

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: P588526

Luminaire Tested: **ARC-CA6-80-730-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588526
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-CA6-80-730-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: 11086 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U4 - G5

Input Watts (W): 84.4
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



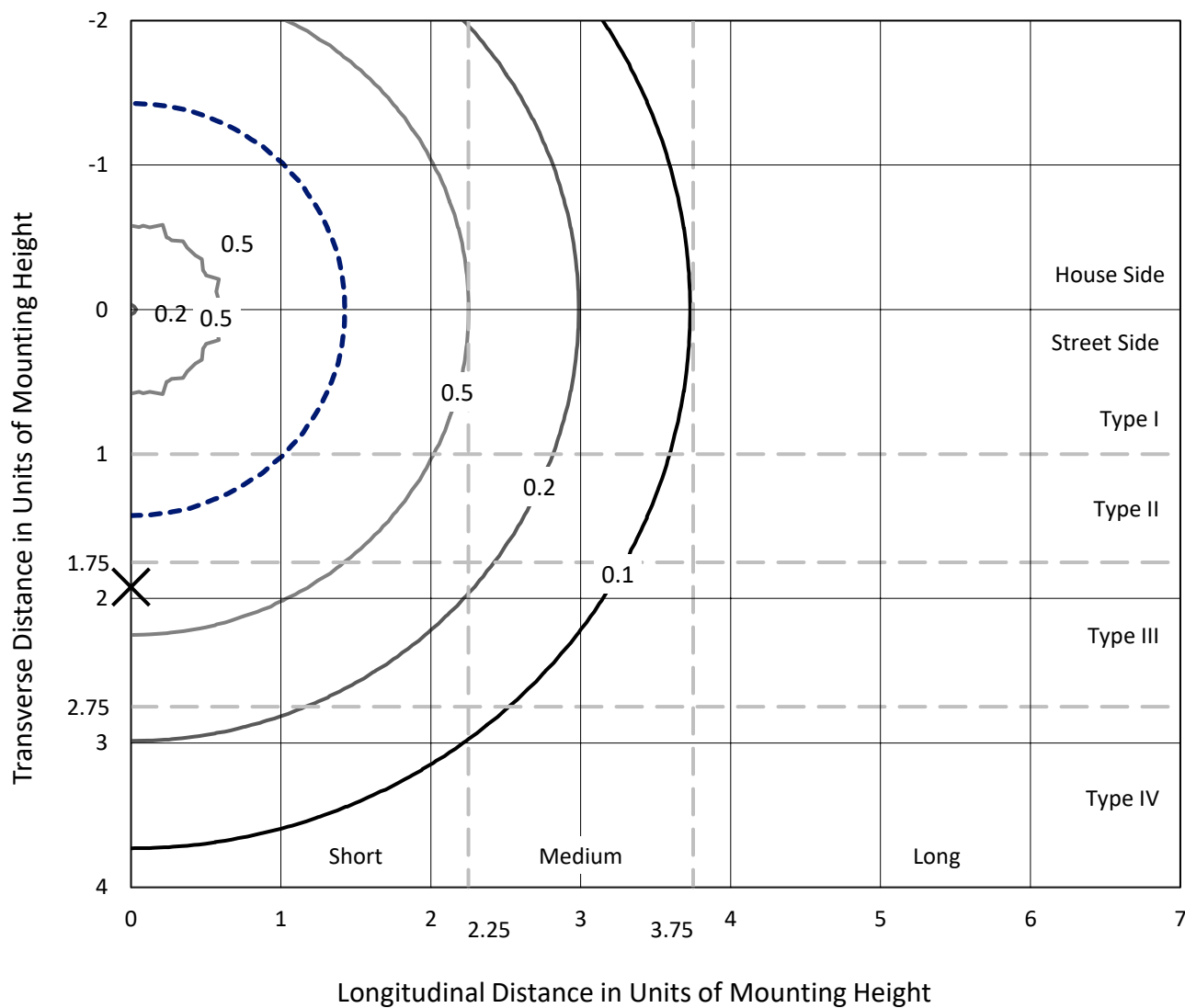
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

