

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: P636041

Luminaire Tested: **IFLD-S-SA2A-935-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636041  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-935-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (32) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5825.1 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

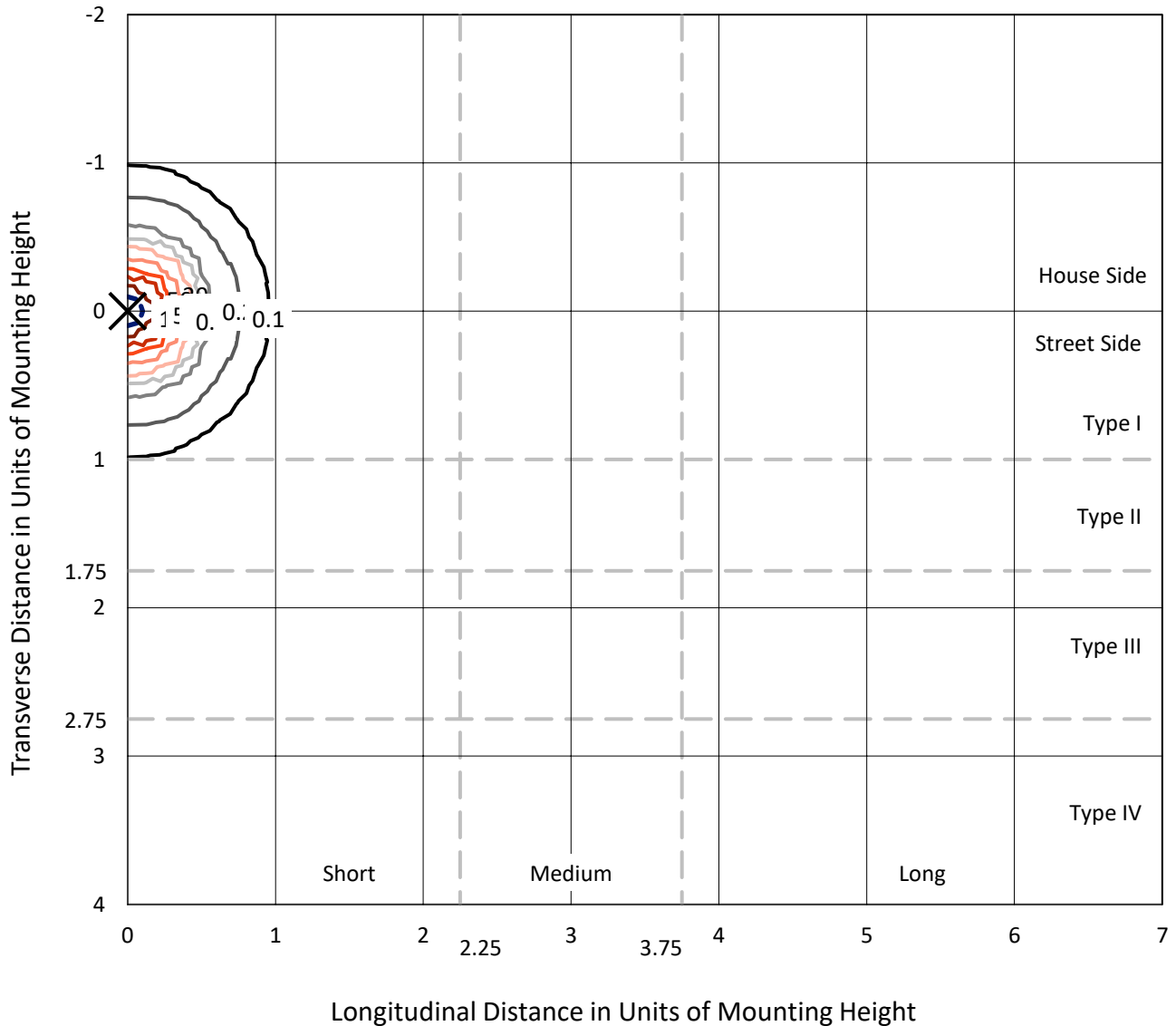
Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

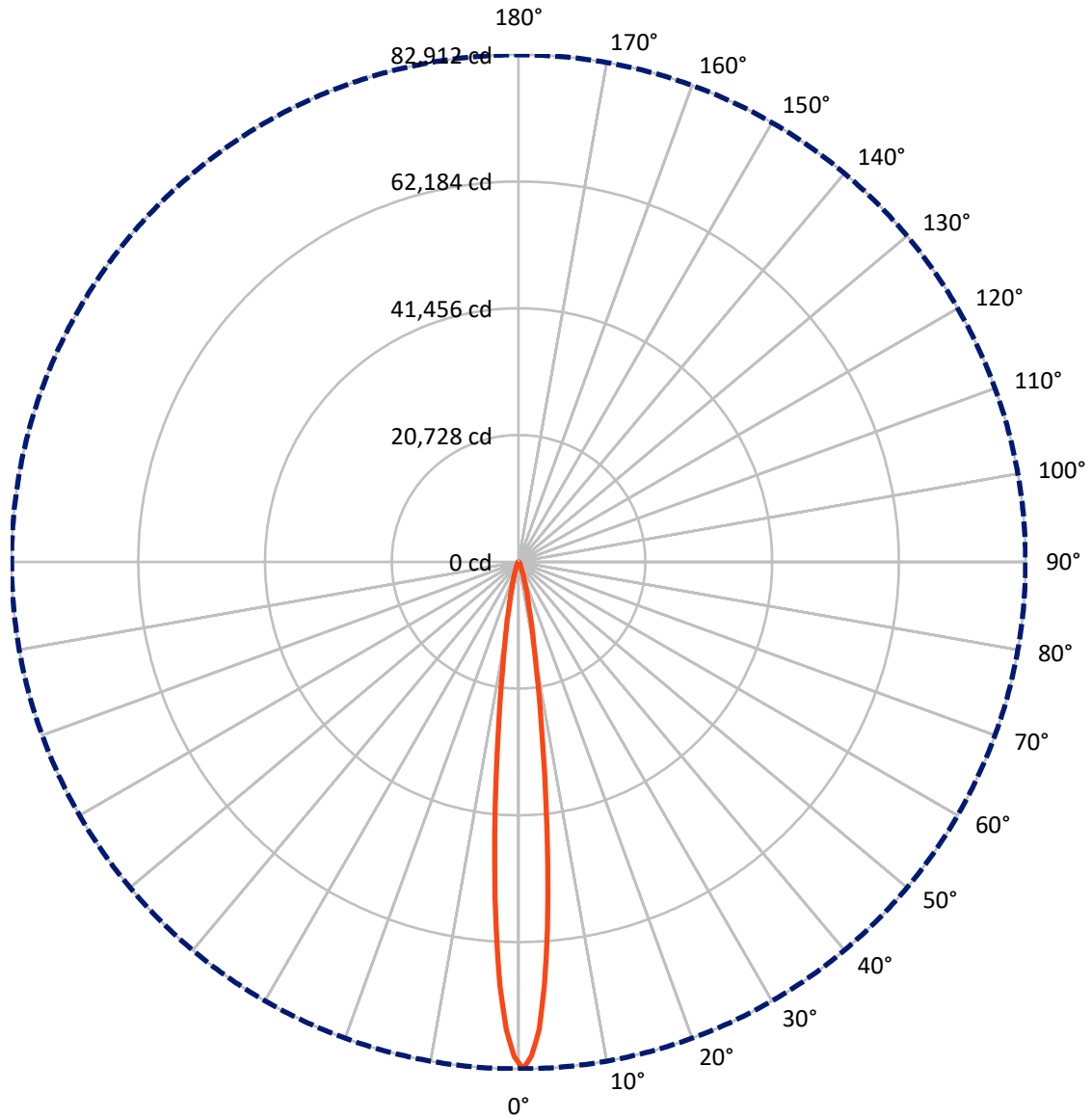
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 207.3 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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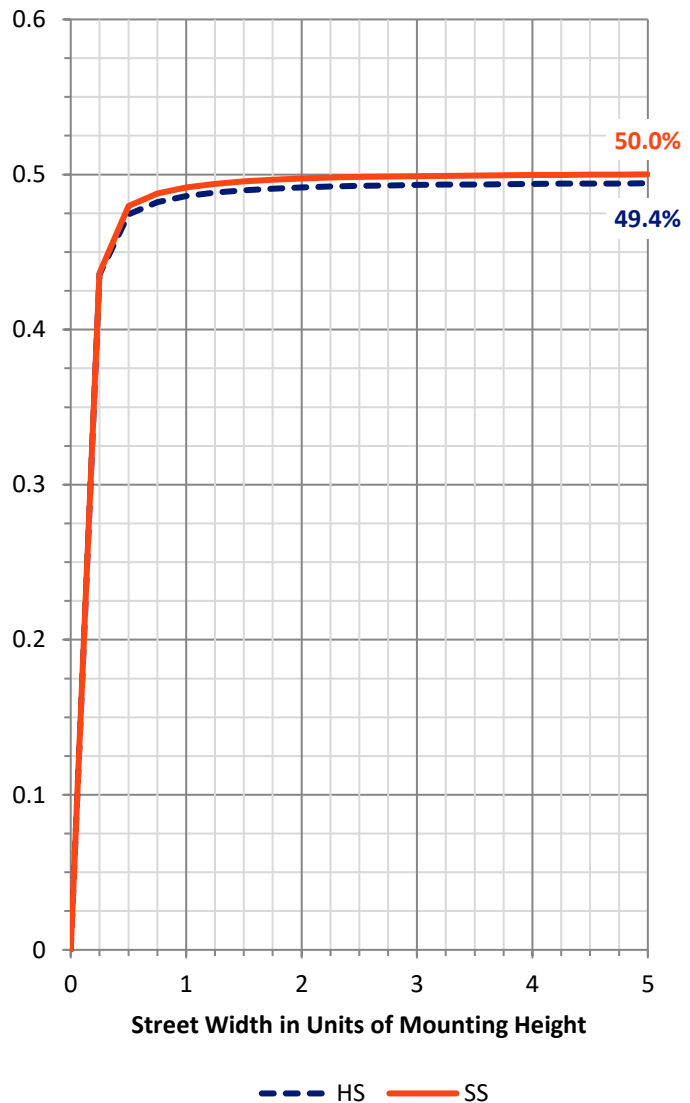
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2912.5	0.0	2912.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2912.5	0.0	2912.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5825.1	0.0	5825.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3550.8	61.0
