

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: P588446

Luminaire Tested: **ARC-CA6-50-722-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588446
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-CA6-50-722-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: 6325 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G4

Input Watts (W): 54
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

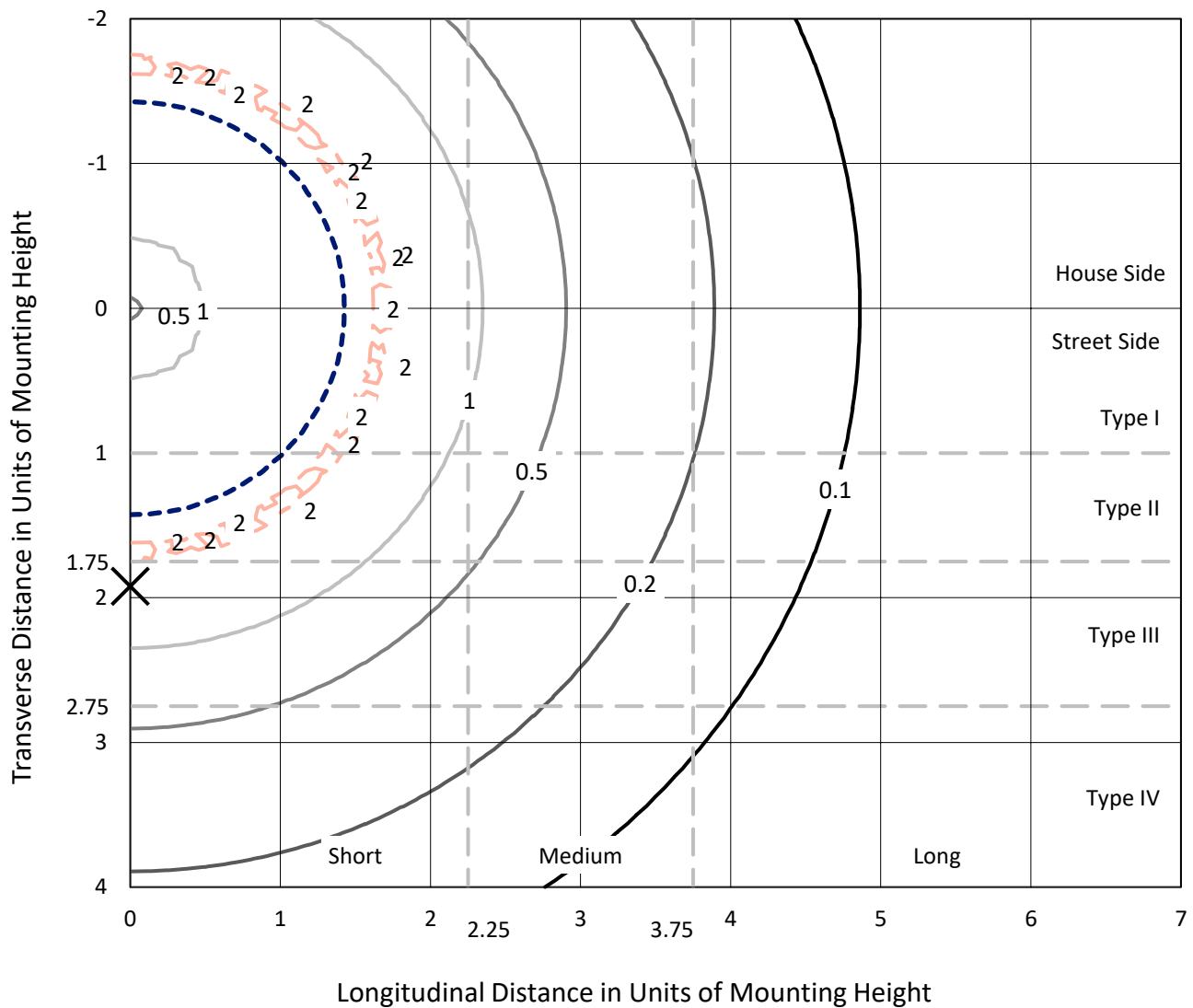


REPORT NUMBER: P588446

CATALOG NUMBER: ARC-CA6-50-722-U-55-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