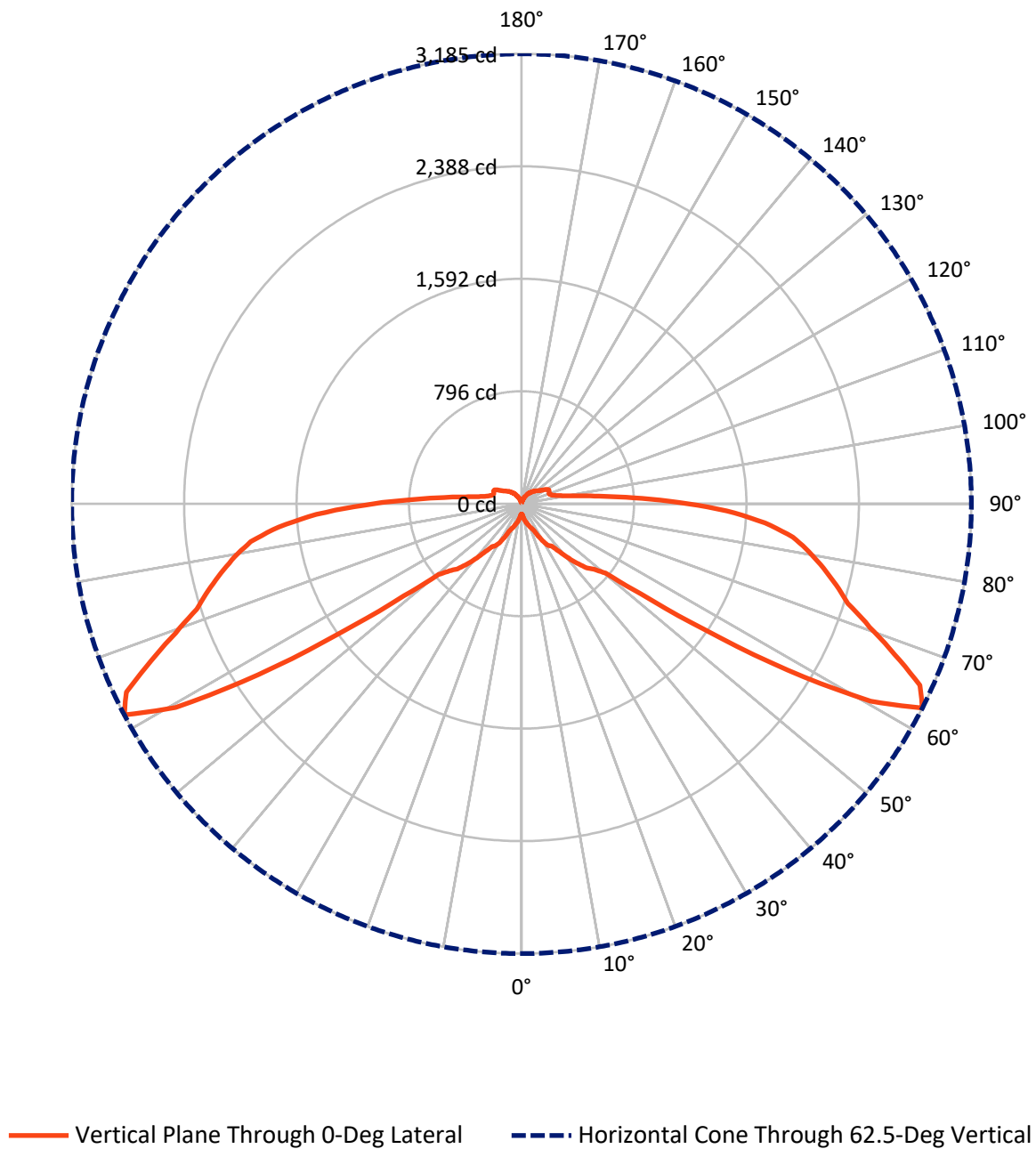


Based on 20 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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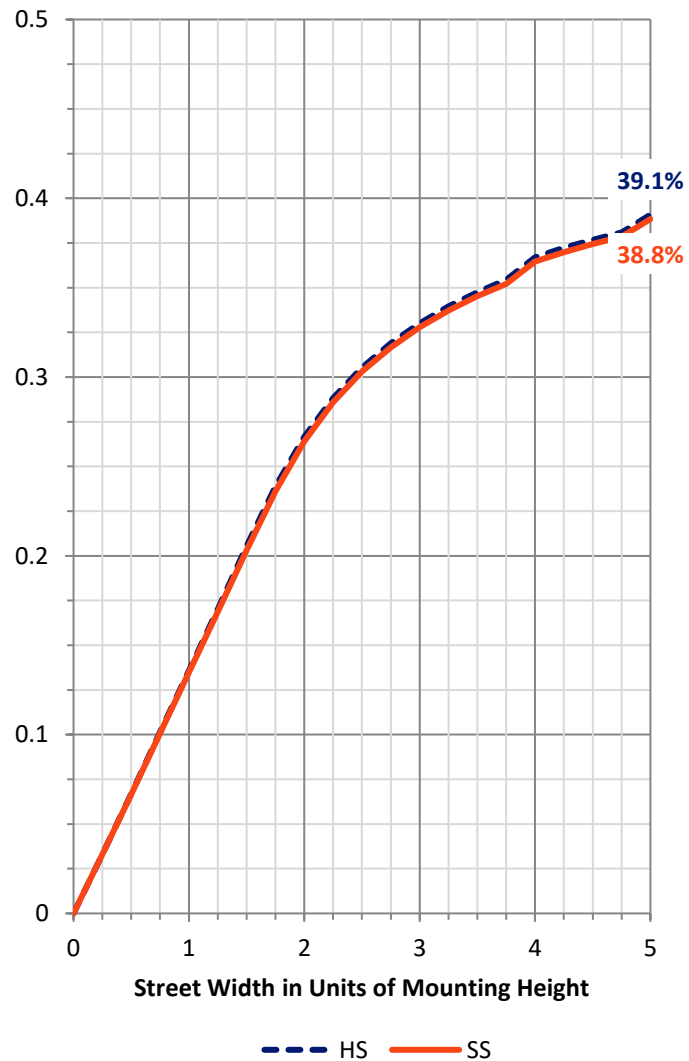
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4812.1	730.9	5543.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4812.1	730.9	5543.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	9624.3	1461.7	11086.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.1
10°-20°	42.0	0.4
20°-30°	109.2	1.0
30°-40°	245.7	2.2
40°-50°	496.3	4.5
50°-60°	1511.4	13.6
60°-70°	2940.5	26.5
70°-80°	2441.8	22.0
80°-90°	1828.2	16.5
90°-100°	669.5	6.0
100°-110°	252.1	2.3
110°-120°	210.1	1.9
120°-130°	148.0	1.3
130°-140°	95.9	0.9
140°-150°	55.6	0.5
150°-160°	24.0	0.2
160°-170°	6.1	0.1
170°-180°	0.5	0.0
0°-90°	9624.3	86.8
0°-180°	11086.0	100.0