10°-20°	1590.8	27.3
20°-30°	355.3	6.1
30°-40°	116.0	2.0
40°-50°	80.0	1.4
50°-60°	60.4	1.0
60°-70°	41.4	0.7
70°-80°	21.8	0.4
80°-90°	8.7	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°	5825.1	100.0
0°-180°	5825.1	100.0

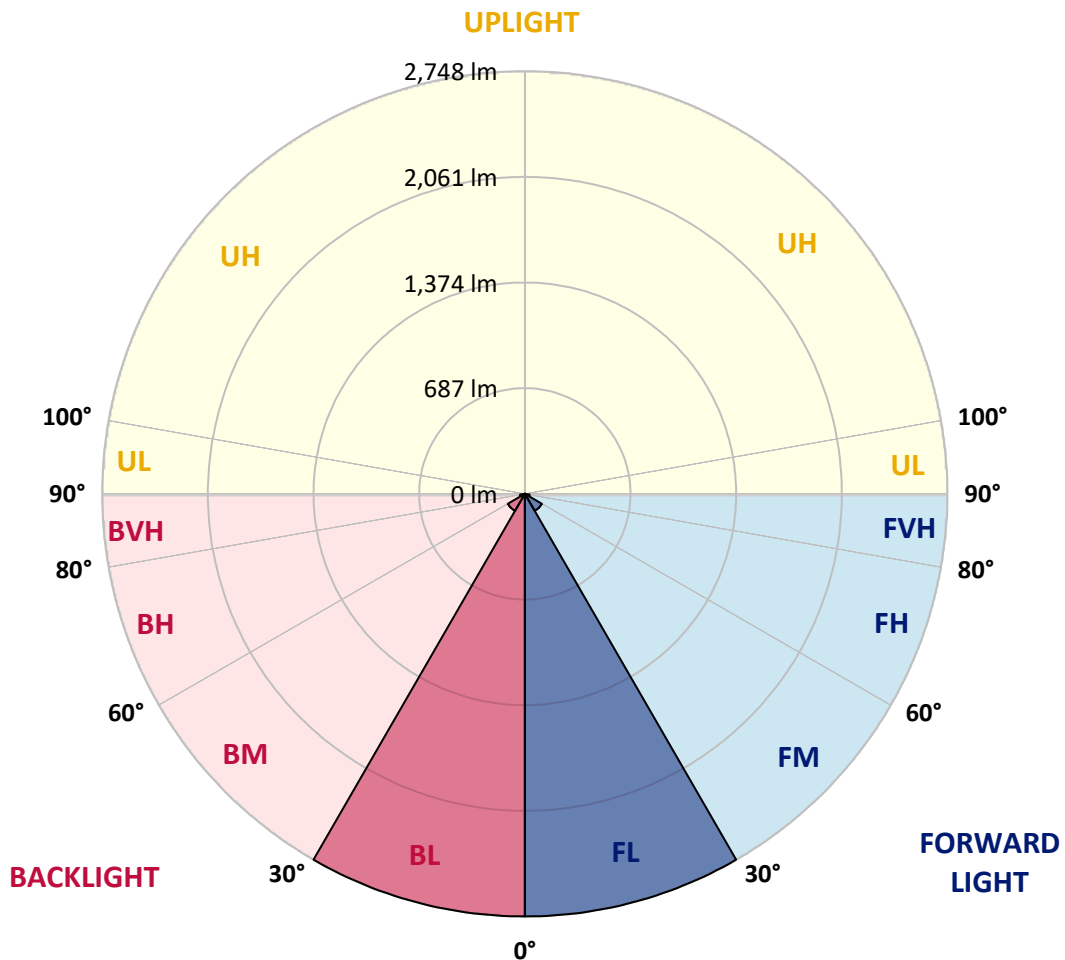


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2748.4	47.2			
FM (30°-60°)	128.2	2.2			
FH (60°-80°)	31.6	0.5			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	2748.4	47.2	B4/5000		
BM (30°-60°)	128.2	2.2	B0/220		
BH (60°-80°)	31.6	0.5	B0/110		G0/660
BVH (80°-90°)	4.3	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°	82911.6	82911.6	82911.6	82911.6	82911.6	82911.6	82911.6	82911.6	82911.6	82911.6
1°	80853.1	80963.1	80840.7	81459.1	81714.3	81847.1	81862.7	82211.3	81942.6	82017.3
2°	76591.9	76836.8	76426.9	76823.3	77616.0	77915.8	77427.1	78031.0	77815.2	77940.7
3°	69431.8	69731.6	69165.1	69649.7	70669.6	70897.8	70096.9	70954.9	70933.1	71113.7
