

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: P636015

Luminaire Tested: **IFLD-S-SA2D-930-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636015  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-930-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (32) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9511 lumens  
Efficiency: N/A  
Efficacy: 76.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

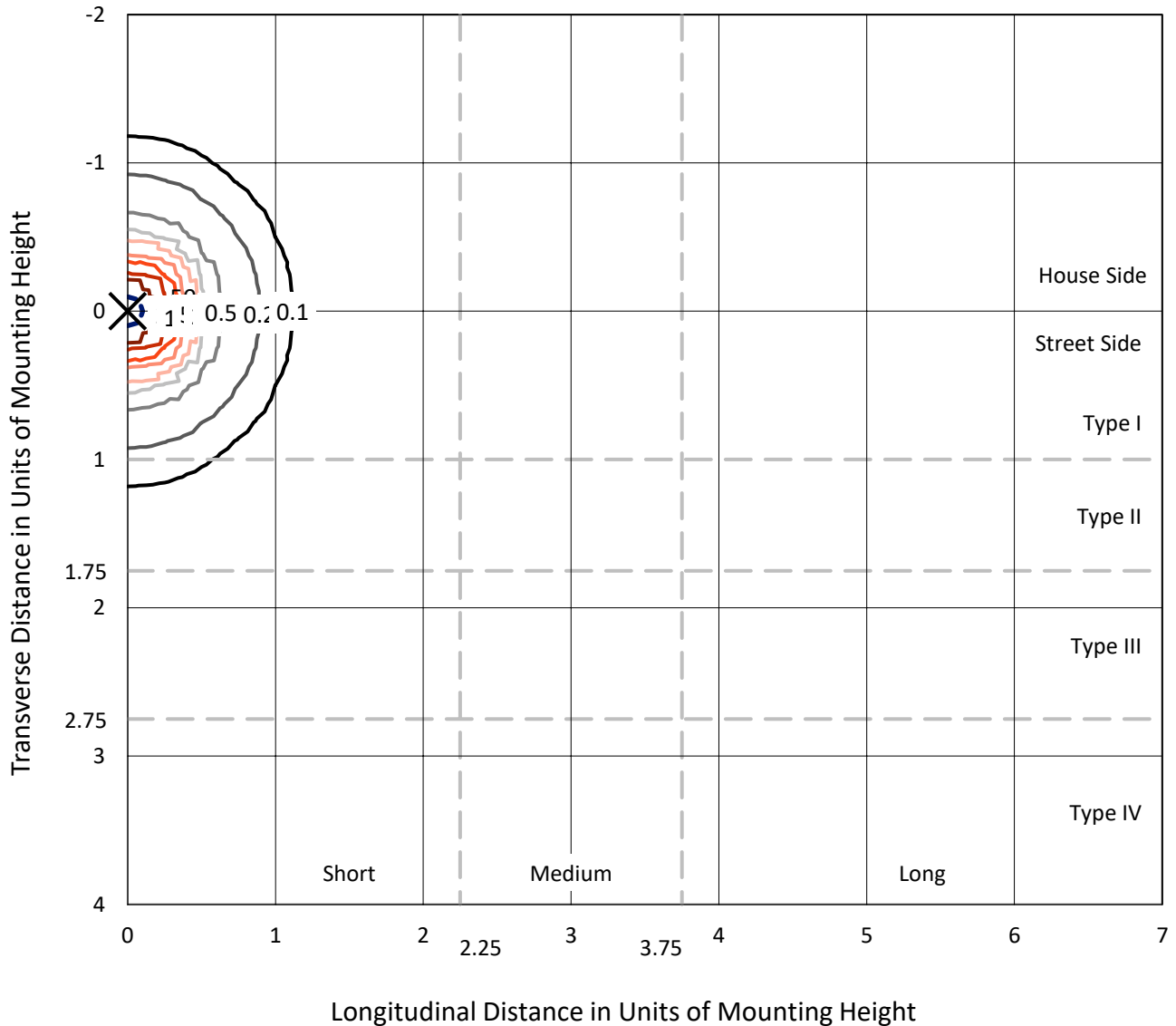
Input Watts (W): 123.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

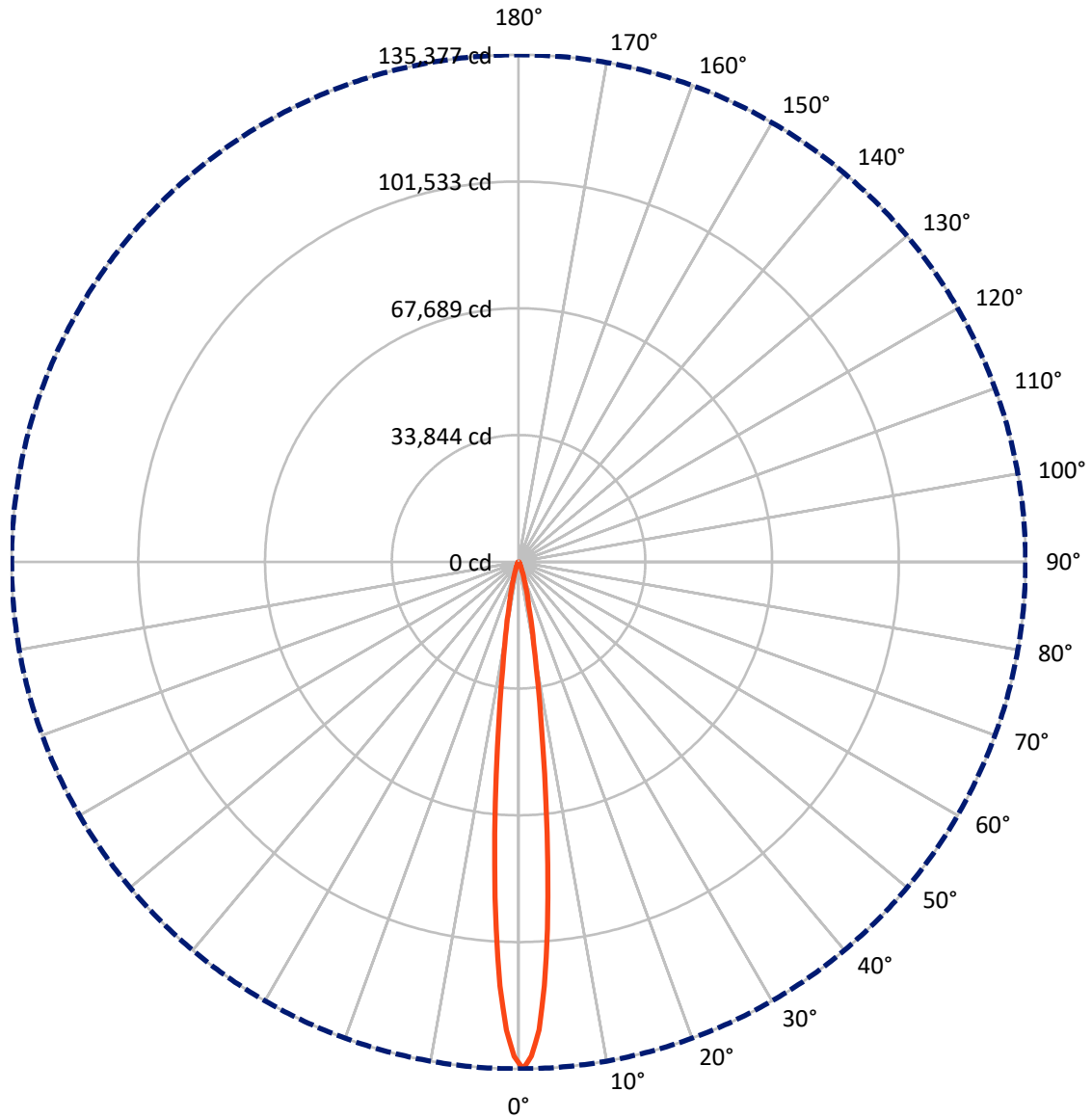
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 338.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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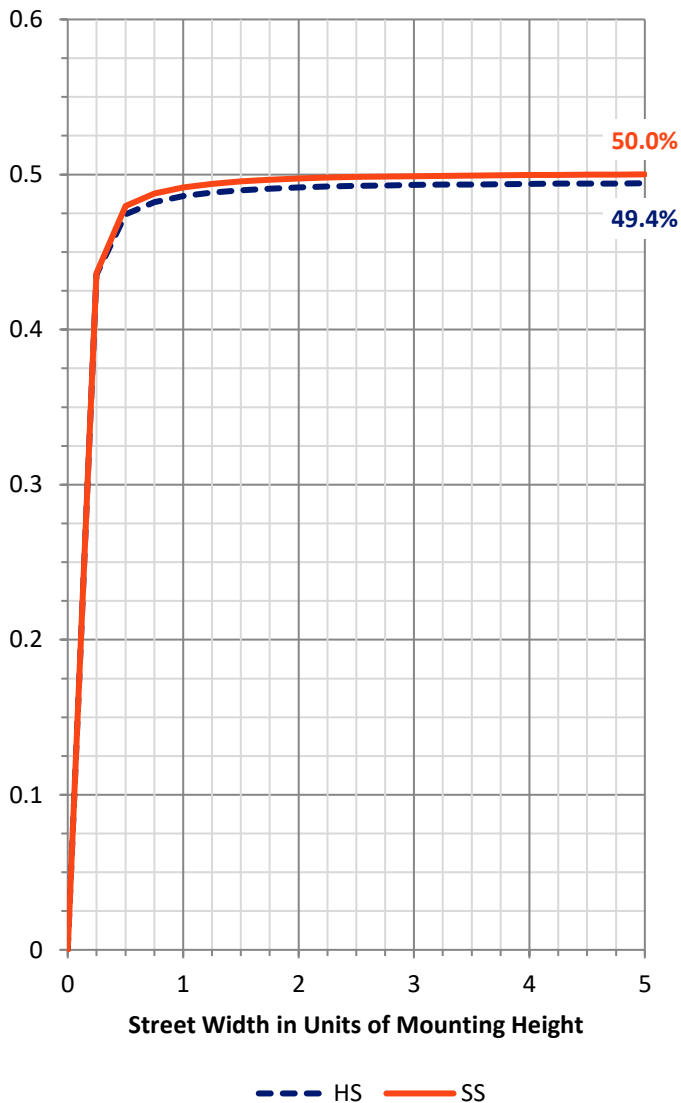
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4755.5	0.0	4755.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4755.5	0.0	4755.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9511.0	0.0	9511.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5797.7	61.0
