

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: P636279

Luminaire Tested: **IFLD-S-SA3B-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636279
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10071.4 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

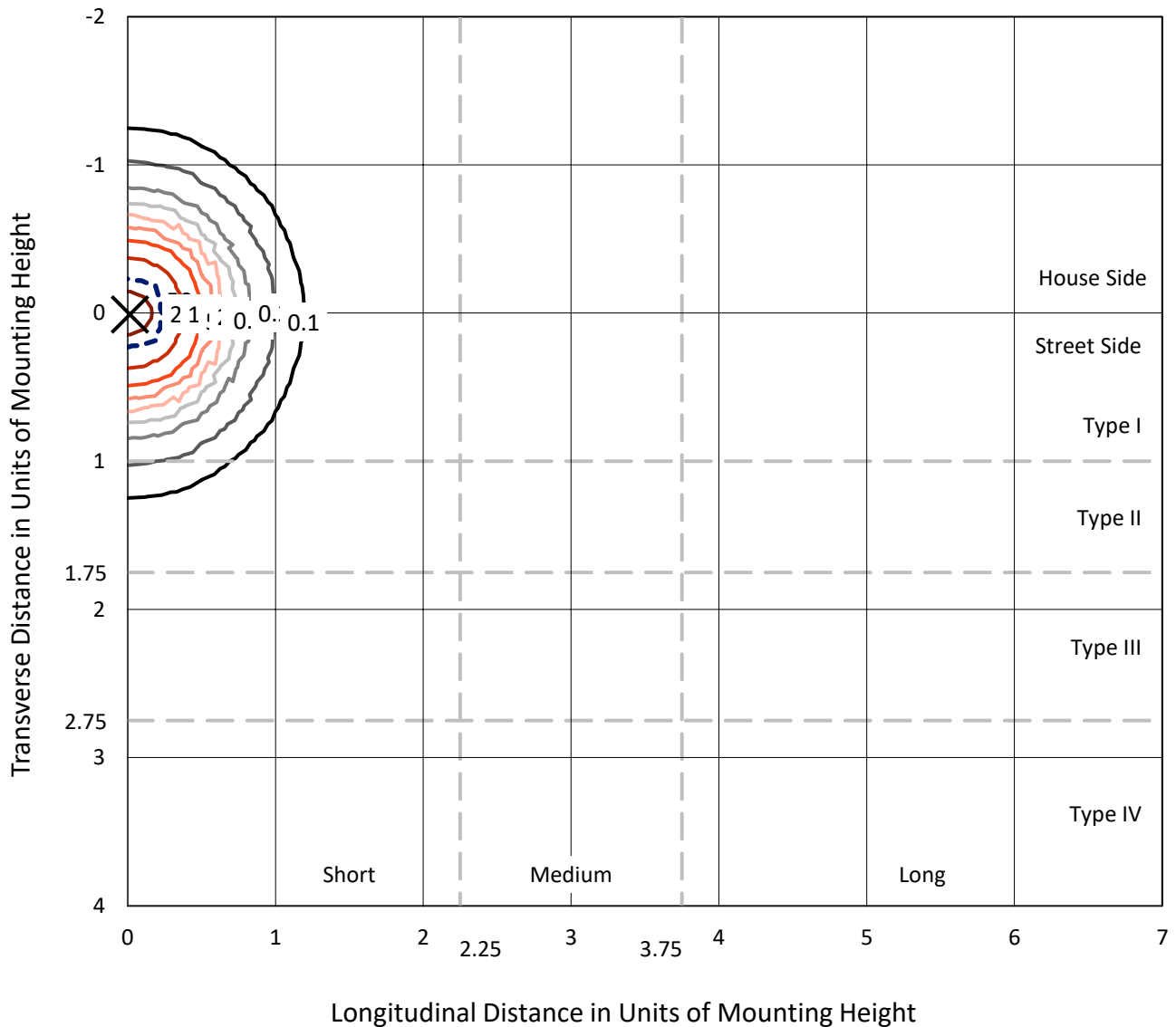
Input Watts (W): 122.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

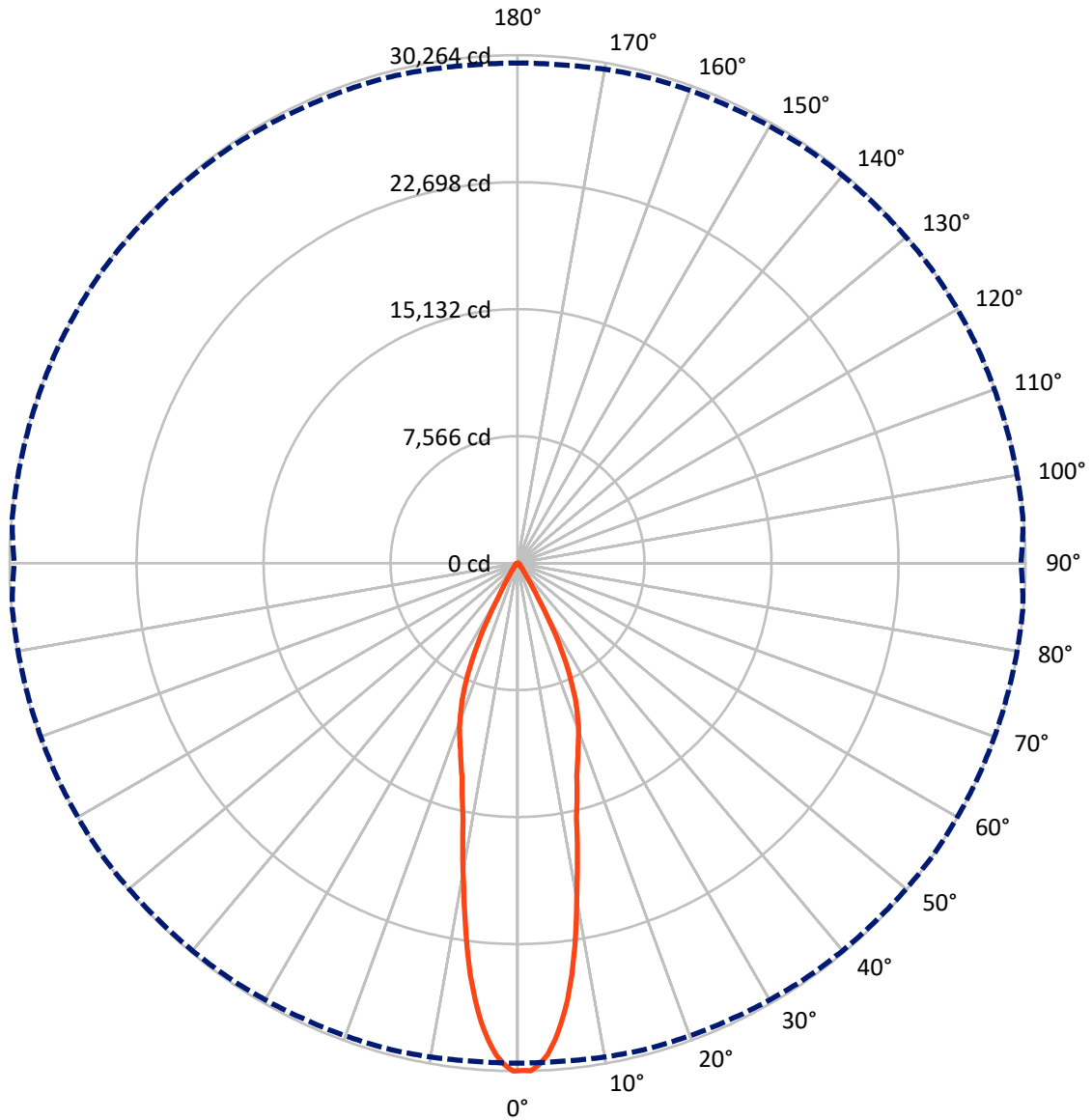
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 75.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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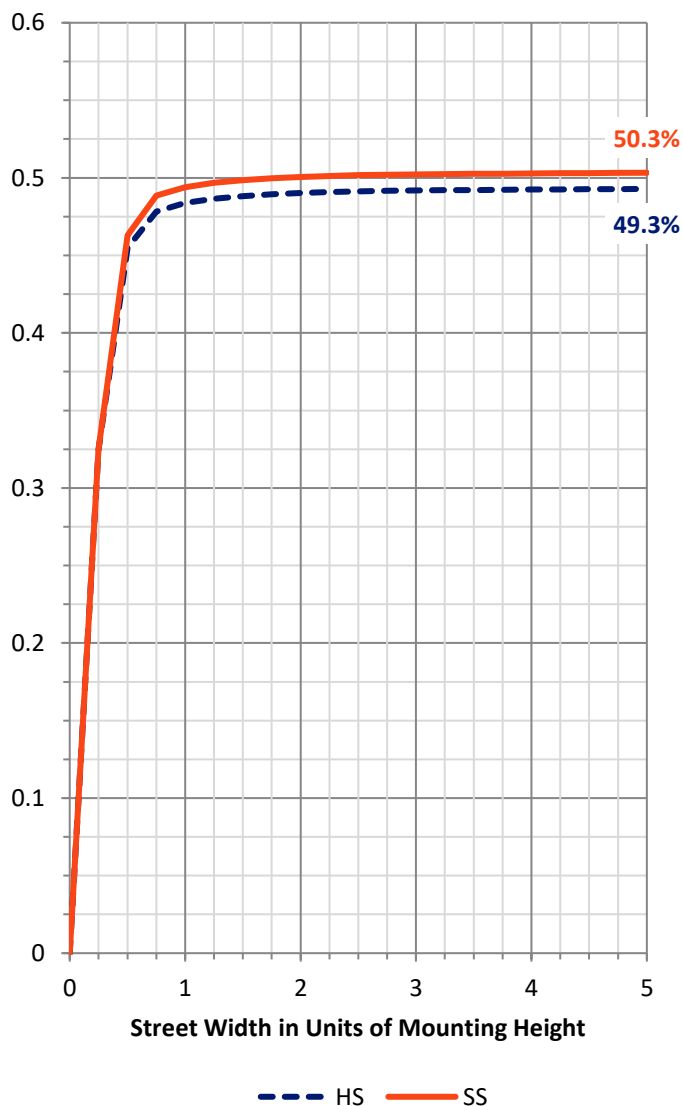
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5035.7	0.0	5035.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5035.7	0.0	5035.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	10071.4	0.0	10071.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2300.0	22.8
10°-20°	3756.6	37.3
20°-30°	2935.5	29.1
30°-40°	639.9	6.4
40°-50°	189.4	1.9
