

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: P636178

Luminaire Tested: **IFLD-L-SA7B-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636178  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21811 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

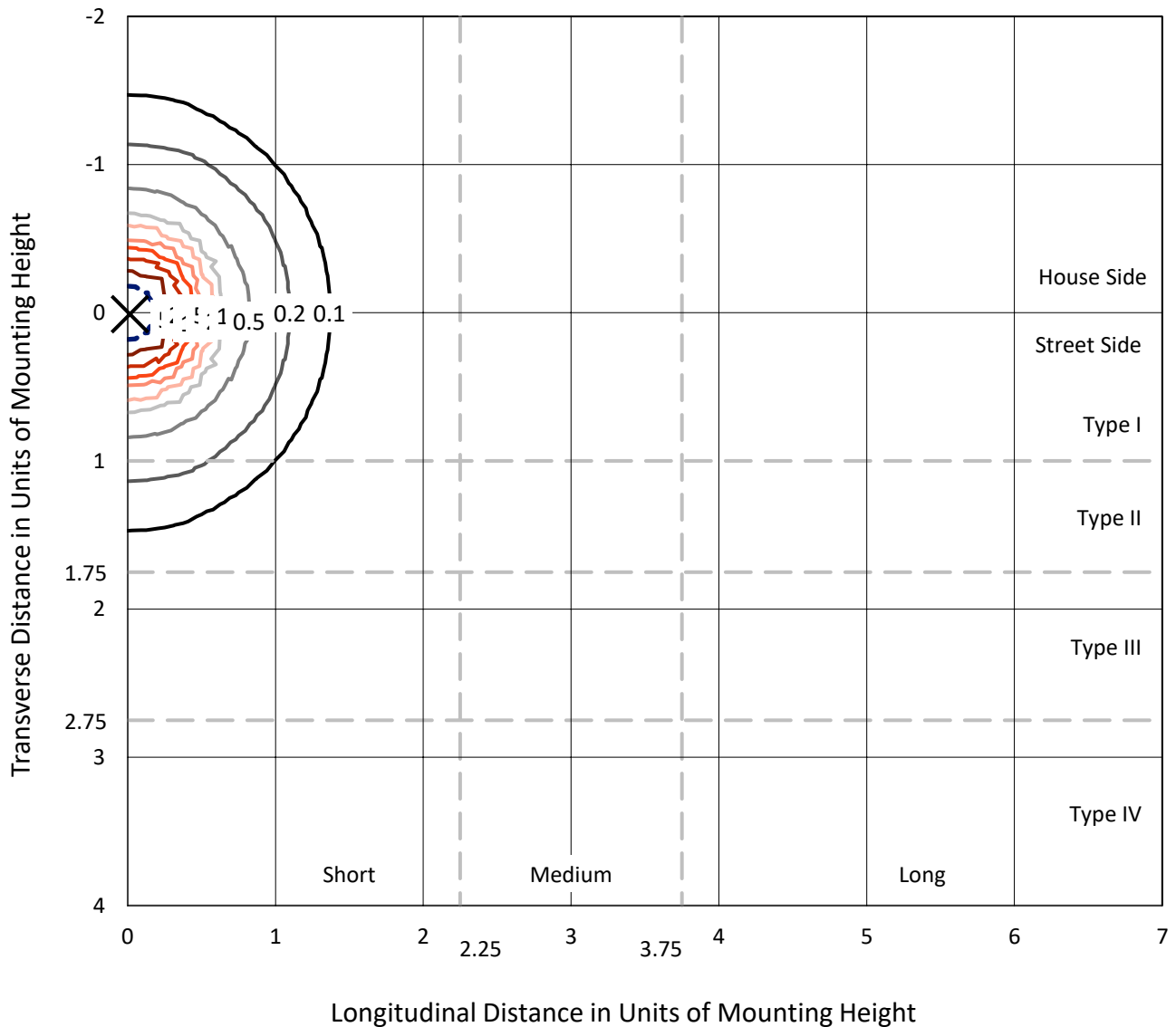
Input Watts (W): 281  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

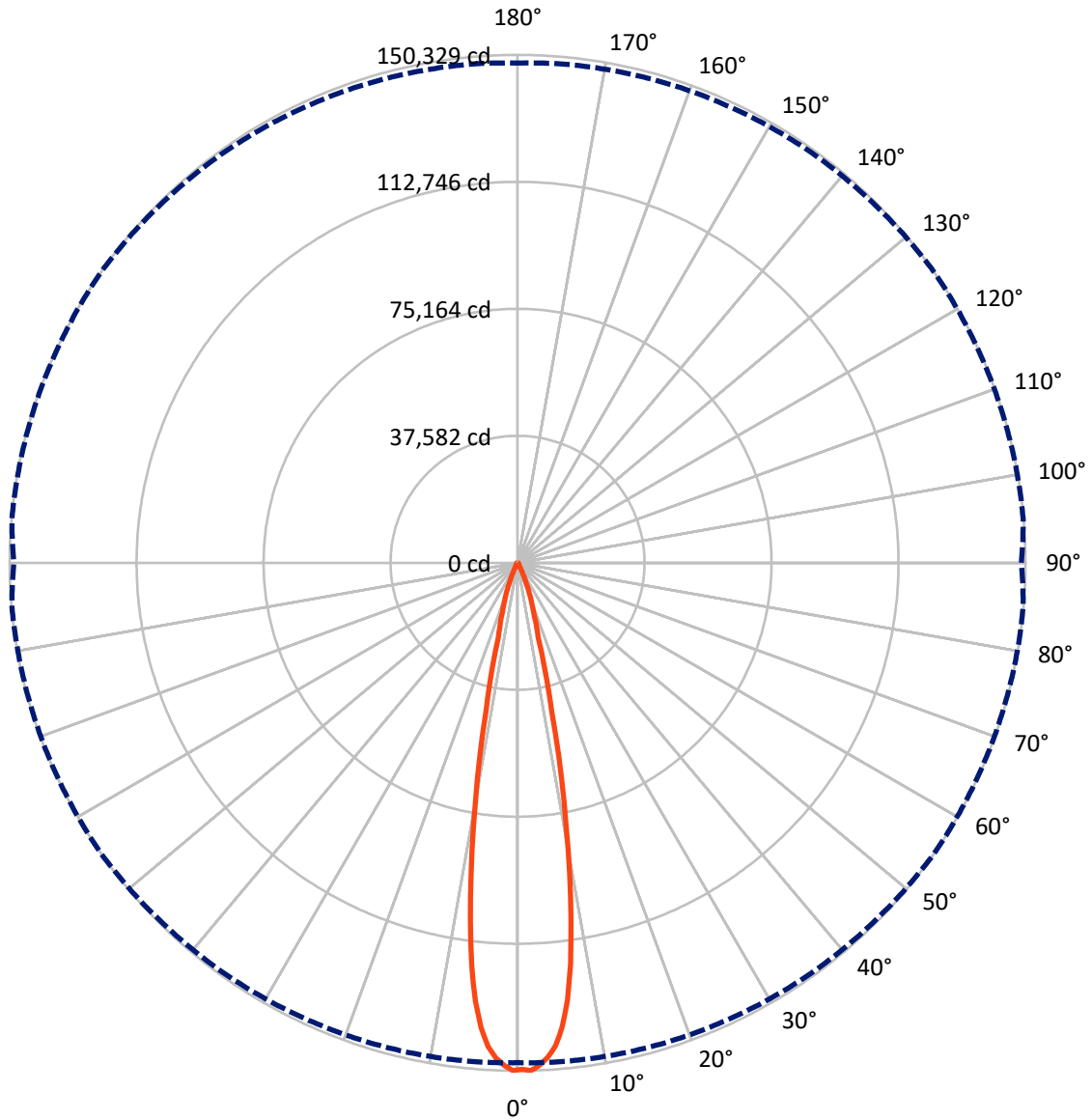
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 374.9 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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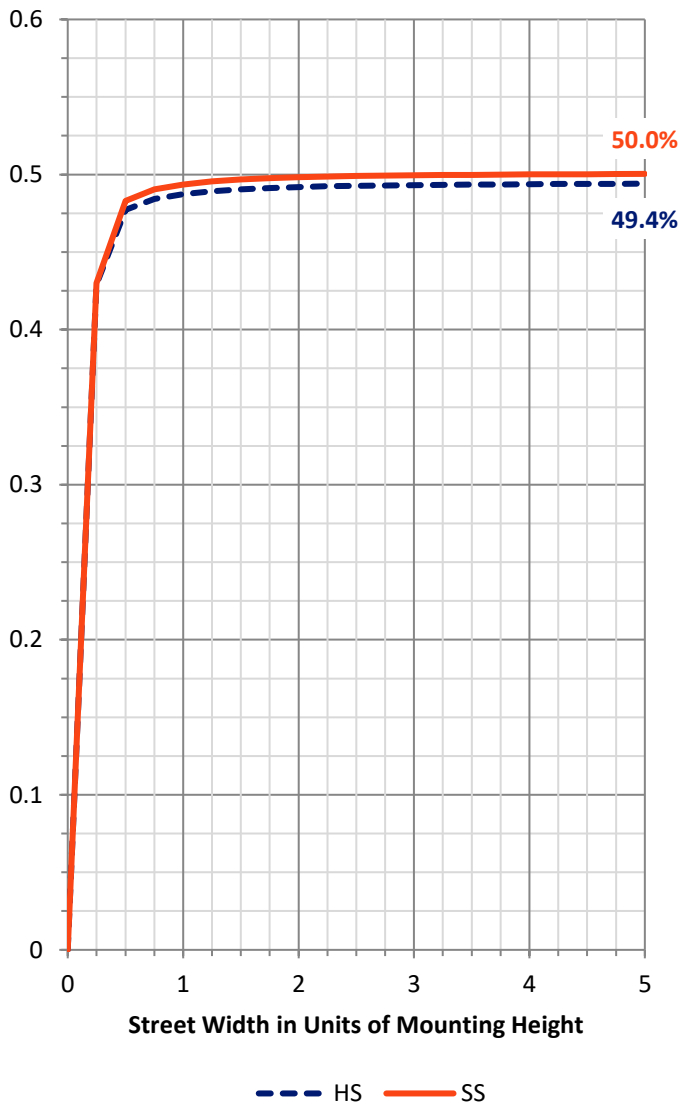
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10905.5	0.0	10905.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10905.5	0.0	10905.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21811.0	0.0	21811.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11081.6	50.8
10°-20°	7853.7	36.0
20°-30°	1840.3	8.4
30°-40°	384.6	1.8
40°-50°	248.1	1.1
