

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: P636128

Luminaire Tested: **IFLD-S-SA2A-927-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636128
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-927-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5593.4 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

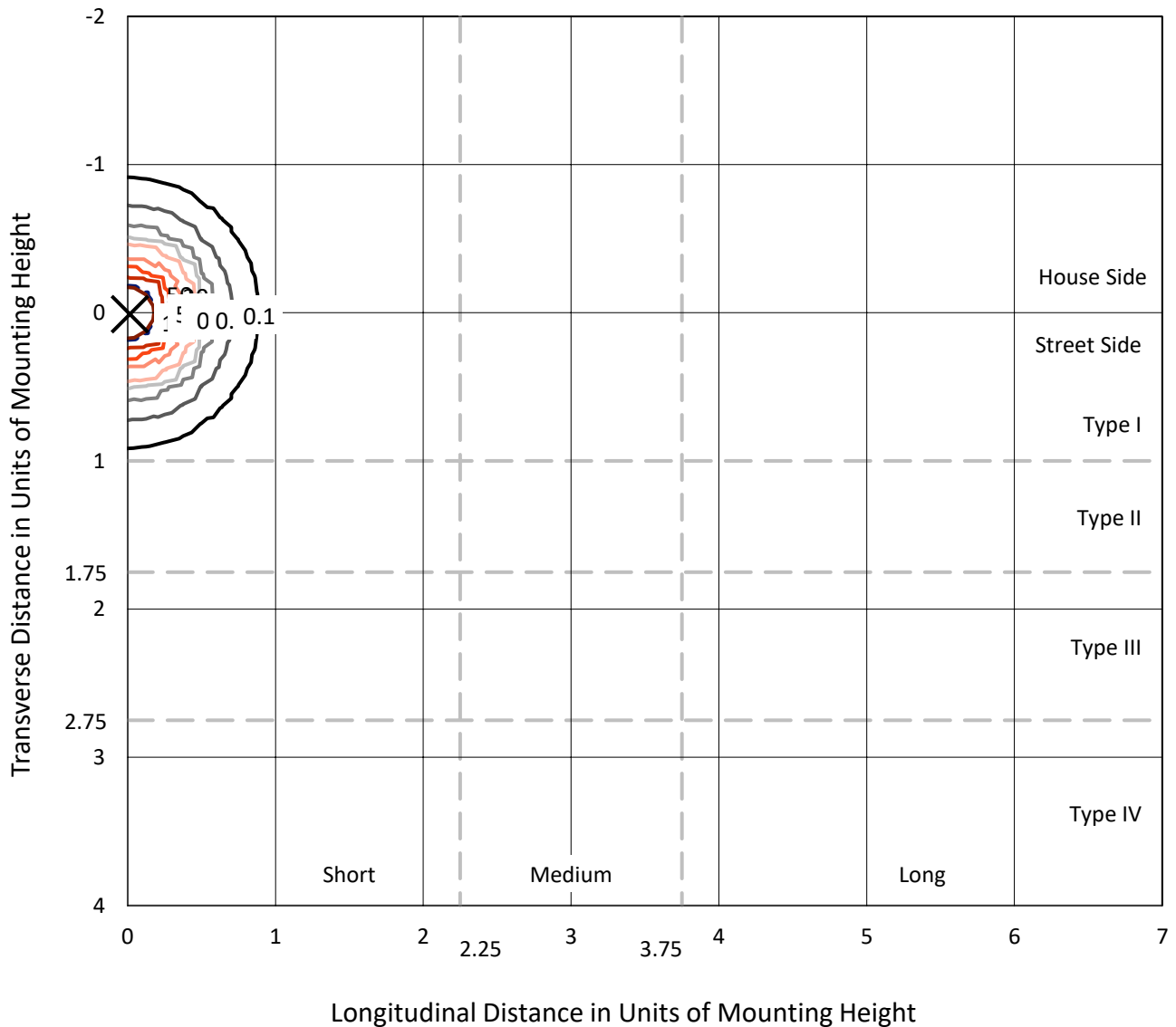
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636128
 CATALOG NUMBER: IFLD-S-SA2A-927-U-33-VI

