

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: P588538

Luminaire Tested: **ARC-CA6-80-760-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588538
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-CA6-80-760-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

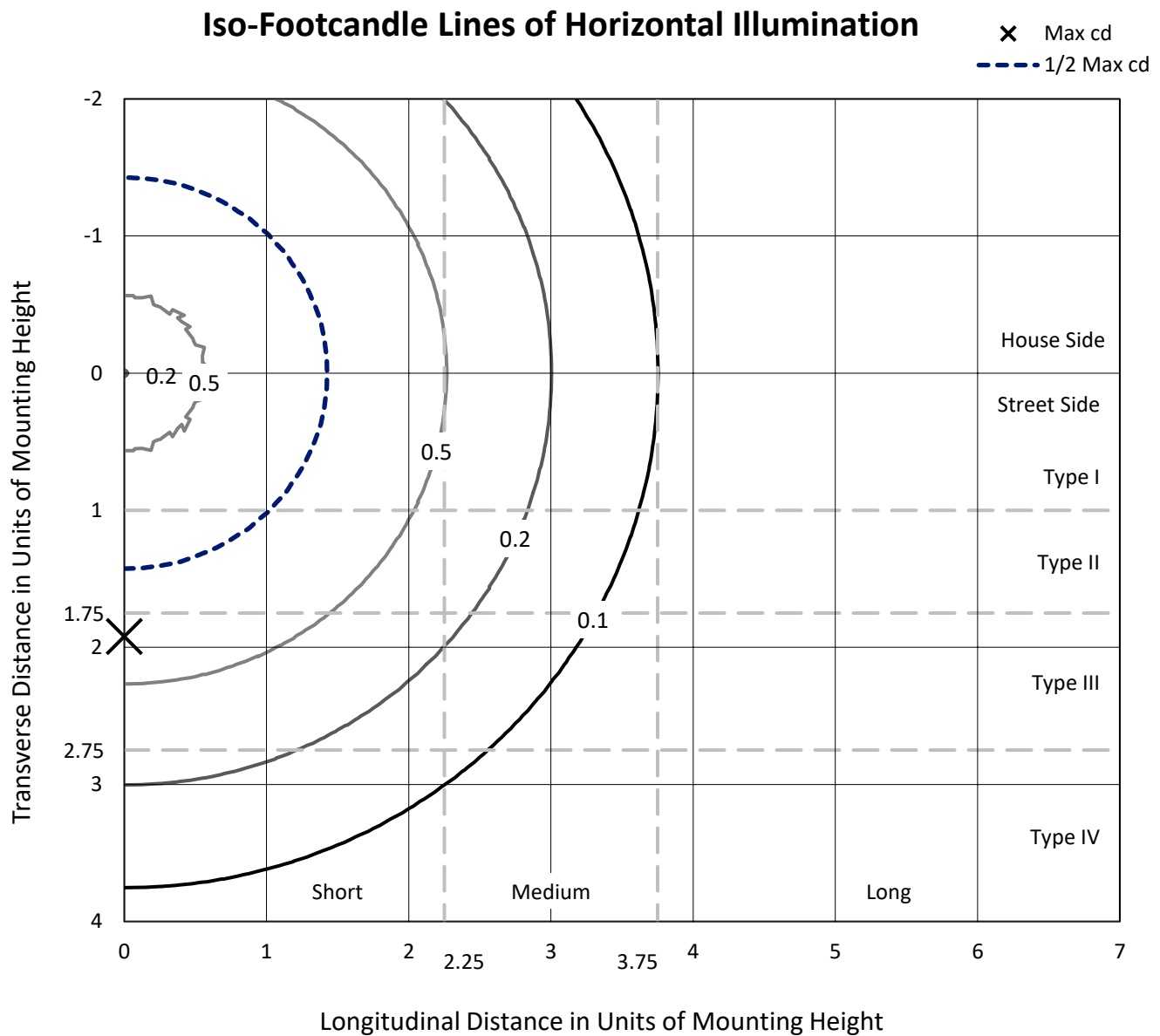
Lumens per Lamp: N/A
Luminaire Lumens: 11310 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U4 - G5

