

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: P588562

Luminaire Tested: **ARC-CA6-90-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588562
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-CA6-90-760-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12498 lumens
Efficiency: N/A
Efficacy: 133.1 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): 93.9
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



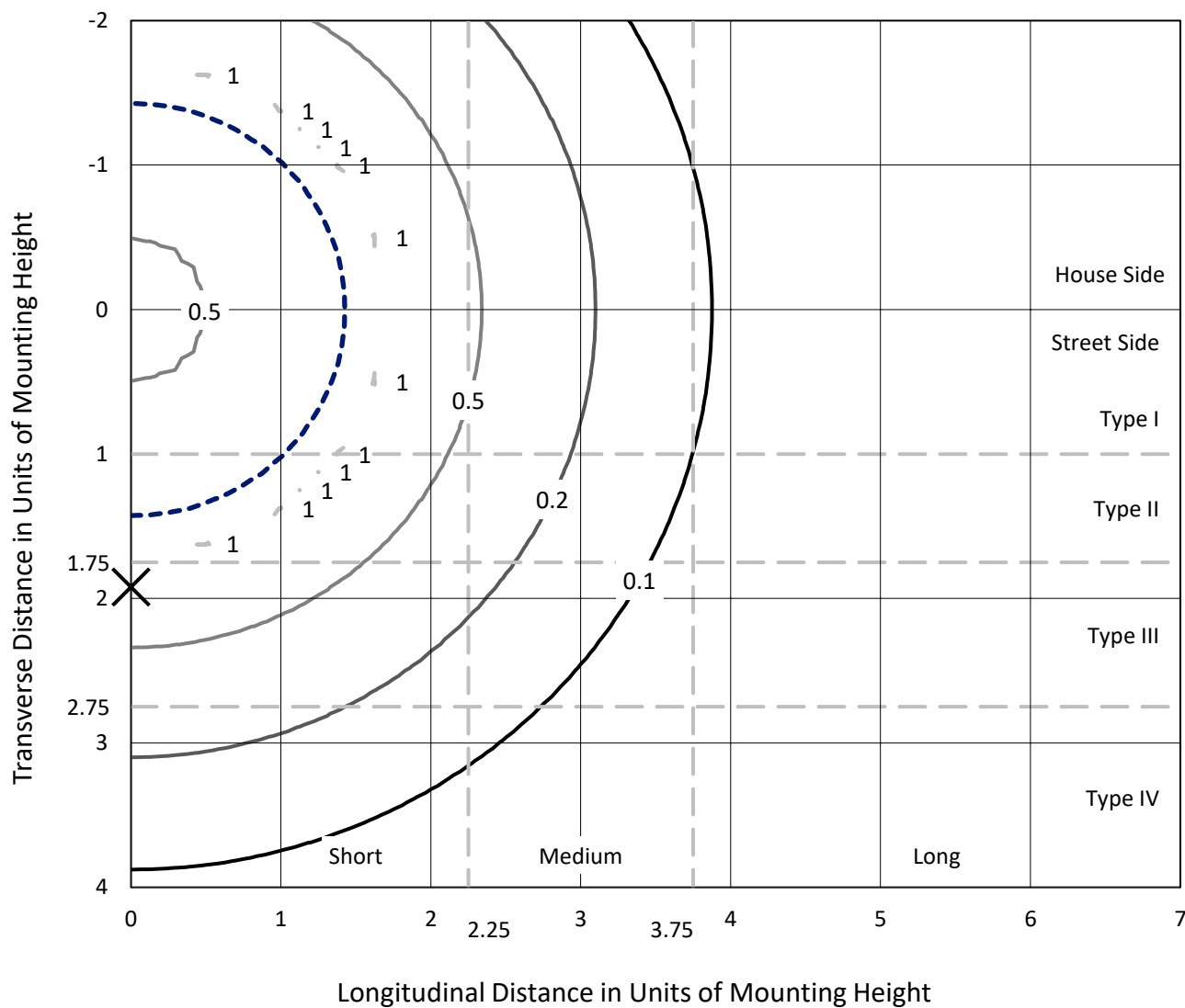
REPORT NUMBER: P588562

CATALOG NUMBER: ARC-CA6-90-760-U-55-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

