

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: P588366

Luminaire Tested: **ARC-CA6-100-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588366
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-CA6-100-750-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13945 lumens
Efficiency: N/A
Efficacy: 134.5 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

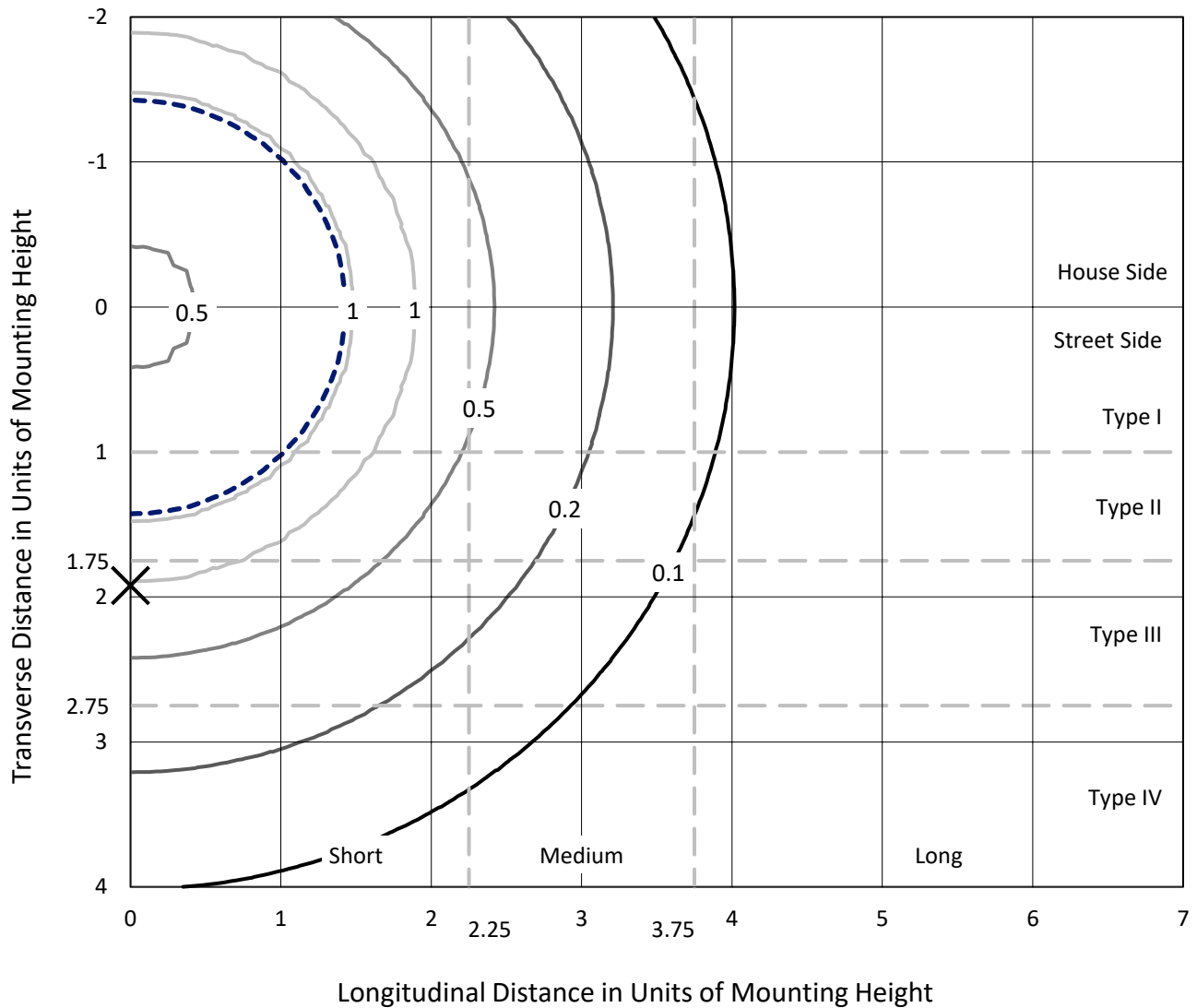
Input Watts (W): 103.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P588366
 CATALOG NUMBER: ARC-CA6-100-750-U-55-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