Iso-Footcandle Lines of Horizontal Illumination

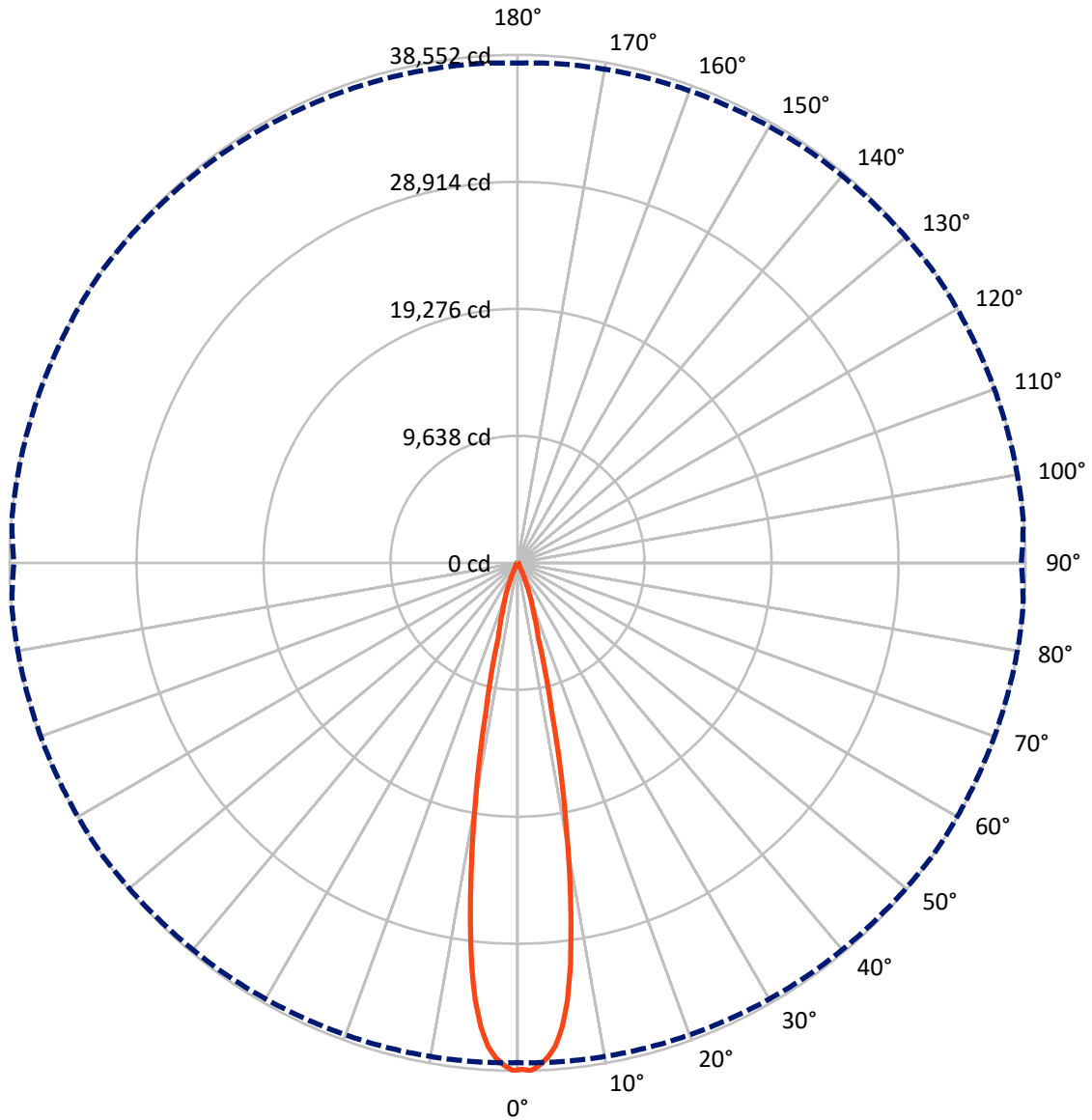
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 96.1 fc
 Type V - Short - N/A

REPORT NUMBER: P636128
CATALOG NUMBER: IFLD-S-SA2A-927-U-33-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636128
 CATALOG NUMBER: IFLD-S-SA2A-927-U-33-VI

