

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: P588486

Luminaire Tested: **ARC-CA6-60-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588486
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-CA6-60-750-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: 8964 lumens
Efficiency: N/A
Efficacy: 139.4 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): 64.3
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



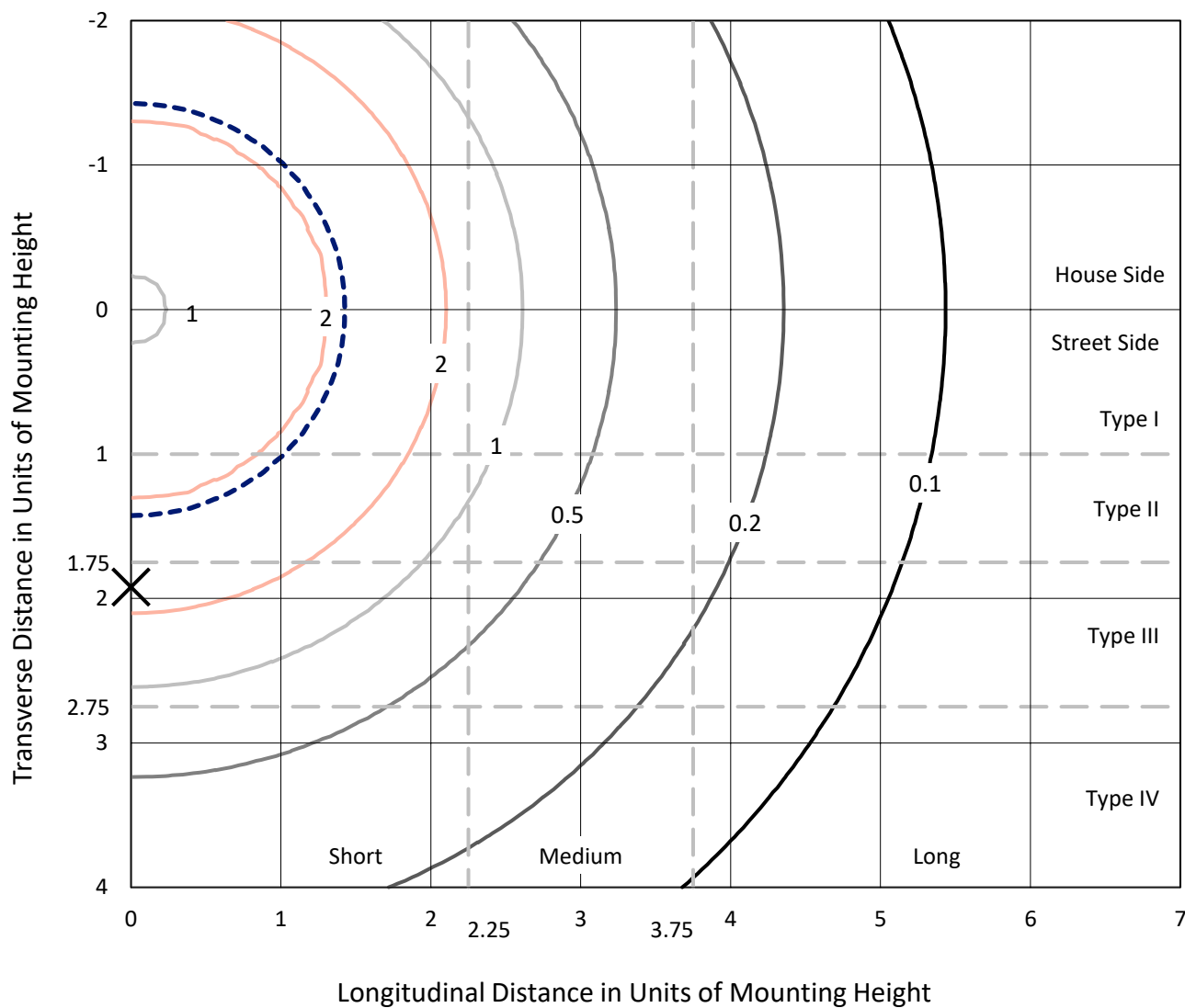
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

