

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: P588414

Luminaire Tested: **ARC-CA6-120-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588414
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-CA6-120-750-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: 16081 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

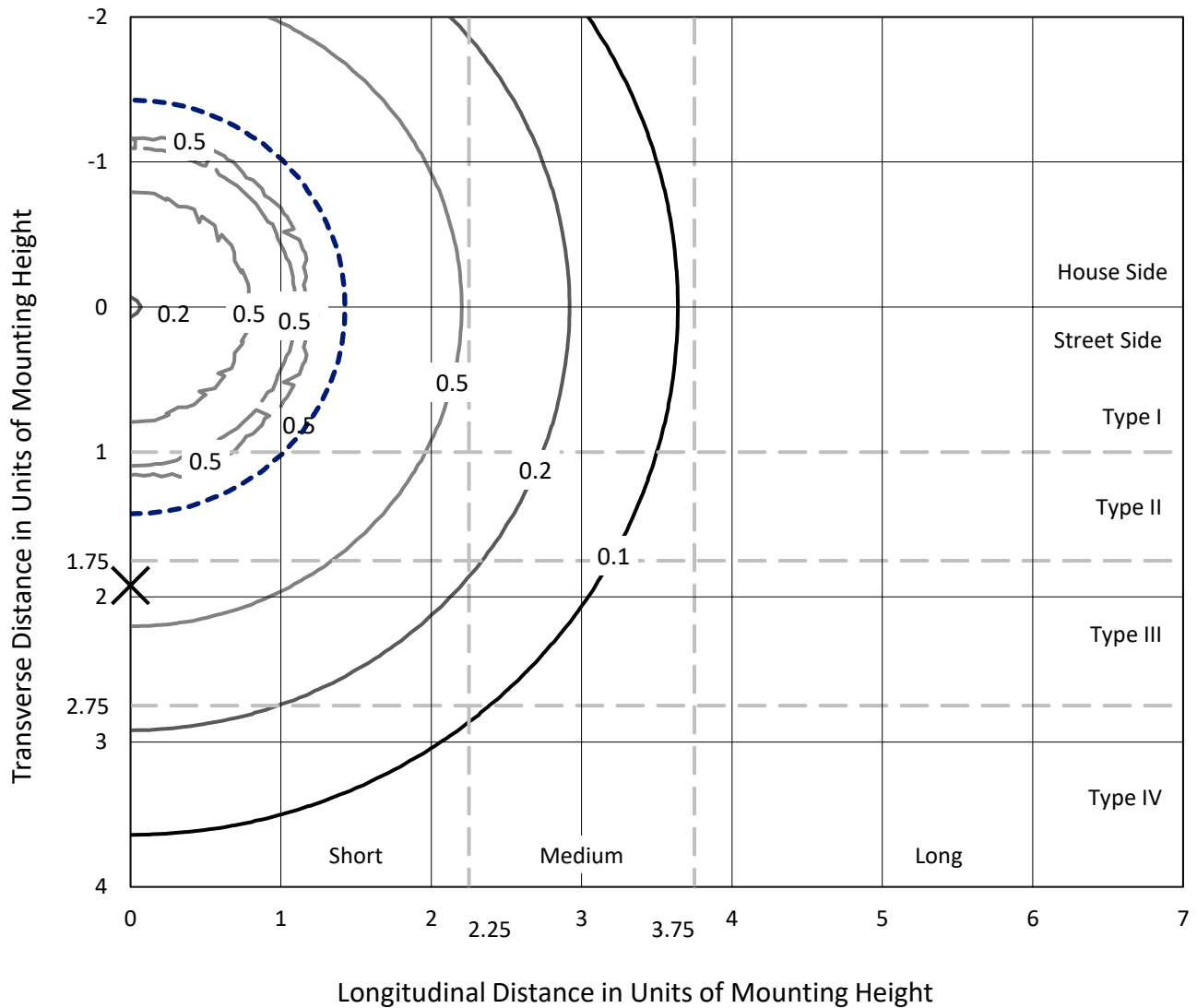
Input Watts (W): 119.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

