

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: P636250

Luminaire Tested: **IFLD-S-SA3B-950-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636250  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-950-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 5000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11766.6 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

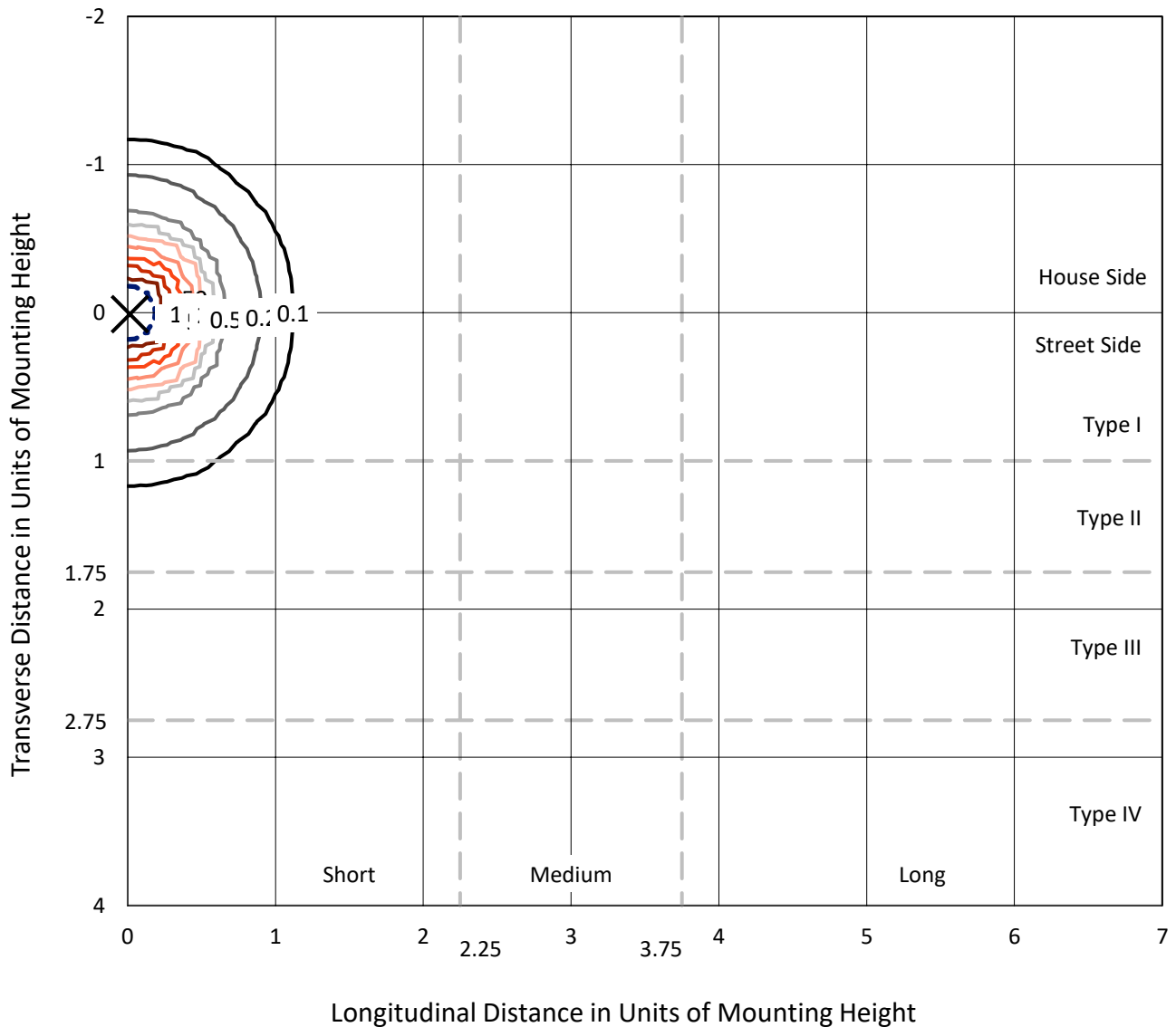
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

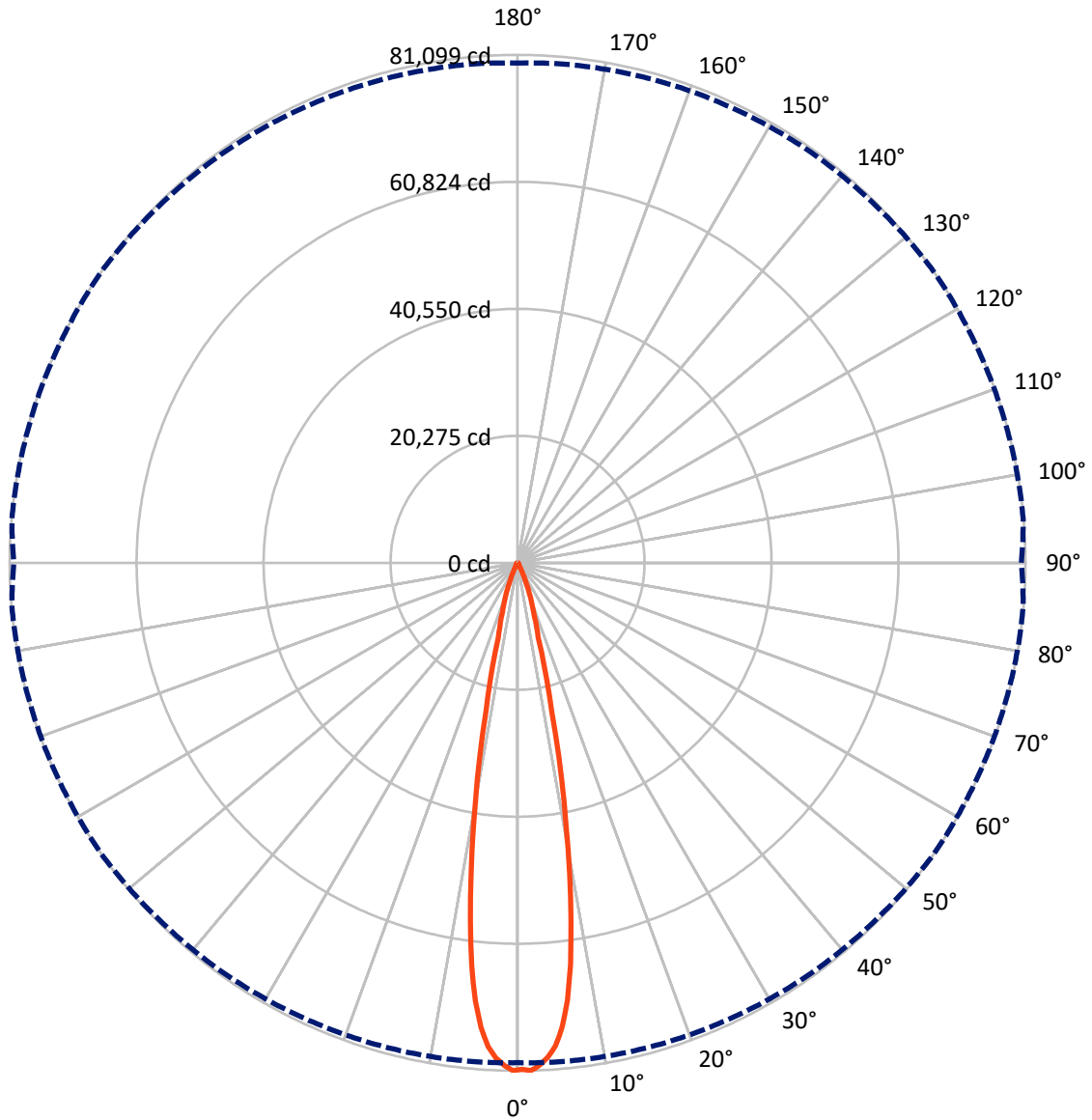
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 202.2 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	5883.3	0.0	5883.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5883.3	0.0	5883.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11766.6	0.0	11766.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5978.3	50.8
10°-20°	4236.9	36.0
20°-30°	992.8	8.4
30°-40°	207.5	1.8
40°-50°	133.9	1.1
50°-60°	99.1	0.8
60°-70°	67.4	0.6
70°-80°	36.0	0.3
80°-90°	14.7	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°	11766.6	100.0
0°-180°	11766.6	100.0

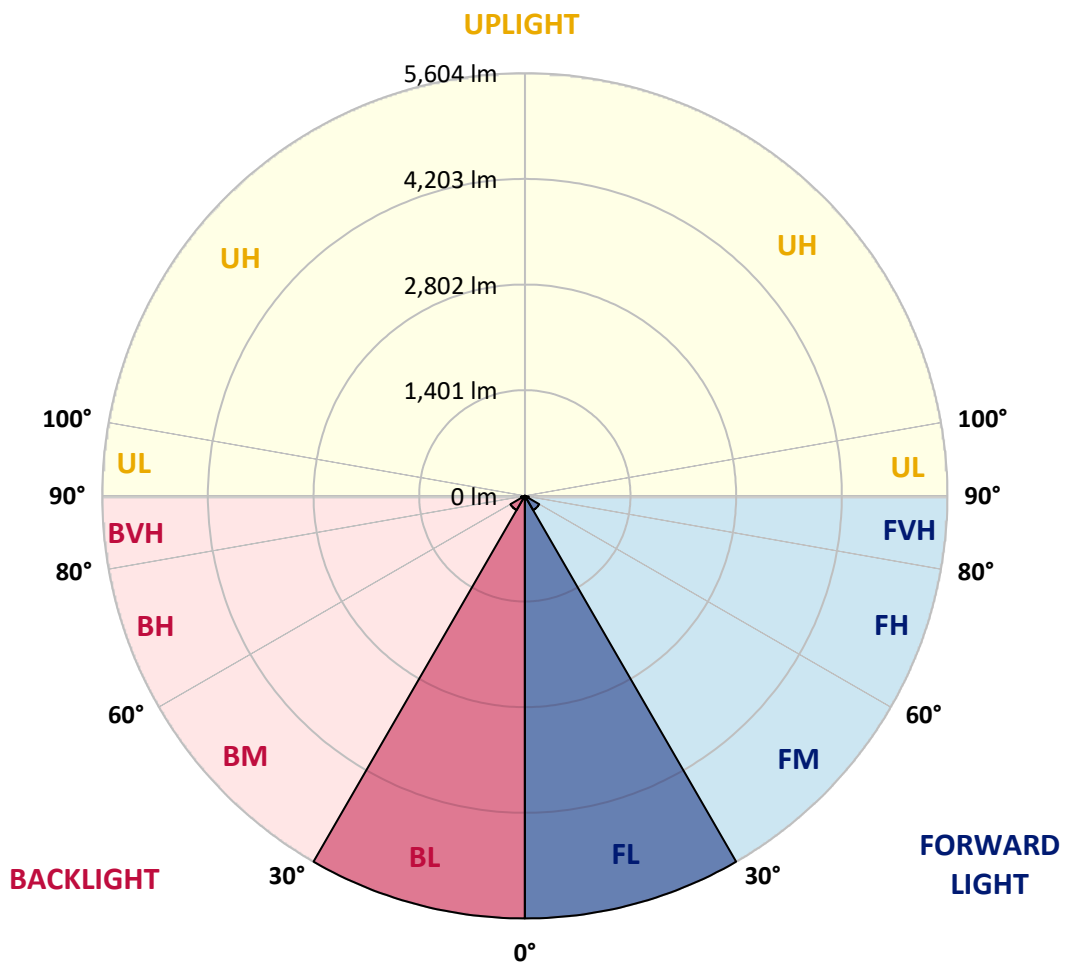


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5604.0	47.6			
