

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: P588454

Luminaire Tested: **ARC-CA6-50-730-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588454
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-CA6-50-730-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: 7331 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U4 - G4

Input Watts (W): 54
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



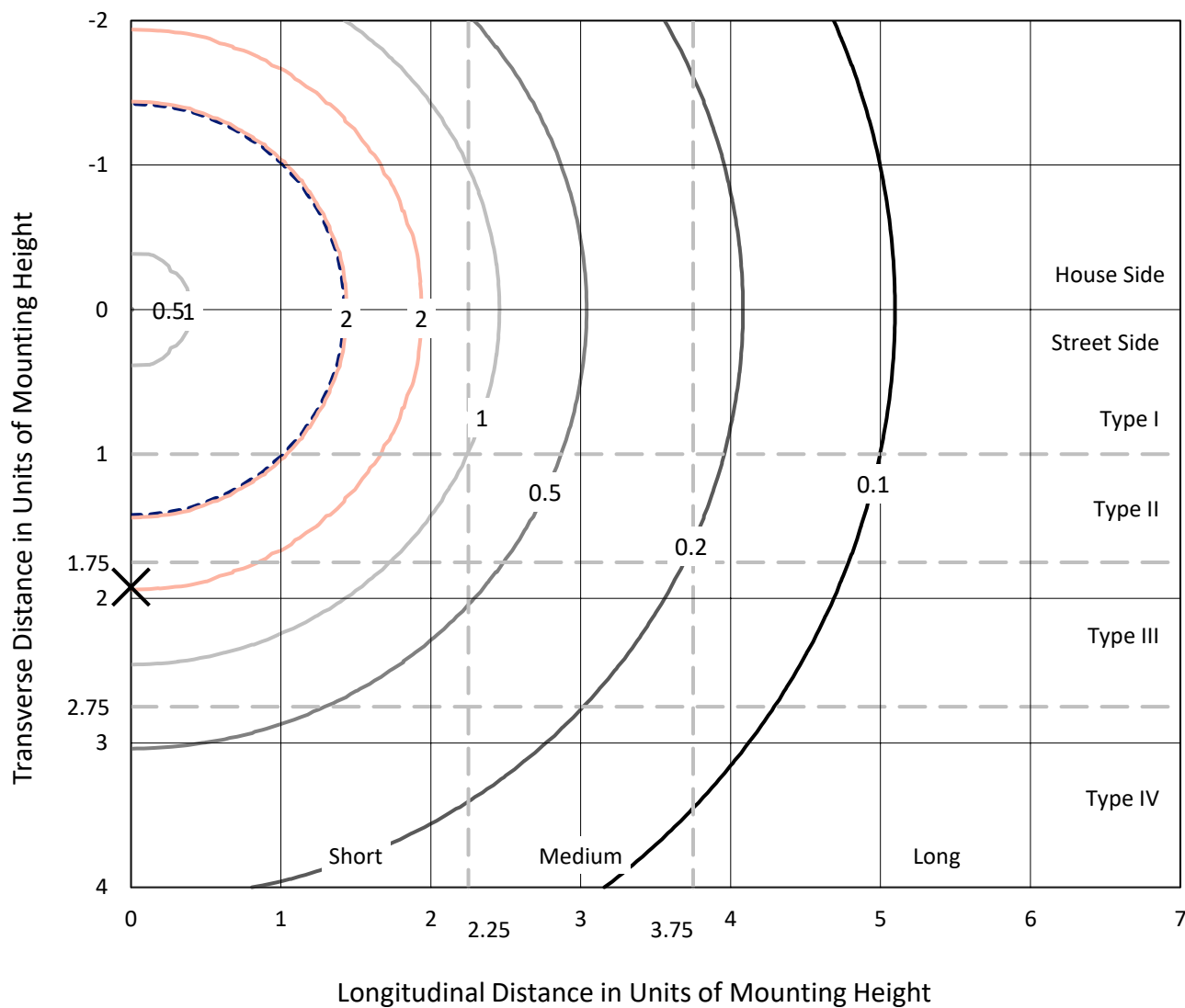
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

