

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: P588478

Luminaire Tested: **ARC-CA6-60-730-U-55-X-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588478
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-CA6-60-730-U-55-X-5-X
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE V REFRACTOR
Light Source: (6) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8600 lumens
Efficiency: N/A
Efficacy: 133.7 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



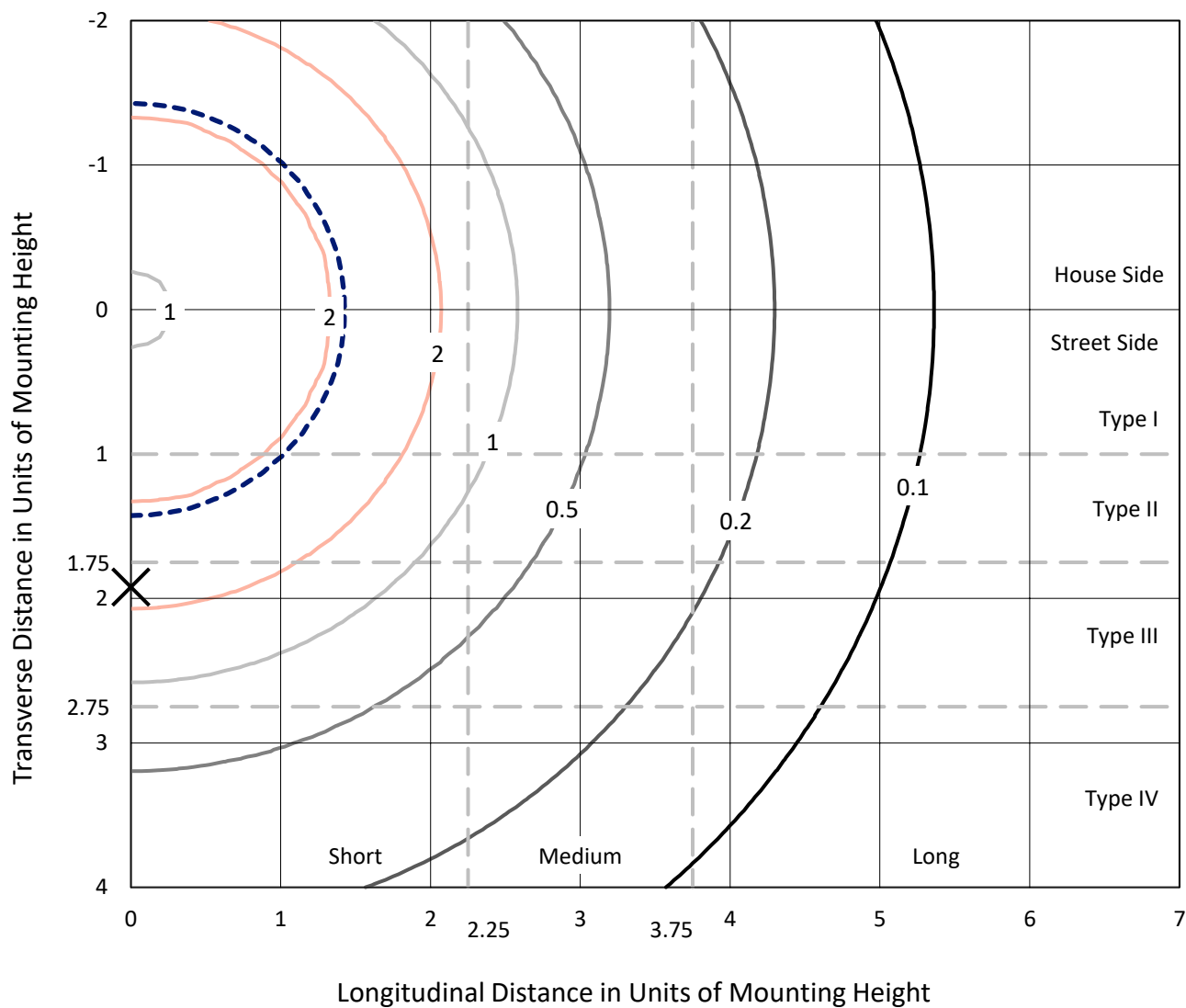
