

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: P588490

Luminaire Tested: **ARC-CA6-60-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588490
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-CA6-60-760-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: 8774 lumens
Efficiency: N/A
Efficacy: 136.5 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): 64.3
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



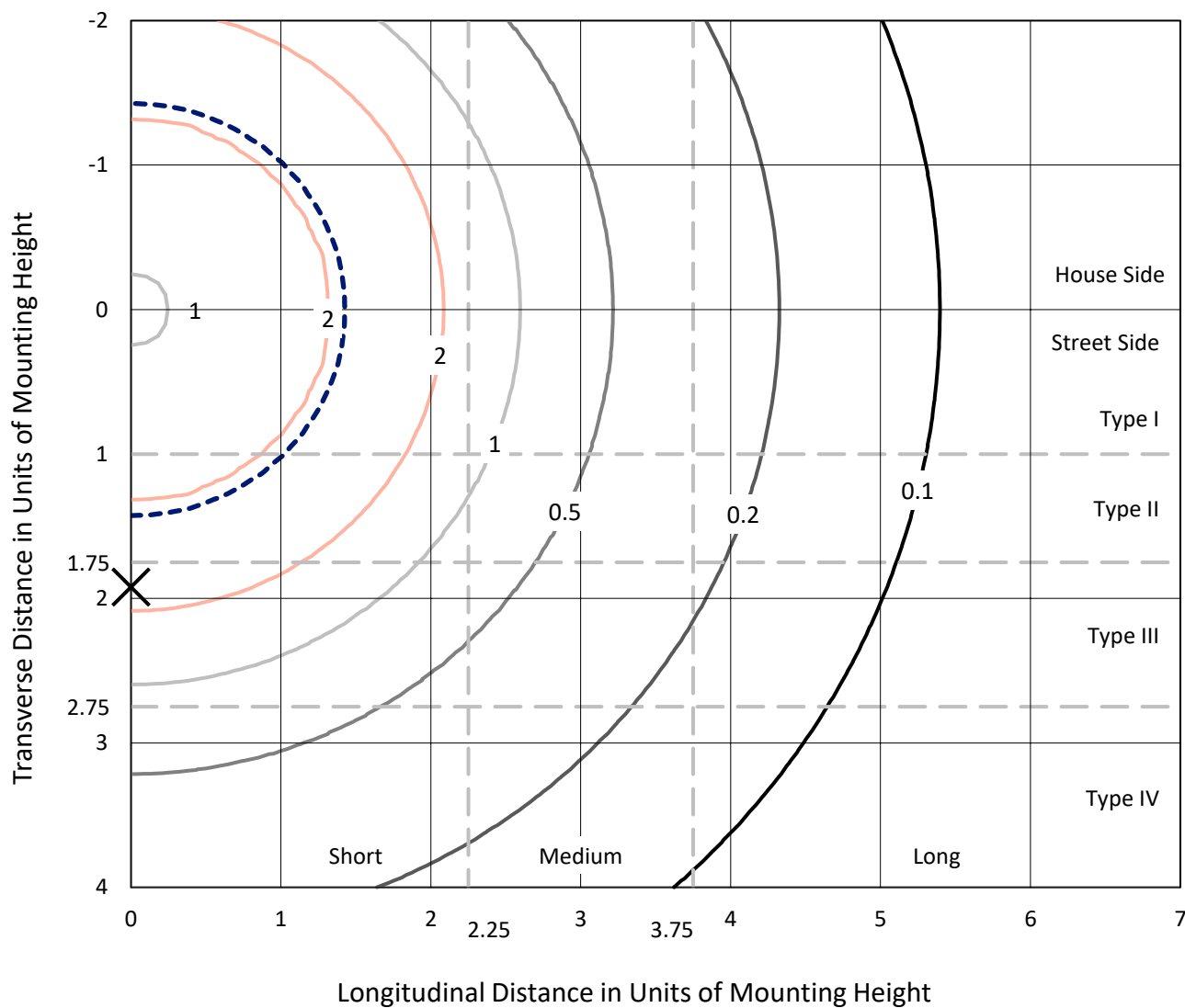
REPORT NUMBER: P588490

CATALOG NUMBER: ARC-CA6-60-760-U-55-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