10°-20°	2597.4	27.3
20°-30°	580.1	6.1
30°-40°	189.3	2.0
40°-50°	130.6	1.4
50°-60°	98.6	1.0
60°-70°	67.5	0.7
70°-80°	35.6	0.4
80°-90°	14.2	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°	9511.0	100.0
0°-180°	9511.0	100.0

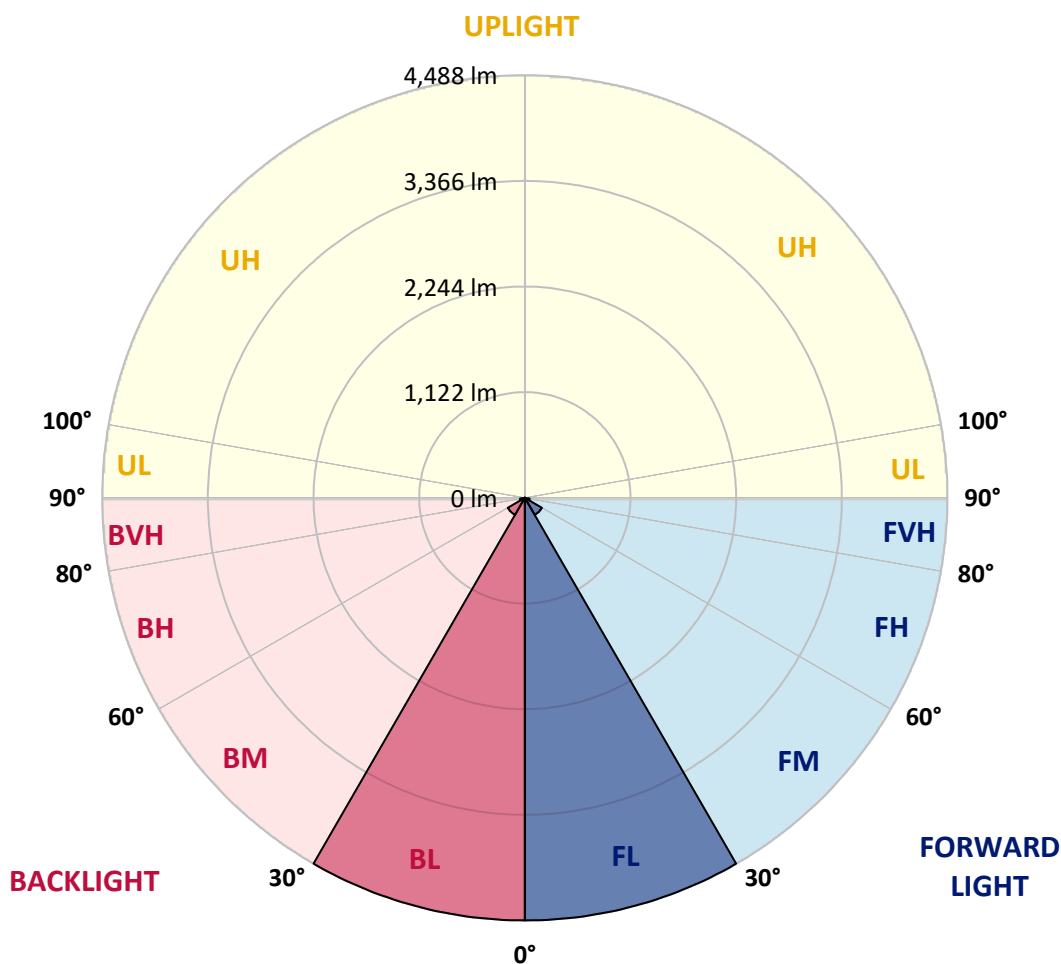


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4487.6	47.2			
FM (30°-60°)	209.3	2.2			
FH (60°-80°)	51.5	0.5			G0/660
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	4487.6	47.2	B4/5000		
BM (30°-60°)	209.3	2.2	B0/220		
BH (60°-80°)	51.5	0.5	B0/110		G0/660
BVH (80°-90°)	7.1	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°	135377.0	135377.0	135377.0	135377.0	135377.0	135377.0	135377.0	135377.0	135377.0	135377.0
1°	132015.9	132195.5	131995.5	133005.2	133422.0	133638.8	133664.2	134233.5	133794.7	133916.7
2°	125058.2	125458.0	124788.9	125436.0	126730.3	127219.9	126422.0	127407.9	127055.6	127260.5
3°	113367.3	113856.9	112931.9	113723.0	115388.3	115761.0	114453.2	115854.2	115818.6	116113.4
