

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: P636394

Luminaire Tested: **IFLD-S-SA3A-950-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636394  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-950-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (48) 5000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9294.7 lumens  
Efficiency: N/A  
Efficacy: 98.0 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

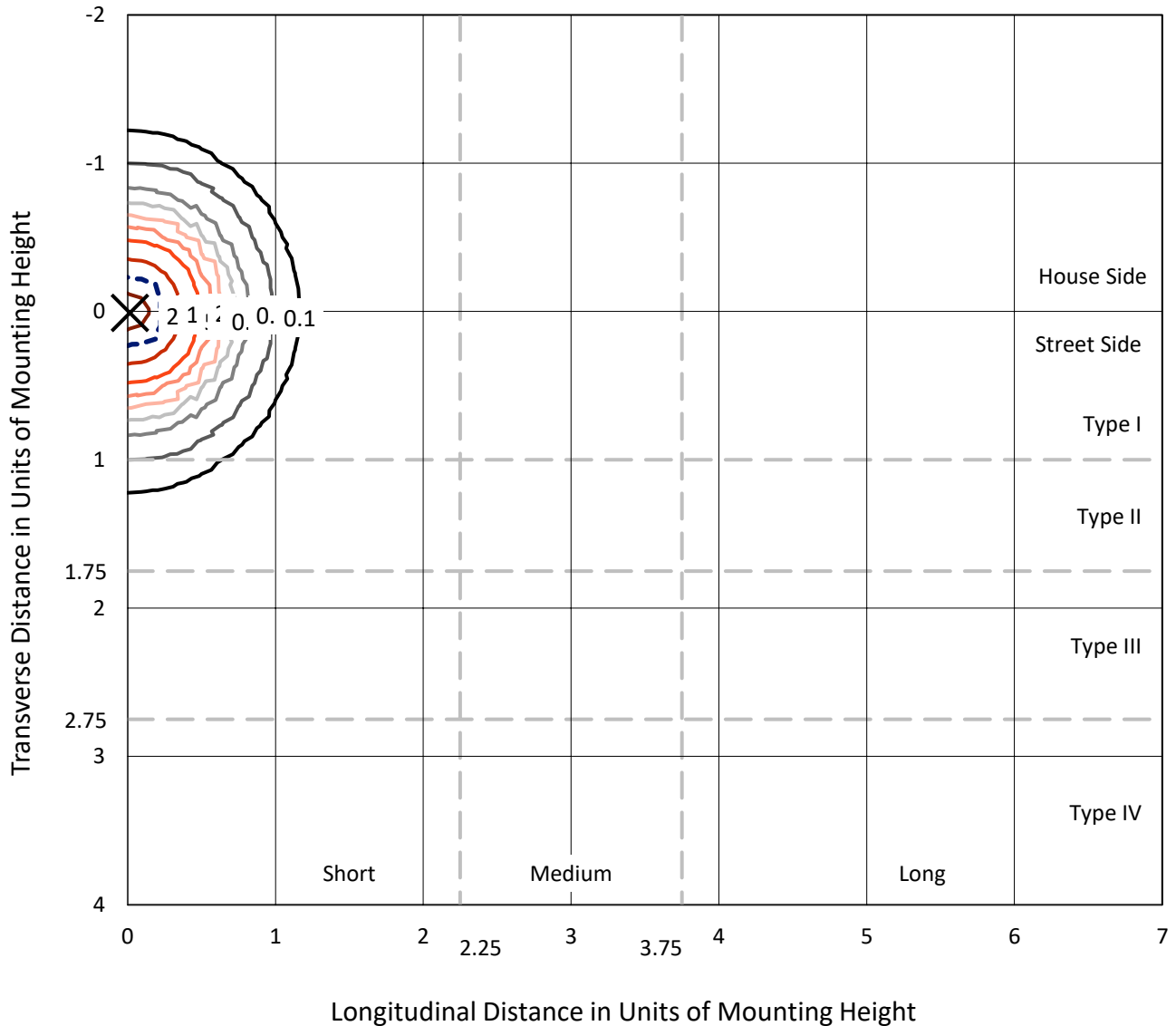
Input Watts (W): 94.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

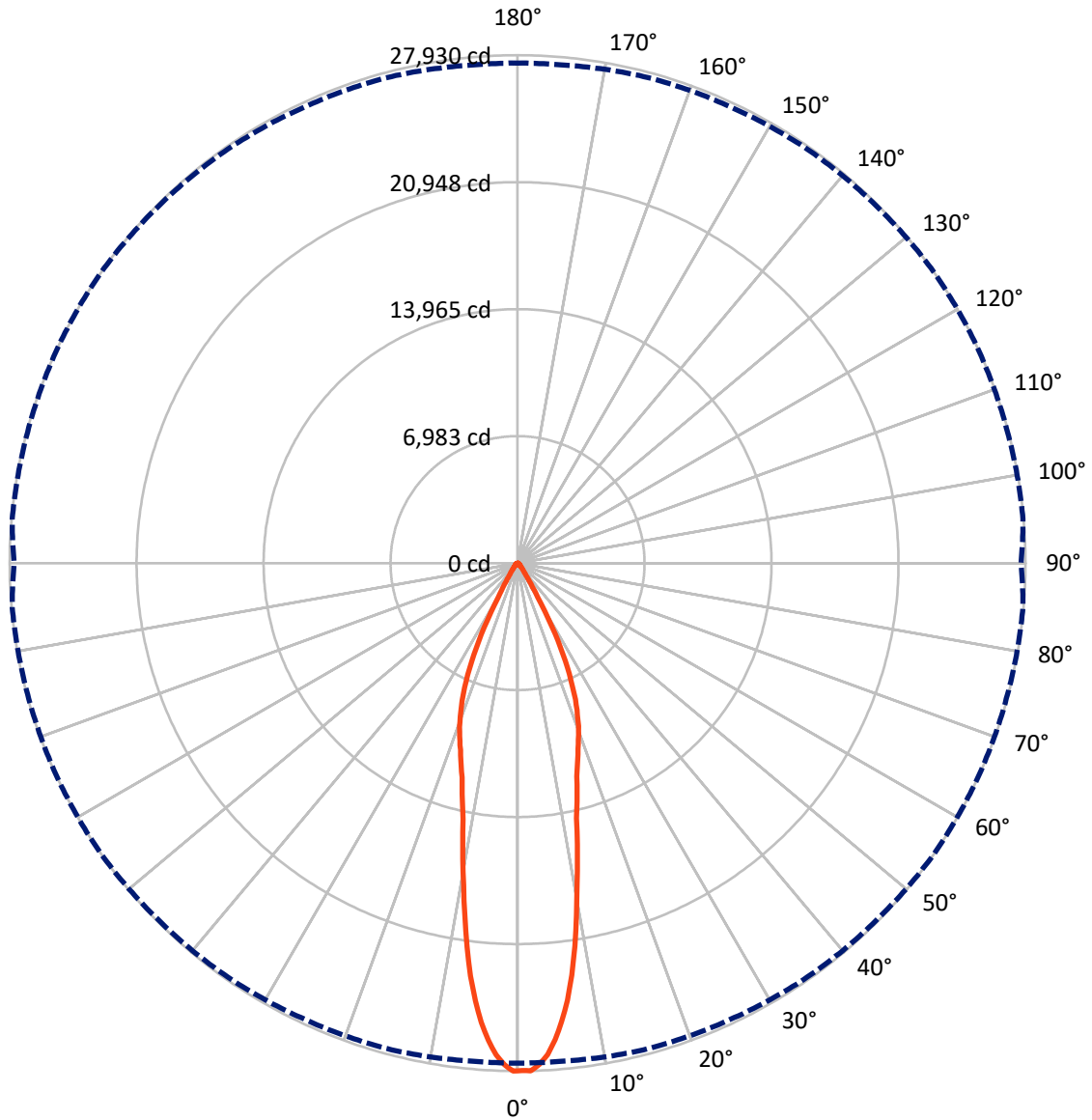
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 69.7 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	4647.3	0.0	4647.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4647.3	0.0	4647.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9294.7	0.0	9294.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2122.6	22.8
10°-20°	3466.8	37.3
20°-30°	2709.1	29.1
30°-40°	590.5	6.4
40°-50°	174.8	1.9
50°-60°	109.4	1.2
60°-70°	76.5	0.8
70°-80°	32.8	0.4
80°-90°	12.1	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°	9294.7	100.0
0°-180°	9294.7	100.0



REPORT NUMBER: P636394

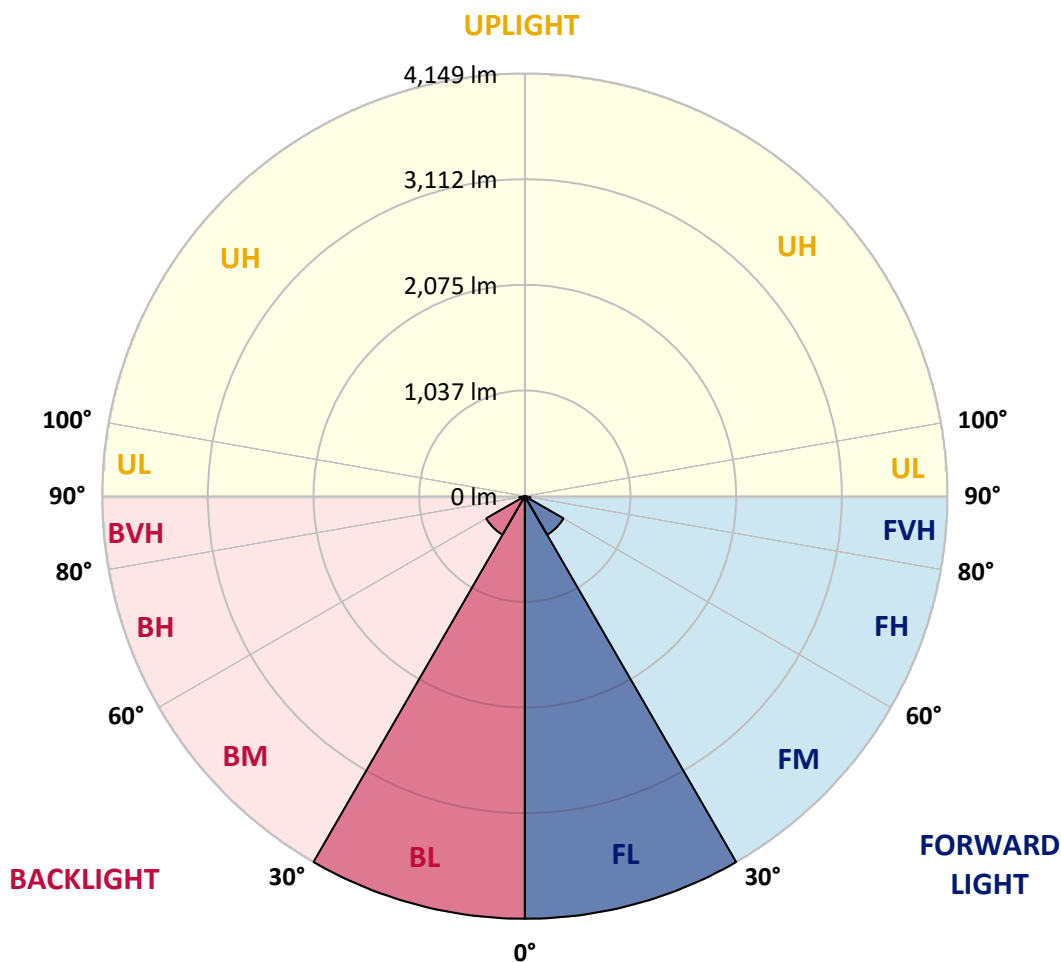