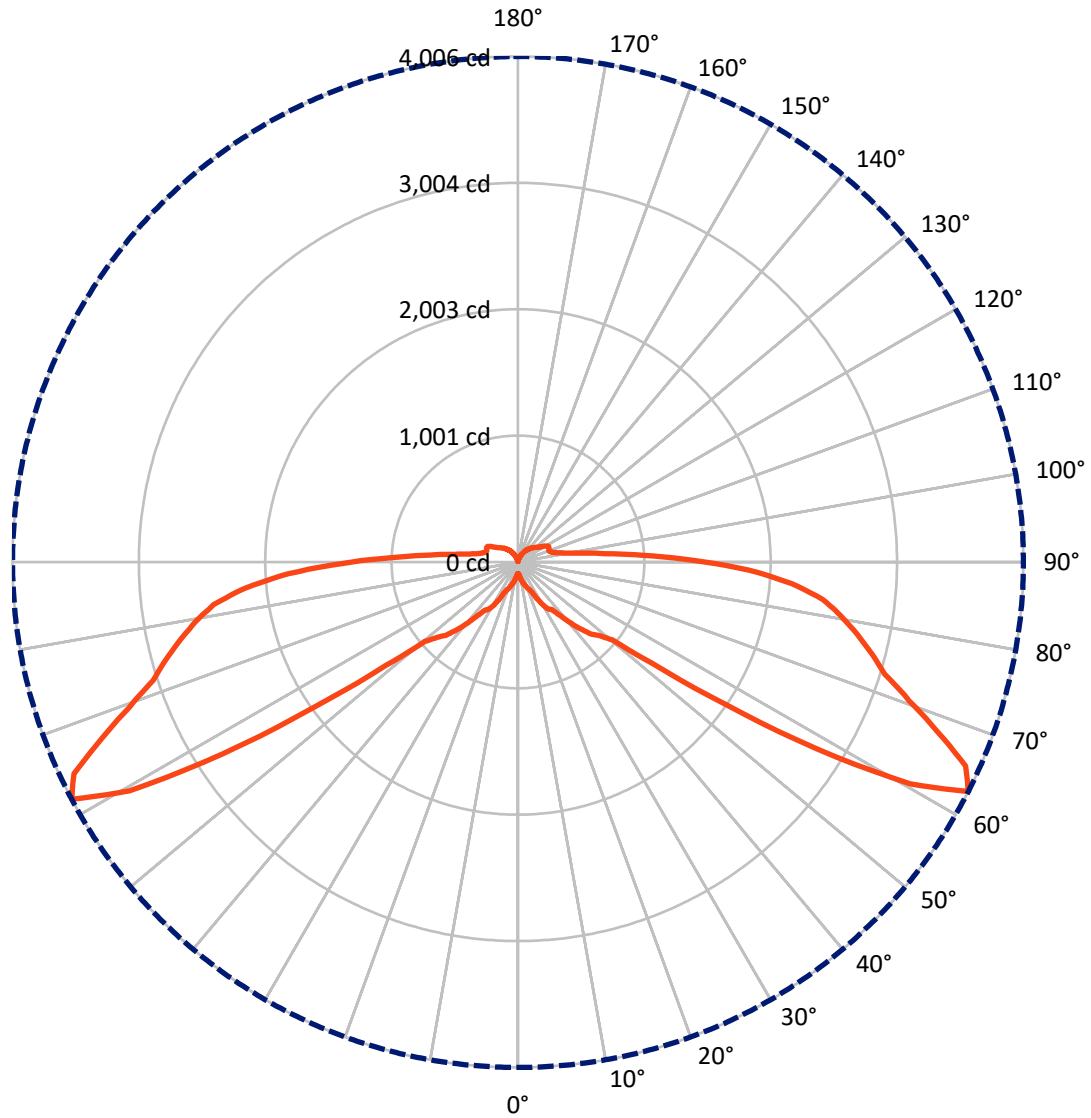
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588366
CATALOG NUMBER: ARC-CA6-100-750-U-55-X-5-X