REPORT NUMBER: P588478

CATALOG NUMBER: ARC-CA6-60-730-U-55-X-5-X

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

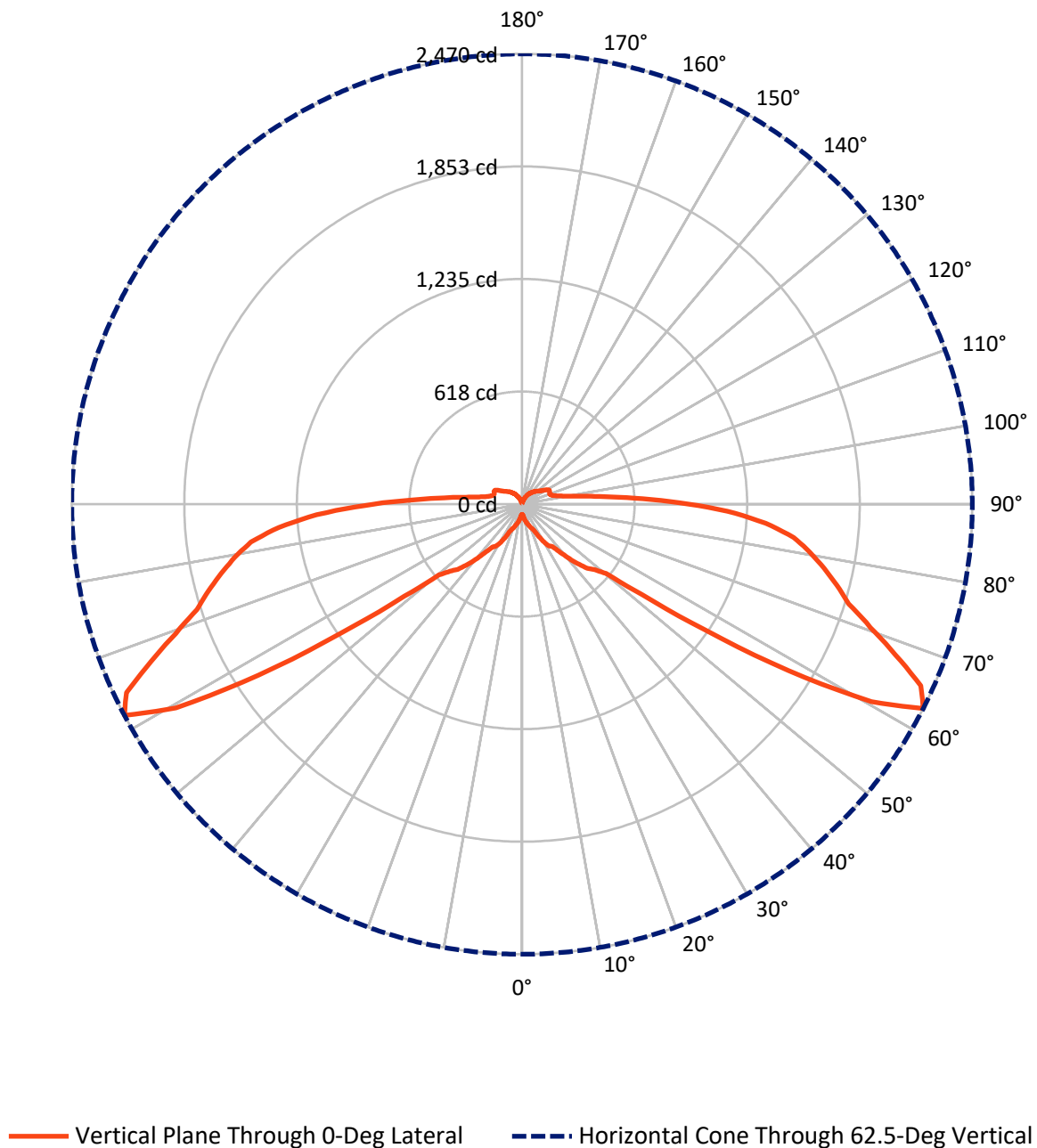


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P588478

CATALOG NUMBER: ARC-CA6-60-730-U-55-X-5-X

Luminous Intensity Polar Plot



REPORT NUMBER: P588478

CATALOG NUMBER: ARC-CA6-60-730-U-55-X-5-X

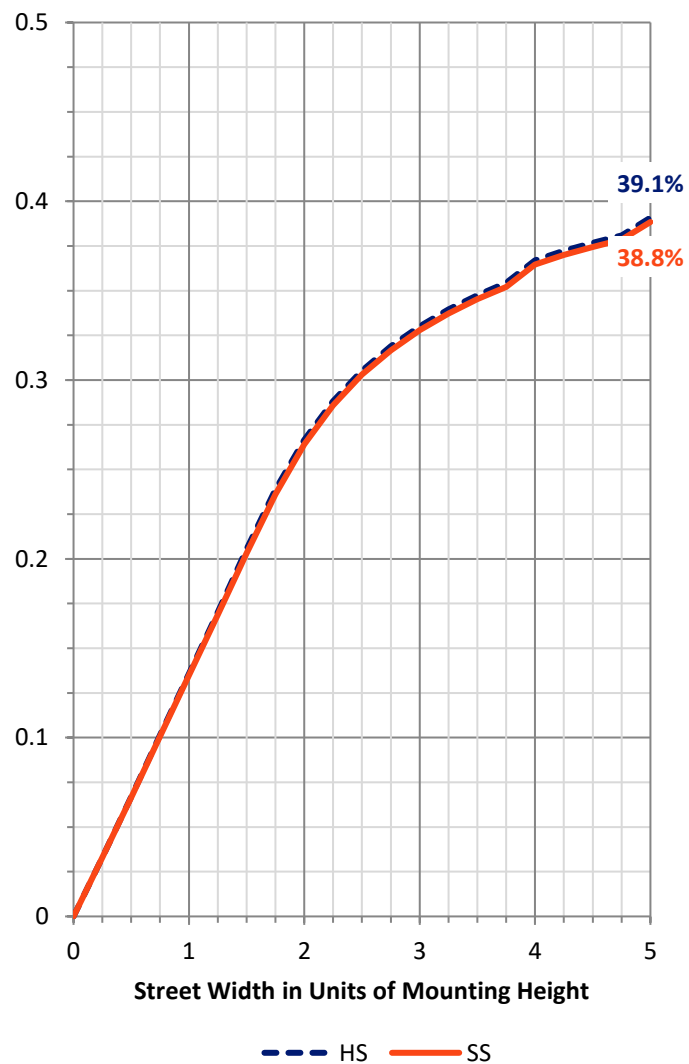
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3733.0	567.0	4300.0
	% Fixture	43.4	6.6	50.0
Street Side	Lumens	3733.0	567.0	4300.0
	% Fixture	43.4	6.6	50.0
Total	Lumens	7466.0	1133.9	8600.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	32.6	0.4
20°-30°	84.7	1.0
30°-40°	190.6	2.2
40°-50°	385.0	4.5
50°-60°	1172.5	13.6
60°-70°	2281.1	26.5
70°-80°	1894.3	22.0
80°-90°	1418.2	16.5
90°-100°	519.4	6.0
100°-110°	195.5	2.3
110°-120°	163.0	1.9
120°-130°	114.8	1.3
130°-140°	74.4	0.9
140°-150°	43.1	0.5
150°-160°	18.6	0.2
160°-170°	4.7	0.1
170°-180°	0.4	0.0
0°-90°	7466.0	86.8
0°-180°	8600.0	100.0