50°-60°	118.5	1.2
60°-70°	82.9	0.8
70°-80°	35.6	0.4
80°-90°	13.1	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°	10071.4	100.0
0°-180°	10071.4	100.0



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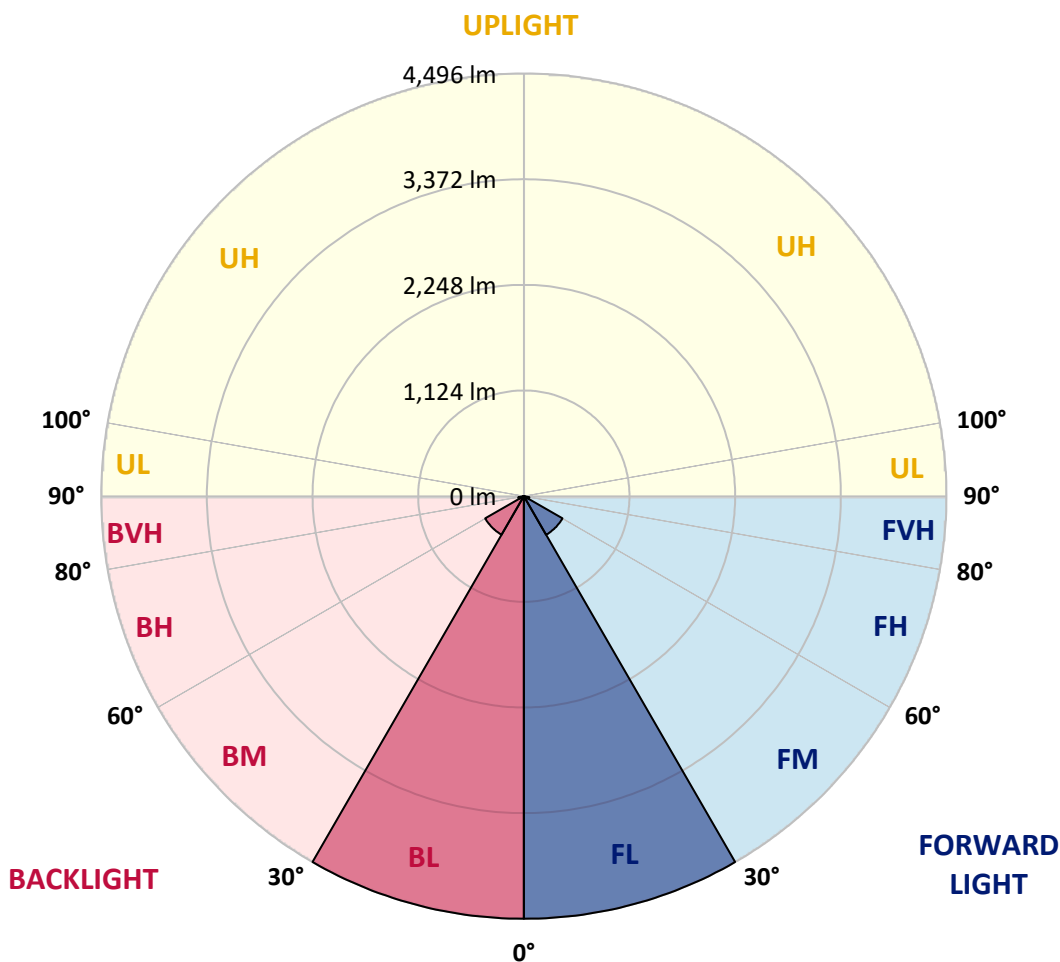
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4496.0	44.6			
FM (30°-60°)	473.9	4.7			
FH (60°-80°)	59.2	0.6			G0/660
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	4496.0	44.6	B4/5000		
BM (30°-60°)	473.9	4.7	B1/1000		
BH (60°-80°)	59.2	0.6	B0/110		G0/660
BVH (80°-90°)	6.6	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°	30229.5	30229.5	30229.5	30229.5	30229.5	30229.5	30229.5	30229.5	30229.5	30229.5
1°	29791.9	29795.6	29957.8	29994.3	30105.5	30162.0	30264.1	30253.2	30222.2	30225.8
2°	29243.1	29219.4	29370.7	29538.5	29671.6	29781.0	29903.1	29928.7	29899.5	29926.8
3°	28340.6	28306.0	28517.5	28727.1	28958.7	29146.5	29330.6	29337.9	29303.3	29301.5
4°	27153.7	27089.9	27341.5	27715.2	28006.9	28256.7	28486.5	28482.8	28435.4	28473.7