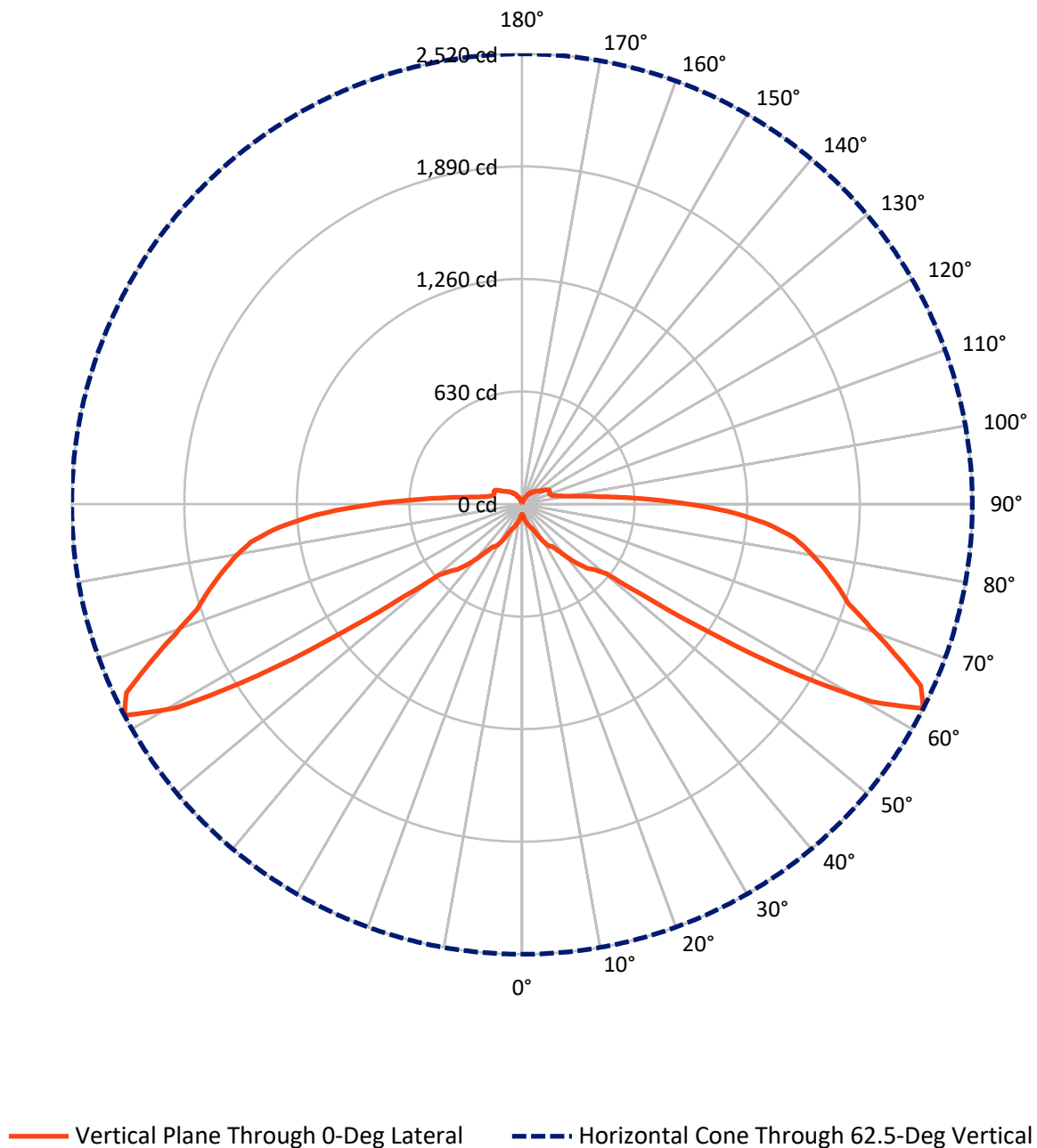


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588490

CATALOG NUMBER: ARC-CA6-60-760-U-55-X-5-X

Luminous Intensity Polar Plot



REPORT NUMBER: P588490

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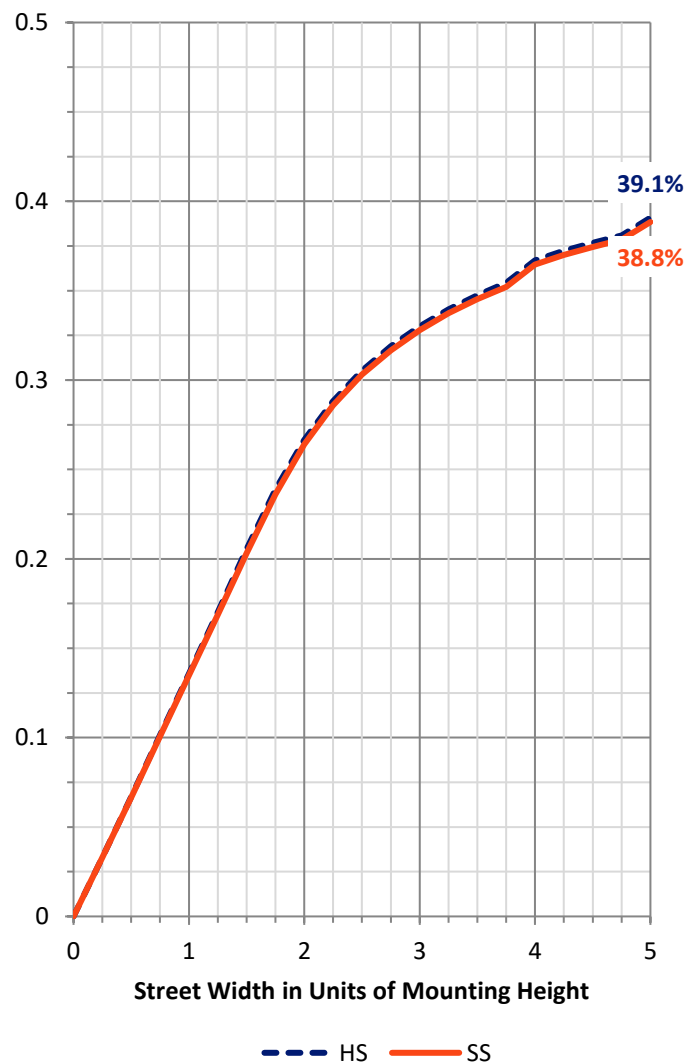
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3808.6	578.4	4387.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3808.6	578.4	4387.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	7617.2	1156.8	8774.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	33.3	0.4
20°-30°	86.4	1.0
30°-40°	194.4	2.2
40°-50°	392.8	4.5
50°-60°	1196.2	13.6
60°-70°	2327.3	26.5
70°-80°	1932.6	22.0
80°-90°	1446.9	16.5
90°-100°	529.9	6.0
100°-110°	199.5	2.3
110°-120°	166.3	1.9
120°-130°	117.1	1.3
130°-140°	75.9	0.9
140°-150°	44.0	0.5
150°-160°	19.0	0.2
160°-170°	4.8	0.1
170°-180°	0.4	0.0
0°-90°	7617.2	86.8
0°-180°	8774.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588490