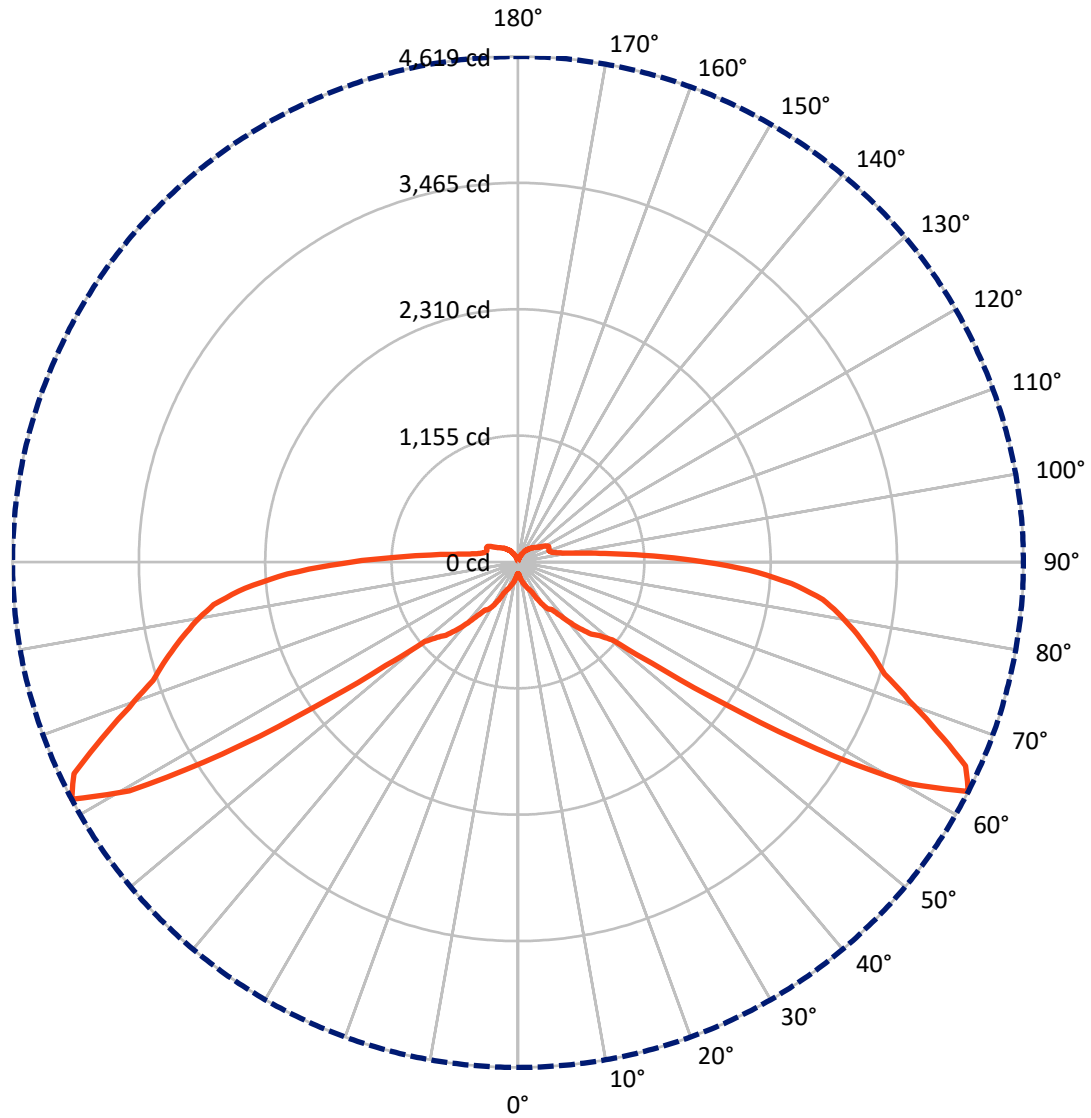
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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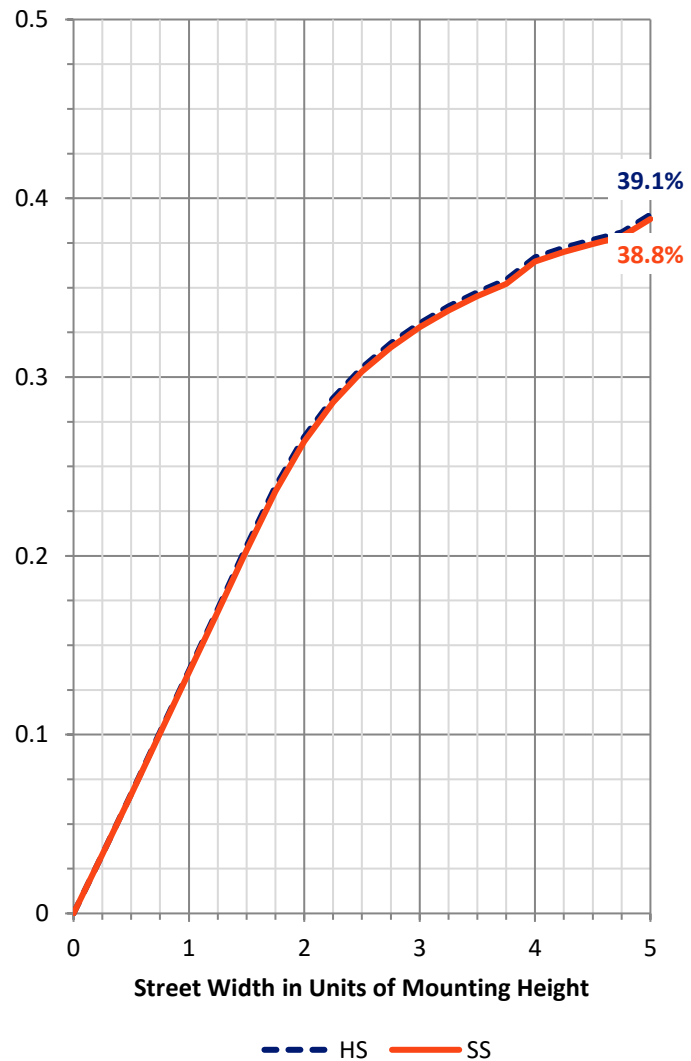
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6980.4	1060.1	8040.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	6980.4	1060.1	8040.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	13960.7	2120.3	16081.0
	% Fixture	86.8	13.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.1
10°-20°	61.0	0.4
20°-30°	158.4	1.0
30°-40°	356.3	2.2
40°-50°	719.9	4.5
50°-60°	2192.4	13.6
60°-70°	4265.5	26.5
70°-80°	3542.1	22.0
80°-90°	2651.9	16.5
90°-100°	971.2	6.0
100°-110°	365.6	2.3
110°-120°	304.8	1.9
120°-130°	214.6	1.3
130°-140°	139.2	0.9
140°-150°	80.6	0.5
150°-160°	34.8	0.2
160°-170°	8.8	0.1
170°-180°	0.7	0.0
0°-90°	13960.7	86.8
0°-180°	16081.0	100.0