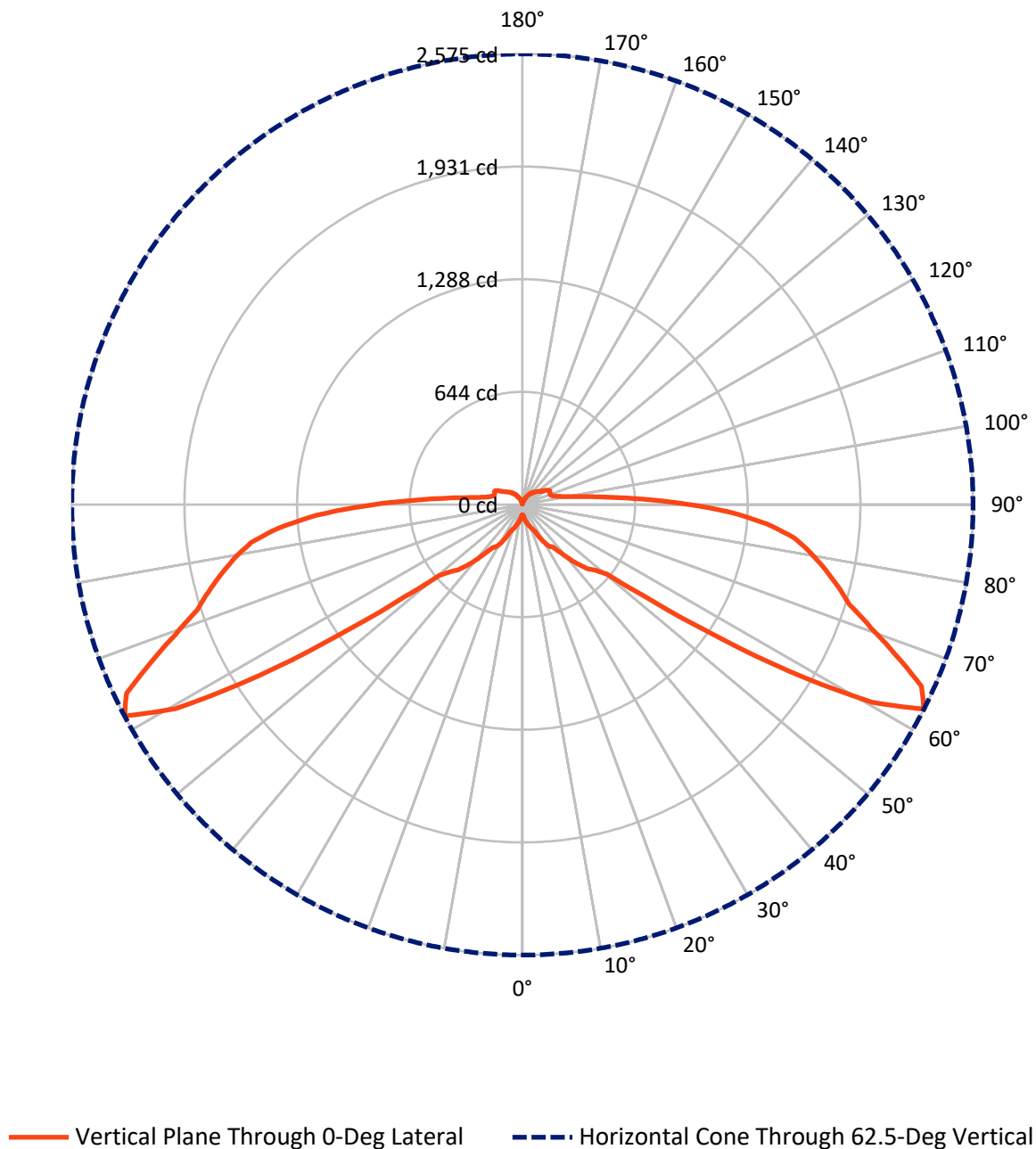


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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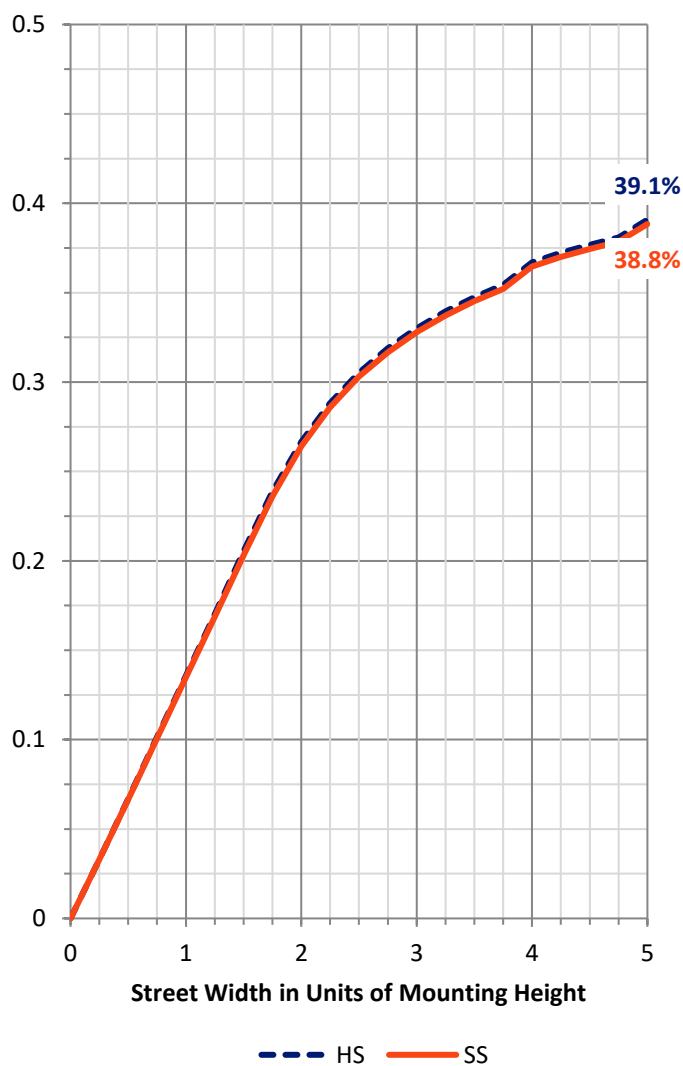
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3891.1	591.0	4482.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3891.1	591.0	4482.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	7782.1	1181.9	8964.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.1
10°-20°	34.0	0.4
20°-30°	88.3	1.0
30°-40°	198.6	2.2
40°-50°	401.3	4.5
50°-60°	1222.1	13.6
60°-70°	2377.7	26.5
70°-80°	1974.4	22.0
80°-90°	1478.2	16.5
90°-100°	541.4	6.0
100°-110°	203.8	2.3
110°-120°	169.9	1.9
120°-130°	119.7	1.3
130°-140°	77.6	0.9
140°-150°	44.9	0.5
150°-160°	19.4	0.2
160°-170°	4.9	0.1
170°-180°	0.4	0.0
0°-90°	7782.1	86.8
0°-180°	8964.0	100.0