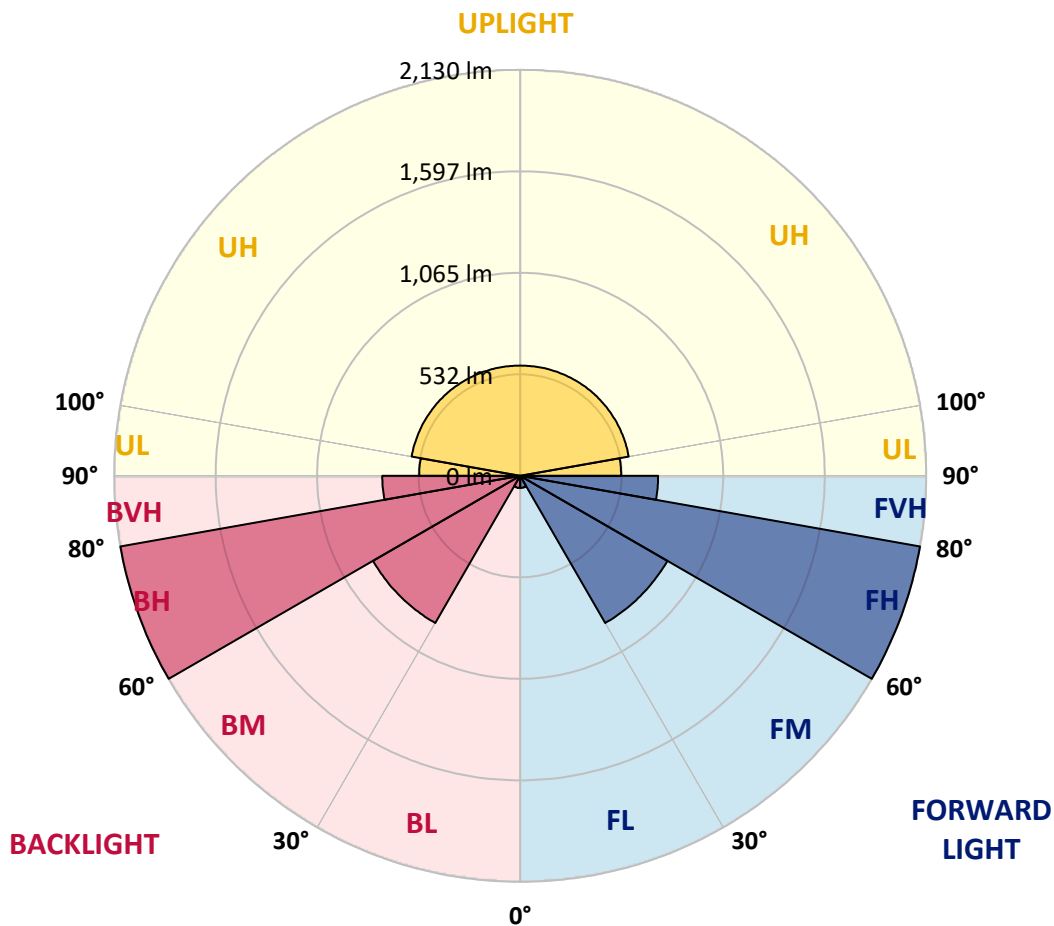
CATALOG NUMBER: ARC-CA6-60-760-U-55-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	63.5	0.7			
FM	(30°-60°)	891.7	10.2			
FH	(60°-80°)	2130.0	24.3			G2/5000
FVH	(80°-90°)	723.4	8.2			G4/750
BL	(0°-30°)	63.5	0.7	B0/110		
BM	(30°-60°)	891.7	10.2	B1/1000		
BH	(60°-80°)	2130.0	24.3	B3/2500		G2/5000
BVH	(80°-90°)	723.4	8.2			G4/750
UL	(90°-100°)	529.9	6.0		U4/1000	
UH	(100°-180°)	578.4	6.6		U4/1000	

BUG Rating: B3-U4-G4

Type V Short



REPORT NUMBER: P588490

CATALOG NUMBER: ARC-CA6-60-760-U-55-X-5-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	58.5
2.5°	59.6
5°	66.7
7.5°	79.5
10°	91.2
12.5°	102.9
15°	114.6
17.5°	126.3
20°	140.3
22.5°	150.9
25°	173.1
27.5°	212.9
30°	252.6
32.5°	279.5
35°	291.2
37.5°	334.5
40°	393.0
42.5°	453.8
45°	512.3
47.5°	549.7
50°	610.5
52.5°	837.4
55°	1242.1
57.5°	1759.0
60°	2247.9
62.5°	2520.4
65°	2452.6
67.5°	2254.9
70°	2069.0
72.5°	1912.2
75°	1821.0
77.5°	1728.6
80°	1633.9
82.5°	1532.1
85°	1368.4
87.5°	1150.8
90°	879.5
92.5°	626.9
95°	436.2
97.5°	315.8
100°	242.1
102.5°	201.2
105°	180.1
107.5°	168.4
110°	164.9

REPORT NUMBER: P588490

CATALOG NUMBER: ARC-CA6-60-760-U-55-X-5-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	167.2
115°	171.9
117.5°	169.6
120°	157.9
122.5°	140.3
125°	127.5
127.5°	118.1
130°	111.1
132.5°	104.1
135°	98.2
137.5°	91.2
140°	83.0
142.5°	76.0
145°	70.2
147.5°	63.2
150°	53.8
152.5°	46.8
155°	39.8
157.5°	33.9
160°	26.9
162.5°	21.1
165°	15.2
167.5°	10.5
170°	7.0
172.5°	3.5
175°	2.3
177.5°	3.5
180°	3.5

(END OF REPORT)