

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: P588494

Luminaire Tested: **ARC-CA6-70-722-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588494
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-CA6-70-722-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8485 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U4 - G4

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



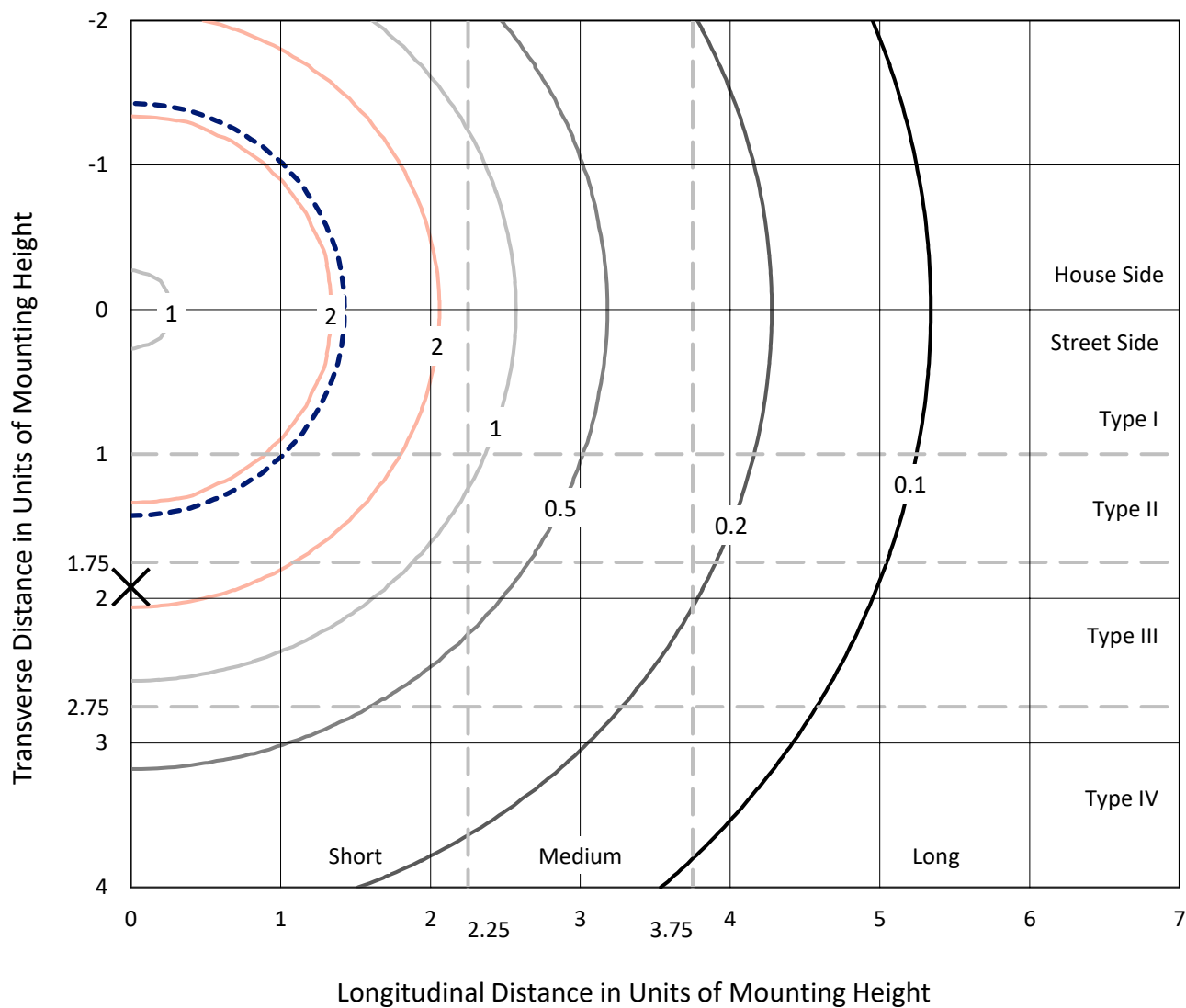
REPORT NUMBER: P588494

CATALOG NUMBER: ARC-CA6-70-722-U-55-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