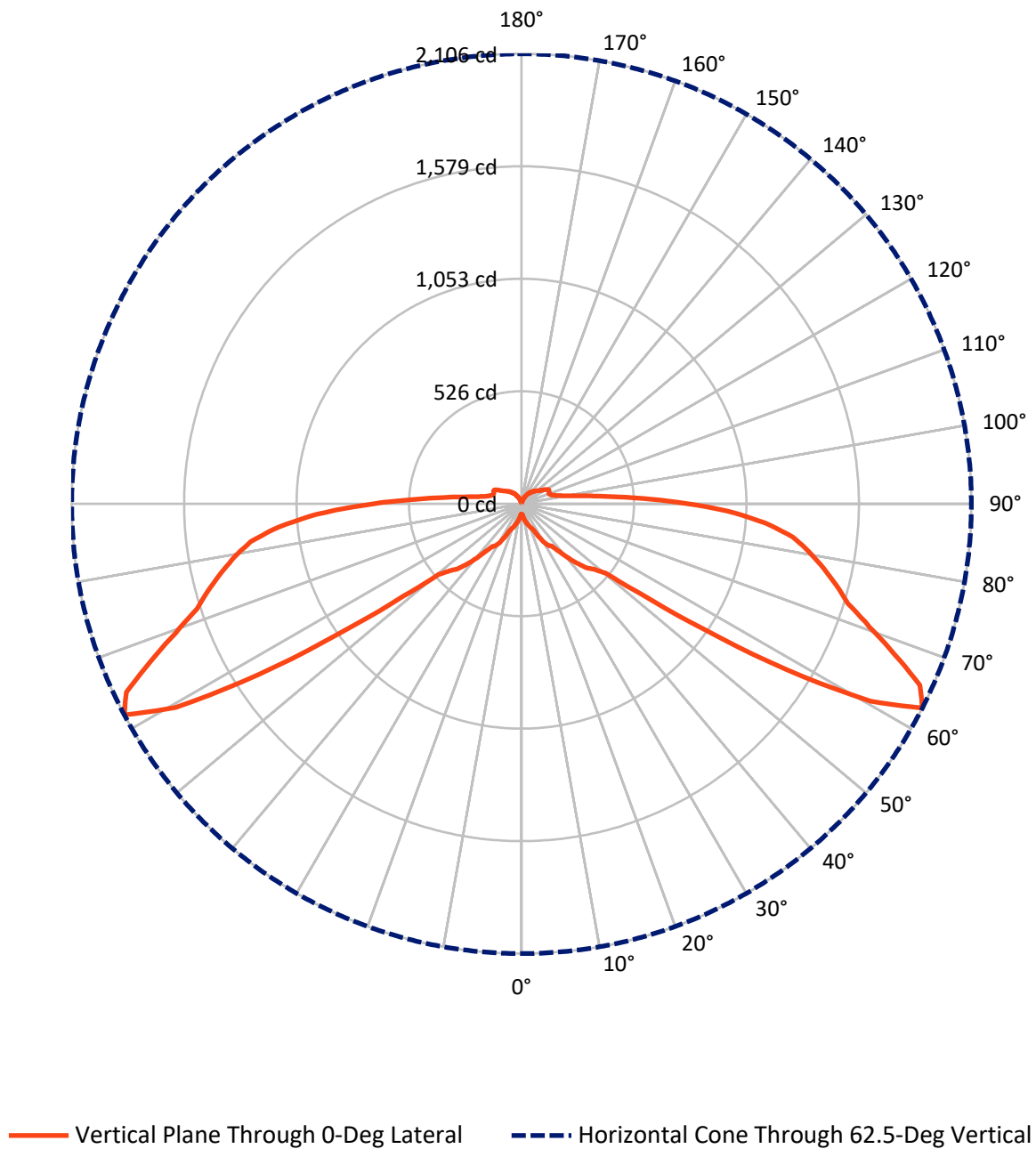


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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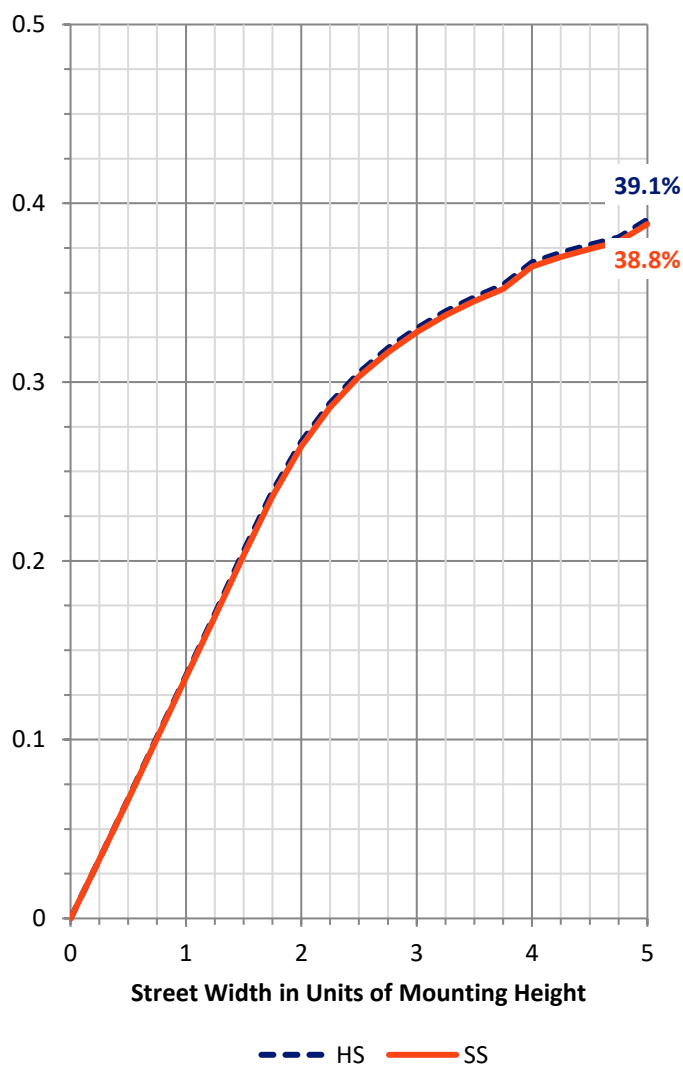
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3182.2	483.3	3665.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3182.2	483.3	3665.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	6364.4	966.6	7331.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	27.8	0.4
20°-30°	72.2	1.0
30°-40°	162.5	2.2
40°-50°	328.2	4.5
50°-60°	999.5	13.6
60°-70°	1944.6	26.5
70°-80°	1614.8	22.0
80°-90°	1208.9	16.5
90°-100°	442.7	6.0
100°-110°	166.7	2.3
110°-120°	138.9	1.9
120°-130°	97.9	1.3
130°-140°	63.4	0.9
140°-150°	36.7	0.5
150°-160°	15.8	0.2
160°-170°	4.0	0.1
170°-180°	0.3	0.0
0°-90°	6364.4	86.8
0°-180°	7331.0	100.0

