

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: P636165

Luminaire Tested: **IFLD-S-SA3D-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636165  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14274.6 lumens  
Efficiency: N/A  
Efficacy: 77.5 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

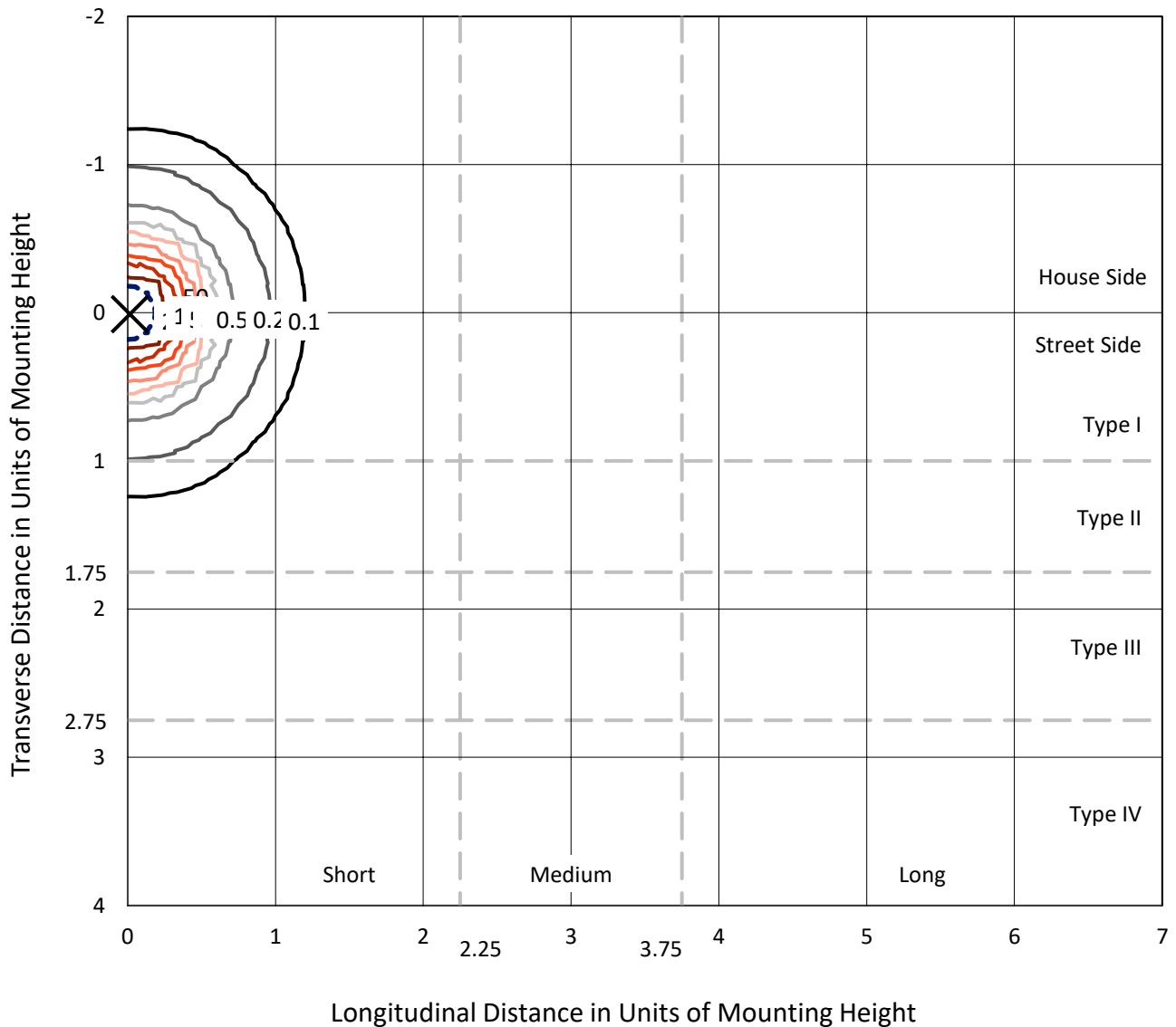
Input Watts (W): 184.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

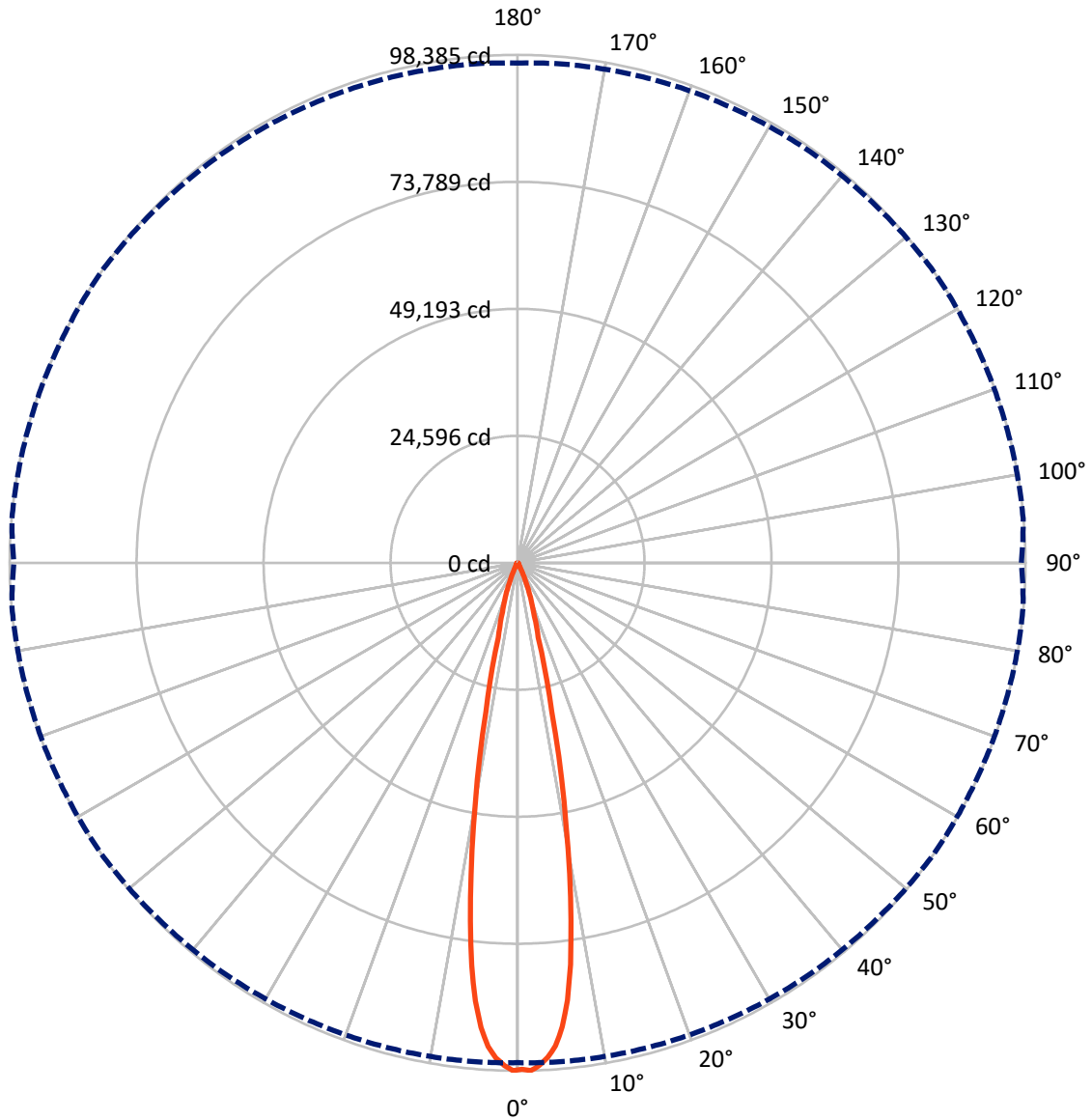
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 245.3 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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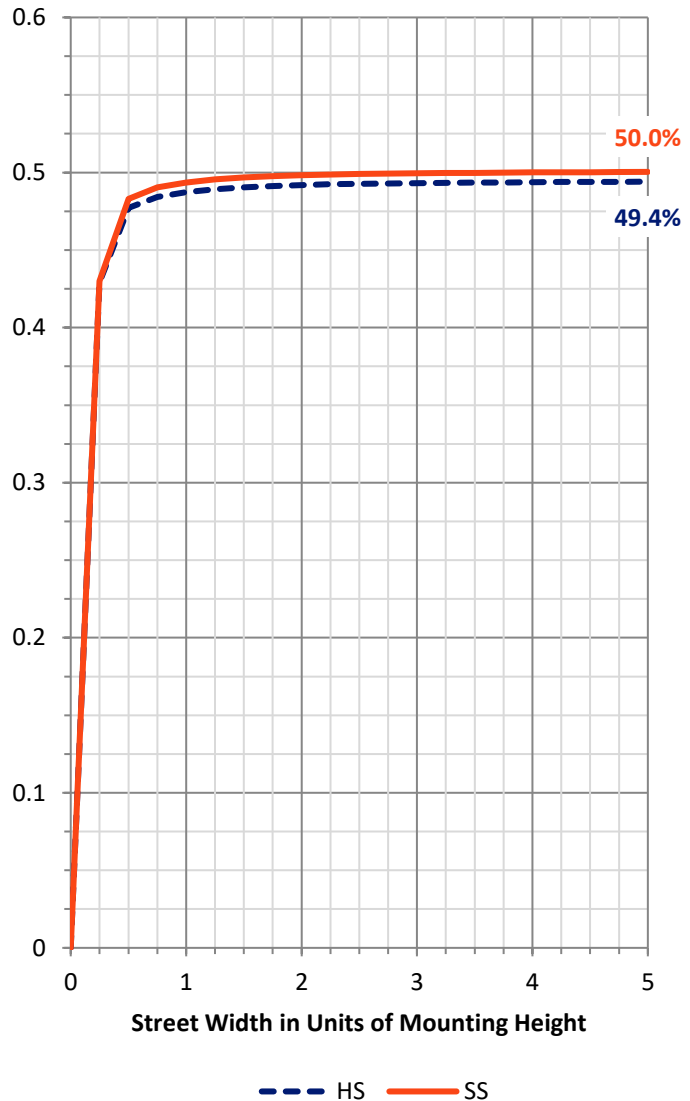
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7137.3	0.0	7137.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7137.3	0.0	7137.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14274.6	0.0	14274.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7252.6	50.8
10°-20°	5140.0	36.0