FM (30°-60°)	220.3	1.9			
FH (60°-80°)	51.7	0.4			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	5604.0	47.6	B5		
BM (30°-60°)	220.3	1.9	B1/1000		
BH (60°-80°)	51.7	0.4	B0/110		G0/660
BVH (80°-90°)	7.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1	80891.1
1°	79802.7	79950.5	80131.5	80295.9	80543.5	80745.4	81099.1	81024.2	81013.8	81028.4
2°	78256.6	78441.8	78720.7	78885.1	79523.9	79786.1	80320.9	80479.0	80352.1	80495.7
3°	75940.6	76092.5	76529.5	76852.0	77680.2	78387.7	79103.6	79340.8	79193.0	79259.6
4°	73183.4	73339.4	73868.0	74525.6	75722.1	76506.6	77363.9	77576.2	77093.4	77126.7
5°	69901.8	69974.6	70621.8	71221.1	72652.7	73603.7	74417.4	74483.9	74042.8	73874.2
6°	66210.3	66079.2	66674.3	66928.2	68707.3	69677.1	70272.2	70195.2	69860.2	69716.6
7°	61823.7	61644.8	62125.4	61988.1	63563.3	64116.9	64689.1	64426.9	64160.6	64491.4
8°	56748.4	56648.5	56338.4	56900.3	57212.4	57707.7	57705.6	57553.7	57545.4	58096.8
9°	49369.5	50291.3	50018.7	50607.6	50528.6	50505.7	50353.8	50256.0	49839.8	50474.5
10°	41266.4	41869.9	42329.8	43207.9	43037.3	43278.7	42433.8	42577.4	42300.7	42825.0
12.5°	21360.5	22038.9	22436.3	23106.4	23843.0	24596.3	24352.8	24101.1	23724.4	24186.4
