

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: P636012

Luminaire Tested: **IFLD-S-SA2A-930-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636012
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-930-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5614.5 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

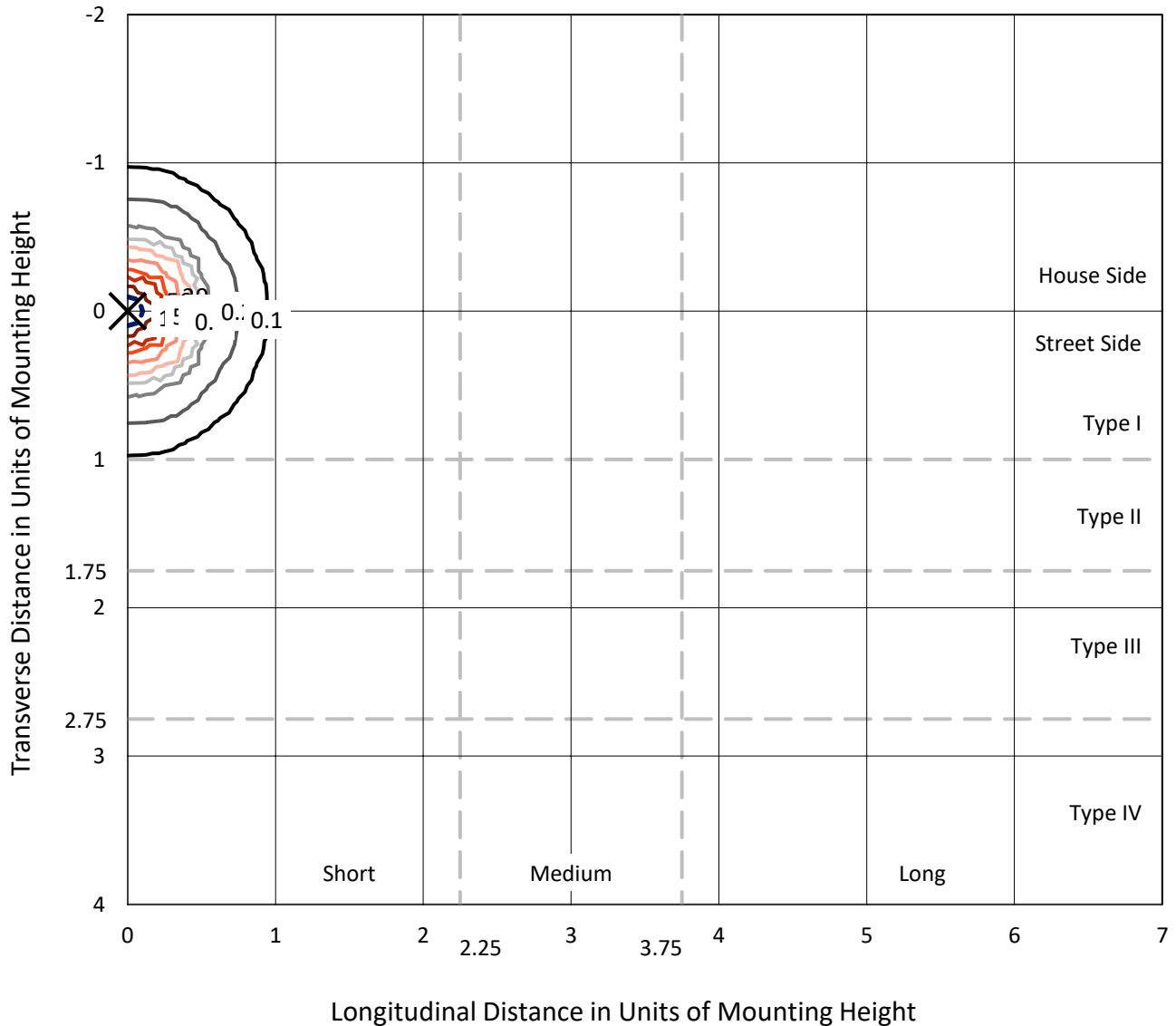
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

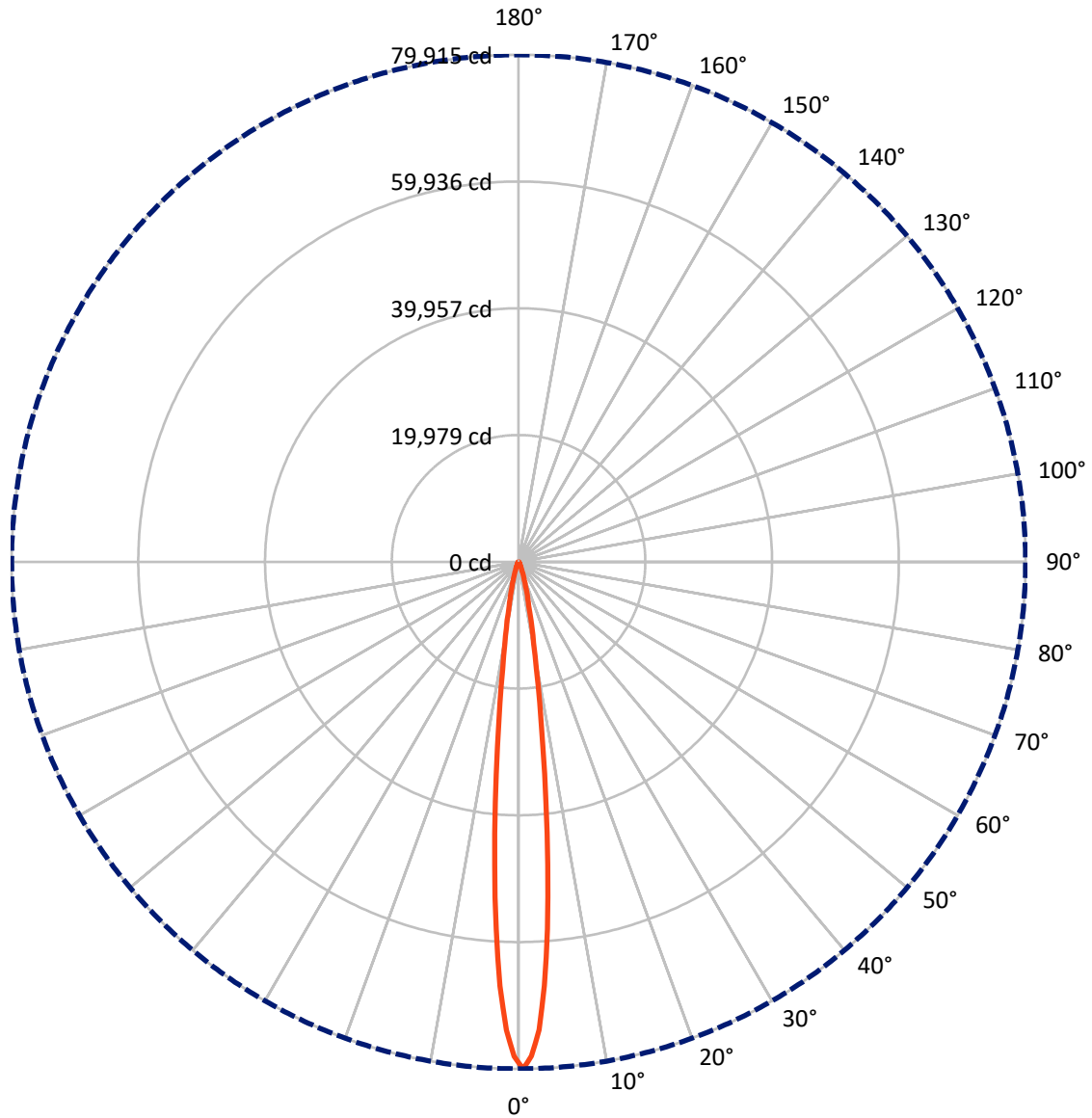
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 199.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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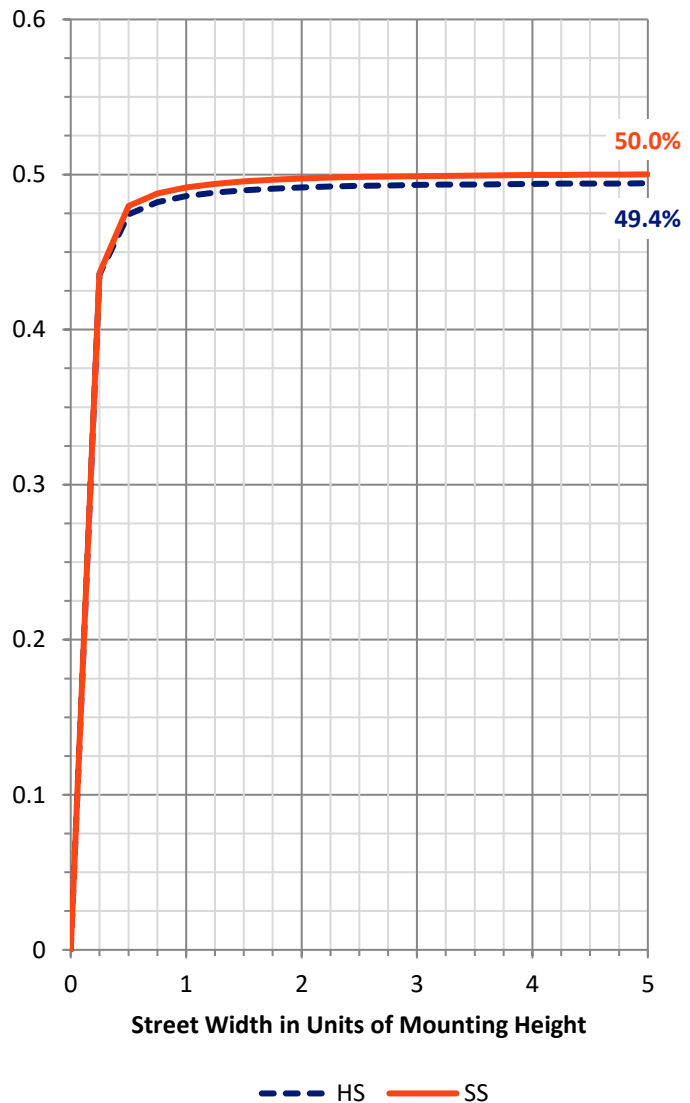
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2807.2	0.0	2807.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2807.2	0.0	2807.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5614.5	0.0	5614.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3422.5	61.0
