

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: P588534

Luminaire Tested: **ARC-CA6-80-750-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588534
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-CA6-80-750-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: 11554.9 lumens
Efficiency: N/A
Efficacy: 136.9 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



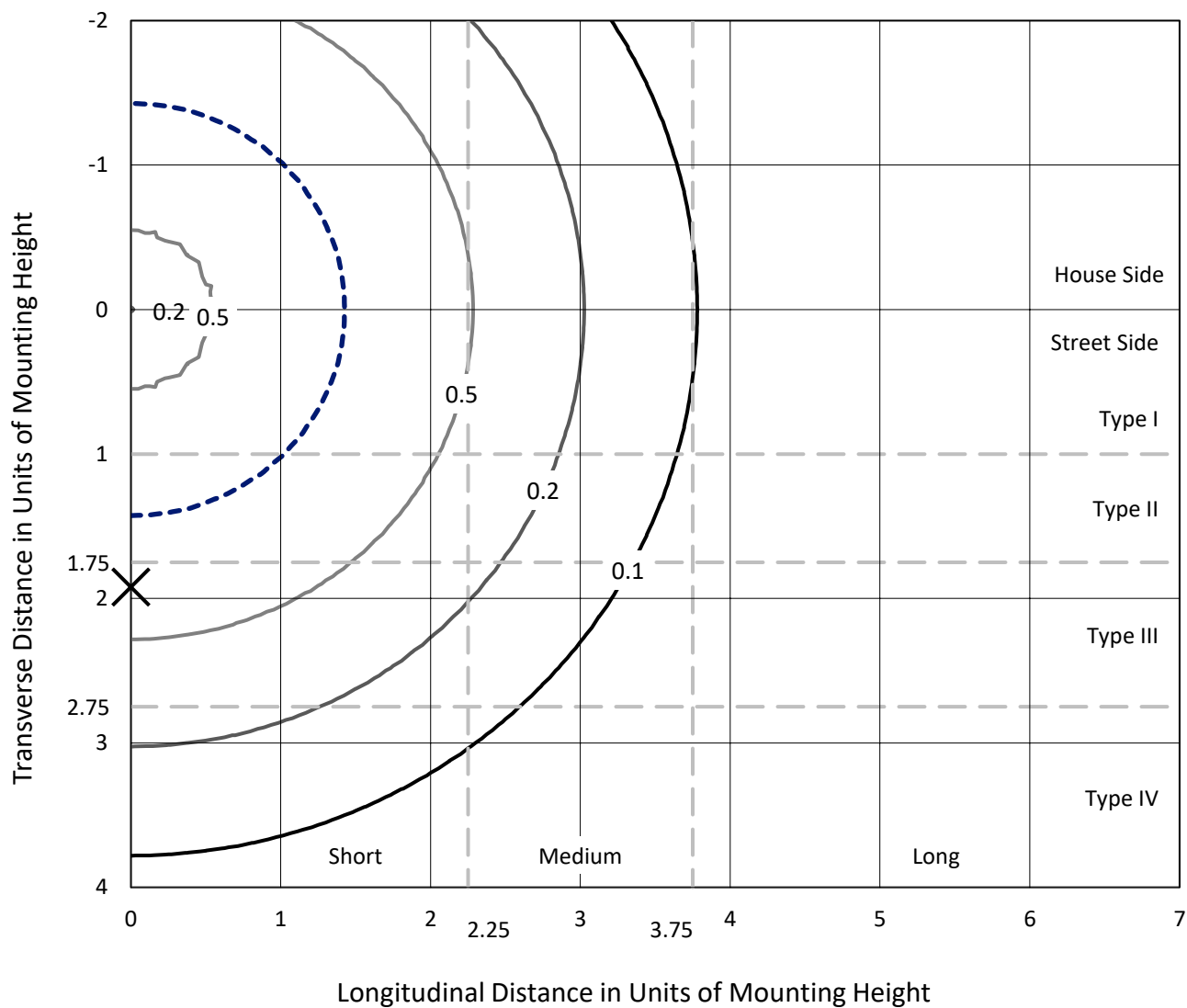
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