50°-60°	183.8	0.8
60°-70°	124.9	0.6
70°-80°	66.7	0.3
80°-90°	27.3	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°	21811.0	100.0
0°-180°	21811.0	100.0

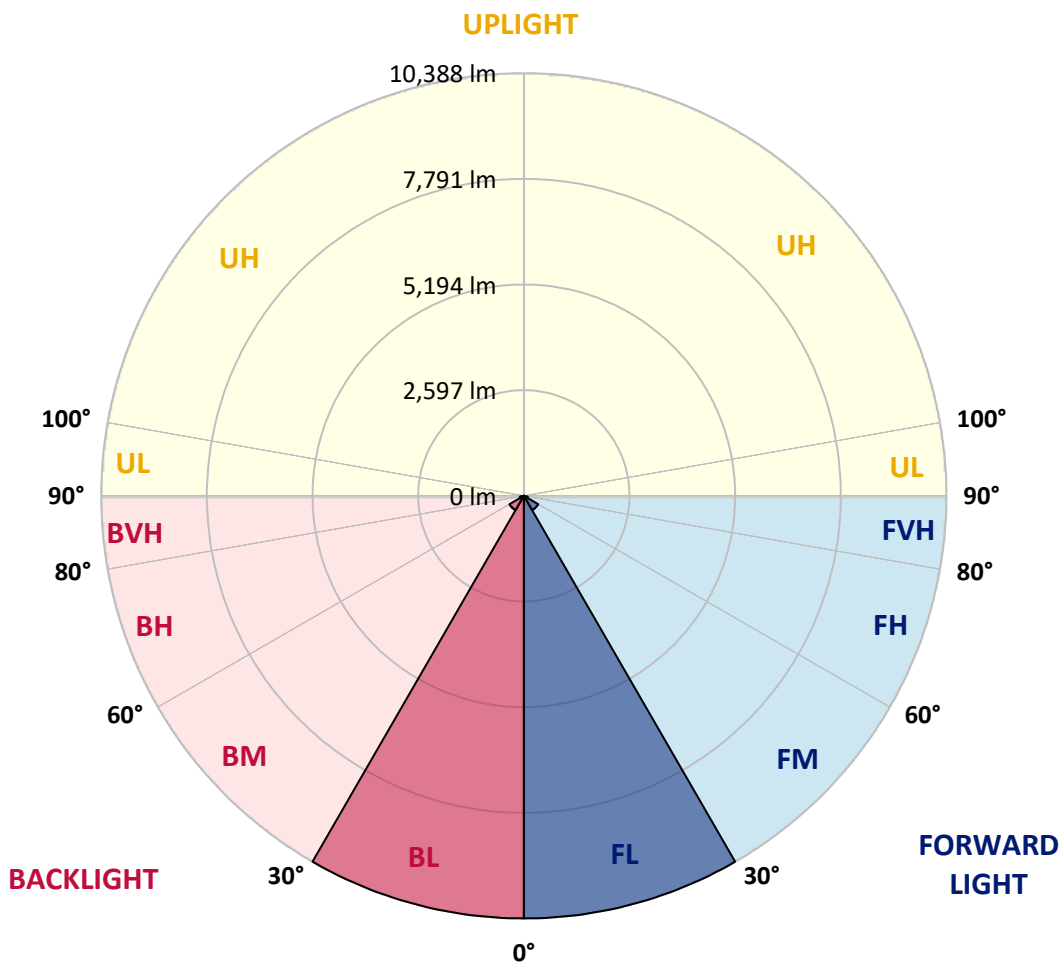


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10387.8	47.6			
FM (30°-60°)	408.3	1.9			
FH (60°-80°)	95.8	0.4			G0/660
FVH (80°-90°)	13.7	0.1			G1/100
BL (0°-30°)	10387.8	47.6	B5		
BM (30°-60°)	408.3	1.9	B1/1000		
BH (60°-80°)	95.8	0.4	B0/110		G0/660
BVH (80°-90°)	13.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	149942.9	149942.9	149942.9	149942.9	149942.9	149942.9	149942.9	149942.9	149942.9	149942.9
1°	147925.5	148199.4	148535.0	148839.7	149298.7	149672.9	150328.6	150189.7	150170.5	150197.5
2°	145059.6	145402.9	145919.8	146224.5	147408.7	147894.7	148886.0	149179.1	148943.8	149210.0
3°	140766.5	141048.1	141858.1	142456.0	143991.1	145302.6	146629.5	147069.2	146795.4	146918.8
4°	135655.6	135944.9	136924.7	138143.5	140361.5	141815.6	143404.8	143798.3	142903.4	142965.1