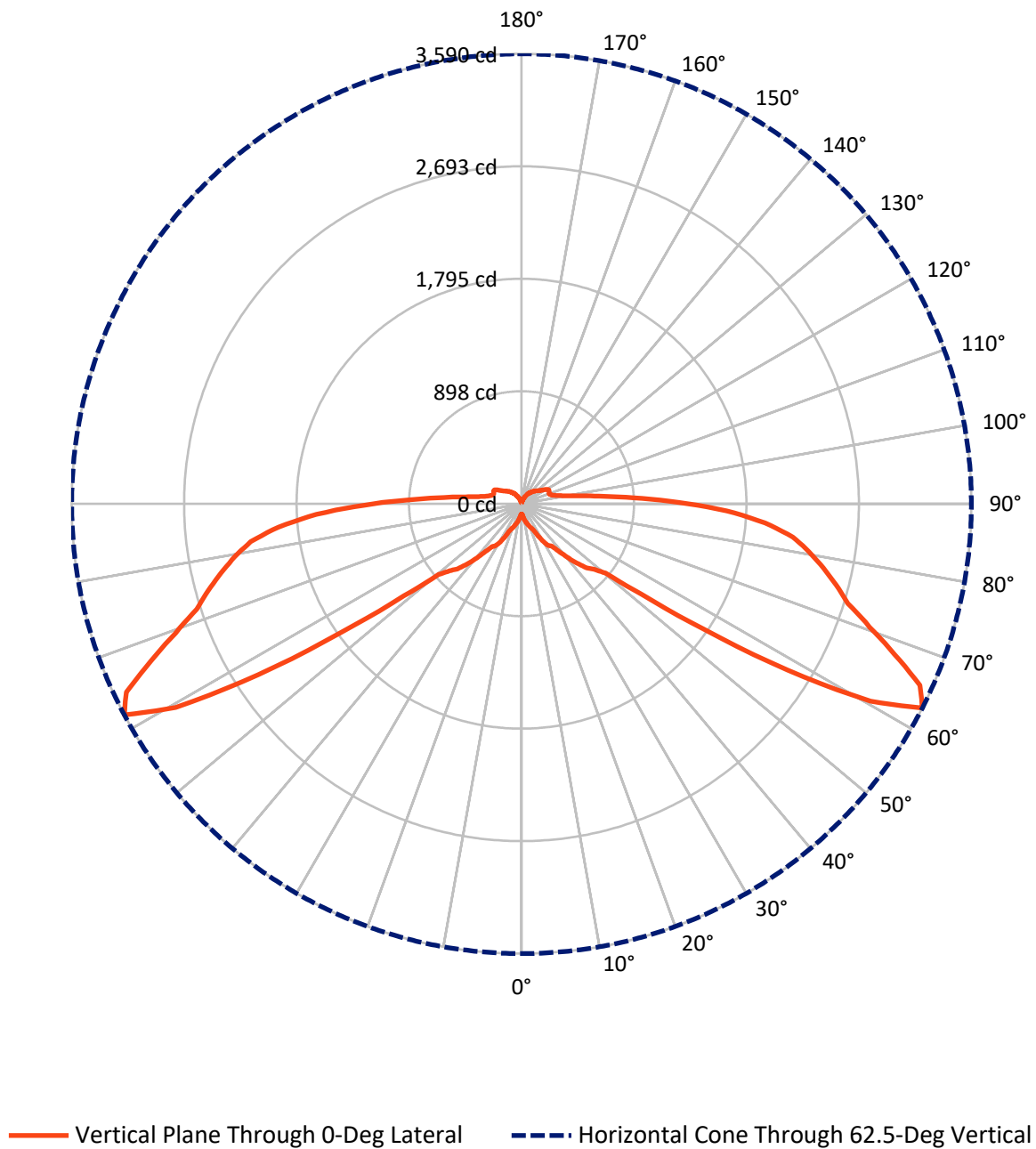


Based on 20 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588562

CATALOG NUMBER: ARC-CA6-90-760-U-55-X-5-X

Luminous Intensity Polar Plot



REPORT NUMBER: P588562

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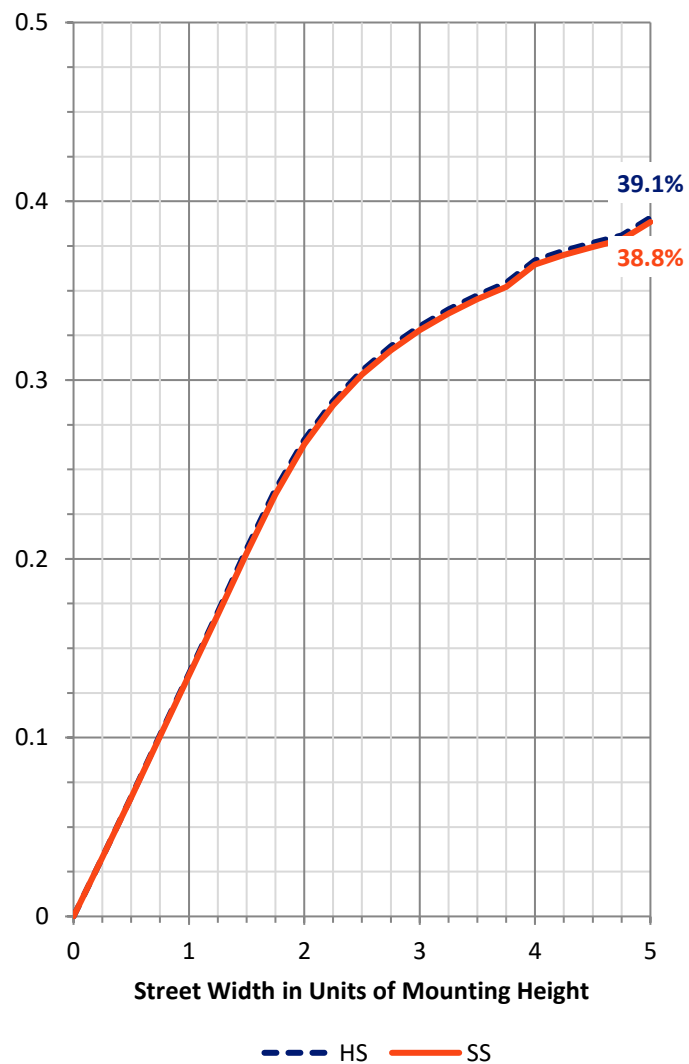
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5425.1	823.9	6249.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5425.1	823.9	6249.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	10850.1	1647.9	12498.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	47.4	0.4
20°-30°	123.1	1.0
30°-40°	277.0	2.2
40°-50°	559.5	4.5
50°-60°	1703.9	13.6
60°-70°	3315.1	26.5
70°-80°	2752.9	22.0
80°-90°	2061.0	16.5
90°-100°	754.8	6.0
100°-110°	284.1	2.3
110°-120°	236.9	1.9
120°-130°	166.8	1.3
130°-140°	108.1	0.9
140°-150°	62.6	0.5
150°-160°	27.0	0.2
160°-170°	6.9	0.1
170°-180°	0.5	0.0
0°-90°	10850.1	86.8
0°-180°	12498.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588562