20°-30°	1204.4	8.4
30°-40°	251.7	1.8
40°-50°	162.4	1.1
50°-60°	120.3	0.8
60°-70°	81.8	0.6
70°-80°	43.6	0.3
80°-90°	17.9	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°	14274.6	100.0
0°-180°	14274.6	100.0

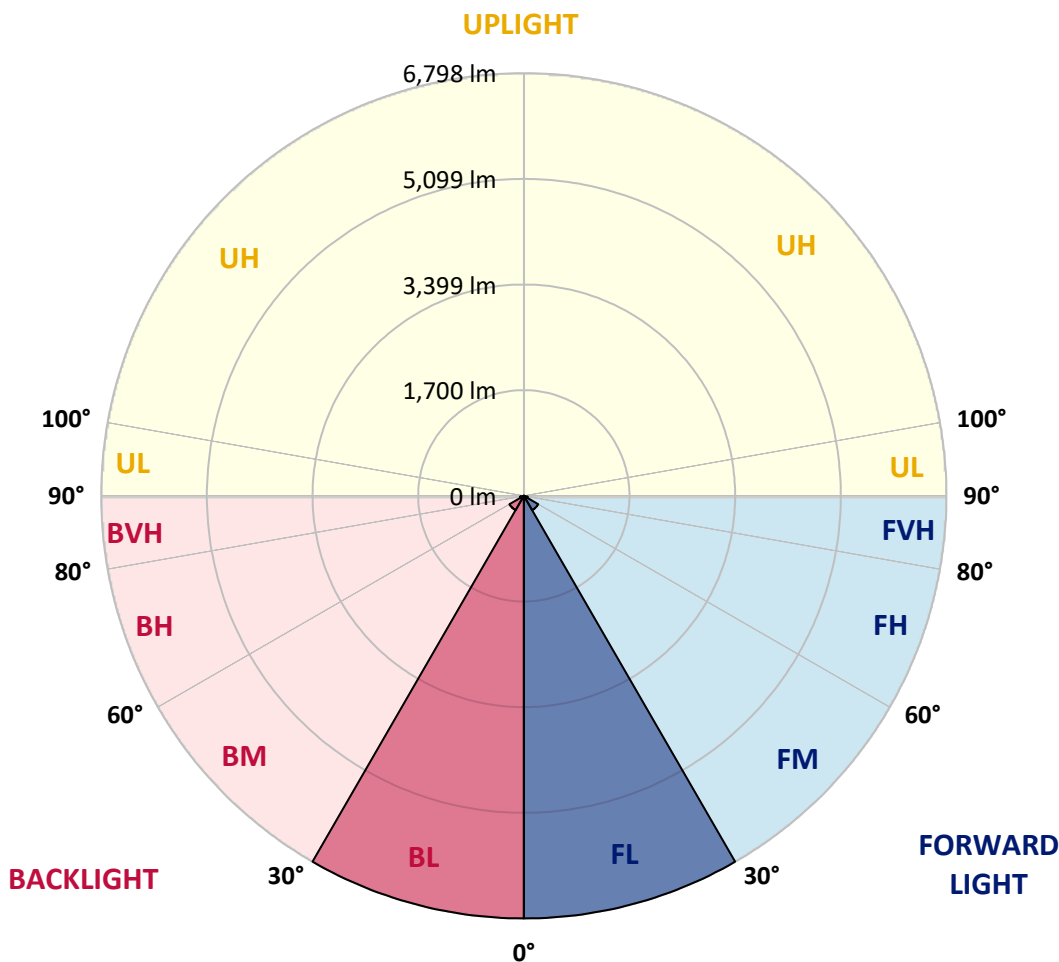


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6798.5	47.6			
FM (30°-60°)	267.2	1.9			
FH (60°-80°)	62.7	0.4			G0/660
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	6798.5	47.6	B5		
BM (30°-60°)	267.2	1.9	B1/1000		
BH (60°-80°)	62.7	0.4	B0/110		G0/660
BVH (80°-90°)	8.9	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°	98133.0	98133.0	98133.0	98133.0	98133.0	98133.0	98133.0	98133.0	98133.0	98133.0
1°	96812.7	96991.9	97211.6	97411.0	97711.4	97956.3	98385.4	98294.6	98281.9	98299.6
2°	94937.0	95161.7	95500.0	95699.4	96474.4	96792.5	97441.3	97633.2	97479.2	97653.3
3°	92127.3	92311.6	92841.7	93233.0	94237.8	95096.1	95964.5	96252.3	96073.0	96153.8
4°	88782.4	88971.8	89613.0	90410.7	91862.3	92814.0	93854.0	94111.5	93525.9	93566.3