5°	129572.7	129707.7	130907.3	132018.2	134672.0	136434.8	137943.0	138066.4	137248.7	136936.2
6°	122730.0	122487.0	123590.1	124060.7	127358.7	129156.2	130259.3	130116.6	129495.6	129229.4
7°	114598.9	114267.2	115158.2	114903.6	117823.6	118849.6	119910.3	119424.3	118930.6	119543.9
8°	105191.1	105005.9	104431.2	105472.6	106051.2	106969.3	106965.4	106683.8	106668.4	107690.6
9°	91513.3	93222.0	92716.7	93808.3	93661.7	93619.3	93337.7	93156.4	92385.0	93561.5
10°	76493.1	77611.7	78464.2	80091.9	79775.6	80223.1	78657.0	78923.2	78410.2	79382.2
12.5°	39594.7	40852.1	41588.9	42830.9	44196.4	45592.7	45141.4	44674.7	43976.5	44832.8
15°	19490.7	19988.3	20223.6	21484.9	22456.9	22807.9	22861.9	22449.2	22271.8	22456.9
17.5°	11961.3	12134.9	12817.6	14268.0	15108.8	15317.1	15182.1	14730.8	14225.5	14013.4
20°	8659.5	8709.7	8968.1	9249.7	10372.1	10958.4	10742.4	10298.9	9832.1	9612.3
22.5°	5654.7	5704.9	5789.7	5944.0	6244.9	6970.1	6734.8	6433.9	6117.6	6052.0
25°	3201.5	3201.5	3290.2	3448.4	3672.1	3726.1	3772.4	3452.2	3305.7	3240.1
