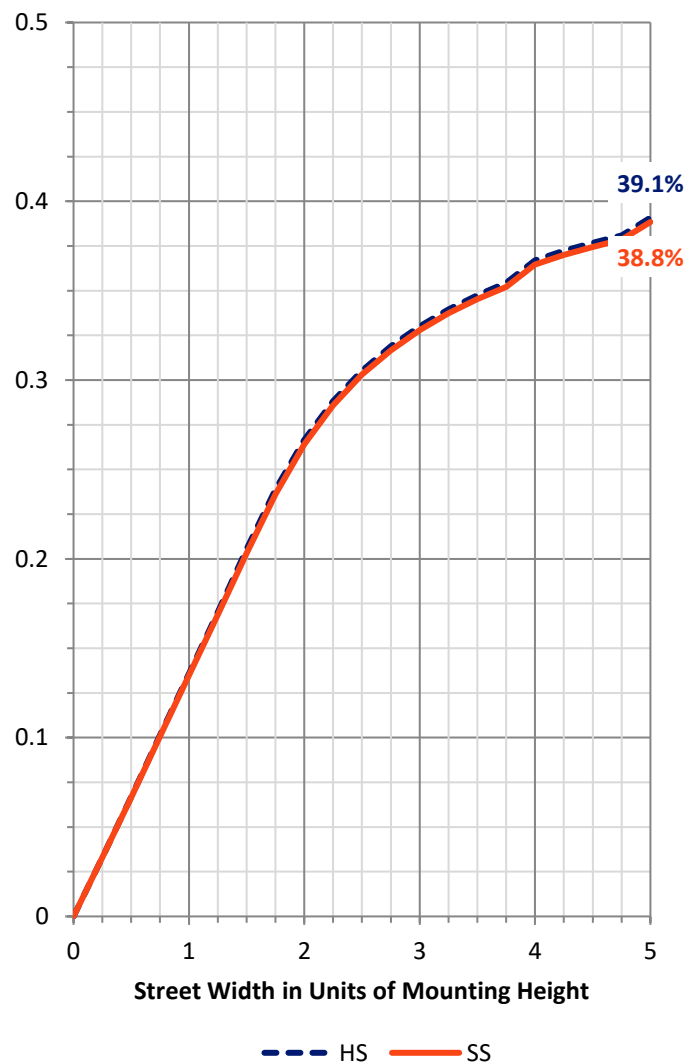
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7256.9	1102.1	8359.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	7256.9	1102.1	8359.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	14513.7	2204.2	16718.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.1
10°-20°	63.4	0.4
20°-30°	164.7	1.0
30°-40°	370.5	2.2
40°-50°	748.5	4.5
50°-60°	2279.2	13.6
60°-70°	4434.4	26.5
70°-80°	3682.4	22.0
80°-90°	2756.9	16.5
90°-100°	1009.6	6.0
100°-110°	380.1	2.3
110°-120°	316.9	1.9
120°-130°	223.2	1.3
130°-140°	144.6	0.9
140°-150°	83.8	0.5
150°-160°	36.1	0.2
160°-170°	9.2	0.1
170°-180°	0.7	0.0
0°-90°	14513.7	86.8
0°-180°	16718.0	100.0

