

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: P636308

Luminaire Tested: **IFLD-S-SA3B-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636308  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-930-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (48) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10181.2 lumens  
Efficiency: N/A  
Efficacy: 83.2 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

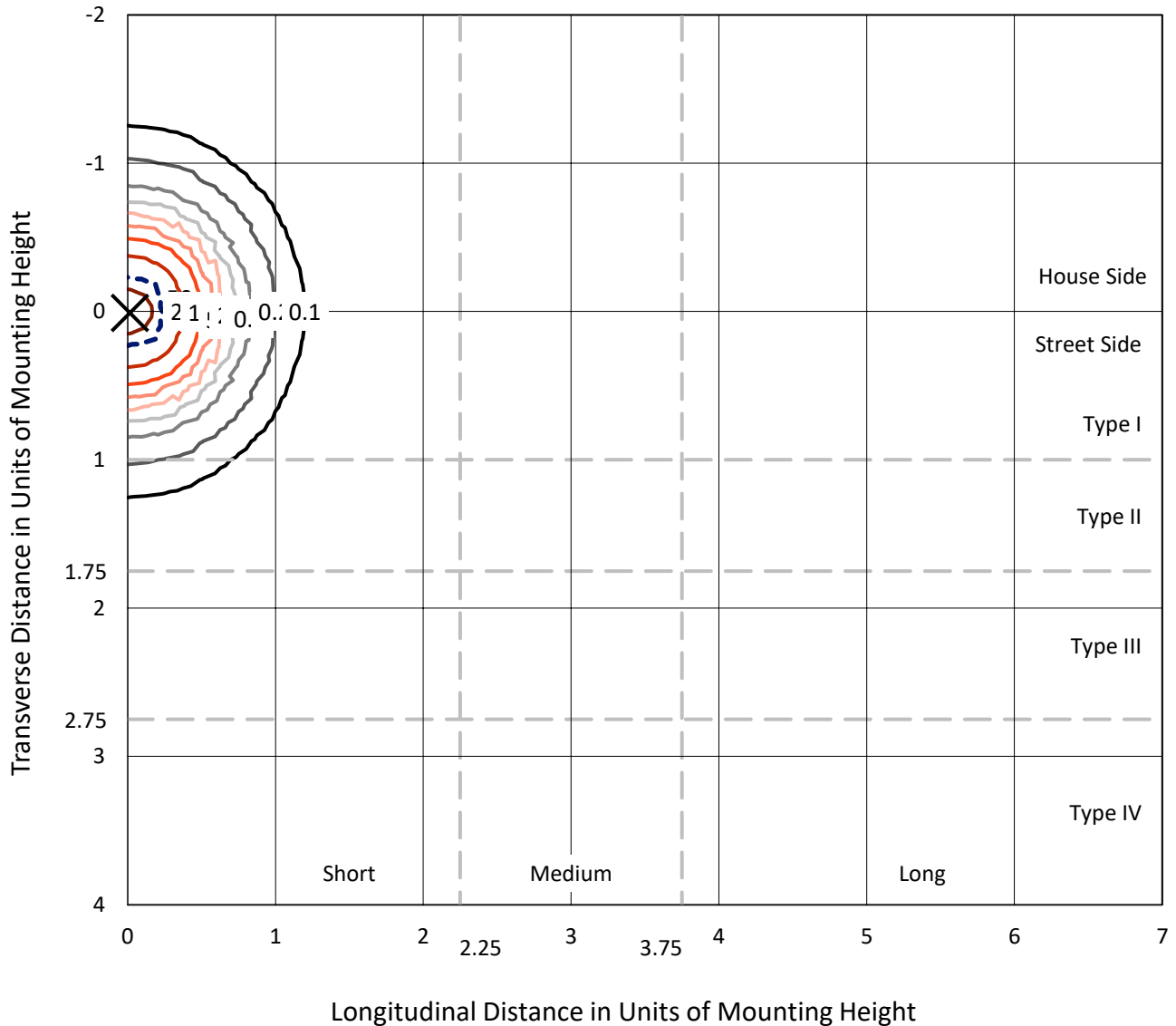
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

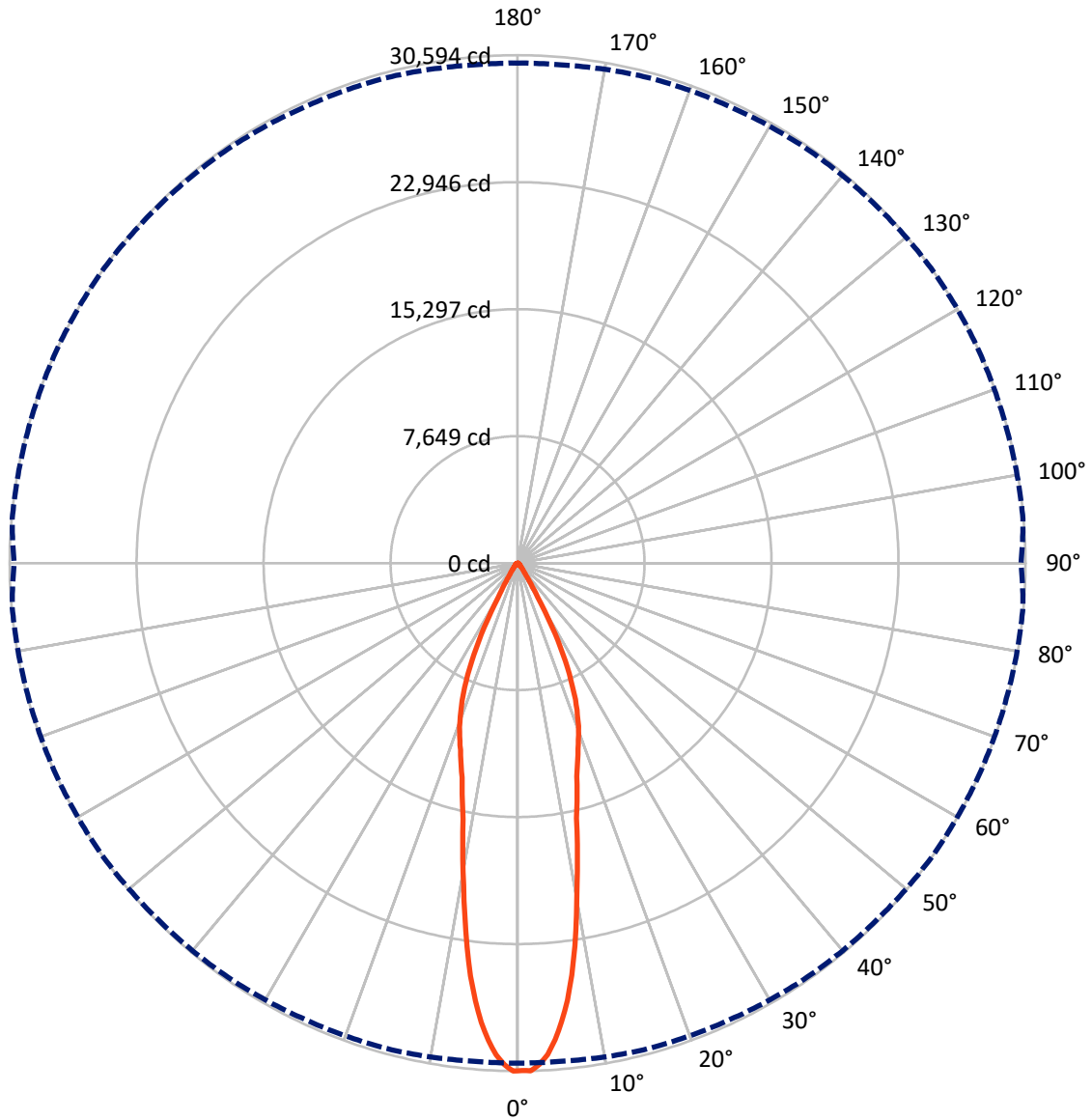
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 76.4 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
<b>House Side</b>	Lumens	5090.6	0.0	5090.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5090.6	0.0	5090.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10181.2	0.0	10181.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2325.1	22.8
10°-20°	3797.5	37.3
20°-30°	2967.5	29.1
30°-40°	646.8	6.4
40°-50°	191.5	1.9
50°-60°	119.8	1.2
60°-70°	83.8	0.8
70°-80°	35.9	0.4
80°-90°	13.3	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°	10181.2	100.0
0°-180°	10181.2	100.0



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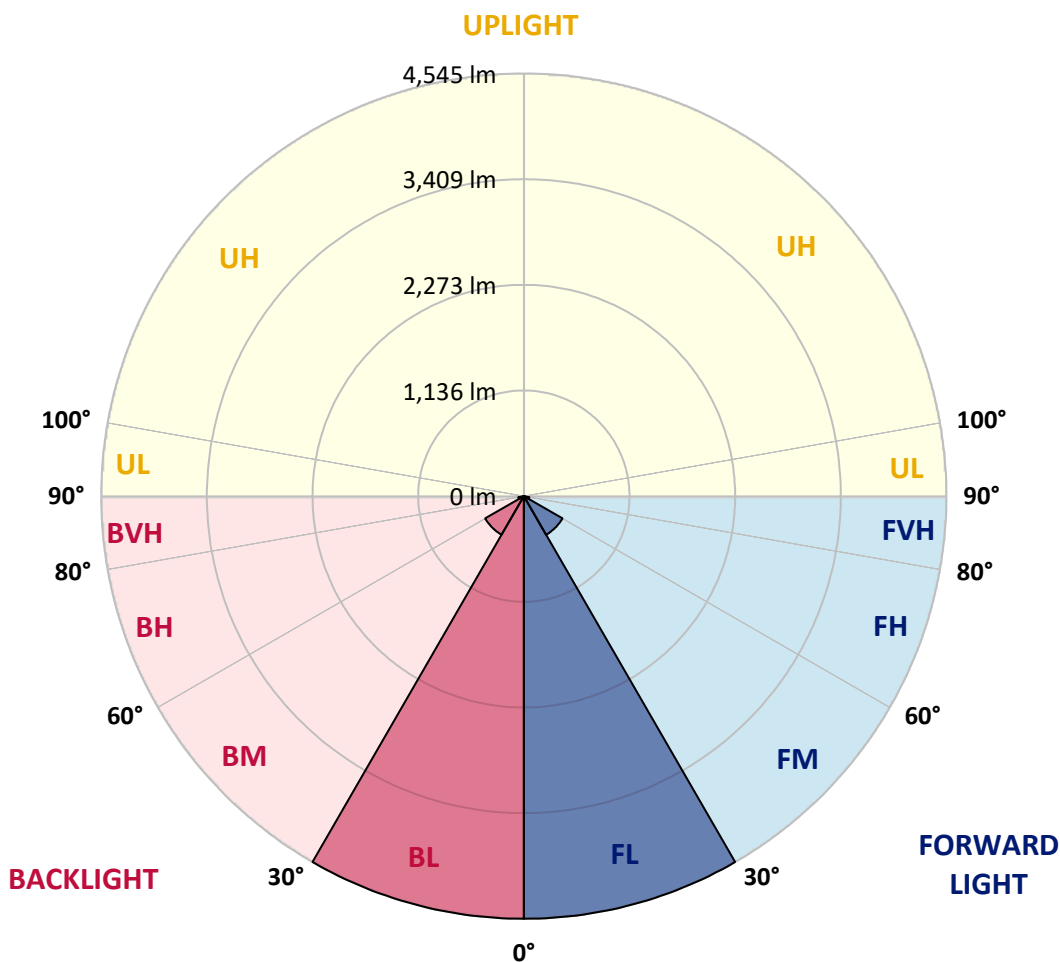
