

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: P588514

Luminaire Tested: **ARC-CA6-70-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588514
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-CA6-70-760-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10032.1 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 - G5

Input Watts (W): 73.9
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

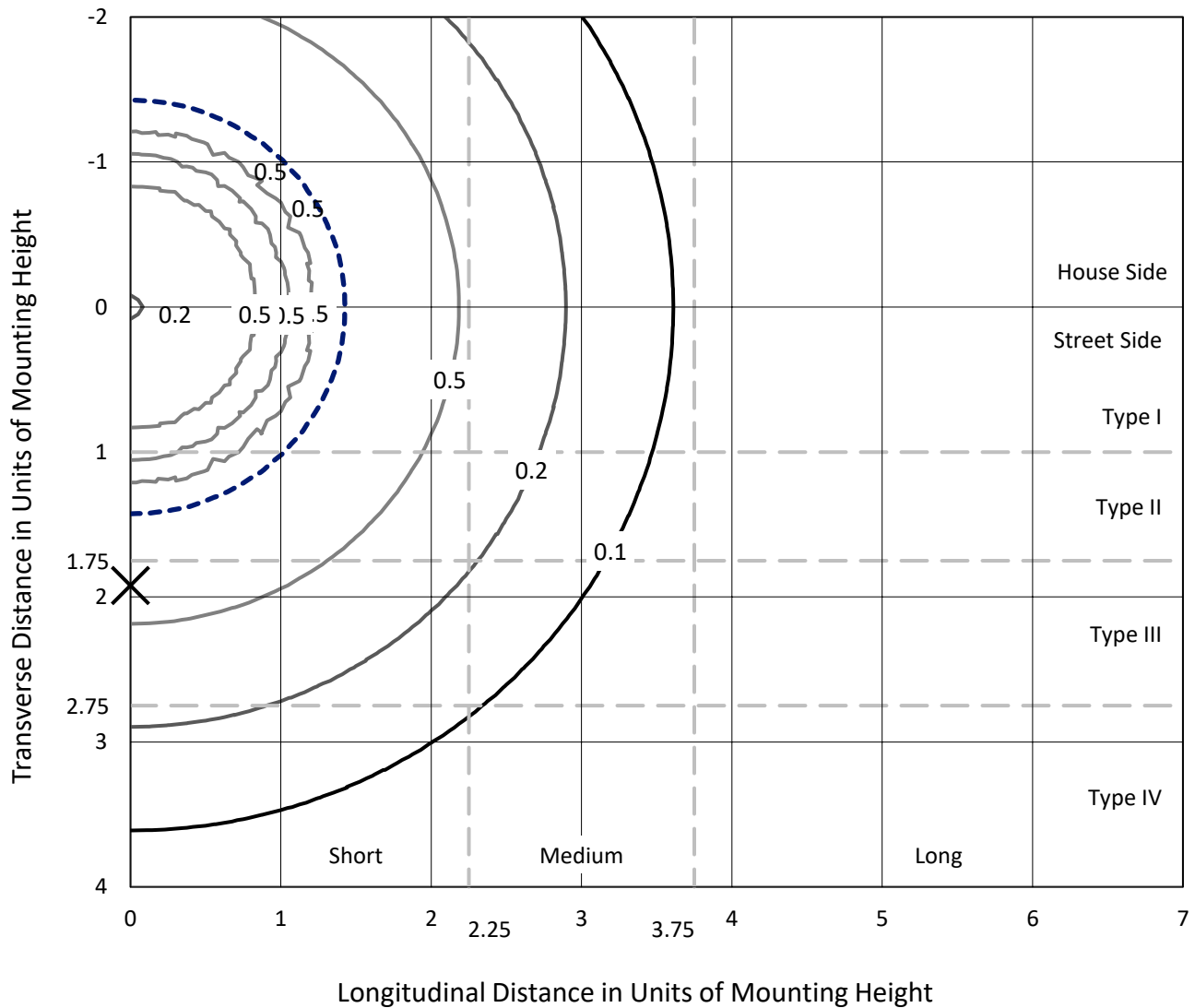


