

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: P588498

Luminaire Tested: **ARC-CA6-70-727-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588498
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-CA6-70-727-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9410 lumens
Efficiency: N/A
Efficacy: 127.3 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



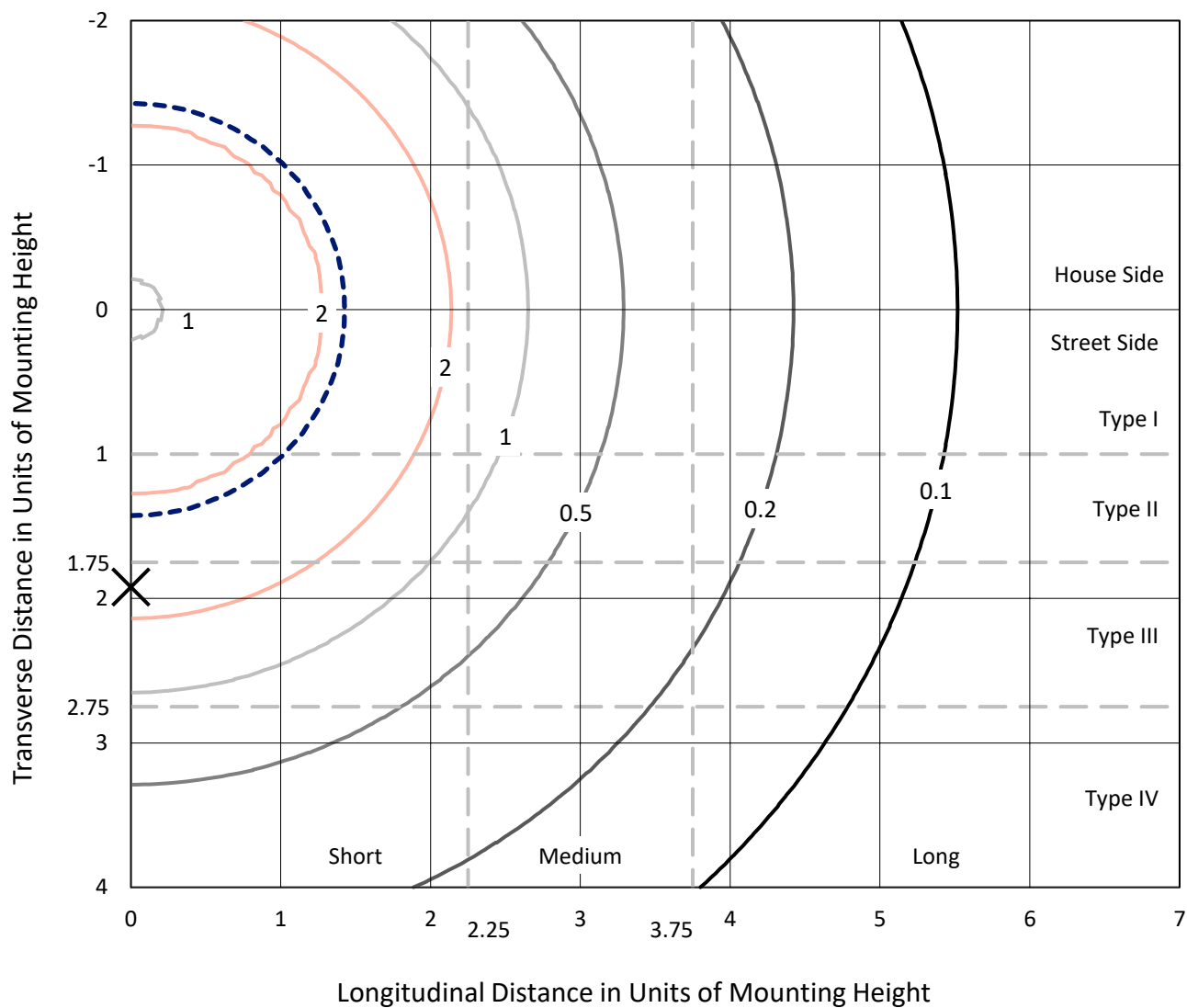
REPORT NUMBER: P588498

CATALOG NUMBER: ARC-CA6-70-727-U-55-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