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4545.0	44.6			
FM (30°-60°)	479.1	4.7			
FH (60°-80°)	59.9	0.6			G0/660
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	4545.0	44.6	B4/5000		
BM (30°-60°)	479.1	4.7	B1/1000		
BH (60°-80°)	59.9	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°	30559.0	30559.0	30559.0	30559.0	30559.0	30559.0	30559.0	30559.0	30559.0	30559.0
1°	30116.6	30120.3	30284.3	30321.2	30433.6	30490.8	30594.0	30582.9	30551.6	30555.3
2°	29561.8	29537.9	29690.8	29860.4	29995.0	30105.5	30229.0	30254.8	30225.4	30253.0
3°	28649.5	28614.5	28828.3	29040.2	29274.3	29464.1	29650.3	29657.7	29622.7	29620.8
4°	27449.6	27385.1	27639.5	28017.3	28312.2	28564.7	28796.9	28793.2	28745.3	28784.0
5°	25999.1	25918.0	26247.9	26745.5	27182.4	27486.5	27742.7	27681.8	27571.3	27576.8
6°	24218.6	24297.9	24701.5	25400.1	25916.1	26168.6	26483.8	26369.5	26177.9	26157.6
7°	22545.1	22723.8	23046.4	23888.7	24502.5	24767.9	25035.1	24804.7	24544.9	24502.5
8°	20783.0	21081.6	21527.7	22303.6	22957.9	23225.2	23326.5	23079.6	22801.3	22790.2
9°	19354.6	19559.2	19942.6	20626.4	21291.7	21470.5	21492.6	21277.0	20998.7	21017.1
10°	18055.2	18093.9	18425.7	19013.6	19546.3	19673.5	19668.0	19511.3	19282.7	19343.6