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

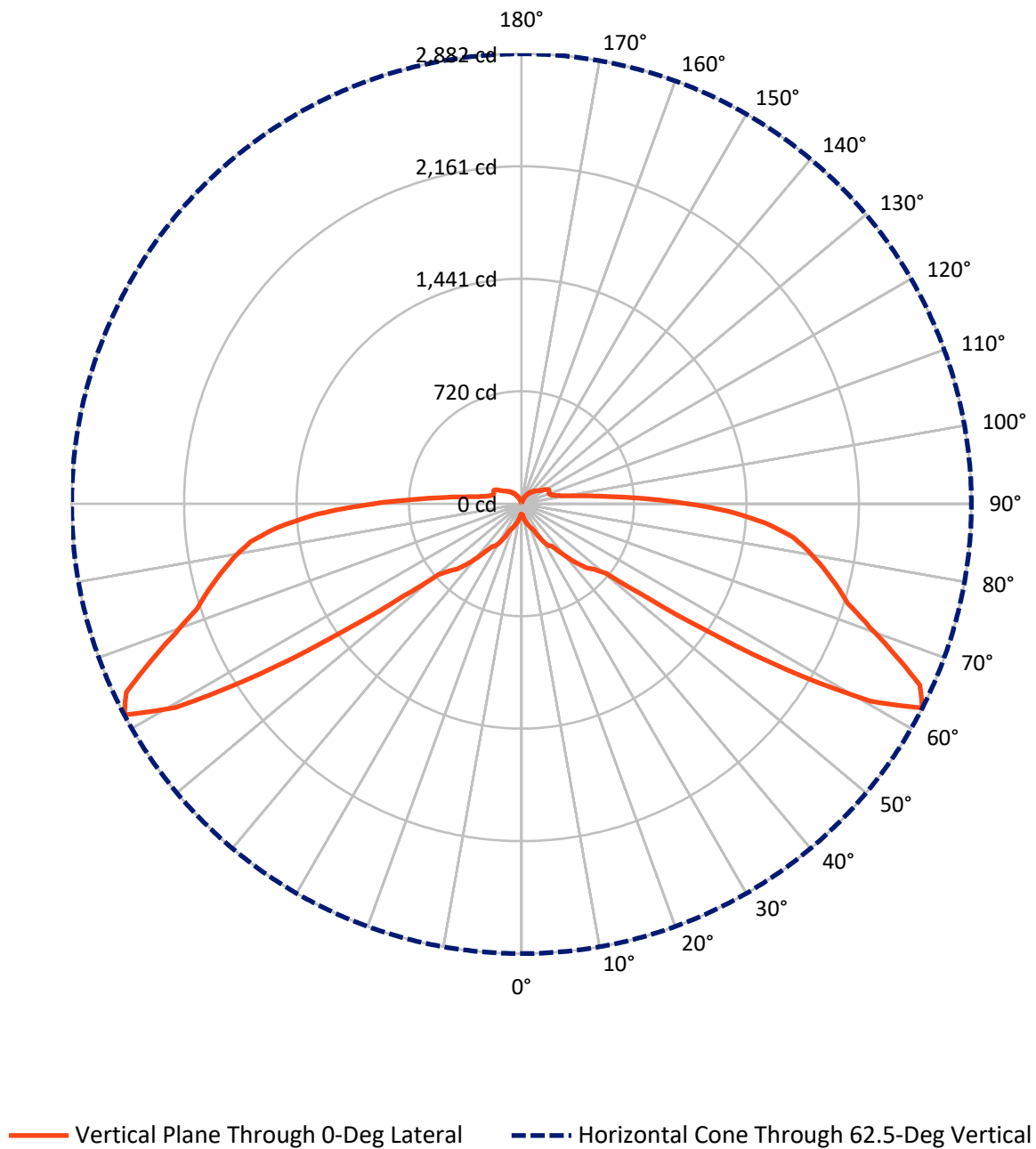


Based on 20 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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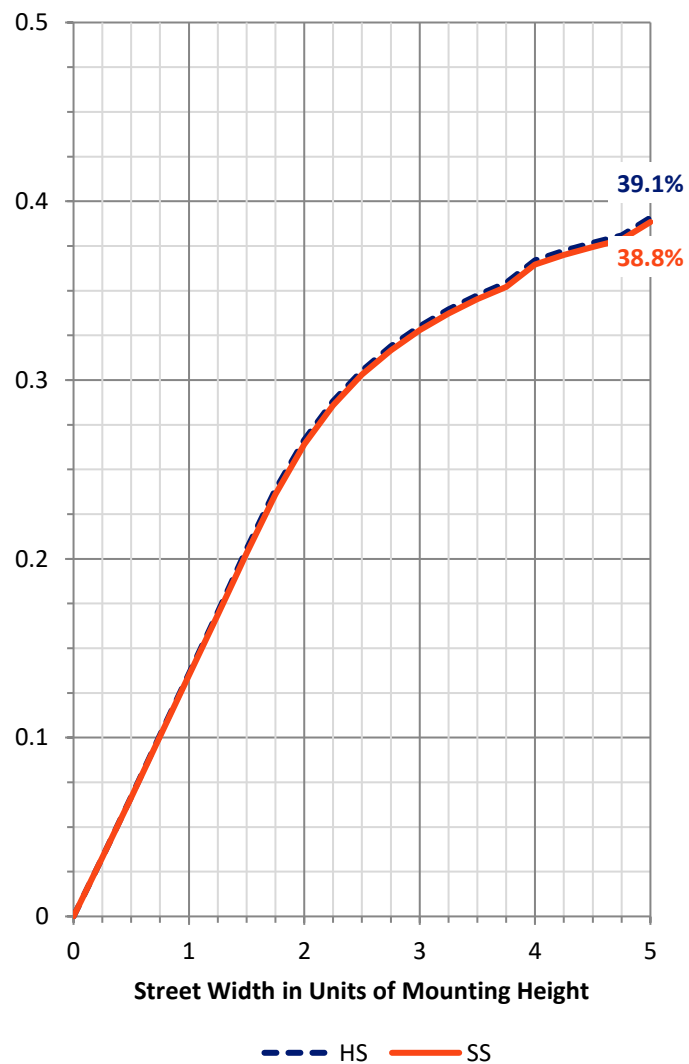
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4354.7	661.4	5016.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4354.7	661.4	5016.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	8709.3	1322.7	10032.1
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.3	0.1
10°-20°	38.0	0.4
20°-30°	98.8	1.0
30°-40°	222.3	2.2
40°-50°	449.1	4.5
50°-60°	1367.7	13.6
60°-70°	2661.0	26.5
70°-80°	2209.7	22.0
80°-90°	1654.4	16.5
90°-100°	605.9	6.0
100°-110°	228.1	2.3
110°-120°	190.2	1.9
120°-130°	133.9	1.3
130°-140°	86.8	0.9
140°-150°	50.3	0.5
150°-160°	21.7	0.2
160°-170°	5.5	0.1
170°-180°	0.4	0.0
0°-90°	8709.3	86.8
0°-180°	10032.1	100.0