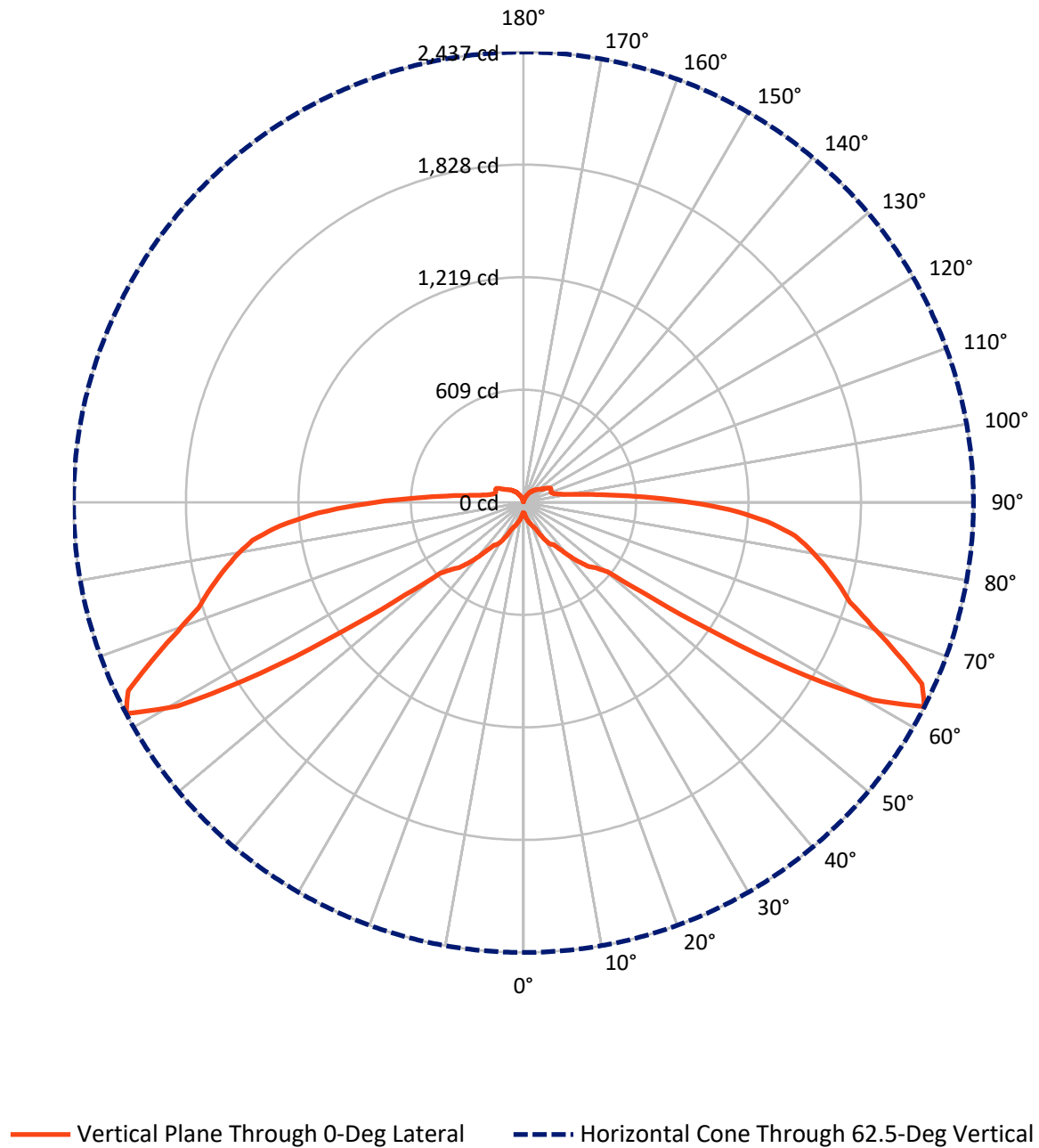


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588494

CATALOG NUMBER: ARC-CA6-70-722-U-55-X-5-X

Luminous Intensity Polar Plot



REPORT NUMBER: P588494

CATALOG NUMBER: ARC-CA6-70-722-U-55-X-5-X

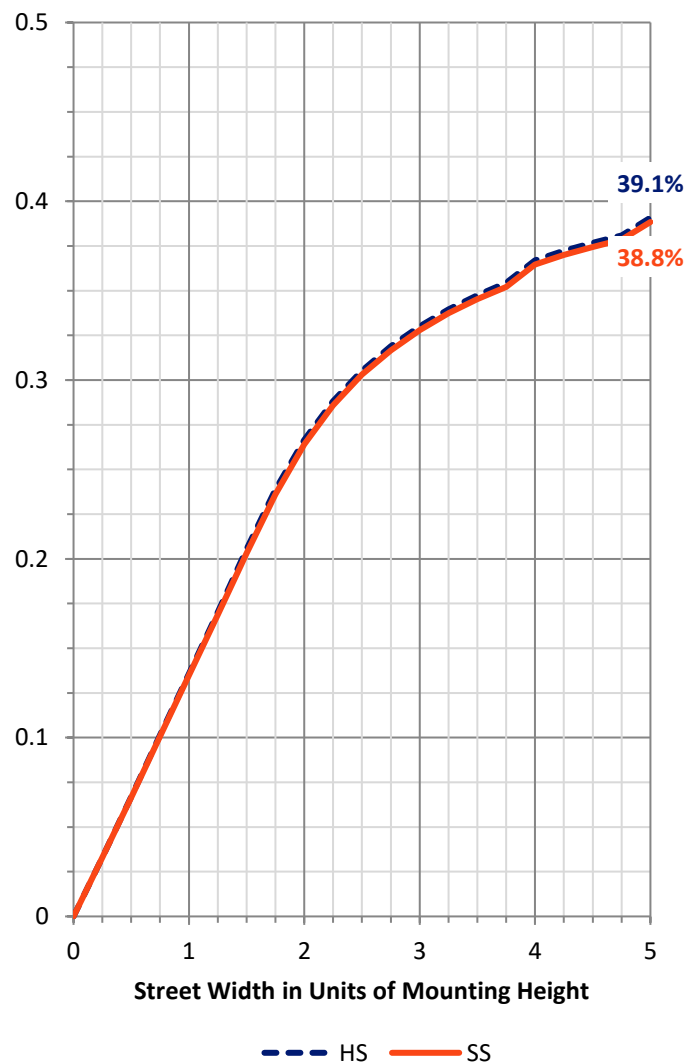
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3683.1	559.4	4242.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3683.1	559.4	4242.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	7366.3	1118.7	8485.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	32.2	0.4
20°-30°	83.6	1.0
30°-40°	188.0	2.2
40°-50°	379.9	4.5
50°-60°	1156.8	13.6
60°-70°	2250.6	26.5
70°-80°	1868.9	22.0
80°-90°	1399.2	16.5
90°-100°	512.4	6.0
100°-110°	192.9	2.3
110°-120°	160.8	1.9
120°-130°	113.3	1.3
130°-140°	73.4	0.9
140°-150°	42.5	0.5
150°-160°	18.3	0.2
160°-170°	4.7	0.1
170°-180°	0.4	0.0
0°-90°	7366.3	86.8
0°-180°	8485.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588494