27.5°	1785.9	1797.5	1816.8	1878.5	1990.3	1978.8	1928.6	1843.8	1743.5	1639.3
30°	987.5	999.0	1010.6	1026.0	1045.3	1010.6	979.7	964.3	921.9	910.3
32.5°	740.6	740.6	748.3	744.4	725.2	682.7	663.4	686.6	682.7	663.4
35°	609.4	609.4	617.2	632.6	594.0	563.2	547.7	578.6	578.6	567.0
37.5°	497.6	501.4	505.3	524.6	513.0	478.3	474.4	482.2	486.0	482.2
40°	435.9	432.0	432.0	435.9	428.2	420.4	412.7	408.9	412.7	408.9
42.5°	378.0	374.2	381.9	374.2	358.7	362.6	362.6	351.0	354.9	347.2
45°	331.7	327.9	331.7	324.0	312.4	316.3	316.3	300.9	300.9	297.0
47.5°	293.2	293.2	293.2	297.0	277.7	273.9	277.7	273.9	262.3	258.4
50°	254.6	258.4	262.3	270.0	250.7	243.0	243.0	243.0	235.3	231.4
52.5°	235.3	239.1	239.1	239.1	227.6	219.9	219.9	216.0	212.1	208.3
55°	227.6	227.6	227.6	212.1	208.3	204.4	192.9	189.0	185.1	185.1
57.5°	216.0	216.0	212.1	200.6	189.0	189.0	173.6	169.7	165.9	165.9
60°	192.9	192.9	192.9	189.0	173.6	169.7	154.3	146.6	142.7	142.7
62.5°	177.4	177.4	177.4	162.0	158.1	146.6	135.0	123.4	119.6	111.9