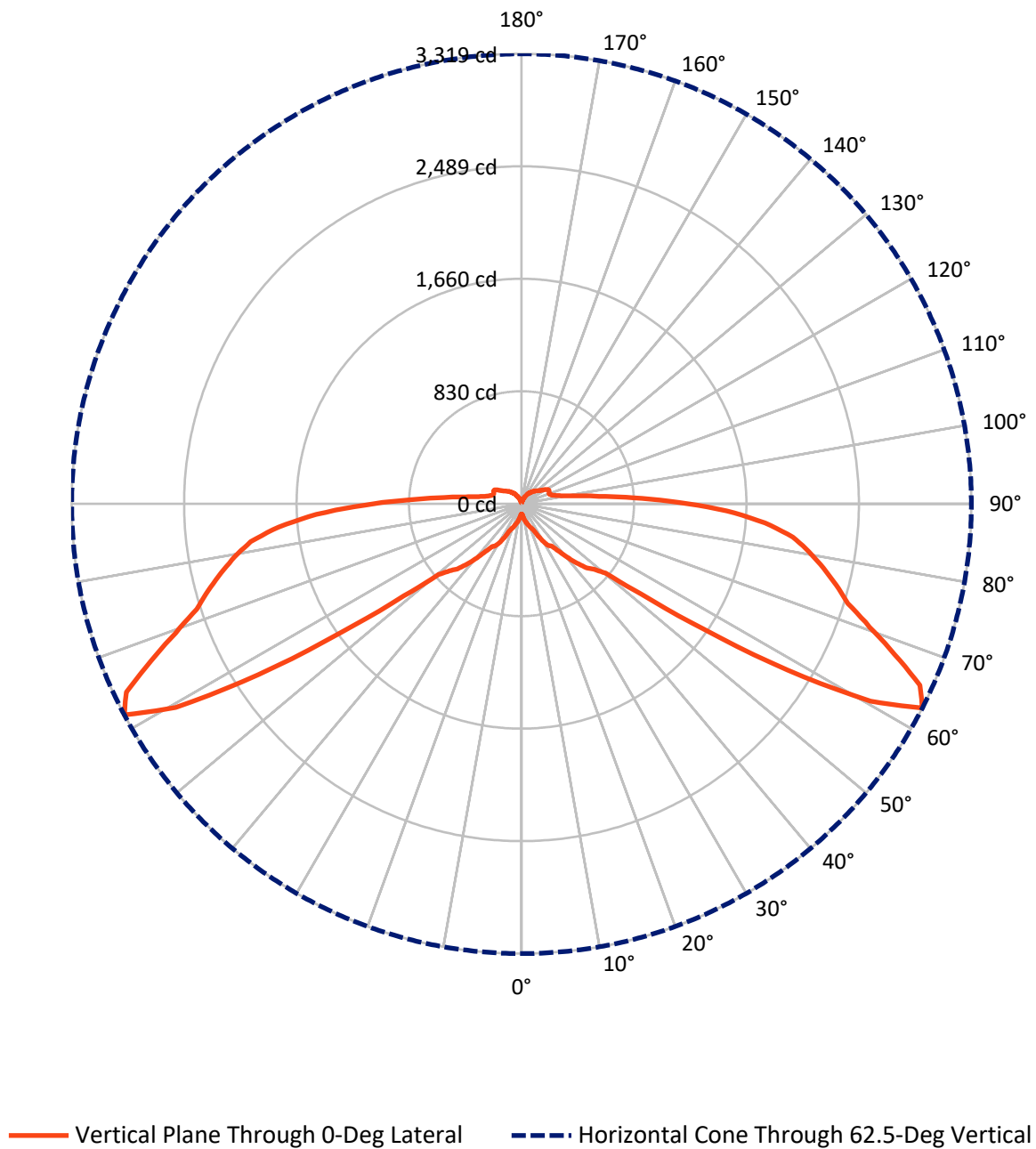


Based on 20 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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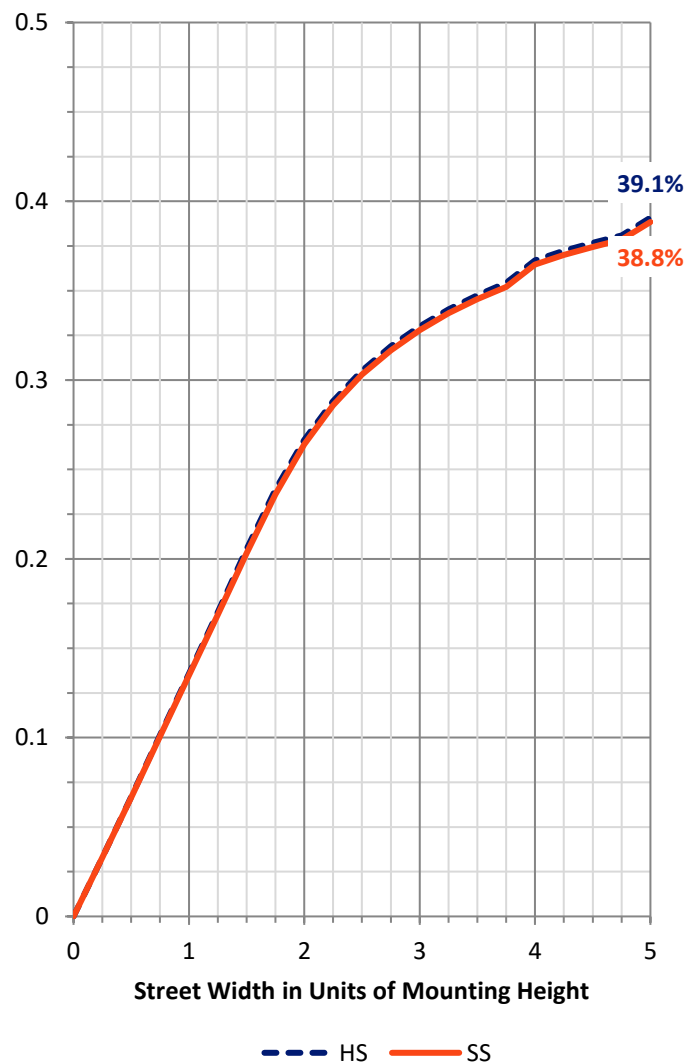
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5015.7	761.8	5777.5
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	5015.7	761.8	5777.5
	% Fixture	43.4	6.6	50.0
Total	Lumens	10031.4	1523.5	11554.9
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	43.8	0.4
20°-30°	113.8	1.0
30°-40°	256.0	2.2
40°-50°	517.3	4.5
50°-60°	1575.3	13.6
60°-70°	3065.0	26.5
70°-80°	2545.2	22.0
80°-90°	1905.5	16.5
90°-100°	697.8	6.0
100°-110°	262.7	2.3
110°-120°	219.0	1.9
120°-130°	154.2	1.3
130°-140°	100.0	0.9
140°-150°	57.9	0.5
150°-160°	25.0	0.2
160°-170°	6.3	0.1
170°-180°	0.5	0.0
0°-90°	10031.4	86.8
0°-180°	11554.9	100.0