4°	98298.3	99092.8	97771.4	98708.2	99445.2	100742.9	99475.7	101069.8	101039.3	101550.9
5°	81193.0	82051.9	80903.3	81875.7	82573.7	83056.5	82592.3	84355.9	84467.7	84996.2
6°	64455.3	65256.6	63974.2	64902.5	66008.8	66207.0	66086.7	67604.6	67941.8	67530.1
7°	49604.8	49804.8	49603.2	50446.8	51334.5	51366.7	51522.6	52857.5	53154.0	53011.7
8°	37990.1	37075.3	37861.4	38308.6	38583.1	39843.5	39936.6	40609.2	41154.7	41193.7
9°	28918.2	28071.2	28980.9	29158.8	29789.0	30908.8	30768.2	31503.4	31845.6	31823.6
10°	22047.0	21616.7	22072.4	22268.9	22787.3	23736.0	23900.3	24237.4	24491.6	24657.6
12.5°	11963.7	12063.7	12327.9	12534.6	13232.6	13485.0	13586.7	13615.5	13613.8	13640.9
15°	7432.0	7513.3	7698.0	8072.4	8497.6	8811.0	8855.0	8692.4	8551.8	8529.8
17.5°	4635.0	4602.9	5036.5	5446.5	5958.1	6120.8	5951.4	5765.0	5573.6	5463.5
20°	2781.7	2803.7	2951.1	3134.1	3547.4	3828.7	3652.5	3462.7	3264.5	3134.1
22.5°	1580.6	1604.3	1668.7	1763.6	1921.1	2176.9	2065.1	1873.7	1733.1	1675.5