12.5°	15146.8	15251.8	15347.7	15535.7	15714.5	15797.4	15766.1	15701.6	15576.2	15581.7
15°	13172.8	13170.9	13182.0	13268.6	13322.1	13331.3	13331.3	13250.2	13196.8	13276.0
17.5°	11431.0	11526.9	11698.3	11768.3	11838.4	11812.6	11764.6	11727.8	11692.8	11761.0
20°	10076.3	10118.7	10120.6	10166.7	10520.5	10539.0	10478.1	10373.1	10284.6	10268.0
22.5°	8552.1	8616.6	8644.2	8684.8	8721.7	8990.7	8918.9	8749.3	8644.2	8612.9
25°	6419.6	6397.5	6578.1	6909.9	6963.3	6996.5	6978.1	6889.6	6821.4	6834.3
27.5°	4436.4	4475.1	4467.7	4471.4	4823.4	4821.6	4816.1	4738.7	4718.4	4688.9
30°	2480.8	2462.4	2471.6	2447.7	2397.9	2458.7	2361.0	2444.0	2362.9	2388.7
32.5°	1467.1	1454.2	1441.3	1446.9	1410.0	1319.7	1281.0	1338.1	1319.7	1312.3
35°	936.3	941.8	958.4	956.6	923.4	871.8	816.5	868.1	860.7	838.6
37.5°	597.2	597.2	602.7	650.6	623.0	578.7	540.0	562.2	560.3	556.6
40°	423.9	423.9	431.3	444.2	429.4	407.3	385.2	385.2	388.9	377.8
42.5°	315.2	315.2	322.5	329.9	311.5	304.1	293.1	285.7	294.9	285.7
45°	247.0	245.1	247.0	243.3	232.2	232.2	223.0	212.0	223.0	217.5
47.5°	202.7	200.9	199.1	191.7	180.6	182.5	178.8	169.6	175.1	173.3
50°	176.9	173.3	175.1	167.7	158.5	156.7	156.7	147.4	149.3	149.3
52.5°	154.8	154.8	153.0	149.3	145.6	138.2	140.1	130.9	130.9	130.9