Coefficient of Utilization



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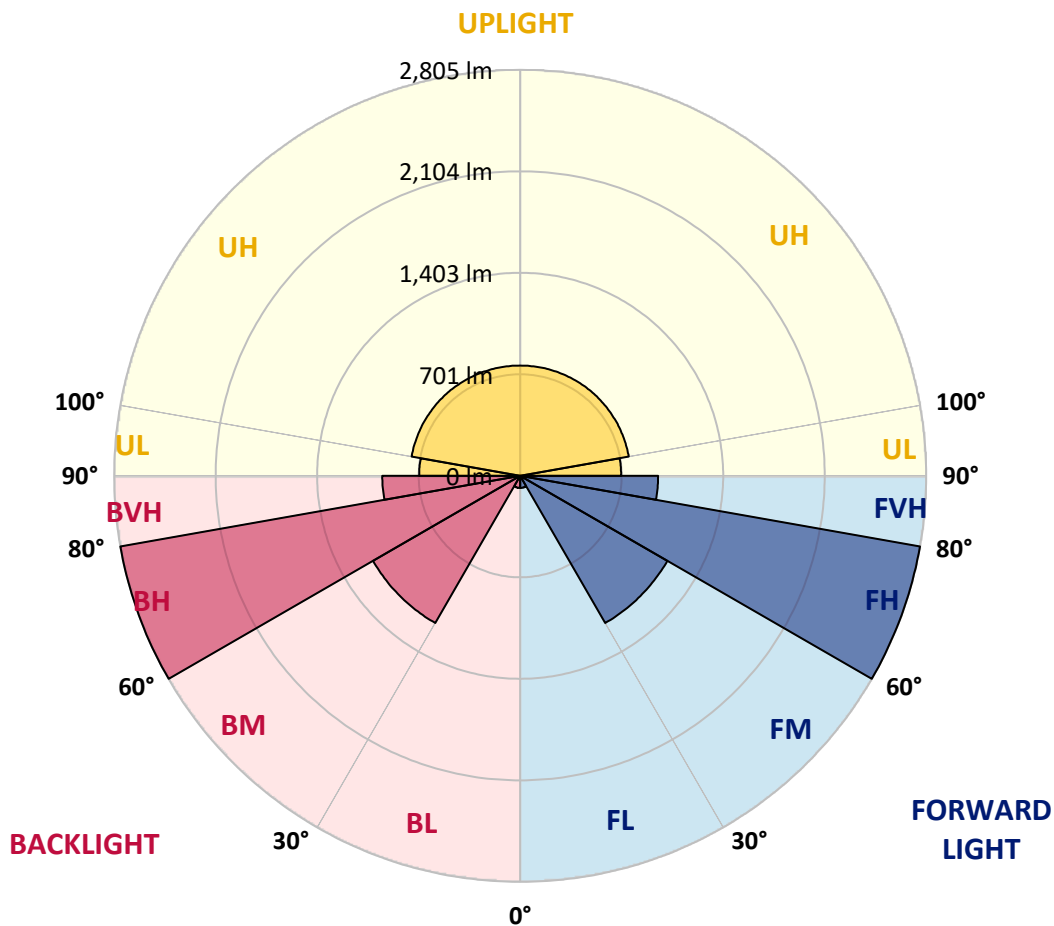
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.6	0.7			
FM	(30°-60°)	1174.3	10.2			
FH	(60°-80°)	2805.1	24.3			G2/5000
FVH	(80°-90°)	952.7	8.2			G5
BL	(0°-30°)	83.6	0.7	B0/110		
BM	(30°-60°)	1174.3	10.2	B2/2500		
BH	(60°-80°)	2805.1	24.3	B4/5000		G2/5000
BVH	(80°-90°)	952.7	8.2			G5
UL	(90°-100°)	697.8	6.0		U4/1000	
UH	(100°-180°)	761.8	6.6		U4/1000	

BUG Rating: B4-U4-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	77.0
2.5°	78.6
5°	87.8
7.5°	104.7
10°	120.1
12.5°	135.5
15°	150.9
17.5°	166.3
20°	184.8
22.5°	198.7
25°	228.0
27.5°	280.3
30°	332.7
32.5°	368.1
35°	383.5
37.5°	440.5
40°	517.5
42.5°	597.6
45°	674.6
47.5°	723.9
50°	804.0
52.5°	1102.8
55°	1635.8
57.5°	2316.6
60°	2960.4
62.5°	3319.3
65°	3229.9
67.5°	2969.6
70°	2724.7
72.5°	2518.3
75°	2398.2
77.5°	2276.5
80°	2151.7
82.5°	2017.7
85°	1802.1
87.5°	1515.6
90°	1158.3
92.5°	825.6
95°	574.5
97.5°	415.9
100°	318.8
102.5°	264.9
105°	237.2
107.5°	221.8
110°	217.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	220.3
115°	226.4
117.5°	223.3
120°	207.9
122.5°	184.8
125°	167.9
127.5°	155.6
130°	146.3
132.5°	137.1
135°	129.4
137.5°	120.1
140°	109.4
142.5°	100.1
145°	92.4
147.5°	83.2
150°	70.9
152.5°	61.6
155°	52.4
157.5°	44.7
160°	35.4
162.5°	27.7
165°	20.0
167.5°	13.9
170°	9.2
172.5°	4.6
175°	3.1
177.5°	4.6
180°	4.6

(END OF REPORT)