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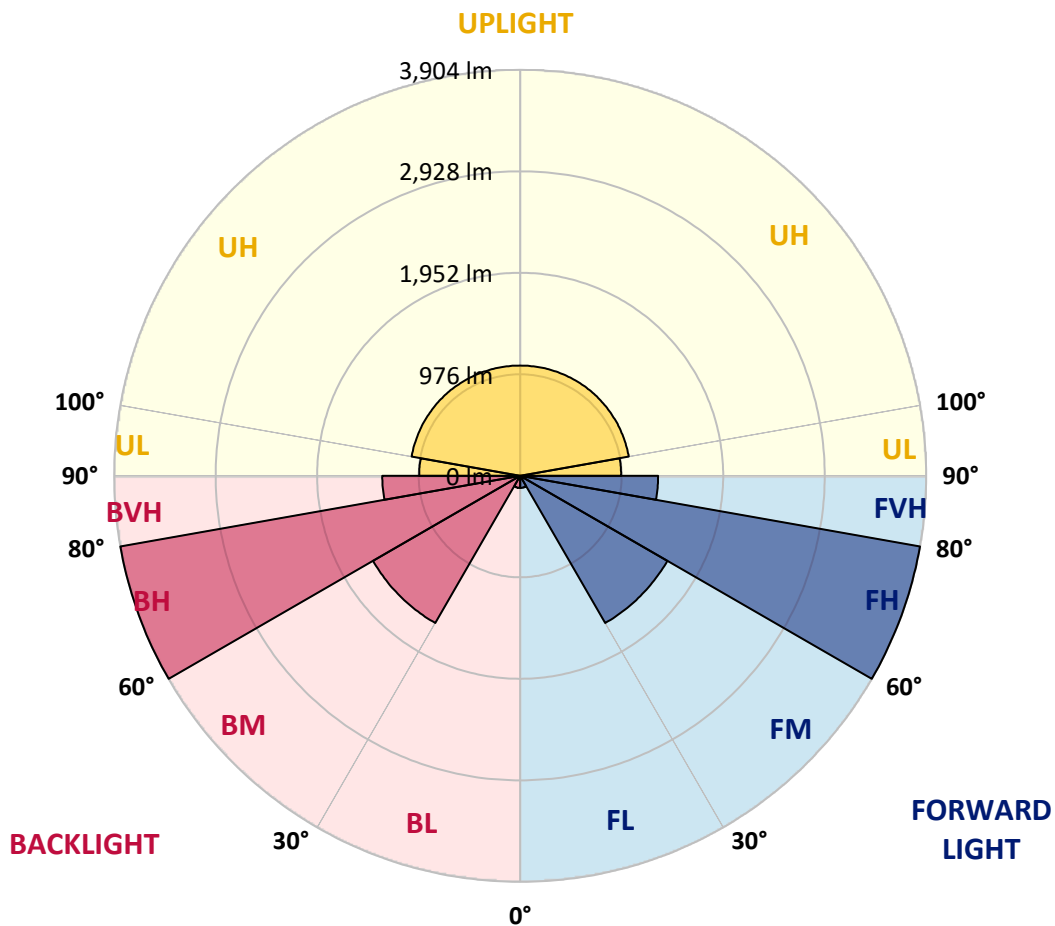
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	116.3	0.7			
FM (30°-60°)	1634.3	10.2			
FH (60°-80°)	3903.8	24.3			G2/5000
FVH (80°-90°)	1326.0	8.2			G5
BL (0°-30°)	116.3	0.7	B1/500		
BM (30°-60°)	1634.3	10.2	B2/2500		
BH (60°-80°)	3903.8	24.3	B4/5000		G2/5000
BVH (80°-90°)	1326.0	8.2			G5
UL (90°-100°)	971.2	6.0		U4/1000	
UH (100°-180°)	1060.1	6.6		U5	