55°	145.6	145.6	141.9	134.5	136.4	130.9	125.3	119.8	118.0	118.0
57.5°	143.8	143.8	141.9	134.5	129.0	127.2	119.8	112.4	106.9	108.7
60°	140.1	140.1	136.4	134.5	125.3	121.6	110.6	105.1	97.7	97.7
62.5°	134.5	132.7	125.3	114.3	114.3	105.1	97.7	86.6	81.1	79.3
65°	114.3	112.4	106.9	97.7	92.2	86.6	75.6	64.5	60.8	55.3
67.5°	94.0	94.0	90.3	81.1	77.4	70.0	57.1	49.8	40.5	36.9
70°	77.4	77.4	73.7	68.2	64.5	55.3	44.2	36.9	27.6	24.0
72.5°	62.7	62.7	59.0	55.3	51.6	46.1	36.9	27.6	18.4	14.7
75°	49.8	49.8	47.9	44.2	40.5	36.9	29.5	22.1	12.9	7.4
77.5°	40.5	40.5	38.7	36.9	33.2	29.5	24.0	18.4	9.2	3.7
80°	31.3	31.3	31.3	31.3	27.6	24.0	20.3	14.7	7.4	1.8
82.5°	22.1	22.1	24.0	27.6	22.1	18.4	18.4	14.7	5.5	1.8
85°	14.7	16.6	18.4	16.6	14.7	14.7	25.8	24.0	5.5	1.8
87.5°	7.4	7.4	7.4	7.4	7.4	5.5	7.4	5.5	3.7	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°  
30559.0  
30328.6  
30035.5  
29460.5  
28601.6  
27307.7  
25888.5  
24301.6  
22386.6  
20742.5  
19129.8  
15399.3  
13091.7  
11604.3  
10161.1  
8500.5  
6790.1  
4582.0  
2420.0  
1293.9  
814.7  
549.3  
374.2  
283.8  
217.5  
173.3  
151.1  
130.9  
116.1  
108.7  
92.2  
75.6  
53.5  
35.0  
22.1  
12.9  
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