4°	60202.8	60689.4	59880.1	60453.9	60905.2	61700.0	60923.9	61900.2	61881.5	62194.9
5°	49726.6	50252.7	49549.2	50144.8	50572.2	50867.9	50583.7	51663.7	51732.2	52055.9
6°	39475.7	39966.4	39181.0	39749.6	40427.1	40548.5	40474.8	41404.5	41610.9	41358.8
7°	30380.5	30502.9	30379.5	30896.2	31439.8	31459.5	31555.0	32372.6	32554.2	32467.0
8°	23267.1	22706.8	23188.2	23462.1	23630.2	24402.1	24459.2	24871.1	25205.2	25229.1
9°	17711.0	17192.2	17749.4	17858.3	18244.3	18930.1	18844.0	19294.3	19503.9	19490.4
10°	13502.7	13239.1	13518.2	13638.6	13956.1	14537.1	14637.8	14844.2	14999.9	15101.5
12.5°	7327.2	7388.4	7550.2	7676.8	8104.3	8258.9	8321.1	8338.8	8337.7	8354.3
15°	4551.7	4601.5	4714.6	4943.9	5204.3	5396.3	5423.3	5323.7	5237.6	5224.1
17.5°	2838.7	2819.0	3084.6	3335.7	3649.1	3748.7	3644.9	3530.8	3413.5	3346.1
20°	1703.7	1717.1	1807.4	1919.5	2172.6	2344.9	2237.0	2120.8	1999.4	1919.5