5°	84801.4	84889.7	85674.8	86401.9	88138.7	89292.4	90279.4	90360.2	89825.0	89620.5
6°	80323.0	80163.9	80885.9	81193.9	83352.3	84528.7	85250.7	85157.3	84750.9	84576.7
7°	75001.4	74784.3	75367.5	75200.9	77111.9	77783.4	78477.6	78159.5	77836.4	78237.8
8°	68844.3	68723.1	68347.0	69028.6	69407.3	70008.1	70005.6	69821.3	69811.2	70480.2
9°	59892.6	61010.9	60680.2	61394.7	61298.7	61271.0	61086.7	60968.0	60463.1	61233.1
10°	50062.4	50794.5	51352.4	52417.7	52210.7	52503.5	51478.6	51652.8	51317.0	51953.2
12.5°	25913.5	26736.5	27218.6	28031.5	28925.2	29839.0	29543.7	29238.2	28781.3	29341.7
15°	12756.1	13081.7	13235.7	14061.2	14697.4	14927.1	14962.4	14692.3	14576.2	14697.4
17.5°	7828.3	7941.9	8388.8	9337.9	9888.3	10024.6	9936.2	9640.9	9310.2	9171.3
20°	5667.4	5700.2	5869.3	6053.6	6788.2	7172.0	7030.6	6740.3	6434.8	6290.9
22.5°	3700.8	3733.7	3789.2	3890.2	4087.1	4561.7	4407.7	4210.8	4003.8	3960.9
25°	2095.3	2095.3	2153.4	2256.9	2403.3	2438.6	2468.9	2259.4	2163.5	2120.5