Coefficient of Utilization



REPORT NUMBER: P588478

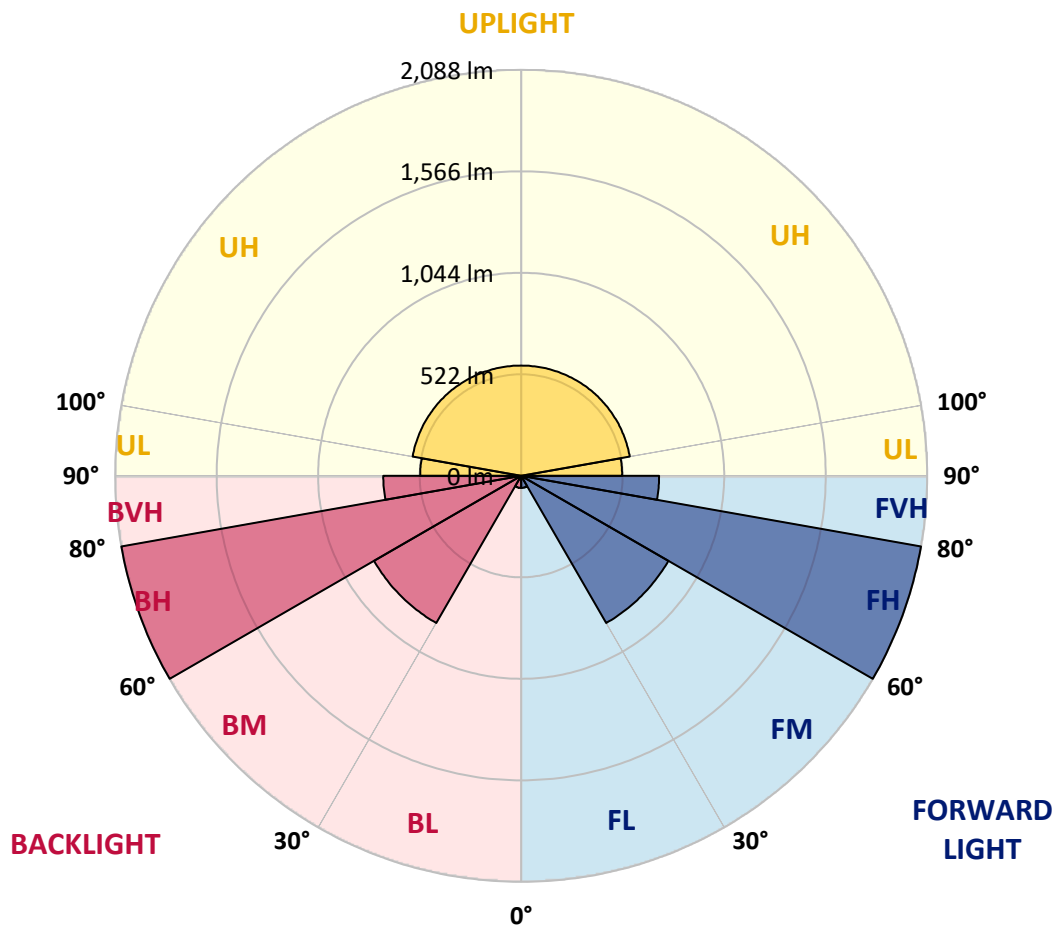
CATALOG NUMBER: ARC-CA6-60-730-U-55-X-5-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.2	0.7			
FM	(30°-60°)	874.0	10.2			
FH	(60°-80°)	2087.7	24.3			G2/5000
FVH	(80°-90°)	709.1	8.2			G4/750
BL	(0°-30°)	62.2	0.7	B0/110		
BM	(30°-60°)	874.0	10.2	B1/1000		
BH	(60°-80°)	2087.7	24.3	B3/2500		G2/5000
BVH	(80°-90°)	709.1	8.2			G4/750
UL	(90°-100°)	519.4	6.0		U4/1000	
UH	(100°-180°)	567.0	6.6		U4/1000	

BUG Rating: B3-U4-G4

Type V Short



REPORT NUMBER: P588478

CATALOG NUMBER: ARC-CA6-60-730-U-55-X-5-X

CANDELA DISTRIBUTION (FULL):

0°	
0°	57.3
2.5°	58.5
5°	65.3
7.5°	78.0
10°	89.4
12.5°	100.9
15°	112.3
17.5°	123.8
20°	137.6
22.5°	147.9
25°	169.7
27.5°	208.6
30°	247.6
32.5°	274.0
35°	285.4
37.5°	327.9
40°	385.2
42.5°	444.8
45°	502.1
47.5°	538.8
50°	598.4
52.5°	820.8
55°	1217.4
57.5°	1724.1
60°	2203.3
62.5°	2470.4
65°	2403.9
67.5°	2210.2
70°	2027.9
72.5°	1874.3
75°	1784.9
77.5°	1694.3
80°	1601.5
82.5°	1501.7
85°	1341.2
87.5°	1128.0
90°	862.1
92.5°	614.5
95°	427.6
97.5°	309.5
100°	237.3
102.5°	197.2
105°	176.5
107.5°	165.1
110°	161.6

REPORT NUMBER: P588478

CATALOG NUMBER: ARC-CA6-60-730-U-55-X-5-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	163.9
115°	168.5
117.5°	166.2
120°	154.8
122.5°	137.6
125°	125.0
127.5°	115.8
130°	108.9
132.5°	102.0
135°	96.3
137.5°	89.4
140°	81.4
142.5°	74.5
145°	68.8
147.5°	61.9
150°	52.7
152.5°	45.9
155°	39.0
157.5°	33.2
160°	26.4
162.5°	20.6
165°	14.9
167.5°	10.3
170°	6.9
172.5°	3.4
175°	2.3
177.5°	3.4
180°	3.4

(END OF REPORT)