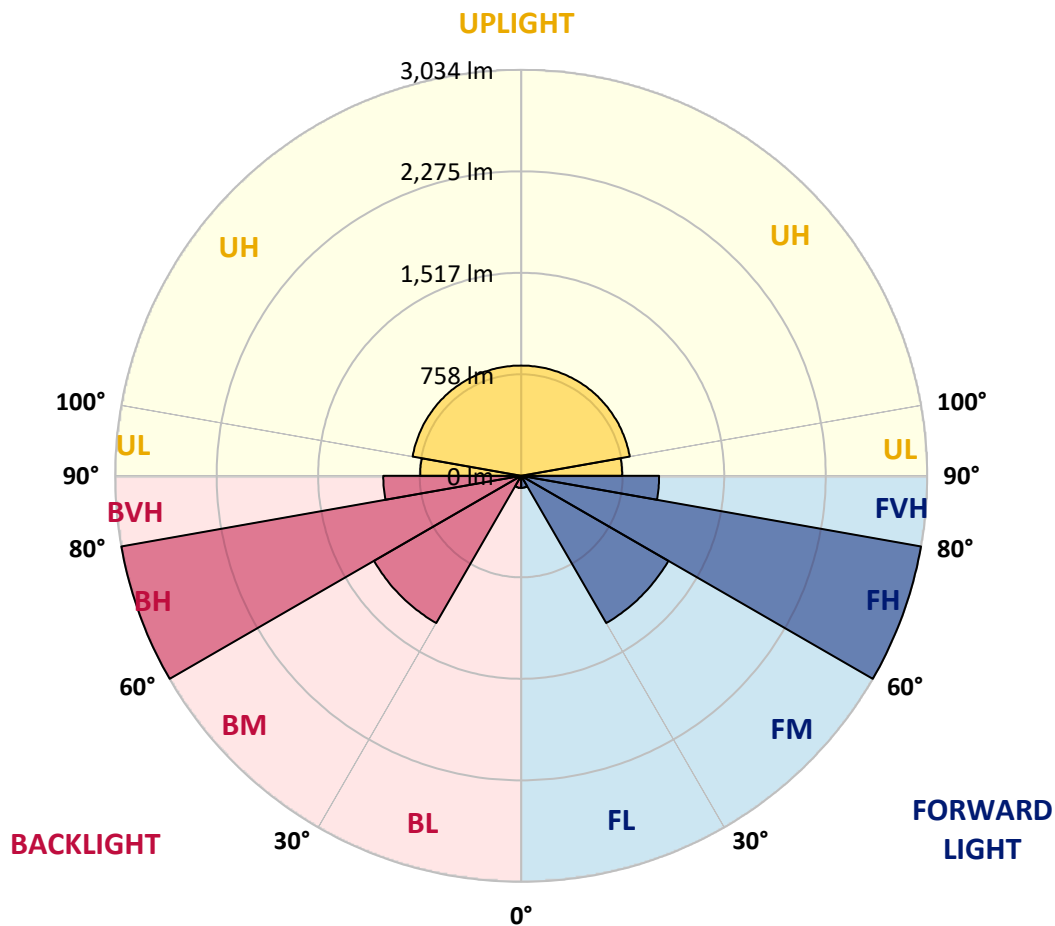
CATALOG NUMBER: ARC-CA6-90-760-U-55-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.4	0.7			
FM	(30°-60°)	1270.2	10.2			
FH	(60°-80°)	3034.0	24.3			G2/5000
FVH	(80°-90°)	1030.5	8.2			G5
BL	(0°-30°)	90.4	0.7	B0/110		
BM	(30°-60°)	1270.2	10.2	B2/2500		
BH	(60°-80°)	3034.0	24.3	B4/5000		G2/5000
BVH	(80°-90°)	1030.5	8.2			G5
UL	(90°-100°)	754.8	6.0		U4/1000	
UH	(100°-180°)	823.9	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



REPORT NUMBER: P588562

CATALOG NUMBER: ARC-CA6-90-760-U-55-X-5-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	83.3
2.5°	85.0
5°	95.0
7.5°	113.3
10°	129.9
12.5°	146.6
15°	163.3
17.5°	179.9
20°	199.9
22.5°	214.9
25°	246.6
27.5°	303.2
30°	359.8
32.5°	398.2
35°	414.8
37.5°	476.5
40°	559.8
42.5°	646.4
45°	729.7
47.5°	783.0
50°	869.6
52.5°	1192.8
55°	1769.3
57.5°	2505.6
60°	3202.0
62.5°	3590.1
65°	3493.5
67.5°	3212.0
70°	2947.1
72.5°	2723.8
75°	2593.9
77.5°	2462.3
80°	2327.3
82.5°	2182.4
85°	1949.2
87.5°	1639.3
90°	1252.8
92.5°	893.0
95°	621.4
97.5°	449.8
100°	344.9
102.5°	286.5
105°	256.6
107.5°	239.9
110°	234.9

REPORT NUMBER: P588562

CATALOG NUMBER: ARC-CA6-90-760-U-55-X-5-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	238.2
115°	244.9
117.5°	241.6
120°	224.9
122.5°	199.9
125°	181.6
127.5°	168.3
130°	158.3
132.5°	148.3
135°	139.9
137.5°	129.9
140°	118.3
142.5°	108.3
145°	100.0
147.5°	90.0
150°	76.6
152.5°	66.6
155°	56.6
157.5°	48.3
160°	38.3
162.5°	30.0
165°	21.7
167.5°	15.0
170°	10.0
172.5°	5.0
175°	3.3
177.5°	5.0
180°	5.0

(END OF REPORT)