Input Watts (W): 84.4
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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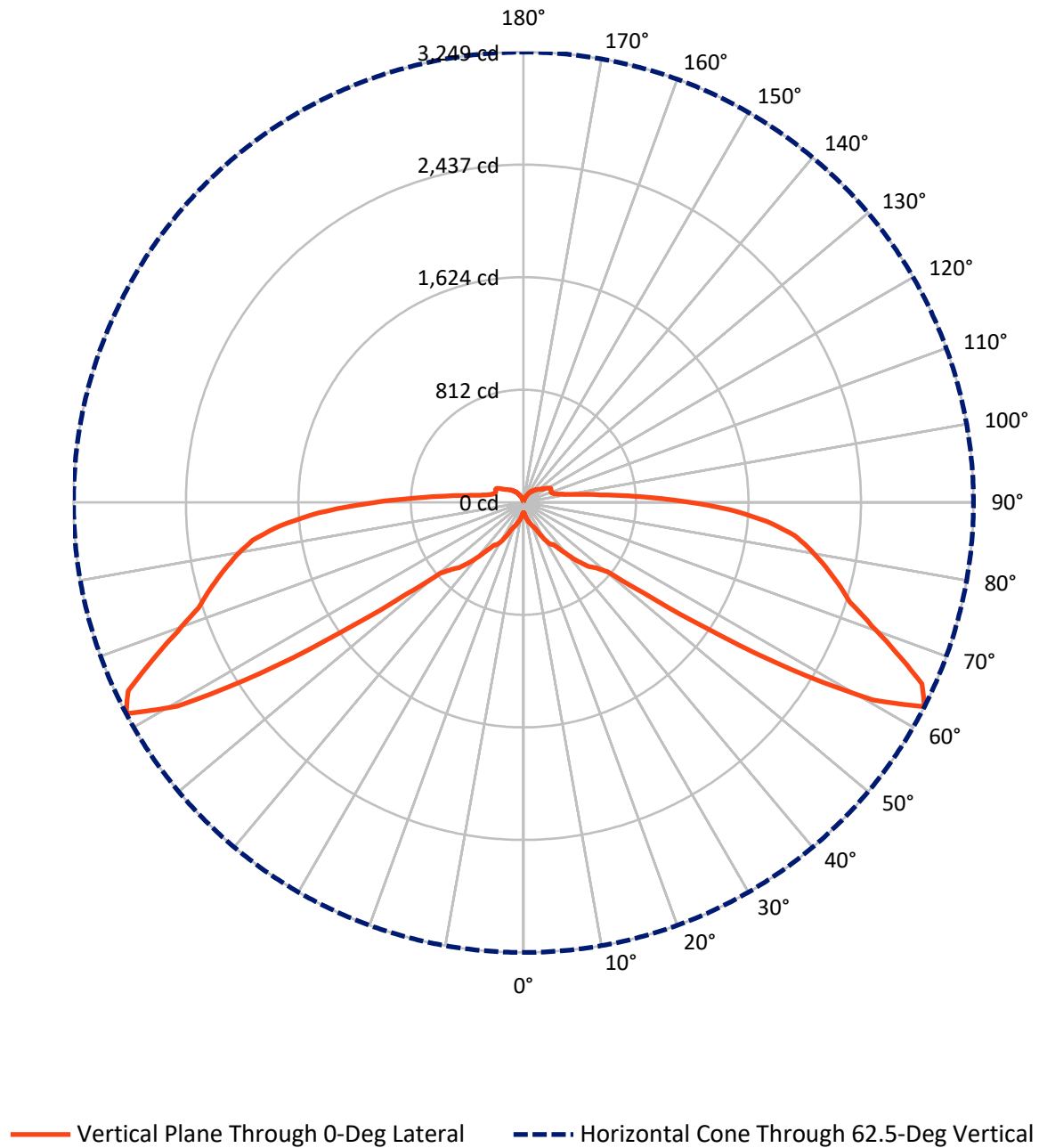


