

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: P588482

Luminaire Tested: **ARC-CA6-60-740-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588482
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-CA6-60-740-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8802 lumens
Efficiency: N/A
Efficacy: 136.9 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



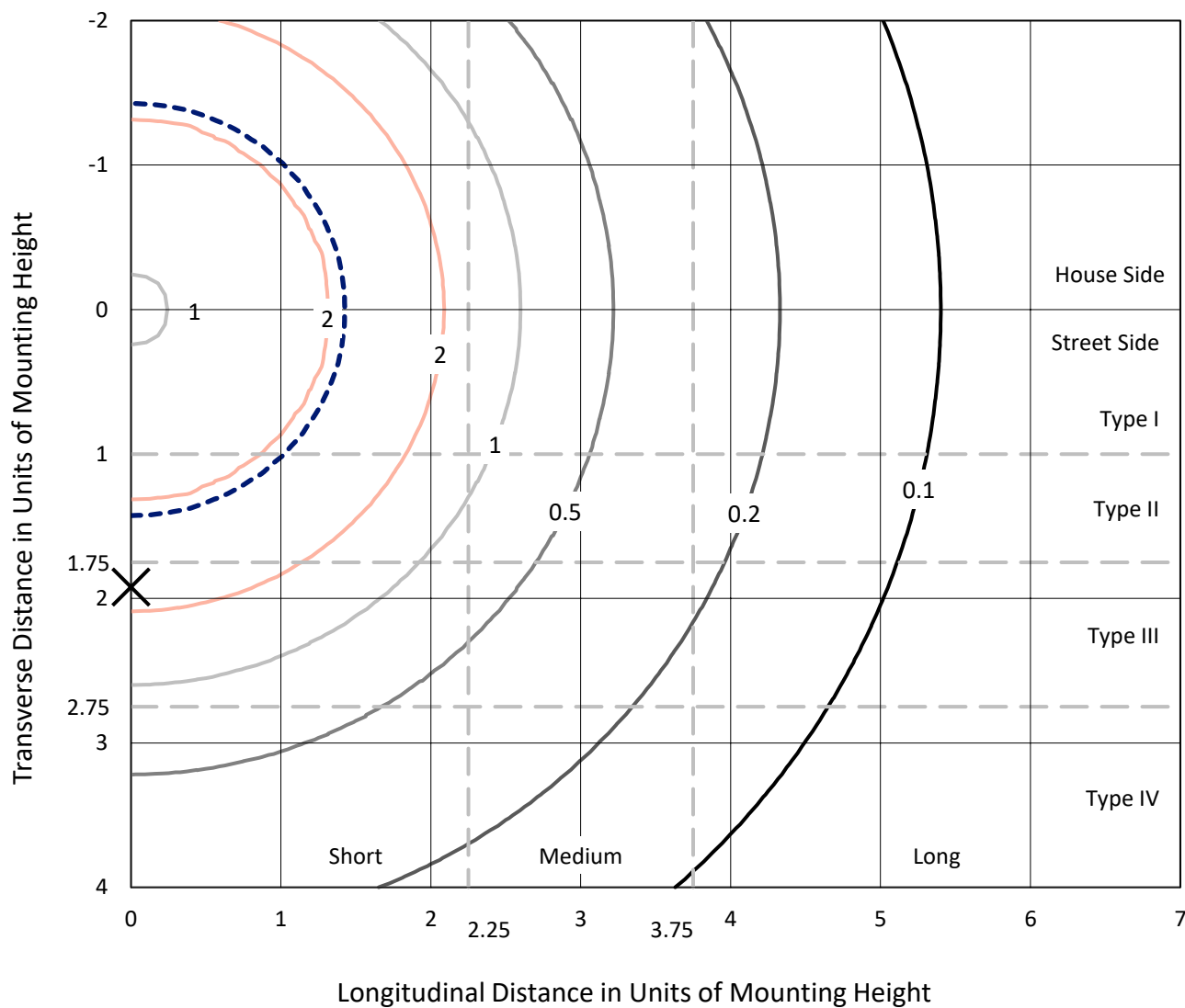
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