10°-20°	1533.3	27.3
20°-30°	342.4	6.1
30°-40°	111.8	2.0
40°-50°	77.1	1.4
50°-60°	58.2	1.0
60°-70°	39.9	0.7
70°-80°	21.0	0.4
80°-90°	8.4	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°	5614.5	100.0
0°-180°	5614.5	100.0

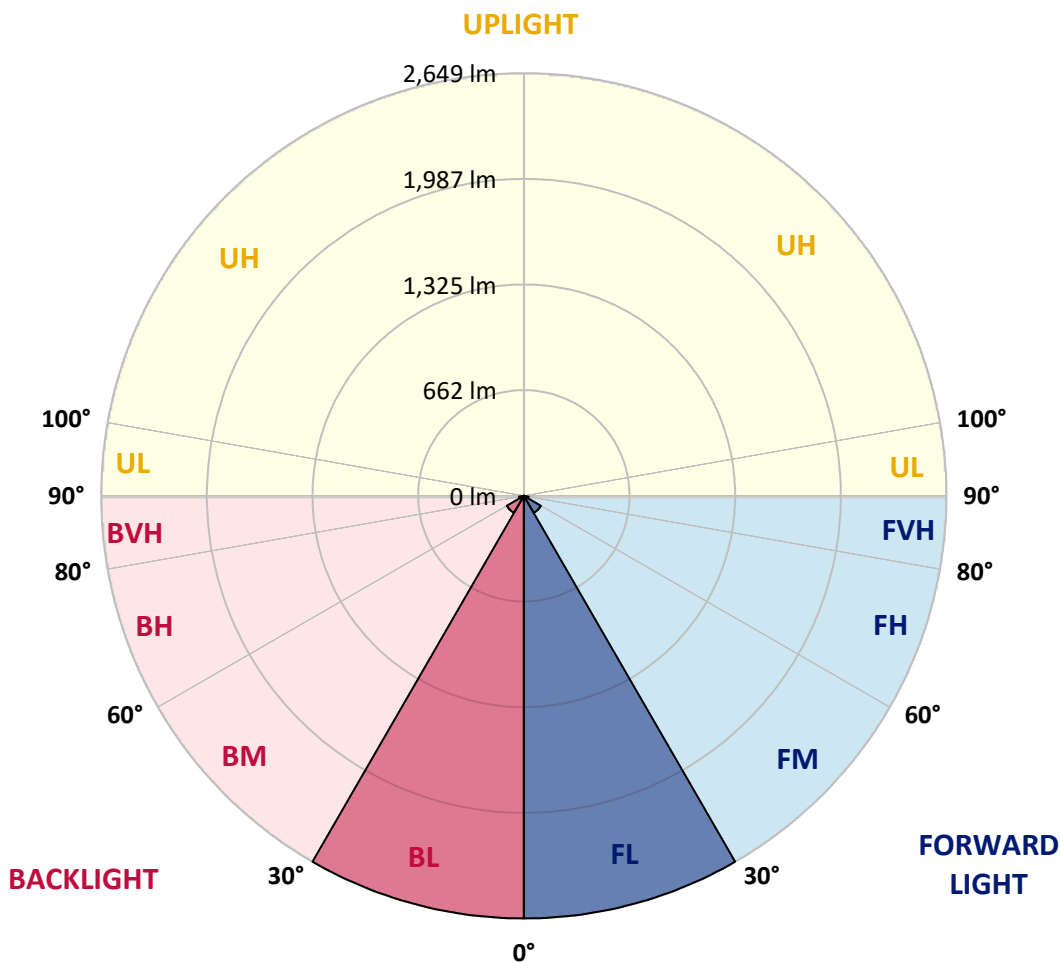


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2649.1	47.2			
FM (30°-60°)	123.5	2.2			
FH (60°-80°)	30.4	0.5			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	2649.1	47.2	B4/5000		
BM (30°-60°)	123.5	2.2	B0/220		
BH (60°-80°)	30.4	0.5	B0/110		G0/660
BVH (80°-90°)	4.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	79914.8	79914.8	79914.8	79914.8	79914.8	79914.8	79914.8	79914.8	79914.8	79914.8
1°	77930.7	78036.7	77918.7	78514.8	78760.8	78888.8	78903.8	79239.8	78980.8	79052.8
2°	73823.5	74059.5	73664.5	74046.5	74810.6	75099.6	74628.6	75210.6	75002.6	75123.6
3°	66922.2	67211.2	66665.2	67132.2	68115.3	68335.3	67563.2	68390.3	68369.3	68543.3