27.5°	1168.8	1176.4	1189.0	1229.4	1302.6	1295.0	1262.2	1206.7	1141.1	1072.9
30°	646.3	653.8	661.4	671.5	684.1	661.4	641.2	631.1	603.3	595.8
32.5°	484.7	484.7	489.7	487.2	474.6	446.8	434.2	449.4	446.8	434.2
35°	398.9	398.9	403.9	414.0	388.8	368.6	358.5	378.7	378.7	371.1
37.5°	325.7	328.2	330.7	343.3	335.8	313.0	310.5	315.6	318.1	315.6
40°	285.3	282.7	282.7	285.3	280.2	275.2	270.1	267.6	270.1	267.6
42.5°	247.4	244.9	249.9	244.9	234.8	237.3	237.3	229.7	232.2	227.2
45°	217.1	214.6	217.1	212.1	204.5	207.0	207.0	196.9	196.9	194.4
47.5°	191.9	191.9	191.9	194.4	181.8	179.2	181.8	179.2	171.7	169.1
50°	166.6	169.1	171.7	176.7	164.1	159.0	159.0	159.0	154.0	151.5
52.5°	154.0	156.5	156.5	156.5	148.9	143.9	143.9	141.4	138.8	136.3
55°	148.9	148.9	148.9	138.8	136.3	133.8	126.2	123.7	121.2	121.2
57.5°	141.4	141.4	138.8	131.3	123.7	123.7	113.6	111.1	108.6	108.6
60°	126.2	126.2	126.2	123.7	113.6	111.1	101.0	95.9	93.4	93.4
62.5°	116.1	116.1	116.1	106.0	103.5	95.9	88.4	80.8	78.3	73.2