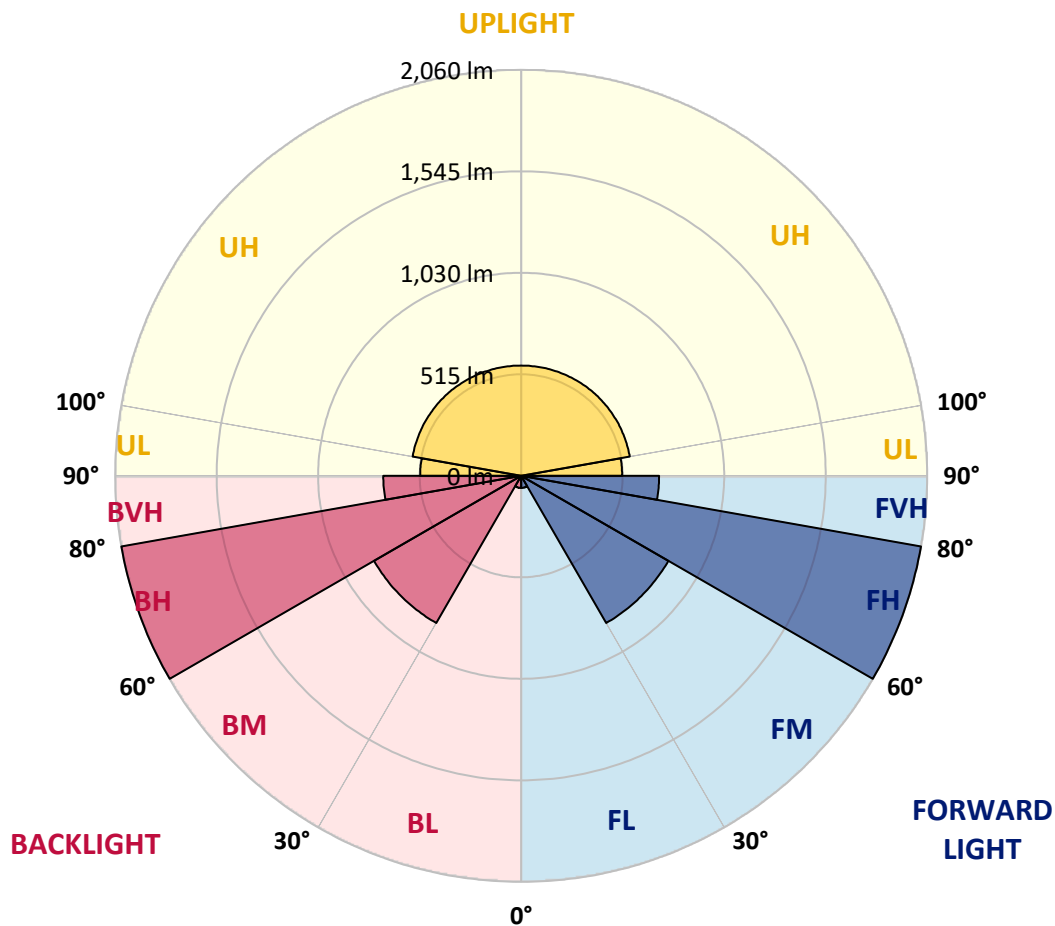
CATALOG NUMBER: ARC-CA6-70-722-U-55-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.4	0.7			
FM	(30°-60°)	862.3	10.2			
FH	(60°-80°)	2059.8	24.3			G2/5000
FVH	(80°-90°)	699.6	8.2			G4/750
BL	(0°-30°)	61.4	0.7	B0/110		
BM	(30°-60°)	862.3	10.2	B1/1000		
BH	(60°-80°)	2059.8	24.3	B3/2500		G2/5000
BVH	(80°-90°)	699.6	8.2			G4/750
UL	(90°-100°)	512.4	6.0		U4/1000	
UH	(100°-180°)	559.4	6.6		U4/1000	

BUG Rating: B3-U4-G4

Type V Short



REPORT NUMBER: P588494

CATALOG NUMBER: ARC-CA6-70-722-U-55-X-5-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	56.6
2.5°	57.7
5°	64.5
7.5°	76.9
10°	88.2
12.5°	99.5
15°	110.8
17.5°	122.2
20°	135.7
22.5°	145.9
25°	167.4
27.5°	205.8
30°	244.3
32.5°	270.3
35°	281.6
37.5°	323.5
40°	380.0
42.5°	438.8
45°	495.4
47.5°	531.6
50°	590.4
52.5°	809.8
55°	1201.2
57.5°	1701.1
60°	2173.9
62.5°	2437.4
65°	2371.8
67.5°	2180.6
70°	2000.8
72.5°	1849.2
75°	1761.0
77.5°	1671.7
80°	1580.1
82.5°	1481.7
85°	1323.3
87.5°	1112.9
90°	850.5
92.5°	606.2
95°	421.9
97.5°	305.4
100°	234.1
102.5°	194.5
105°	174.2
107.5°	162.9
110°	159.5

REPORT NUMBER: P588494

CATALOG NUMBER: ARC-CA6-70-722-U-55-X-5-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.7
115°	166.3
117.5°	164.0
120°	152.7
122.5°	135.7
125°	123.3
127.5°	114.2
130°	107.4
132.5°	100.7
135°	95.0
137.5°	88.2
140°	80.3
142.5°	73.5
145°	67.9
147.5°	61.1
150°	52.0
152.5°	45.2
155°	38.5
157.5°	32.8
160°	26.0
162.5°	20.4
165°	14.7
167.5°	10.2
170°	6.8
172.5°	3.4
175°	2.3
177.5°	3.4
180°	3.4

(END OF REPORT)