4°	58026.8	58495.8	57715.8	58268.8	58703.8	59469.8	58721.8	59662.9	59644.9	59946.9
5°	47929.3	48436.3	47758.3	48332.3	48744.3	49029.3	48755.3	49796.4	49862.4	50174.4
6°	38048.8	38521.8	37764.8	38312.8	38965.9	39082.9	39011.9	39907.9	40106.9	39863.9
7°	29282.4	29400.4	29281.4	29779.4	30303.5	30322.5	30414.5	31202.5	31377.5	31293.5
8°	22426.1	21886.0	22350.1	22614.1	22776.1	23520.1	23575.1	23972.1	24294.2	24317.2
9°	17070.8	16570.8	17107.8	17212.8	17584.8	18245.9	18162.9	18596.9	18798.9	18785.9
10°	13014.6	12760.6	13029.6	13145.6	13451.6	14011.7	14108.7	14307.7	14457.7	14555.7
12.5°	7062.3	7121.3	7277.3	7399.4	7811.4	7960.4	8020.4	8037.4	8036.4	8052.4
15°	4387.2	4435.2	4544.2	4765.2	5016.2	5201.2	5227.3	5131.2	5048.2	5035.2
17.5°	2736.1	2717.1	2973.1	3215.2	3517.2	3613.2	3513.2	3403.2	3290.2	3225.2
20°	1642.1	1655.1	1742.1	1850.1	2094.1	2260.1	2156.1	2044.1	1927.1	1850.1
22.5°	933.0	947.0	985.0	1041.0	1134.1	1285.1	1219.1	1106.1	1023.0	989.0