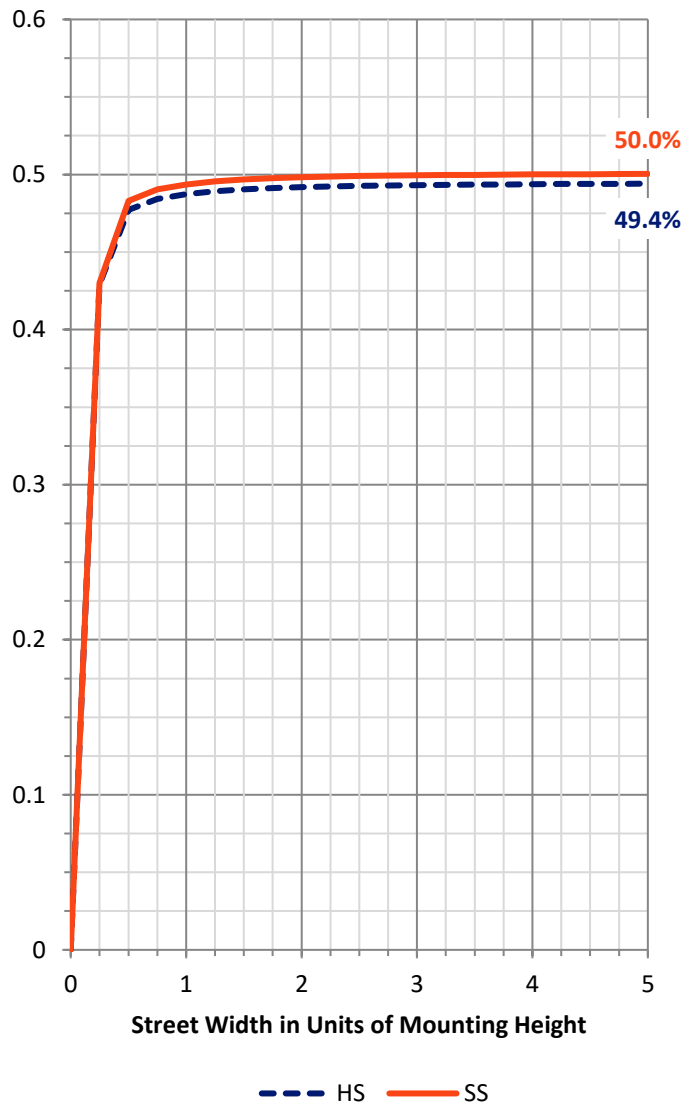
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2796.7	0.0	2796.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2796.7	0.0	2796.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5593.4	0.0	5593.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2841.9	50.8
10°-20°	2014.1	36.0
20°-30°	471.9	8.4
30°-40°	98.6	1.8
40°-50°	63.6	1.1
50°-60°	47.1	0.8
60°-70°	32.0	0.6
70°-80°	17.1	0.3
80°-90°	7.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5593.4	100.0
0°-180°	5593.4	100.0