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4149.3	44.6			
FM (30°-60°)	437.3	4.7			
FH (60°-80°)	54.6	0.6			G0/660
FVH (80°-90°)	6.1	0.1			G0/10
BL (0°-30°)	4149.3	44.6	B4/5000		
BM (30°-60°)	437.3	4.7	B1/1000		
BH (60°-80°)	54.6	0.6	B0/110		G0/660
BVH (80°-90°)	6.1	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°	27898.1	27898.1	27898.1	27898.1	27898.1	27898.1	27898.1	27898.1	27898.1	27898.1
1°	27494.3	27497.6	27647.4	27681.0	27783.7	27835.8	27930.1	27920.0	27891.4	27894.7
2°	26987.8	26965.9	27105.6	27260.4	27383.2	27484.2	27596.9	27620.4	27593.5	27618.8
3°	26154.9	26122.9	26318.1	26511.6	26725.3	26898.6	27068.5	27075.3	27043.3	27041.6
4°	25059.5	25000.6	25232.8	25577.7	25847.0	26077.5	26289.5	26286.1	26242.4	26277.7
5°	23735.2	23661.2	23962.4	24416.7	24815.5	25093.1	25327.0	25271.5	25170.5	25175.6
6°	22109.8	22182.2	22550.7	23188.4	23659.5	23890.0	24177.8	24073.5	23898.5	23880.0
7°	20582.0	20745.2	21039.7	21808.6	22368.9	22611.2	22855.2	22644.9	22407.6	22368.9
8°	18973.4	19246.0	19653.2	20361.6	20958.9	21202.9	21295.4	21070.0	20815.9	20805.8
9°	17669.3	17856.1	18206.1	18830.4	19437.8	19601.0	19621.2	19424.3	19170.3	19187.1
10°	16483.1	16518.4	16821.3	17358.1	17844.3	17960.4	17955.4	17812.4	17603.7	17659.3