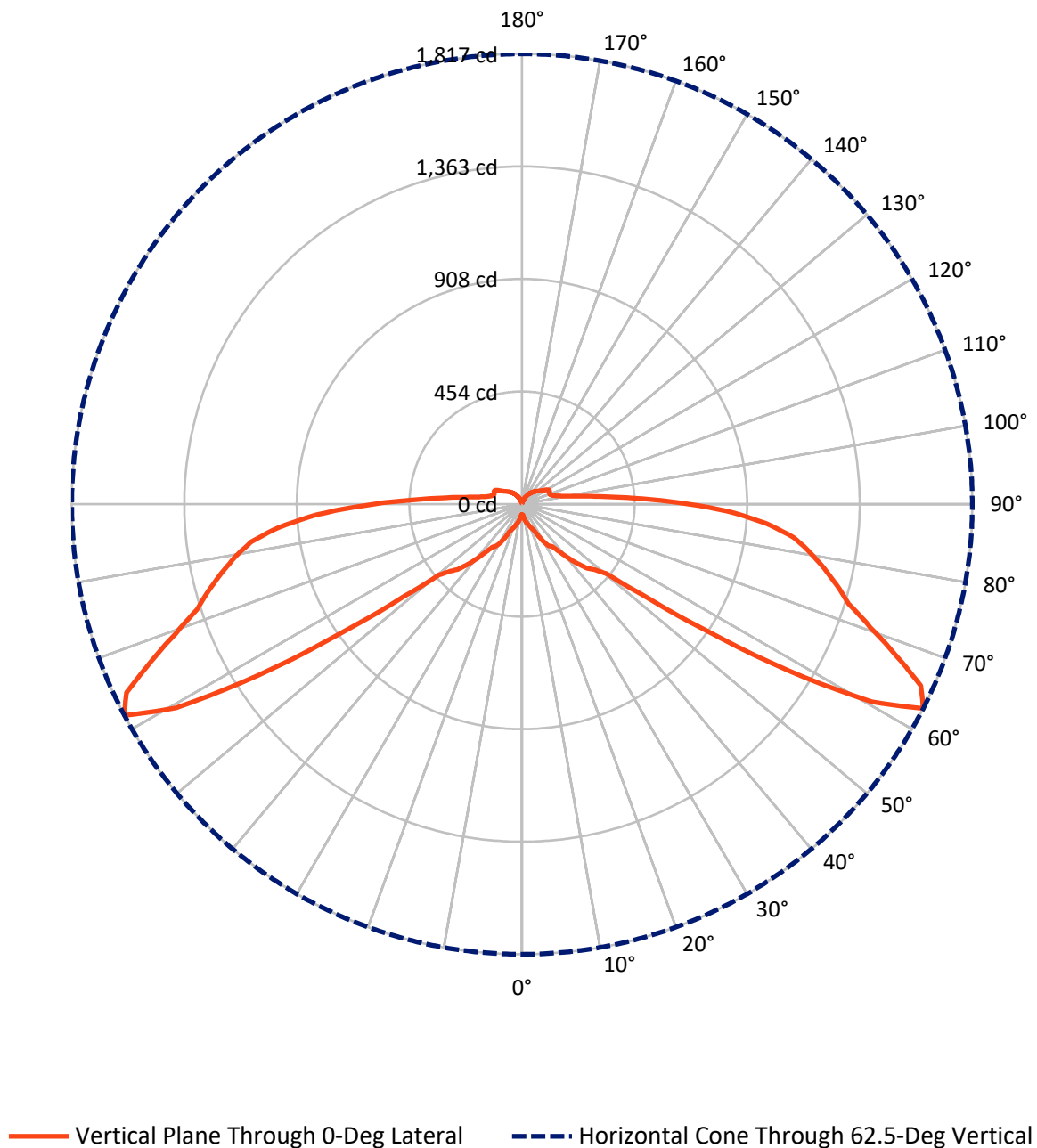


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588446

CATALOG NUMBER: ARC-CA6-50-722-U-55-X-5-X

Luminous Intensity Polar Plot



REPORT NUMBER: P588446

CATALOG NUMBER: ARC-CA6-50-722-U-55-X-5-X

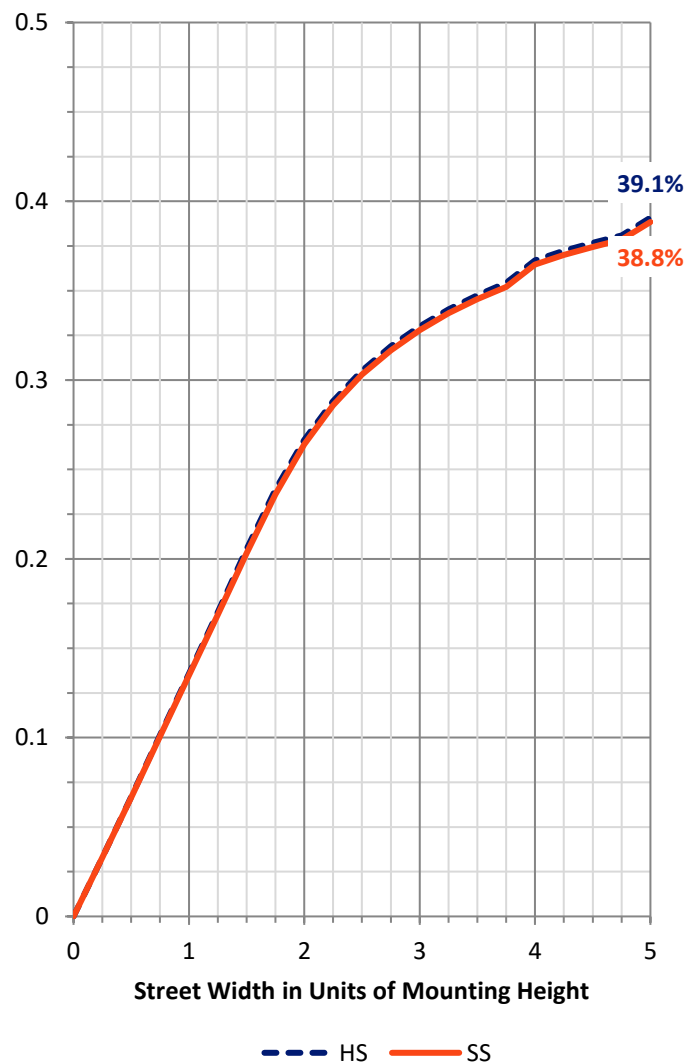
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2745.5	417.0	3162.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	2745.5	417.0	3162.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	5491.0	834.0	6325.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	24.0	0.4
20°-30°	62.3	1.0
30°-40°	140.1	2.2
40°-50°	283.2	4.5
50°-60°	862.3	13.6
60°-70°	1677.7	26.5
70°-80°	1393.2	22.0
80°-90°	1043.0	16.5
90°-100°	382.0	6.0
100°-110°	143.8	2.3
110°-120°	119.9	1.9
120°-130°	84.4	1.3
130°-140°	54.7	0.9
140°-150°	31.7	0.5
150°-160°	13.7	0.2
160°-170°	3.5	0.1
170°-180°	0.3	0.0
0°-90°	5491.0	86.8
0°-180°	6325.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588446