25°	551.0	551.0	574.0	599.0	638.0	673.0	659.0	599.0	550.0	536.0
27.5°	357.0	354.0	362.0	374.0	392.0	394.0	378.0	360.0	335.0	326.0
30°	261.0	262.0	261.0	266.0	265.0	258.0	248.0	249.0	239.0	238.0
32.5°	212.0	213.0	213.0	212.0	207.0	196.0	189.0	196.0	194.0	192.0
35°	176.0	177.0	187.0	186.0	178.0	166.0	161.0	169.0	175.0	166.0
37.5°	152.0	153.0	161.0	165.0	155.0	147.0	141.0	148.0	157.0	147.0
40°	134.0	135.0	137.0	138.0	133.0	129.0	126.0	128.0	132.0	127.0
42.5°	118.0	117.0	118.0	117.0	111.0	113.0	111.0	108.0	111.0	107.0
45°	103.0	103.0	103.0	100.0	94.0	98.0	96.0	93.0	94.0	91.0
47.5°	94.0	94.0	94.0	90.0	85.0	85.0	86.0	81.0	82.0	81.0
50°	85.0	85.0	87.0	83.0	79.0	76.0	77.0	73.0	74.0	73.0
52.5°	78.0	78.0	78.0	76.0	73.0	71.0	69.0	67.0	66.0	65.0
55°	75.0	75.0	74.0	68.0	67.0	65.0	61.0	60.0	58.0	57.0
57.5°	70.0	70.0	69.0	64.0	60.0	60.0	54.0	53.0	50.0	50.0
60°	62.0	62.0	61.0	60.0	55.0	52.0	48.0	46.0	43.0	42.0