Coefficient of Utilization



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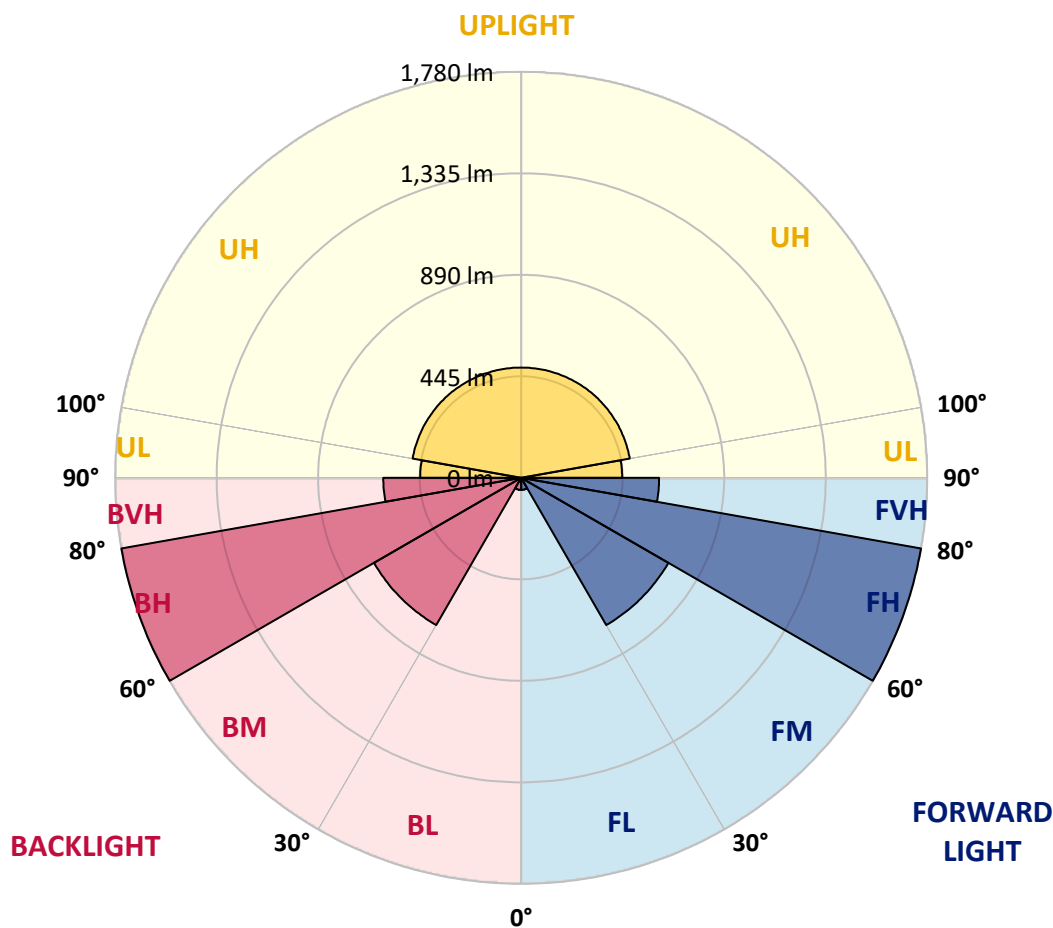
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.0	0.7			
FM	(30°-60°)	745.1	10.2			
FH	(60°-80°)	1779.7	24.3			G1/1800
FVH	(80°-90°)	604.5	8.2			G4/750
BL	(0°-30°)	53.0	0.7	B0/110		
BM	(30°-60°)	745.1	10.2	B1/1000		
BH	(60°-80°)	1779.7	24.3	B3/2500		G1/1800
BVH	(80°-90°)	604.5	8.2			G4/750
UL	(90°-100°)	442.7	6.0		U3/500	
UH	(100°-180°)	483.3	6.6		U3/500	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	48.9
2.5°	49.8
5°	55.7
7.5°	66.5
10°	76.2
12.5°	86.0
15°	95.8
17.5°	105.5
20°	117.3
22.5°	126.1
25°	144.6
27.5°	177.9
30°	211.1
32.5°	233.6
35°	243.3
37.5°	279.5
40°	328.3
42.5°	379.2
45°	428.0
47.5°	459.3
50°	510.1
52.5°	699.7
55°	1037.8
57.5°	1469.7
60°	1878.2
62.5°	2105.9
65°	2049.2
67.5°	1884.1
70°	1728.7
72.5°	1597.7
75°	1521.5
77.5°	1444.3
80°	1365.2
82.5°	1280.1
85°	1143.3
87.5°	961.6
90°	734.9
92.5°	523.8
95°	364.5
97.5°	263.8
100°	202.3
102.5°	168.1
105°	150.5
107.5°	140.7
110°	137.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.7
115°	143.6
117.5°	141.7
120°	131.9
122.5°	117.3
125°	106.5
127.5°	98.7
130°	92.8
132.5°	87.0
135°	82.1
137.5°	76.2
140°	69.4
142.5°	63.5
145°	58.6
147.5°	52.8
150°	45.0
152.5°	39.1
155°	33.2
157.5°	28.3
160°	22.5
162.5°	17.6
165°	12.7
167.5°	8.8
170°	5.9
172.5°	2.9
175°	2.0
177.5°	2.9
180°	2.9

(END OF REPORT)