65°	162.0	162.0	162.0	146.6	138.9	127.3	111.9	100.3	92.6	81.0
67.5°	150.4	150.4	146.6	135.0	123.4	108.0	92.6	81.0	65.6	57.9
70°	131.1	131.1	127.3	119.6	108.0	96.4	77.1	61.7	50.1	38.6
72.5°	111.9	111.9	108.0	100.3	92.6	81.0	65.6	54.0	34.7	27.0
75°	92.6	92.6	88.7	81.0	77.1	69.4	57.9	42.4	27.0	11.6
77.5°	77.1	77.1	73.3	69.4	65.6	57.9	50.1	34.7	19.3	7.7
80°	57.9	61.7	61.7	61.7	54.0	50.1	46.3	34.7	15.4	3.9
82.5°	42.4	46.3	46.3	46.3	42.4	38.6	42.4	30.9	15.4	3.9
85°	30.9	30.9	34.7	34.7	34.7	34.7	46.3	34.7	11.6	3.9
87.5°	15.4	15.4	15.4	15.4	15.4	19.3	23.1	19.3	7.7	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°  
149942.9  
*149121.3*  
148199.4  
145993.0  
142047.1  
136284.4  
128631.6  
119354.9  
104855.5  
91366.7  
76890.4  
42514.6  
21592.9  
13716.4  
9442.5  
5917.0  
3186.1  
1643.2  
910.3  
651.9  
563.2  
482.2  
412.7  
351.0  
297.0  
258.4  
227.6  
204.4  
181.3  
165.9  
138.9  
104.1  
81.0  
54.0  
38.6  
23.1  
11.6  
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