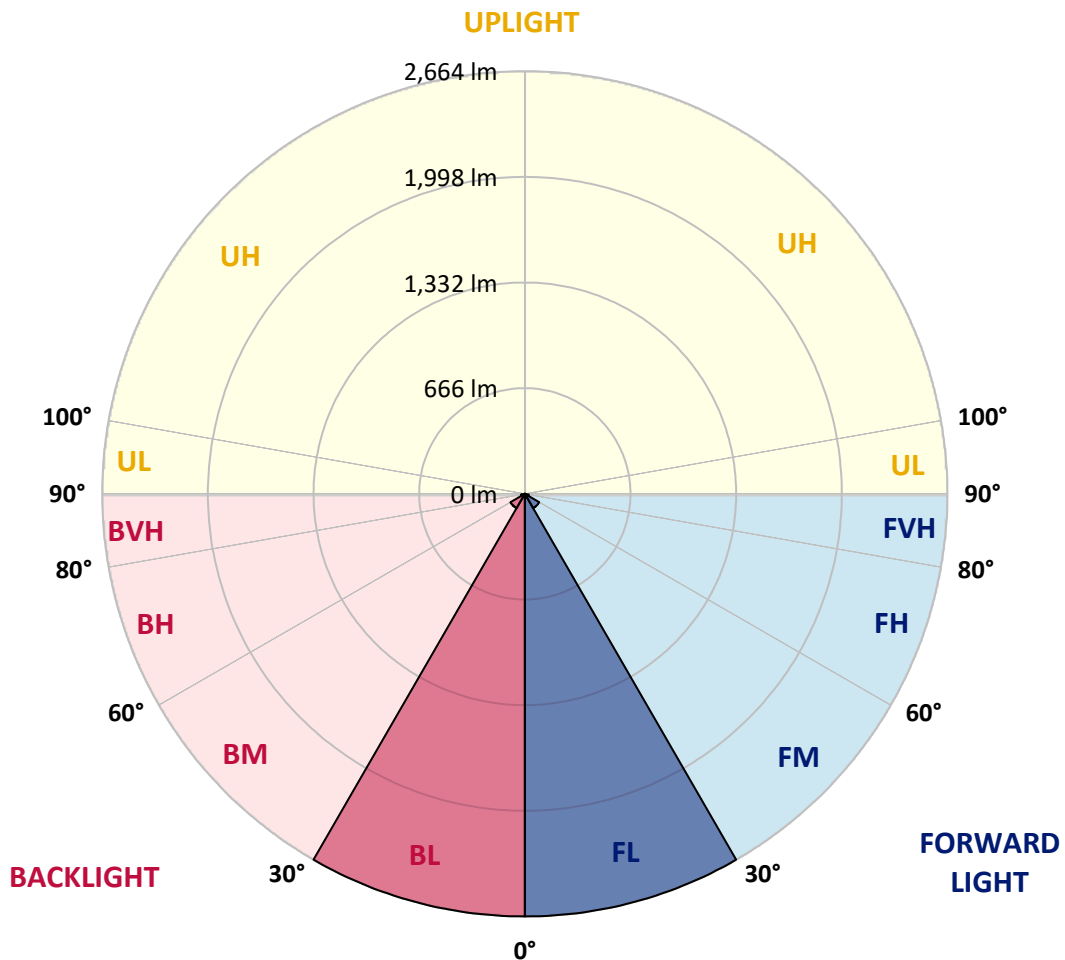


REPORT NUMBER: P636128
 CATALOG NUMBER: IFLD-S-SA2A-927-U-33-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2663.9	47.6			
FM (30°-60°)	104.7	1.9			
FH (60°-80°)	24.6	0.4			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	2663.9	47.6	B4/5000		
BM (30°-60°)	104.7	1.9	B0/220		
BH (60°-80°)	24.6	0.4	B0/110		G0/660
BVH (80°-90°)	3.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