25°	933.4	933.4	972.4	1014.8	1080.8	1140.1	1116.4	1014.8	931.8	908.0
27.5°	604.8	599.7	613.3	633.6	664.1	667.5	640.4	609.9	567.5	552.3
30°	442.2	443.9	442.2	450.6	448.9	437.1	420.1	421.8	404.9	403.2
32.5°	359.1	360.8	360.8	359.1	350.7	332.0	320.2	332.0	328.7	325.3
35°	298.2	299.9	316.8	315.1	301.5	281.2	272.7	286.3	296.5	281.2
37.5°	257.5	259.2	272.7	279.5	262.6	249.0	238.9	250.7	266.0	249.0
40°	227.0	228.7	232.1	233.8	225.3	218.5	213.5	216.8	223.6	215.2
42.5°	199.9	198.2	199.9	198.2	188.0	191.4	188.0	183.0	188.0	181.3
45°	174.5	174.5	174.5	169.4	159.2	166.0	162.6	157.6	159.2	154.2
47.5°	159.2	159.2	159.2	152.5	144.0	144.0	145.7	137.2	138.9	137.2
50°	144.0	144.0	147.4	140.6	133.8	128.8	130.4	123.7	125.4	123.7
52.5°	132.1	132.1	132.1	128.8	123.7	120.3	116.9	113.5	111.8	110.1
55°	127.1	127.1	125.4	115.2	113.5	110.1	103.3	101.6	98.3	96.6
57.5°	118.6	118.6	116.9	108.4	101.6	101.6	91.5	89.8	84.7	84.7
60°	105.0	105.0	103.3	101.6	93.2	88.1	81.3	77.9	72.8	71.2
62.5°	100.0	100.0	96.6	88.1	86.4	77.9	71.2	64.4	61.0	57.6