12.5°	13827.9	13923.8	14011.3	14182.9	14346.1	14421.9	14393.3	14334.4	14219.9	14225.0
15°	12025.8	12024.1	12034.2	12113.3	12162.1	12170.5	12170.5	12096.5	12047.7	12120.0
17.5°	10435.7	10523.2	10679.7	10743.6	10807.6	10784.0	10740.3	10706.6	10674.6	10736.9
20°	9199.0	9237.7	9239.3	9281.4	9604.5	9621.3	9565.8	9469.9	9389.1	9374.0
22.5°	7807.4	7866.3	7891.6	7928.6	7962.2	8207.9	8142.3	7987.5	7891.6	7863.0
25°	5860.6	5840.4	6005.3	6308.2	6357.0	6387.3	6370.5	6289.7	6227.4	6239.2
27.5°	4050.1	4085.4	4078.7	4082.1	4403.5	4401.8	4396.7	4326.1	4307.5	4280.6
30°	2264.8	2248.0	2256.4	2234.5	2189.1	2244.6	2155.5	2231.2	2157.1	2180.7
32.5°	1339.4	1327.6	1315.8	1320.9	1287.2	1204.8	1169.4	1221.6	1204.8	1198.0
35°	854.8	859.8	875.0	873.3	843.0	795.9	745.4	792.5	785.8	765.6
37.5°	545.2	545.2	550.2	594.0	568.7	528.3	493.0	513.2	511.5	508.2
40°	387.0	387.0	393.7	405.5	392.1	371.9	351.7	351.7	355.0	344.9
42.5°	287.7	287.7	294.5	301.2	284.4	277.6	267.5	260.8	269.2	260.8
45°	225.5	223.8	225.5	222.1	212.0	212.0	203.6	193.5	203.6	198.6
47.5°	185.1	183.4	181.7	175.0	164.9	166.6	163.2	154.8	159.9	158.2
50°	161.5	158.2	159.9	153.1	144.7	143.0	143.0	134.6	136.3	136.3
52.5°	141.3	141.3	139.7	136.3	132.9	126.2	127.9	119.5	119.5	119.5