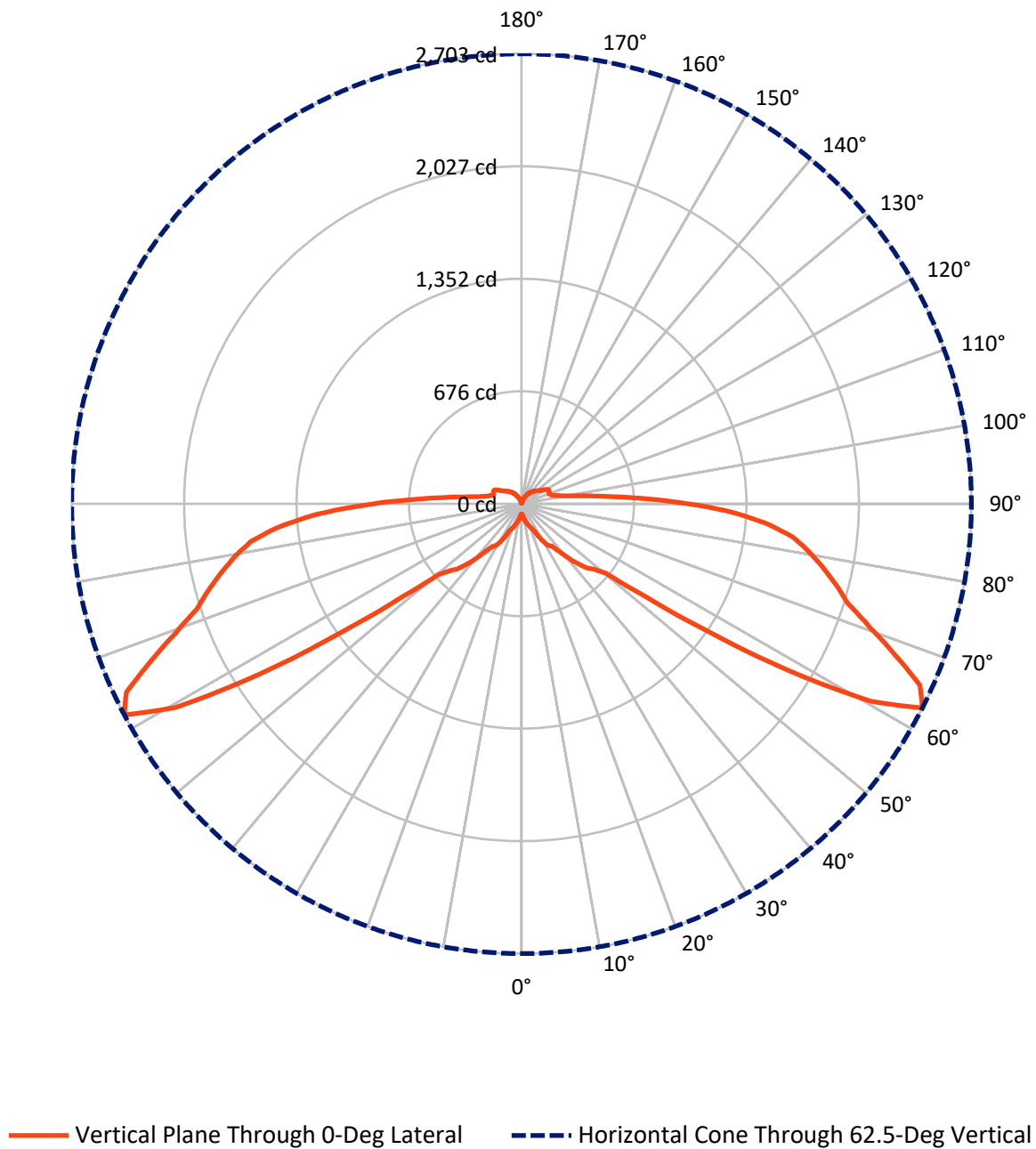


Based on 10 foot mounting height. Maximum calculated value = 3 fc
Type V - Short - Non-Cutoff