5°	25718.8	25638.5	25964.9	26457.2	26889.3	27190.1	27443.6	27383.4	27274.0	27279.5
6°	23957.5	24035.9	24435.2	25126.2	25636.7	25886.5	26198.3	26085.2	25895.6	25875.6
7°	22302.0	22478.9	22797.9	23631.1	24238.3	24500.8	24765.2	24537.3	24280.2	24238.3
8°	20559.0	20854.3	21295.6	22063.2	22710.4	22974.8	23075.1	22830.7	22555.4	22544.5
9°	19146.0	19348.3	19727.6	20404.0	21062.2	21239.0	21260.9	21047.6	20772.3	20790.5
10°	17860.6	17898.8	18227.0	18808.7	19335.6	19461.4	19455.9	19300.9	19074.8	19135.0
12.5°	14983.5	15087.4	15182.2	15368.2	15545.0	15627.1	15596.1	15532.3	15408.3	15413.8
15°	13030.8	13028.9	13039.9	13125.6	13178.5	13187.6	13187.6	13107.3	13054.5	13132.9
17.5°	11307.8	11402.6	11572.2	11641.5	11710.7	11685.2	11637.8	11601.3	11566.7	11634.2
20°	9967.7	10009.6	10011.5	10057.0	10407.1	10425.3	10365.2	10261.3	10173.7	10157.3
22.5°	8459.9	8523.7	8551.0	8591.2	8627.6	8893.8	8822.7	8655.0	8551.0	8520.0