Based on 20 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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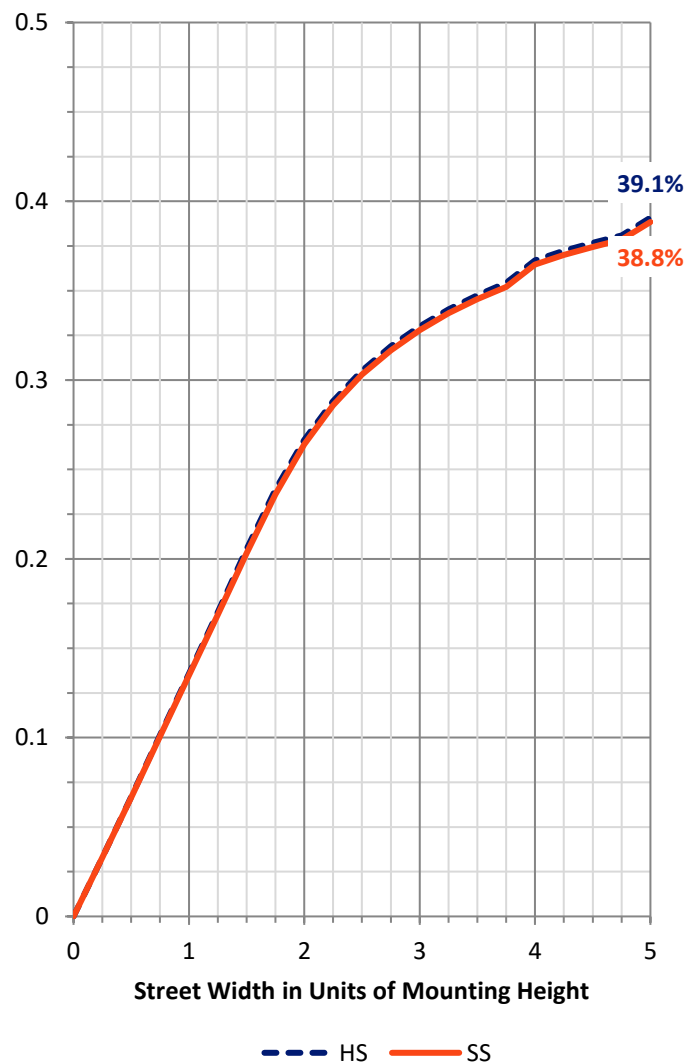
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4909.4	745.6	5655.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	4909.4	745.6	5655.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	9818.8	1491.2	11310.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	42.9	0.4
20°-30°	111.4	1.0
30°-40°	250.6	2.2
40°-50°	506.3	4.5
50°-60°	1541.9	13.6
60°-70°	3000.0	26.5
70°-80°	2491.2	22.0
80°-90°	1865.1	16.5
90°-100°	683.0	6.0
100°-110°	257.1	2.3
110°-120°	214.4	1.9
120°-130°	151.0	1.3
130°-140°	97.9	0.9
140°-150°	56.7	0.5
150°-160°	24.4	0.2
160°-170°	6.2	0.1
170°-180°	0.5	0.0
0°-90°	9818.8	86.8
0°-180°	11310.0	100.0