REPORT NUMBER: P588498

CATALOG NUMBER: ARC-CA6-70-727-U-55-X-5-X

Luminous Intensity Polar Plot



REPORT NUMBER: P588498

CATALOG NUMBER: ARC-CA6-70-727-U-55-X-5-X

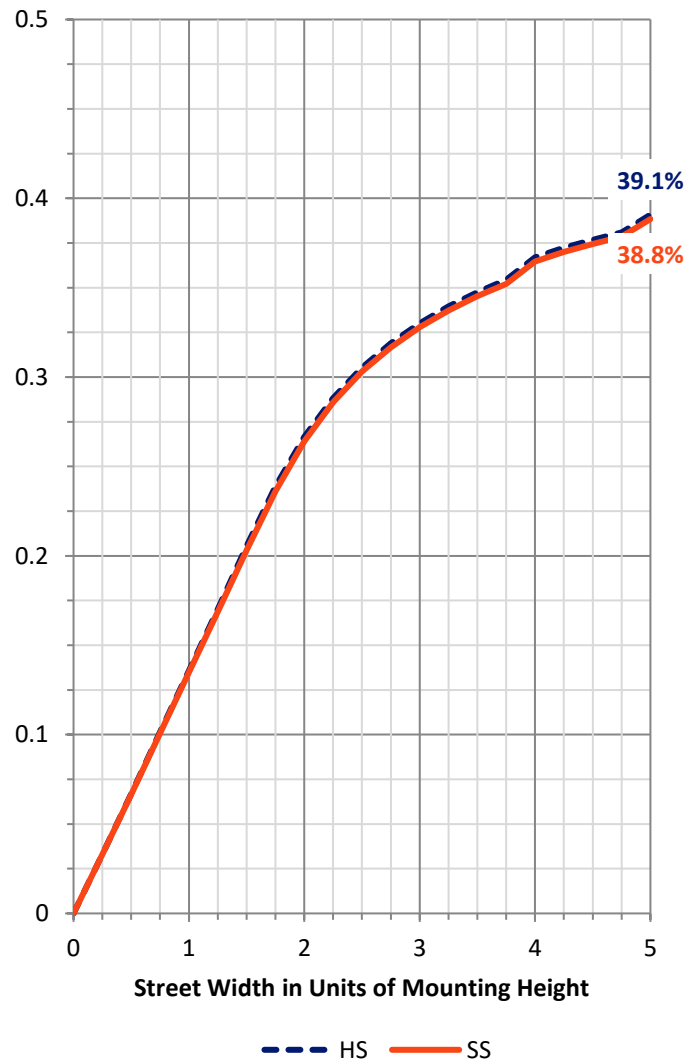
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4084.6	620.3	4705.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4084.6	620.3	4705.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	8169.3	1240.7	9410.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.1
10°-20°	35.7	0.4
20°-30°	92.7	1.0
30°-40°	208.5	2.2
40°-50°	421.3	4.5
50°-60°	1282.9	13.6
60°-70°	2496.0	26.5
70°-80°	2072.7	22.0
80°-90°	1551.8	16.5
90°-100°	568.3	6.0
100°-110°	213.9	2.3
110°-120°	178.4	1.9
120°-130°	125.6	1.3
130°-140°	81.4	0.9
140°-150°	47.2	0.5
150°-160°	20.3	0.2
160°-170°	5.2	0.1
170°-180°	0.4	0.0
0°-90°	8169.3	86.8
0°-180°	9410.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588498