62.5°	59.0	59.0	57.0	52.0	51.0	46.0	42.0	38.0	36.0	34.0
65°	55.0	54.0	53.0	48.0	44.0	41.0	36.0	31.0	29.0	25.0
67.5°	49.0	49.0	48.0	44.0	40.0	35.0	30.0	26.0	21.0	18.0
70°	43.0	42.0	42.0	38.0	35.0	31.0	24.0	20.0	15.0	12.0
72.5°	36.0	36.0	35.0	32.0	30.0	27.0	21.0	16.0	10.0	8.0
75°	29.0	29.0	28.0	26.0	25.0	22.0	18.0	14.0	8.0	4.0
77.5°	24.0	23.0	23.0	21.0	20.0	18.0	15.0	11.0	6.0	3.0
80°	18.0	18.0	19.0	18.0	16.0	15.0	13.0	10.0	5.0	2.0
82.5°	13.0	13.0	14.0	14.0	14.0	13.0	13.0	10.0	5.0	1.0
85°	9.0	9.0	11.0	10.0	10.0	11.0	16.0	13.0	4.0	1.0
87.5°	5.0	5.0	5.0	4.0	4.0	5.0	6.0	5.0	2.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
79914.8
78523.8
74691.6
68076.3
59416.8
49578.4
39888.9
31178.5
24027.2
19091.9
14613.7
8065.4
4995.2
3215.2
1867.1
993.0
534.0
326.0
237.0
188.0
164.0
146.0
125.0
107.0
91.0
81.0
73.0
65.0
56.0
50.0
40.0
33.0
24.0
18.0
12.0
7.0
4.0
2.0
1.0
1.0
1.0
1.0
0.0

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