REPORT NUMBER: P636128
 CATALOG NUMBER: IFLD-S-SA2A-927-U-33-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	38452.7	38452.7	38452.7	38452.7	38452.7	38452.7	38452.7	38452.7	38452.7	38452.7
1°	37935.4	38005.6	38091.7	38169.8	38287.5	38383.5	38551.6	38516.0	38511.1	38518.0
2°	37200.4	37288.4	37421.0	37499.1	37802.8	37927.4	38181.7	38256.8	38196.5	38264.8
3°	36099.4	36171.6	36379.4	36532.7	36926.4	37262.7	37603.0	37715.8	37645.5	37677.2
4°	34788.8	34862.9	35114.2	35426.8	35995.6	36368.5	36776.0	36876.9	36647.4	36663.3
5°	33228.8	33263.4	33571.1	33856.0	34536.5	34988.6	35375.3	35407.0	35197.3	35117.2
6°	31474.0	31411.7	31694.6	31815.3	32661.0	33122.0	33404.9	33368.3	33209.0	33140.8
7°	29388.8	29303.7	29532.2	29466.9	30215.7	30478.9	30750.9	30626.3	30499.6	30656.9
8°	26976.1	26928.7	26781.3	27048.4	27196.7	27432.2	27431.2	27359.0	27355.0	27617.1
9°	23468.5	23906.7	23777.1	24057.1	24019.5	24008.6	23936.4	23889.9	23692.0	23993.7
10°	19616.6	19903.5	20122.1	20539.5	20458.4	20573.1	20171.5	20239.8	20108.2	20357.5
12.5°	10154.0	10476.5	10665.4	10983.9	11334.1	11692.2	11576.5	11456.8	11277.7	11497.3
15°	4998.4	5126.0	5186.3	5509.8	5759.1	5849.1	5862.9	5757.1	5711.6	5759.1
17.5°	3067.5	3112.0	3287.1	3659.0	3874.6	3928.1	3893.4	3777.7	3648.1	3593.7
20°	2220.7	2233.6	2299.9	2372.1	2659.9	2810.3	2754.9	2641.1	2521.4	2465.1
22.5°	1450.1	1463.0	1484.8	1524.3	1601.5	1787.5	1727.1	1650.0	1568.9	1552.0
25°	821.0	821.0	843.8	884.3	941.7	955.6	967.4	885.3	847.7	830.9
27.5°	458.0	461.0	465.9	481.7	510.4	507.5	494.6	472.8	447.1	420.4
30°	253.2	256.2	259.2	263.1	268.1	259.2	251.3	247.3	236.4	233.4
32.5°	189.9	189.9	191.9	190.9	186.0	175.1	170.1	176.1	175.1	170.1
35°	156.3	156.3	158.3	162.2	152.3	144.4	140.5	148.4	148.4	145.4
37.5°	127.6	128.6	129.6	134.5	131.6	122.7	121.7	123.6	124.6	123.6
40°	111.8	110.8	110.8	111.8	109.8	107.8	105.8	104.9	105.8	104.9
42.5°	96.9	96.0	97.9	96.0	92.0	93.0	93.0	90.0	91.0	89.0
45°	85.1	84.1	85.1	83.1	80.1	81.1	81.1	77.2	77.2	76.2
47.5°	75.2	75.2	75.2	76.2	71.2	70.2	71.2	70.2	67.3	66.3
50°	65.3	66.3	67.3	69.2	64.3	62.3	62.3	62.3	60.3	59.4
52.5°	60.3	61.3	61.3	61.3	58.4	56.4	56.4	55.4	54.4	53.4
55°	58.4	58.4	58.4	54.4	53.4	52.4	49.5	48.5	47.5	47.5
57.5°	55.4	55.4	54.4	51.4	48.5	48.5	44.5	43.5	42.5	42.5
60°	49.5	49.5	49.5	48.5	44.5	43.5	39.6	37.6	36.6	36.6
62.5°	45.5	45.5	45.5	41.5	40.6	37.6	34.6	31.7	30.7	28.7
65°	41.5	41.5	41.5	37.6	35.6	32.6	28.7	25.7	23.7	20.8
67.5°	38.6	38.6	37.6	34.6	31.7	27.7	23.7	20.8	16.8	14.8
70°	33.6	33.6	32.6	30.7	27.7	24.7	19.8	15.8	12.9	9.9
72.5°	28.7	28.7	27.7	25.7	23.7	20.8	16.8	13.8	8.9	6.9
75°	23.7	23.7	22.8	20.8	19.8	17.8	14.8	10.9	6.9	3.0
77.5°	19.8	19.8	18.8	17.8	16.8	14.8	12.9	8.9	4.9	2.0
80°	14.8	15.8	15.8	15.8	13.8	12.9	11.9	8.9	4.0	1.0
82.5°	10.9	11.9	11.9	11.9	10.9	9.9	10.9	7.9	4.0	1.0
85°	7.9	7.9	8.9	8.9	8.9	8.9	11.9	8.9	3.0	1.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.9	5.9	4.9	2.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
38452.7
38242.0
38005.6
37439.8
36427.8
34950.0
32987.4
30608.4
26890.1
23430.9
19718.5
10902.8
5537.5
3517.6
2421.5
1517.4
817.1
421.4
233.4
167.2
144.4
123.6
105.8
90.0
76.2
66.3
58.4
52.4
46.5
42.5
35.6
26.7
20.8
13.8
9.9
5.9
3.0
1.0
1.0
1.0
1.0
0.0
0.0

OF REPORT)