22.5°	968.0	982.6	1022.0	1080.1	1176.6	1333.3	1264.8	1147.5	1061.4	1026.1
25°	571.7	571.7	595.6	621.5	662.0	698.3	683.7	621.5	570.7	556.1
27.5°	370.4	367.3	375.6	388.0	406.7	408.8	392.2	373.5	347.6	338.2
30°	270.8	271.8	270.8	276.0	275.0	267.7	257.3	258.3	248.0	246.9
32.5°	220.0	221.0	221.0	220.0	214.8	203.4	196.1	203.4	201.3	199.2
35°	182.6	183.6	194.0	193.0	184.7	172.2	167.0	175.3	181.6	172.2
37.5°	157.7	158.7	167.0	171.2	160.8	152.5	146.3	153.6	162.9	152.5
40°	139.0	140.1	142.1	143.2	138.0	133.8	130.7	132.8	137.0	131.8
42.5°	122.4	121.4	122.4	121.4	115.2	117.2	115.2	112.1	115.2	111.0
45°	106.9	106.9	106.9	103.8	97.5	101.7	99.6	96.5	97.5	94.4
47.5°	97.5	97.5	97.5	93.4	88.2	88.2	89.2	84.0	85.1	84.0
50°	88.2	88.2	90.3	86.1	82.0	78.9	79.9	75.7	76.8	75.7
52.5°	80.9	80.9	80.9	78.9	75.7	73.7	71.6	69.5	68.5	67.4
55°	77.8	77.8	76.8	70.6	69.5	67.4	63.3	62.3	60.2	59.1
57.5°	72.6	72.6	71.6	66.4	62.3	62.3	56.0	55.0	51.9	51.9
60°	64.3	64.3	63.3	62.3	57.1	54.0	49.8	47.7	44.6	43.6