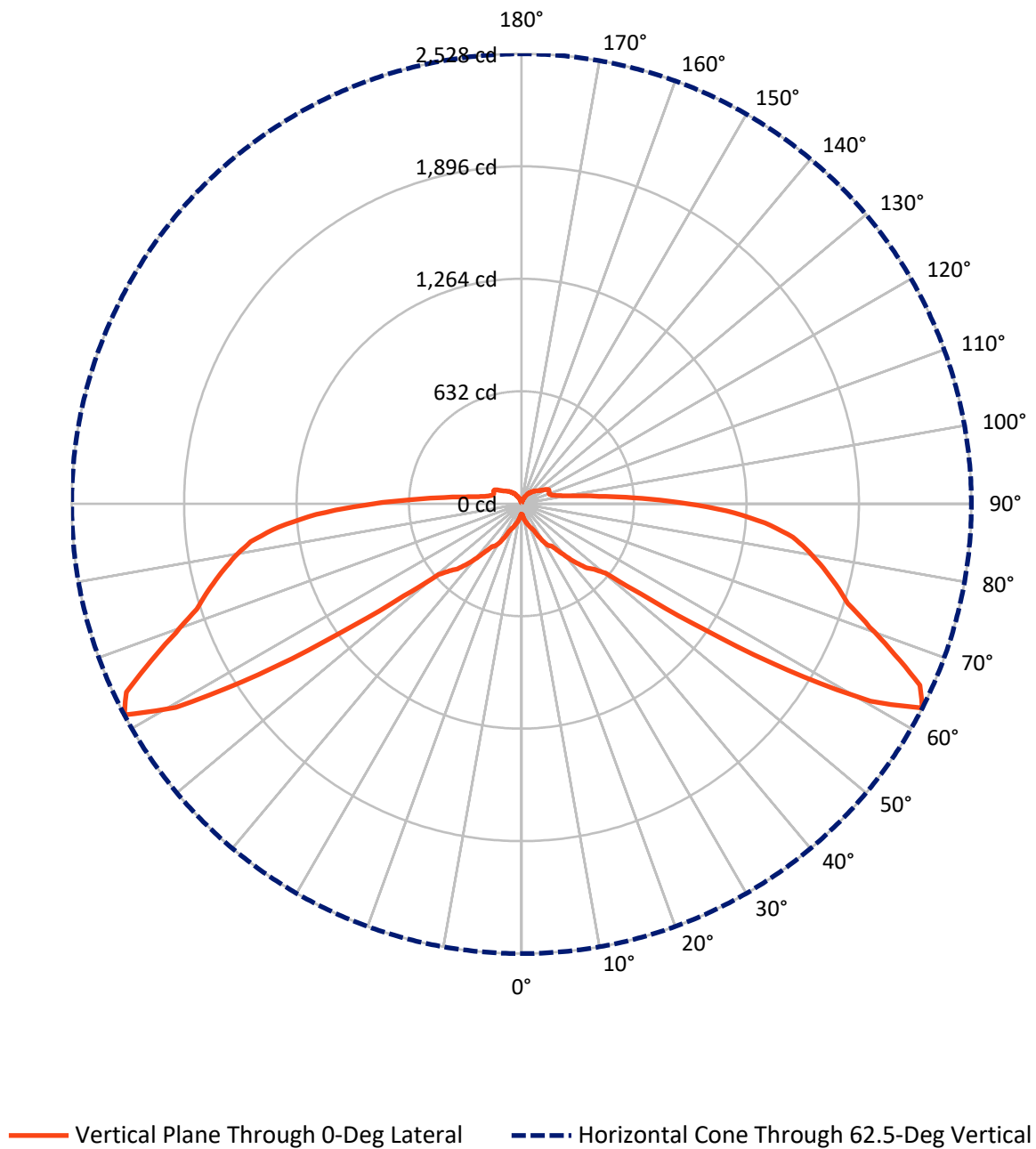


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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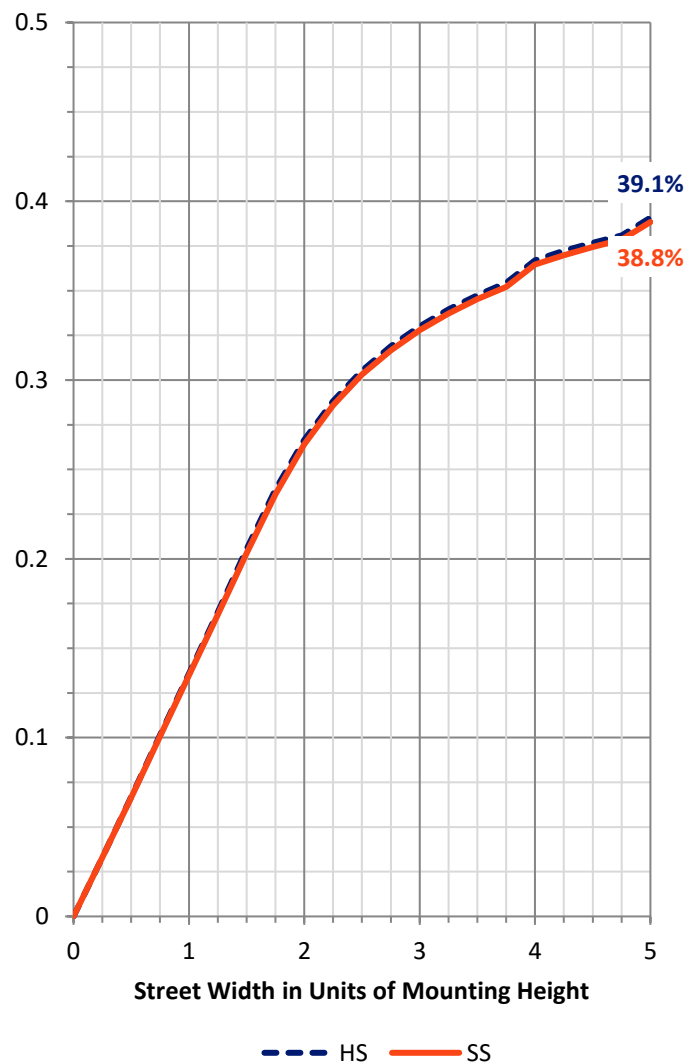
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3820.7	580.3	4401.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3820.7	580.3	4401.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	7641.4	1160.6	8802.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.3	0.1
10°-20°	33.4	0.4
20°-30°	86.7	1.0
30°-40°	195.0	2.2
40°-50°	394.0	4.5
50°-60°	1200.0	13.6
60°-70°	2334.7	26.5
70°-80°	1938.8	22.0
80°-90°	1451.5	16.5
90°-100°	531.6	6.0
100°-110°	200.1	2.3
110°-120°	166.9	1.9
120°-130°	117.5	1.3
130°-140°	76.2	0.9
140°-150°	44.1	0.5
150°-160°	19.0	0.2
160°-170°	4.8	0.1
170°-180°	0.4	0.0
0°-90°	7641.4	86.8
0°-180°	8802.0	100.0