Coefficient of Utilization



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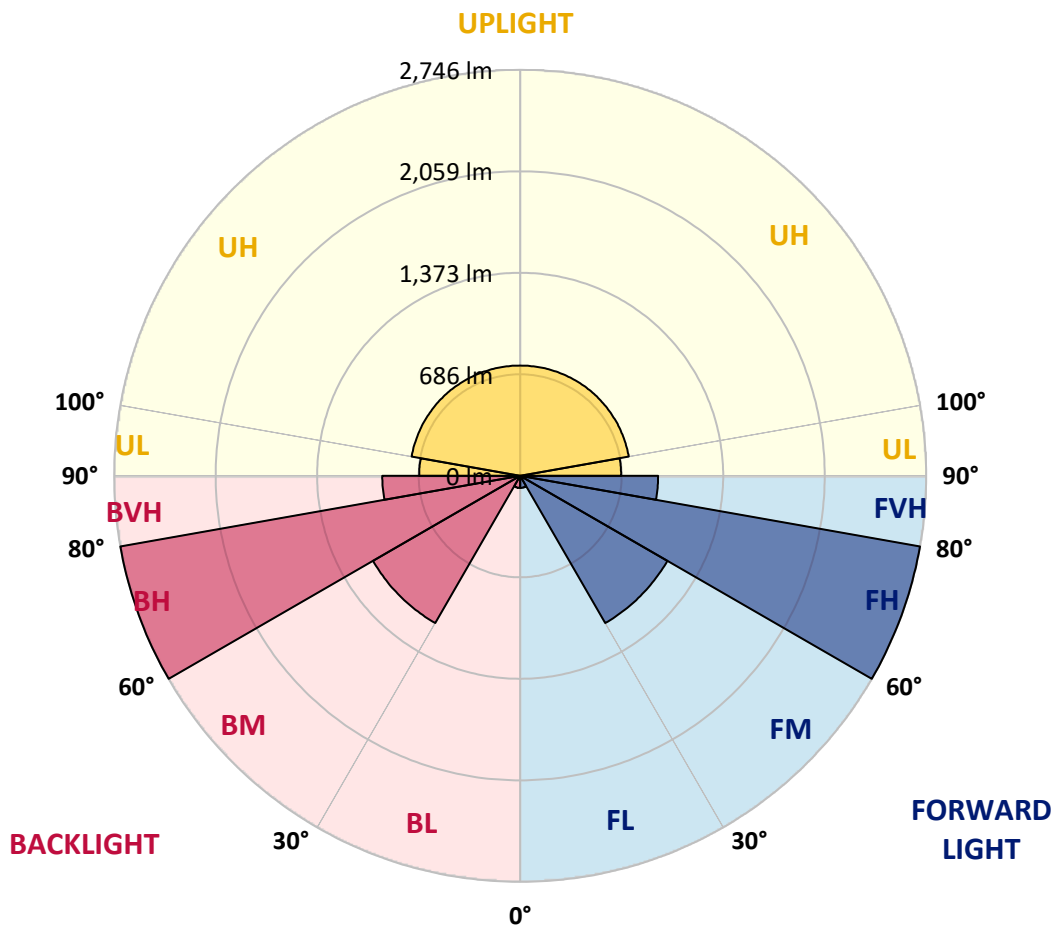
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.8	0.7			
FM	(30°-60°)	1149.4	10.2			
FH	(60°-80°)	2745.6	24.3			G2/5000
FVH	(80°-90°)	932.6	8.2			G5
BL	(0°-30°)	81.8	0.7	B0/110		
BM	(30°-60°)	1149.4	10.2	B2/2500		
BH	(60°-80°)	2745.6	24.3	B4/5000		G2/5000
BVH	(80°-90°)	932.6	8.2			G5
UL	(90°-100°)	683.0	6.0		U4/1000	
UH	(100°-180°)	745.6	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	75.4
2.5°	76.9
5°	85.9
7.5°	102.5
10°	117.6
12.5°	132.7
15°	147.7
17.5°	162.8
20°	180.9
22.5°	194.5
25°	223.1
27.5°	274.4
30°	325.6
32.5°	360.3
35°	375.4
37.5°	431.2
40°	506.6
42.5°	585.0
45°	660.3
47.5°	708.6
50°	787.0
52.5°	1079.4
55°	1601.1
57.5°	2267.4
60°	2897.6
62.5°	3248.9
65°	3161.4
67.5°	2906.7
70°	2667.0
72.5°	2464.9
75°	2347.3
77.5°	2228.2
80°	2106.1
82.5°	1975.0
85°	1763.9
87.5°	1483.5
90°	1133.7
92.5°	808.1
95°	562.3
97.5°	407.1
100°	312.1
102.5°	259.3
105°	232.2
107.5°	217.1
110°	212.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	215.6
115°	221.6
117.5°	218.6
120°	203.5
122.5°	180.9
125°	164.3
127.5°	152.3
130°	143.2
132.5°	134.2
135°	126.6
137.5°	117.6
140°	107.0
142.5°	98.0
145°	90.5
147.5°	81.4
150°	69.3
152.5°	60.3
155°	51.3
157.5°	43.7
160°	34.7
162.5°	27.1
165°	19.6
167.5°	13.6
170°	9.0
172.5°	4.5
175°	3.0
177.5°	4.5
180°	4.5

(END OF REPORT)