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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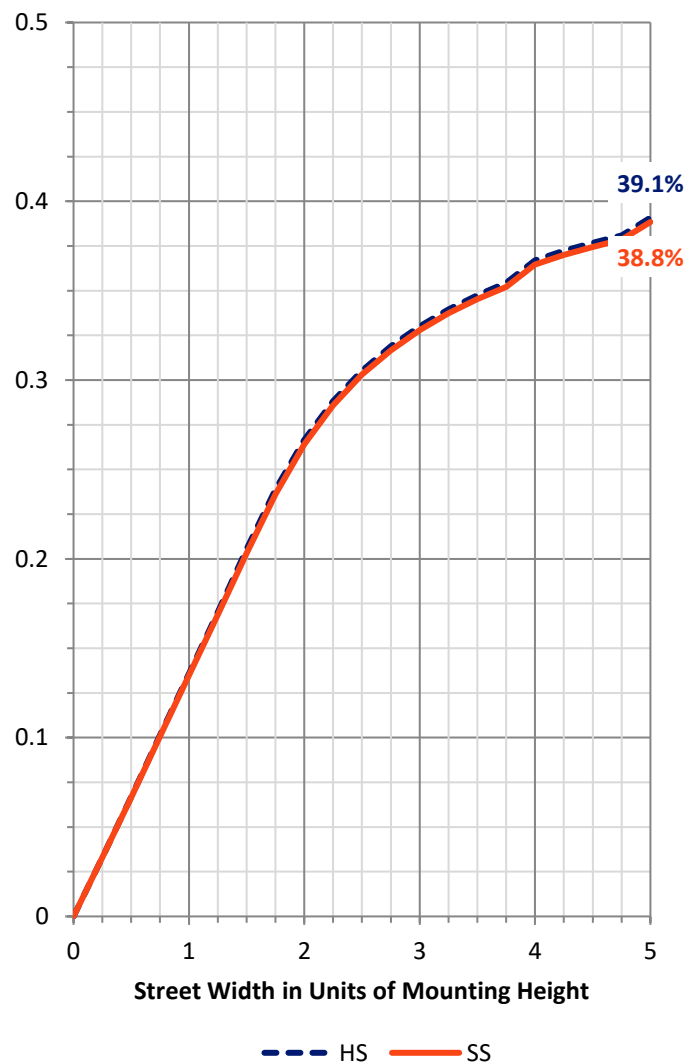
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6053.2	919.3	6972.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6053.2	919.3	6972.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	12106.4	1838.6	13945.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.1
10°-20°	52.9	0.4
20°-30°	137.4	1.0
30°-40°	309.0	2.2
40°-50°	624.3	4.5
50°-60°	1901.2	13.6
60°-70°	3698.9	26.5
70°-80°	3071.6	22.0
80°-90°	2299.6	16.5
90°-100°	842.2	6.0
100°-110°	317.1	2.3
110°-120°	264.3	1.9
120°-130°	186.1	1.3
130°-140°	120.6	0.9
140°-150°	69.9	0.5
150°-160°	30.2	0.2
160°-170°	7.7	0.1
170°-180°	0.6	0.0
0°-90°	12106.4	86.8
0°-180°	13945.0	100.0