BUG Rating: B4-U5-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	107.2
2.5°	109.3
5°	122.2
7.5°	145.8
10°	167.2
12.5°	188.6
15°	210.1
17.5°	231.5
20°	257.2
22.5°	276.5
25°	317.2
27.5°	390.1
30°	463.0
32.5°	512.3
35°	533.7
37.5°	613.1
40°	720.2
42.5°	831.7
45°	938.9
47.5°	1007.5
50°	1118.9
52.5°	1534.8
55°	2276.5
57.5°	3223.9
60°	4119.9
62.5°	4619.4
65°	4495.1
67.5°	4132.8
70°	3792.0
72.5°	3504.7
75°	3337.5
77.5°	3168.2
80°	2994.6
82.5°	2808.1
85°	2508.0
87.5°	2109.3
90°	1612.0
92.5°	1149.0
95°	799.6
97.5°	578.8
100°	443.7
102.5°	368.7
105°	330.1
107.5°	308.7
110°	302.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	306.5
115°	315.1
117.5°	310.8
120°	289.4
122.5°	257.2
125°	233.6
127.5°	216.5
130°	203.6
132.5°	190.8
135°	180.1
137.5°	167.2
140°	152.2
142.5°	139.3
145°	128.6
147.5°	115.8
150°	98.6
152.5°	85.7
155°	72.9
157.5°	62.2
160°	49.3
162.5°	38.6
165°	27.9
167.5°	19.3
170°	12.9
172.5°	6.4
175°	4.3
177.5°	6.4
180°	6.4

(END OF REPORT)