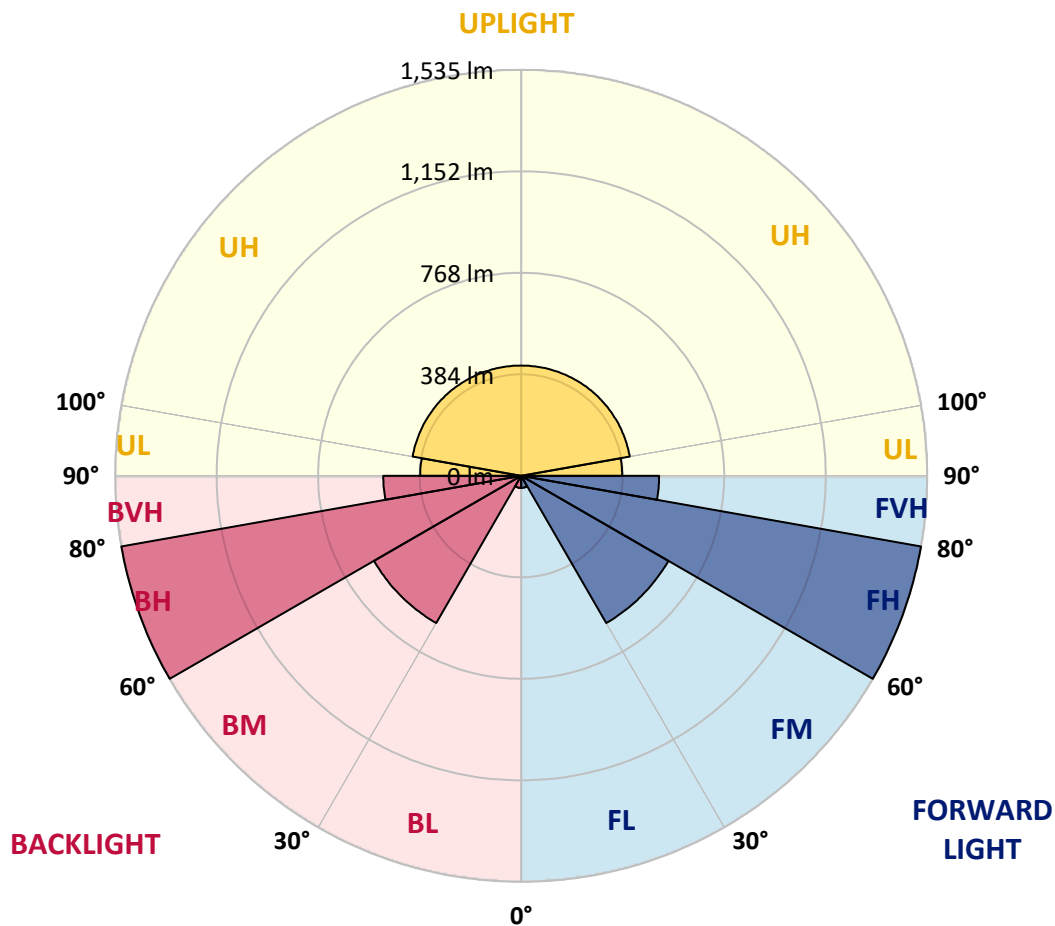
CATALOG NUMBER: ARC-CA6-50-722-U-55-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	45.8	0.7			
FM	(30°-60°)	642.8	10.2			
FH	(60°-80°)	1535.4	24.3			G1/1800
FVH	(80°-90°)	521.5	8.2			G4/750
BL	(0°-30°)	45.8	0.7	B0/110		
BM	(30°-60°)	642.8	10.2	B1/1000		
BH	(60°-80°)	1535.4	24.3	B3/2500		G1/1800
BVH	(80°-90°)	521.5	8.2			G4/750
UL	(90°-100°)	382.0	6.0		U3/500	
UH	(100°-180°)	417.0	6.6		U3/500	

BUG Rating: B3-U3-G4

Type V Short



REPORT NUMBER: P588446

CATALOG NUMBER: ARC-CA6-50-722-U-55-X-5-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	42.2
2.5°	43.0
5°	48.1
7.5°	57.3
10°	65.8
12.5°	74.2
15°	82.6
17.5°	91.1
20°	101.2
22.5°	108.8
25°	124.8
27.5°	153.4
30°	182.1
32.5°	201.5
35°	209.9
37.5°	241.1
40°	283.3
42.5°	327.1
45°	369.3
47.5°	396.3
50°	440.1
52.5°	603.7
55°	895.4
57.5°	1268.0
60°	1620.5
62.5°	1816.9
65°	1768.0
67.5°	1625.5
70°	1491.5
72.5°	1378.5
75°	1312.7
77.5°	1246.1
80°	1177.8
82.5°	1104.5
85°	986.4
87.5°	829.6
90°	634.0
92.5°	451.9
95°	314.5
97.5°	227.6
100°	174.5
102.5°	145.0
105°	129.8
107.5°	121.4
110°	118.9

REPORT NUMBER: P588446

CATALOG NUMBER: ARC-CA6-50-722-U-55-X-5-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.6
115°	123.9
117.5°	122.3
120°	113.8
122.5°	101.2
125°	91.9
127.5°	85.2
130°	80.1
132.5°	75.0
135°	70.8
137.5°	65.8
140°	59.9
142.5°	54.8
145°	50.6
147.5°	45.5
150°	38.8
152.5°	33.7
155°	28.7
157.5°	24.5
160°	19.4
162.5°	15.2
165°	11.0
167.5°	7.6
170°	5.1
172.5°	2.5
175°	1.7
177.5°	2.5
180°	2.5

(END OF REPORT)