Coefficient of Utilization



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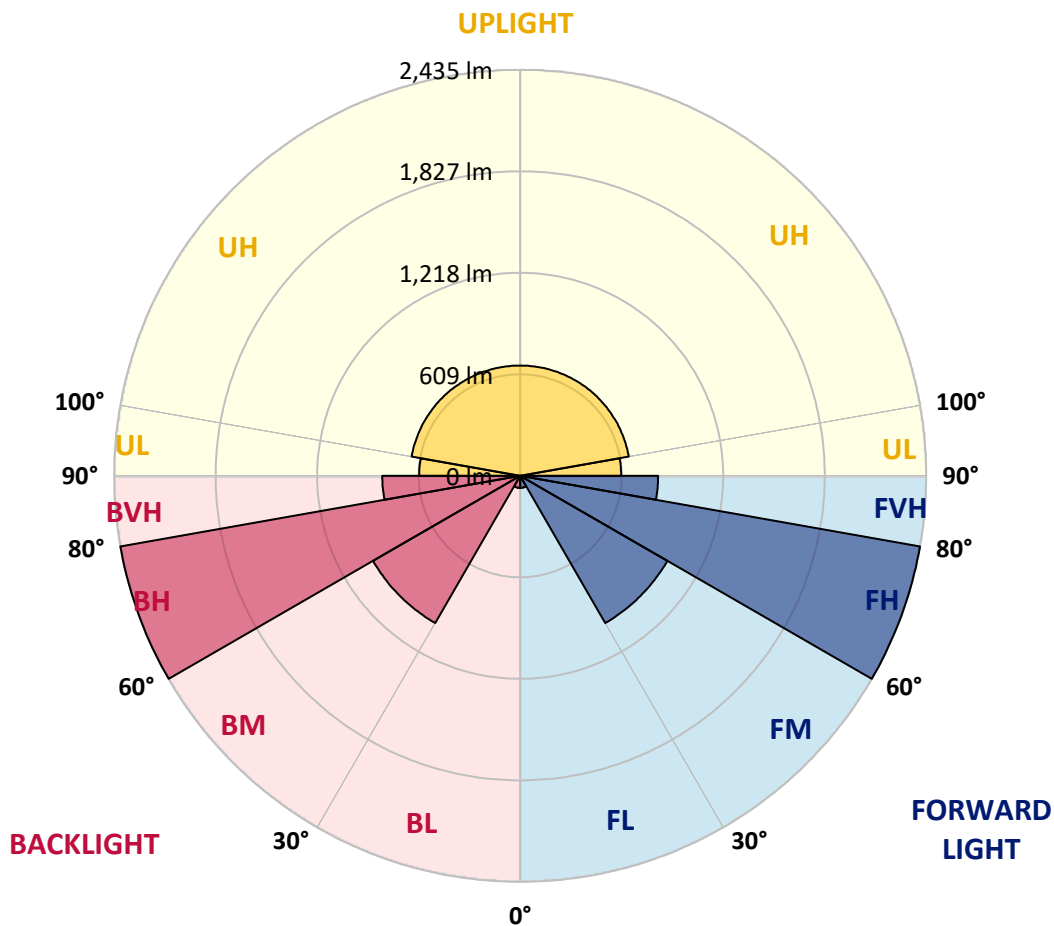
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.6	0.7			
FM	(30°-60°)	1019.6	10.2			
FH	(60°-80°)	2435.3	24.3			G2/5000
FVH	(80°-90°)	827.2	8.2			G5
BL	(0°-30°)	72.6	0.7	B0/110		
BM	(30°-60°)	1019.6	10.2	B2/2500		
BH	(60°-80°)	2435.3	24.3	B3/2500		G2/5000
BVH	(80°-90°)	827.2	8.2			G5
UL	(90°-100°)	605.9	6.0		U4/1000	
UH	(100°-180°)	661.4	6.6		U4/1000	

BUG Rating: B3-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	66.9
2.5°	68.2
5°	76.2
7.5°	90.9
10°	104.3
12.5°	117.7
15°	131.1
17.5°	144.4
20°	160.5
22.5°	172.5
25°	197.9
27.5°	243.4
30°	288.8
32.5°	319.6
35°	333.0
37.5°	382.5
40°	449.3
42.5°	518.9
45°	585.7
47.5°	628.5
50°	698.0
52.5°	957.5
55°	1420.2
57.5°	2011.2
60°	2570.2
62.5°	2881.8
65°	2804.2
67.5°	2578.2
70°	2365.6
72.5°	2186.4
75°	2082.1
77.5°	1976.5
80°	1868.1
82.5°	1751.8
85°	1564.6
87.5°	1315.9
90°	1005.6
92.5°	716.8
95°	498.8
97.5°	361.1
100°	276.8
102.5°	230.0
105°	205.9
107.5°	192.6
110°	188.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	191.2
115°	196.6
117.5°	193.9
120°	180.5
122.5°	160.5
125°	145.8
127.5°	135.1
130°	127.0
132.5°	119.0
135°	112.3
137.5°	104.3
140°	94.9
142.5°	86.9
145°	80.2
147.5°	72.2
150°	61.5
152.5°	53.5
155°	45.5
157.5°	38.8
160°	30.8
162.5°	24.1
165°	17.4
167.5°	12.0
170°	8.0
172.5°	4.0
175°	2.7
177.5°	4.0
180°	4.0

(END OF REPORT)