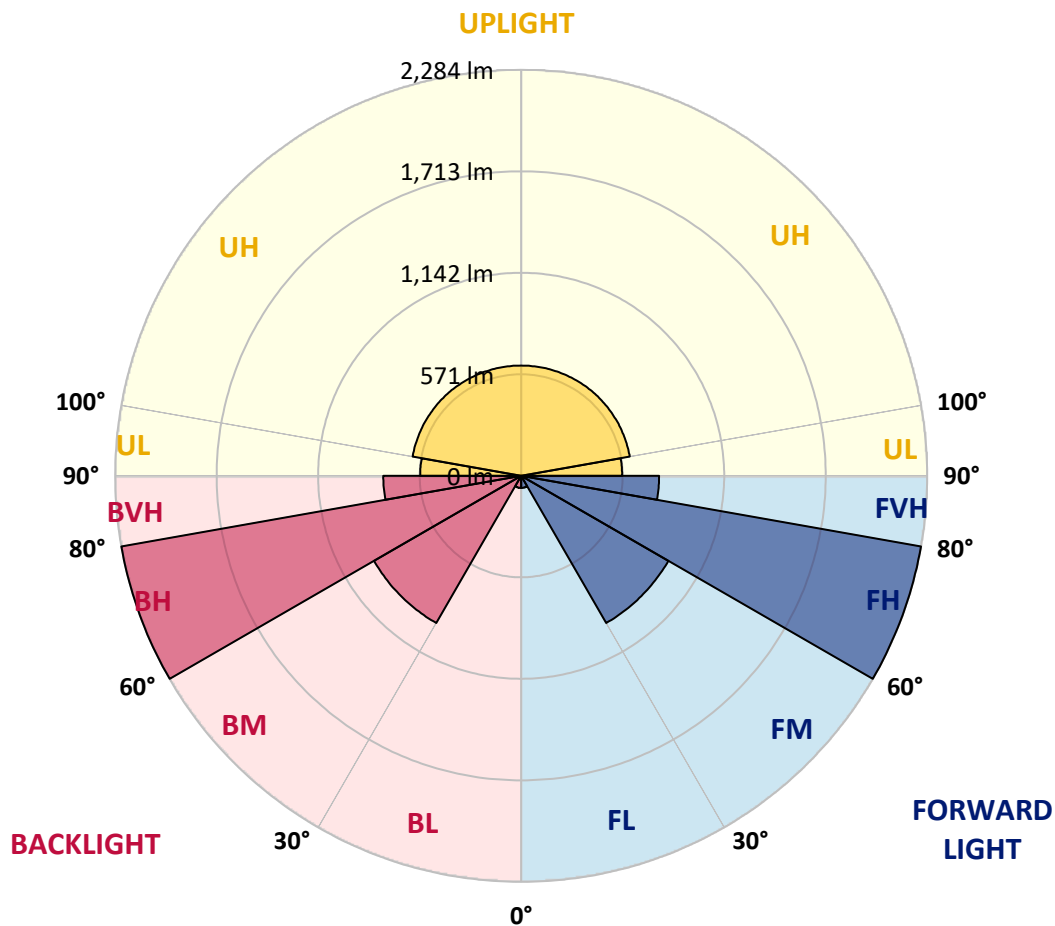
CATALOG NUMBER: ARC-CA6-70-727-U-55-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.1	0.7			
FM	(30°-60°)	956.3	10.2			
FH	(60°-80°)	2284.3	24.3			G2/5000
FVH	(80°-90°)	775.9	8.2			G5
BL	(0°-30°)	68.1	0.7	B0/110		
BM	(30°-60°)	956.3	10.2	B1/1000		
BH	(60°-80°)	2284.3	24.3	B3/2500		G2/5000
BVH	(80°-90°)	775.9	8.2			G5
UL	(90°-100°)	568.3	6.0		U4/1000	
UH	(100°-180°)	620.3	6.6		U4/1000	

BUG Rating: B3-U4-G5

Type V Short



REPORT NUMBER: P588498

CATALOG NUMBER: ARC-CA6-70-727-U-55-X-5-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	62.7
2.5°	64.0
5°	71.5
7.5°	85.3
10°	97.8
12.5°	110.4
15°	122.9
17.5°	135.5
20°	150.5
22.5°	161.8
25°	185.6
27.5°	228.3
30°	270.9
32.5°	299.8
35°	312.3
37.5°	358.7
40°	421.5
42.5°	486.7
45°	549.4
47.5°	589.5
50°	654.8
52.5°	898.1
55°	1332.1
57.5°	1886.5
60°	2410.8
62.5°	2703.1
65°	2630.3
67.5°	2418.4
70°	2218.9
72.5°	2050.8
75°	1953.0
77.5°	1853.9
80°	1752.3
82.5°	1643.2
85°	1467.6
87.5°	1234.3
90°	943.3
92.5°	672.3
95°	467.9
97.5°	338.7
100°	259.6
102.5°	215.7
105°	193.2
107.5°	180.6
110°	176.9

REPORT NUMBER: P588498

CATALOG NUMBER: ARC-CA6-70-727-U-55-X-5-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	179.4
115°	184.4
117.5°	181.9
120°	169.3
122.5°	150.5
125°	136.7
127.5°	126.7
130°	119.2
132.5°	111.6
135°	105.4
137.5°	97.8
140°	89.1
142.5°	81.5
145°	75.3
147.5°	67.7
150°	57.7
152.5°	50.2
155°	42.6
157.5°	36.4
160°	28.8
162.5°	22.6
165°	16.3
167.5°	11.3
170°	7.5
172.5°	3.8
175°	2.5
177.5°	3.8
180°	3.8

(END OF REPORT)