62.5°	61.2	61.2	59.1	54.0	52.9	47.7	43.6	39.4	37.4	35.3
65°	57.1	56.0	55.0	49.8	45.7	42.5	37.4	32.2	30.1	25.9
67.5°	50.8	50.8	49.8	45.7	41.5	36.3	31.1	27.0	21.8	18.7
70°	44.6	43.6	43.6	39.4	36.3	32.2	24.9	20.8	15.6	12.5
72.5°	37.4	37.4	36.3	33.2	31.1	28.0	21.8	16.6	10.4	8.3
75°	30.1	30.1	29.1	27.0	25.9	22.8	18.7	14.5	8.3	4.2
77.5°	24.9	23.9	23.9	21.8	20.8	18.7	15.6	11.4	6.2	3.1
80°	18.7	18.7	19.7	18.7	16.6	15.6	13.5	10.4	5.2	2.1
82.5°	13.5	13.5	14.5	14.5	14.5	13.5	13.5	10.4	5.2	1.0
85°	9.3	9.3	11.4	10.4	10.4	11.4	16.6	13.5	4.2	1.0
87.5°	5.2	5.2	5.2	4.2	4.2	5.2	6.2	5.2	2.1	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
82911.6  
81468.4  
77492.5  
70629.1  
61645.0  
51437.6  
41384.7  
32347.7  
24928.2  
19807.9  
15161.7  
8367.8  
5182.6  
3335.7  
1937.1  
1030.3  
554.1  
338.2  
245.9  
195.1  
170.2  
151.5  
129.7  
111.0  
94.4  
84.0  
75.7  
67.4  
58.1  
51.9  
41.5  
34.2  
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