Coefficient of Utilization



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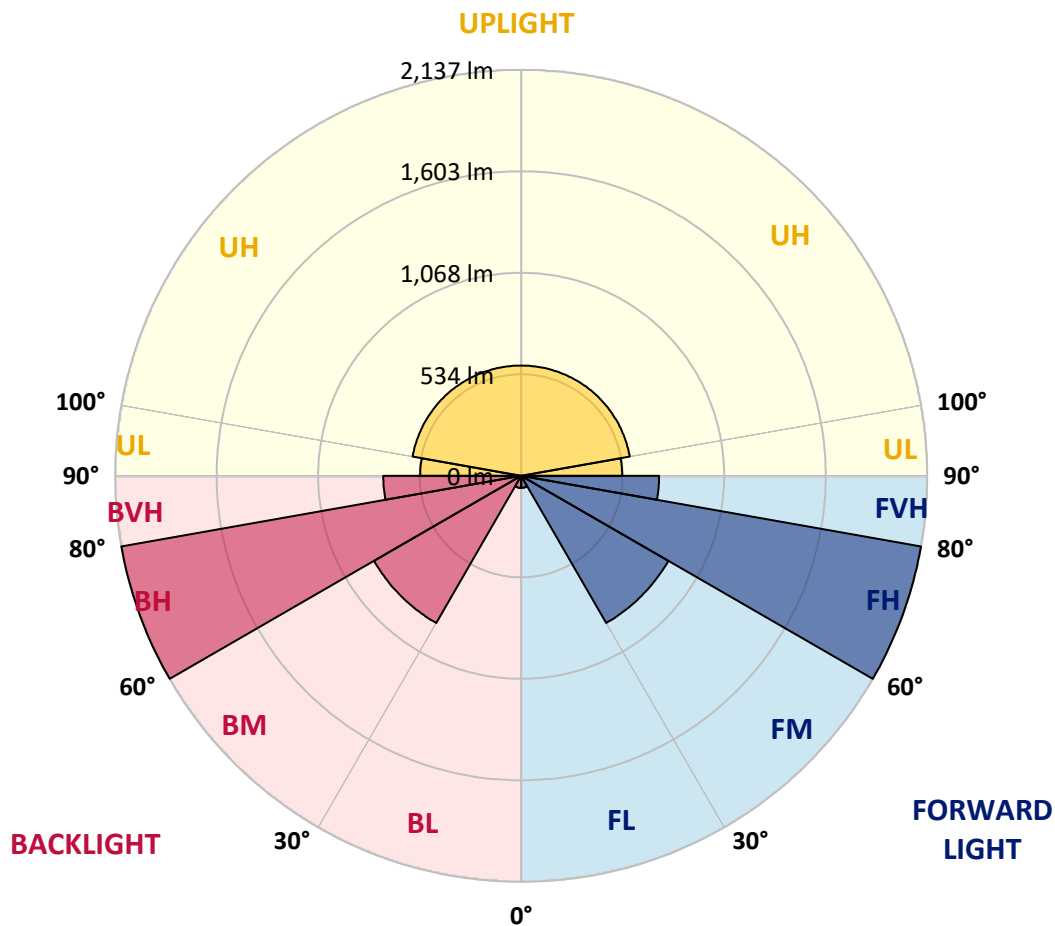
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	63.7	0.7			
FM	(30°-60°)	894.5	10.2			
FH	(60°-80°)	2136.7	24.3			G2/5000
FVH	(80°-90°)	725.8	8.2			G4/750
BL	(0°-30°)	63.7	0.7	B0/110		
BM	(30°-60°)	894.5	10.2	B1/1000		
BH	(60°-80°)	2136.7	24.3	B3/2500		G2/5000
BVH	(80°-90°)	725.8	8.2			G4/750
UL	(90°-100°)	531.6	6.0		U4/1000	
UH	(100°-180°)	580.3	6.6		U4/1000	

BUG Rating: B3-U4-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	58.7
2.5°	59.8
5°	66.9
7.5°	79.8
10°	91.5
12.5°	103.2
15°	115.0
17.5°	126.7
20°	140.8
22.5°	151.4
25°	173.6
27.5°	213.5
30°	253.4
32.5°	280.4
35°	292.1
37.5°	335.6
40°	394.2
42.5°	455.2
45°	513.9
47.5°	551.4
50°	612.5
52.5°	840.1
55°	1246.0
57.5°	1764.6
60°	2255.1
62.5°	2528.4
65°	2460.4
67.5°	2262.1
70°	2075.6
72.5°	1918.3
75°	1826.8
77.5°	1734.1
80°	1639.1
82.5°	1537.0
85°	1372.8
87.5°	1154.5
90°	882.3
92.5°	628.9
95°	437.6
97.5°	316.8
100°	242.9
102.5°	201.8
105°	180.7
107.5°	169.0
110°	165.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.8
115°	172.5
117.5°	170.1
120°	158.4
122.5°	140.8
125°	127.9
127.5°	118.5
130°	111.5
132.5°	104.4
135°	98.6
137.5°	91.5
140°	83.3
142.5°	76.3
145°	70.4
147.5°	63.4
150°	54.0
152.5°	46.9
155°	39.9
157.5°	34.0
160°	27.0
162.5°	21.1
165°	15.3
167.5°	10.6
170°	7.0
172.5°	3.5
175°	2.3
177.5°	3.5
180°	3.5

(END OF REPORT)