65°	93.2	91.5	89.8	81.3	74.5	69.5	61.0	52.5	49.1	42.4
67.5°	83.0	83.0	81.3	74.5	67.8	59.3	50.8	44.0	35.6	30.5
70°	72.8	71.2	71.2	64.4	59.3	52.5	40.7	33.9	25.4	20.3
72.5°	61.0	61.0	59.3	54.2	50.8	45.7	35.6	27.1	16.9	13.6
75°	49.1	49.1	47.4	44.0	42.4	37.3	30.5	23.7	13.6	6.8
77.5°	40.7	39.0	39.0	35.6	33.9	30.5	25.4	18.6	10.2	5.1
80°	30.5	30.5	32.2	30.5	27.1	25.4	22.0	16.9	8.5	3.4
82.5°	22.0	22.0	23.7	23.7	23.7	22.0	22.0	16.9	8.5	1.7
85°	15.2	15.2	18.6	16.9	16.9	18.6	27.1	22.0	6.8	1.7
87.5°	8.5	8.5	8.5	6.8	6.8	8.5	10.2	8.5	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
135377.0  
133020.5  
126528.7  
115322.2  
100653.1  
83986.5  
67572.4  
52816.9  
40702.4  
32342.0  
24755.8  
13662.9  
8462.0  
5446.5  
3162.9  
1682.2  
904.6  
552.3  
401.5  
318.5  
277.8  
247.3  
211.8  
181.3  
154.2  
137.2  
123.7  
110.1  
94.9  
84.7  
67.8  
55.9  
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30.5  
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