15°	10514.8	10783.3	10910.2	11590.6	12115.0	12304.4	12333.5	12110.9	12015.2	12115.0
17.5°	6452.9	6546.5	6914.9	7697.3	8150.9	8263.3	8190.4	7947.0	7674.4	7559.9
20°	4671.6	4698.7	4838.1	4990.0	5595.6	5911.9	5795.3	5556.0	5304.2	5185.6
22.5°	3050.6	3077.7	3123.4	3206.7	3369.0	3760.2	3633.3	3471.0	3300.3	3264.9
25°	1727.2	1727.2	1775.0	1860.3	1981.0	2010.2	2035.1	1862.4	1783.3	1748.0
27.5°	963.5	969.7	980.1	1013.4	1073.7	1067.5	1040.5	994.7	940.6	884.4
30°	532.7	539.0	545.2	553.5	563.9	545.2	528.6	520.2	497.3	491.1
32.5°	399.5	399.5	403.7	401.6	391.2	368.3	357.9	370.4	368.3	357.9
35°	328.8	328.8	332.9	341.3	320.5	303.8	295.5	312.1	312.1	305.9
37.5°	268.4	270.5	272.6	283.0	276.8	258.0	256.0	260.1	262.2	260.1
40°	235.1	233.1	233.1	235.1	231.0	226.8	222.7	220.6	222.7	220.6
42.5°	203.9	201.8	206.0	201.8	193.5	195.6	195.6	189.4	191.4	187.3
45°	179.0	176.9	179.0	174.8	168.6	170.6	170.6	162.3	162.3	160.2
47.5°	158.1	158.1	158.1	160.2	149.8	147.7	149.8	147.7	141.5	139.4
50°	137.3	139.4	141.5	145.7	135.3	131.1	131.1	131.1	126.9	124.9
52.5°	126.9	129.0	129.0	129.0	122.8	118.6	118.6	116.5	114.4	112.4
55°	122.8	122.8	122.8	114.4	112.4	110.3	104.0	102.0	99.9	99.9