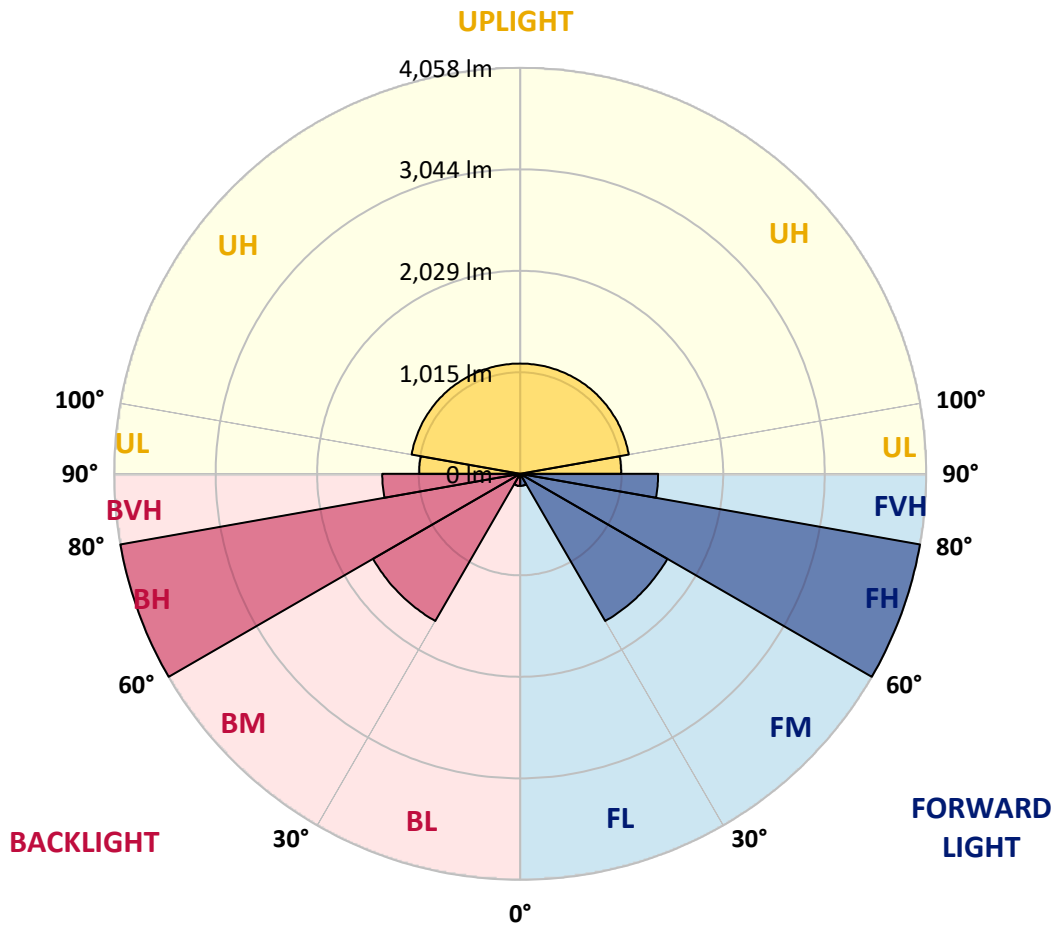


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.9	0.7			
FM (30°-60°)	1699.1	10.2			
FH (60°-80°)	4058.4	24.3			G2/5000
FVH (80°-90°)	1378.5	8.2			G5
BL (0°-30°)	120.9	0.7	B1/500		
BM (30°-60°)	1699.1	10.2	B2/2500		
BH (60°-80°)	4058.4	24.3	B4/5000		G2/5000
BVH (80°-90°)	1378.5	8.2			G5
UL (90°-100°)	1009.6	6.0		U5	
UH (100°-180°)	1102.1	6.6		U5	

BUG Rating: B4-U5-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	111.4
2.5°	113.7
5°	127.0
7.5°	151.5
10°	173.8
12.5°	196.1
15°	218.4
17.5°	240.7
20°	267.4
22.5°	287.5
25°	329.8
27.5°	405.6
30°	481.4
32.5°	532.6
35°	554.9
37.5°	637.3
40°	748.8
42.5°	864.7
45°	976.1
47.5°	1047.4
50°	1163.3
52.5°	1595.6
55°	2366.6
57.5°	3351.6
60°	4283.1
62.5°	4802.4
65°	4673.1
67.5°	4296.5
70°	3942.2
72.5°	3643.6
75°	3469.7
77.5°	3293.7
80°	3113.2
82.5°	2919.3
85°	2607.3
87.5°	2192.8
90°	1675.8
92.5°	1194.5
95°	831.2
97.5°	601.7
100°	461.3
102.5°	383.3
105°	343.2
107.5°	320.9
110°	314.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	318.7
115°	327.6
117.5°	323.1
120°	300.8
122.5°	267.4
125°	242.9
127.5°	225.1
130°	211.7
132.5°	198.3
135°	187.2
137.5°	173.8
140°	158.2
142.5°	144.9
145°	133.7
147.5°	120.3
150°	102.5
152.5°	89.1
155°	75.8
157.5°	64.6
160°	51.3
162.5°	40.1
165°	29.0
167.5°	20.1
170°	13.4
172.5°	6.7
175°	4.5
177.5°	6.7
180°	6.7

(END OF REPORT)