Coefficient of Utilization



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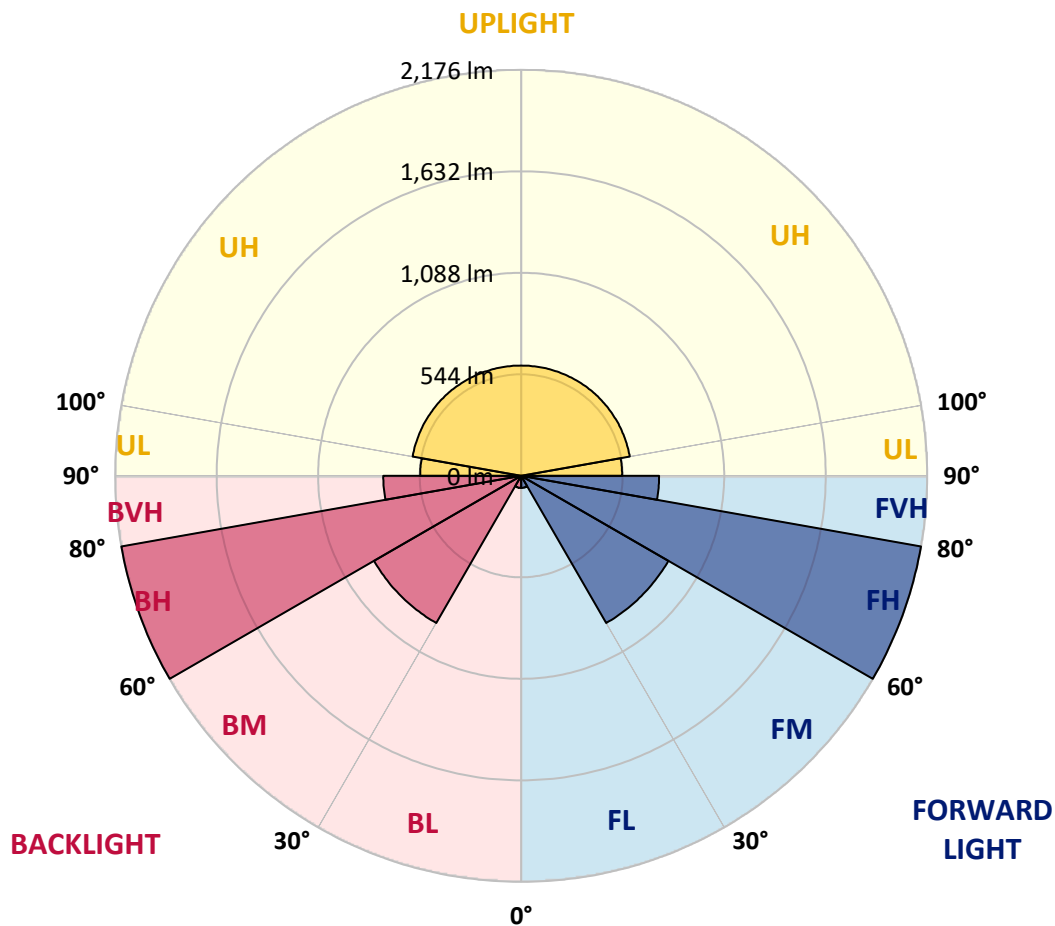
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.8	0.7			
FM	(30°-60°)	911.0	10.2			
FH	(60°-80°)	2176.1	24.3			G2/5000
FVH	(80°-90°)	739.1	8.2			G4/750
BL	(0°-30°)	64.8	0.7	B0/110		
BM	(30°-60°)	911.0	10.2	B1/1000		
BH	(60°-80°)	2176.1	24.3	B3/2500		G2/5000
BVH	(80°-90°)	739.1	8.2			G4/750
UL	(90°-100°)	541.4	6.0		U4/1000	
UH	(100°-180°)	591.0	6.6		U4/1000	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	59.7
2.5°	60.9
5°	68.1
7.5°	81.3
10°	93.2
12.5°	105.1
15°	117.1
17.5°	129.0
20°	143.4
22.5°	154.1
25°	176.8
27.5°	217.5
30°	258.1
32.5°	285.6
35°	297.5
37.5°	341.7
40°	401.5
42.5°	463.6
45°	523.4
47.5°	561.6
50°	623.7
52.5°	855.5
55°	1269.0
57.5°	1797.1
60°	2296.6
62.5°	2575.0
65°	2505.7
67.5°	2303.7
70°	2113.8
72.5°	1953.6
75°	1860.4
77.5°	1766.0
80°	1669.3
82.5°	1565.3
85°	1398.0
87.5°	1175.8
90°	898.6
92.5°	640.5
95°	445.7
97.5°	322.6
100°	247.3
102.5°	205.5
105°	184.0
107.5°	172.1
110°	168.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	170.9
115°	175.6
117.5°	173.3
120°	161.3
122.5°	143.4
125°	130.2
127.5°	120.7
130°	113.5
132.5°	106.3
135°	100.4
137.5°	93.2
140°	84.8
142.5°	77.7
145°	71.7
147.5°	64.5
150°	55.0
152.5°	47.8
155°	40.6
157.5°	34.7
160°	27.5
162.5°	21.5
165°	15.5
167.5°	10.8
170°	7.2
172.5°	3.6
175°	2.4
177.5°	3.6
180°	3.6

(END OF REPORT)