25°	6350.4	6328.5	6507.2	6835.4	6888.2	6921.1	6902.8	6815.3	6747.8	6760.6
27.5°	4388.6	4426.9	4419.6	4423.2	4771.4	4769.6	4764.2	4687.6	4667.5	4638.3
30°	2454.1	2435.9	2445.0	2421.3	2372.0	2432.2	2335.6	2417.6	2337.4	2362.9
32.5°	1451.3	1438.5	1425.8	1431.3	1394.8	1305.4	1267.2	1323.7	1305.4	1298.2
35°	926.2	931.7	948.1	946.3	913.4	862.4	807.7	858.8	851.5	829.6
37.5°	590.7	590.7	596.2	643.6	616.3	572.5	534.2	556.1	554.3	550.6
40°	419.3	419.3	426.6	439.4	424.8	402.9	381.1	381.1	384.7	373.8
42.5°	311.8	311.8	319.1	326.4	308.1	300.8	289.9	282.6	291.7	282.6
45°	244.3	242.5	244.3	240.7	229.7	229.7	220.6	209.7	220.6	215.1
47.5°	200.6	198.7	196.9	189.6	178.7	180.5	176.9	167.7	173.2	171.4
50°	175.0	171.4	173.2	165.9	156.8	155.0	155.0	145.9	147.7	147.7
52.5°	153.2	153.2	151.3	147.7	144.0	136.7	138.6	129.5	129.5	129.5
55°	144.0	144.0	140.4	133.1	134.9	129.5	124.0	118.5	116.7	116.7
57.5°	142.2	142.2	140.4	133.1	127.6	125.8	118.5	111.2	105.7	107.6
60°	138.6	138.6	134.9	133.1	124.0	120.3	109.4	103.9	96.6	96.6