Coefficient of Utilization



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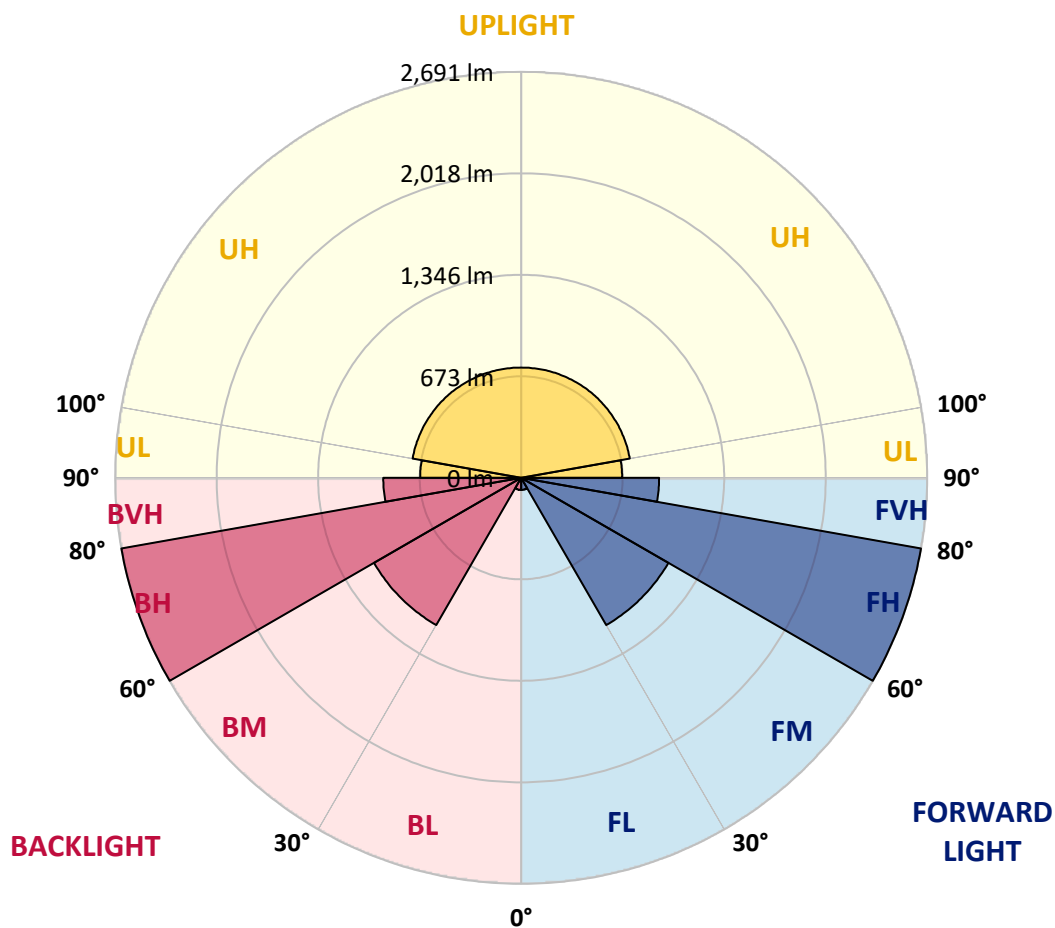
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.2	0.7			
FM	(30°-60°)	1126.7	10.2			
FH	(60°-80°)	2691.2	24.3			G2/5000
FVH	(80°-90°)	914.1	8.2			G5
BL	(0°-30°)	80.2	0.7	B0/110		
BM	(30°-60°)	1126.7	10.2	B2/2500		
BH	(60°-80°)	2691.2	24.3	B4/5000		G2/5000
BVH	(80°-90°)	914.1	8.2			G5
UL	(90°-100°)	669.5	6.0		U4/1000	
UH	(100°-180°)	730.9	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	73.9
2.5°	75.4
5°	84.2
7.5°	100.5
10°	115.3
12.5°	130.0
15°	144.8
17.5°	159.6
20°	177.3
22.5°	190.6
25°	218.7
27.5°	268.9
30°	319.2
32.5°	353.2
35°	368.0
37.5°	422.6
40°	496.5
42.5°	573.4
45°	647.3
47.5°	694.5
50°	771.4
52.5°	1058.1
55°	1569.4
57.5°	2222.5
60°	2840.2
62.5°	3184.5
65°	3098.8
67.5°	2849.1
70°	2614.1
72.5°	2416.1
75°	2300.8
77.5°	2184.1
80°	2064.4
82.5°	1935.8
85°	1729.0
87.5°	1454.1
90°	1111.3
92.5°	792.1
95°	551.2
97.5°	399.0
100°	305.9
102.5°	254.2
105°	227.6
107.5°	212.8
110°	208.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	211.3
115°	217.2
117.5°	214.3
120°	199.5
122.5°	177.3
125°	161.1
127.5°	149.3
130°	140.4
132.5°	131.5
135°	124.1
137.5°	115.3
140°	104.9
142.5°	96.1
145°	88.7
147.5°	79.8
150°	68.0
152.5°	59.1
155°	50.2
157.5°	42.9
160°	34.0
162.5°	26.6
165°	19.2
167.5°	13.3
170°	8.9
172.5°	4.4
175°	3.0
177.5°	4.4
180°	4.4

(END OF REPORT)