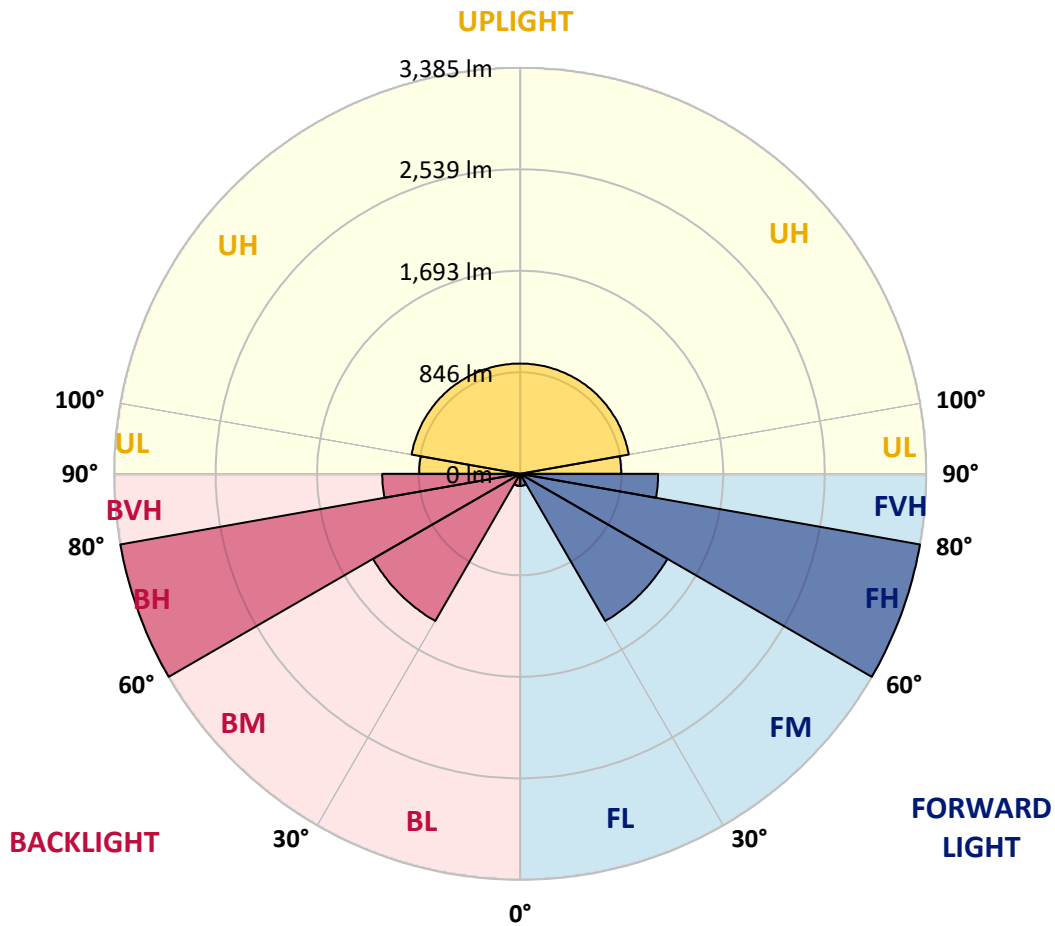


REPORT NUMBER: P588366
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.9	0.7			
FM (30°-60°)	1417.2	10.2			
FH (60°-80°)	3385.3	24.3			G2/5000
FVH (80°-90°)	1149.8	8.2			G5
BL (0°-30°)	100.9	0.7	B0/110		
BM (30°-60°)	1417.2	10.2	B2/2500		
BH (60°-80°)	3385.3	24.3	B4/5000		G2/5000
BVH (80°-90°)	1149.8	8.2			G5
UL (90°-100°)	842.2	6.0		U4/1000	
UH (100°-180°)	919.3	6.6		U4/1000	

BUG Rating: B4-U4-G5
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	92.9
2.5°	94.8
5°	106.0
7.5°	126.4
10°	145.0
12.5°	163.6
15°	182.2
17.5°	200.8
20°	223.1
22.5°	239.8
25°	275.1
27.5°	338.3
30°	401.5
32.5°	444.3
35°	462.9
37.5°	531.6
40°	624.6
42.5°	721.2
45°	814.2
47.5°	873.7
50°	970.3
52.5°	1330.9
55°	1974.1
57.5°	2795.7
60°	3572.7
62.5°	4005.8
65°	3898.0
67.5°	3583.9
70°	3288.3
72.5°	3039.2
75°	2894.2
77.5°	2747.4
80°	2596.8
82.5°	2435.1
85°	2174.8
87.5°	1829.1
90°	1397.9
92.5°	996.3
95°	693.3
97.5°	501.9
100°	384.8
102.5°	319.7
105°	286.3
107.5°	267.7
110°	262.1

REPORT NUMBER: P588366

CATALOG NUMBER: ARC-CA6-100-750-U-55-X-5-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	265.8
115°	273.3
117.5°	269.5
120°	250.9
122.5°	223.1
125°	202.6
127.5°	187.7
130°	176.6
132.5°	165.4
135°	156.1
137.5°	145.0
140°	132.0
142.5°	120.8
145°	111.5
147.5°	100.4
150°	85.5
152.5°	74.4
155°	63.2
157.5°	53.9
160°	42.8
162.5°	33.5
165°	24.2
167.5°	16.7
170°	11.2
172.5°	5.6
175°	3.7
177.5°	5.6
180°	5.6

(END OF REPORT)