62.5°	133.1	131.3	124.0	113.0	113.0	103.9	96.6	85.7	80.2	78.4
65°	113.0	111.2	105.7	96.6	91.2	85.7	74.8	63.8	60.2	54.7
67.5°	93.0	93.0	89.3	80.2	76.6	69.3	56.5	49.2	40.1	36.5
70°	76.6	76.6	72.9	67.5	63.8	54.7	43.8	36.5	27.3	23.7
72.5°	62.0	62.0	58.3	54.7	51.1	45.6	36.5	27.3	18.2	14.6
75°	49.2	49.2	47.4	43.8	40.1	36.5	29.2	21.9	12.8	7.3
77.5°	40.1	40.1	38.3	36.5	32.8	29.2	23.7	18.2	9.1	3.6
80°	31.0	31.0	31.0	31.0	27.3	23.7	20.1	14.6	7.3	1.8
82.5°	21.9	21.9	23.7	27.3	21.9	18.2	18.2	14.6	5.5	1.8
85°	14.6	16.4	18.2	16.4	14.6	14.6	25.5	23.7	5.5	1.8
87.5°	7.3	7.3	7.3	7.3	7.3	5.5	7.3	5.5	3.6	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°
30229.5
30001.6
29711.7
29142.8
28293.2
27013.3
25609.4
24039.6
22145.2
20518.9
18923.5
15233.3
12950.5
11479.2
10051.6
8408.8
6716.9
4532.6
2393.9
1279.9
805.9
543.3
370.1
280.8
215.1
171.4
149.5
129.5
114.9
107.6
91.2
74.8
52.9
34.6
21.9
12.8
5.5
3.6
1.8
1.8
1.8
0.0
0.0

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