55°	132.9	132.9	129.6	122.8	124.5	119.5	114.4	109.4	107.7	107.7
57.5°	131.2	131.2	129.6	122.8	117.8	116.1	109.4	102.6	97.6	99.3
60°	127.9	127.9	124.5	122.8	114.4	111.1	101.0	95.9	89.2	89.2
62.5°	122.8	121.1	114.4	104.3	104.3	95.9	89.2	79.1	74.0	72.4
65°	104.3	102.6	97.6	89.2	84.1	79.1	69.0	58.9	55.5	50.5
67.5°	85.8	85.8	82.4	74.0	70.7	63.9	52.2	45.4	37.0	33.7
70°	70.7	70.7	67.3	62.3	58.9	50.5	40.4	33.7	25.2	21.9
72.5°	57.2	57.2	53.8	50.5	47.1	42.1	33.7	25.2	16.8	13.5
75°	45.4	45.4	43.7	40.4	37.0	33.7	26.9	20.2	11.8	6.7
77.5°	37.0	37.0	35.3	33.7	30.3	26.9	21.9	16.8	8.4	3.4
80°	28.6	28.6	28.6	28.6	25.2	21.9	18.5	13.5	6.7	1.7
82.5°	20.2	20.2	21.9	25.2	20.2	16.8	16.8	13.5	5.0	1.7
85°	13.5	15.1	16.8	15.1	13.5	13.5	23.6	21.9	5.0	1.7
87.5°	6.7	6.7	6.7	6.7	6.7	5.0	6.7	5.0	3.4	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°  
27898.1  
**27687.8**  
27420.2  
26895.2  
26111.1  
24929.9  
23634.3  
22185.5  
20437.3  
18936.4  
17464.1  
14058.4  
11951.8  
10593.9  
9276.4  
7760.3  
6198.8  
4183.0  
2209.3  
1181.2  
743.7  
501.4  
341.6  
259.1  
198.6  
158.2  
138.0  
119.5  
106.0  
99.3  
84.1  
69.0  
48.8  
32.0  
20.2  
11.8  
5.0  
3.4  
1.7  
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