57.5°	116.5	116.5	114.4	108.2	102.0	102.0	93.6	91.6	89.5	89.5
60°	104.0	104.0	104.0	102.0	93.6	91.6	83.2	79.1	77.0	77.0
62.5°	95.7	95.7	95.7	87.4	85.3	79.1	72.8	66.6	64.5	60.3
65°	87.4	87.4	87.4	79.1	74.9	68.7	60.3	54.1	49.9	43.7
67.5°	81.2	81.2	79.1	72.8	66.6	58.3	49.9	43.7	35.4	31.2
70°	70.8	70.8	68.7	64.5	58.3	52.0	41.6	33.3	27.1	20.8
72.5°	60.3	60.3	58.3	54.1	49.9	43.7	35.4	29.1	18.7	14.6
75°	49.9	49.9	47.9	43.7	41.6	37.5	31.2	22.9	14.6	6.2
77.5°	41.6	41.6	39.5	37.5	35.4	31.2	27.1	18.7	10.4	4.2
80°	31.2	33.3	33.3	33.3	29.1	27.1	25.0	18.7	8.3	2.1
82.5°	22.9	25.0	25.0	25.0	22.9	20.8	22.9	16.6	8.3	2.1
85°	16.6	16.6	18.7	18.7	18.7	18.7	25.0	18.7	6.2	2.1
87.5°	8.3	8.3	8.3	8.3	8.3	10.4	12.5	10.4	4.2	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°  
80891.1  
*80447.8*  
79950.5  
78760.2  
76631.4  
73522.6  
69394.0  
64389.5  
56567.3  
49290.4  
41480.8  
22935.7  
11648.9  
7399.7  
5094.1  
3192.1  
1718.8  
886.5  
491.1  
351.7  
303.8  
260.1  
222.7  
189.4  
160.2  
139.4  
122.8  
110.3  
97.8  
89.5  
74.9  
56.2  
43.7  
29.1  
20.8  
12.5  
6.2  
2.1  
2.1  
2.1  
2.1  
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