65°	106.0	106.0	106.0	95.9	90.9	83.3	73.2	65.6	60.6	53.0
67.5°	98.5	98.5	95.9	88.4	80.8	70.7	60.6	53.0	42.9	37.9
70°	85.8	85.8	83.3	78.3	70.7	63.1	50.5	40.4	32.8	25.2
72.5°	73.2	73.2	70.7	65.6	60.6	53.0	42.9	35.3	22.7	17.7
75°	60.6	60.6	58.1	53.0	50.5	45.4	37.9	27.8	17.7	7.6
77.5°	50.5	50.5	48.0	45.4	42.9	37.9	32.8	22.7	12.6	5.0
80°	37.9	40.4	40.4	40.4	35.3	32.8	30.3	22.7	10.1	2.5
82.5°	27.8	30.3	30.3	30.3	27.8	25.2	27.8	20.2	10.1	2.5
85°	20.2	20.2	22.7	22.7	22.7	22.7	30.3	22.7	7.6	2.5
87.5°	10.1	10.1	10.1	10.1	10.1	12.6	15.1	12.6	5.0	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°  
98133.0  
*97595.3*  
96991.9  
95548.0  
92965.4  
89193.9  
84185.4  
78114.1  
68624.7  
59796.7  
50322.4  
27824.5  
14131.9  
8976.9  
6179.9  
3872.5  
2085.2  
1075.4  
595.8  
426.6  
368.6  
315.6  
270.1  
229.7  
194.4  
169.1  
148.9  
133.8  
118.6  
108.6  
90.9  
68.2  
53.0  
35.3  
25.2  
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