

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: P635989

Luminaire Tested: **IFLD-S-SA3B-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P635989  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (48) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10236.4 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

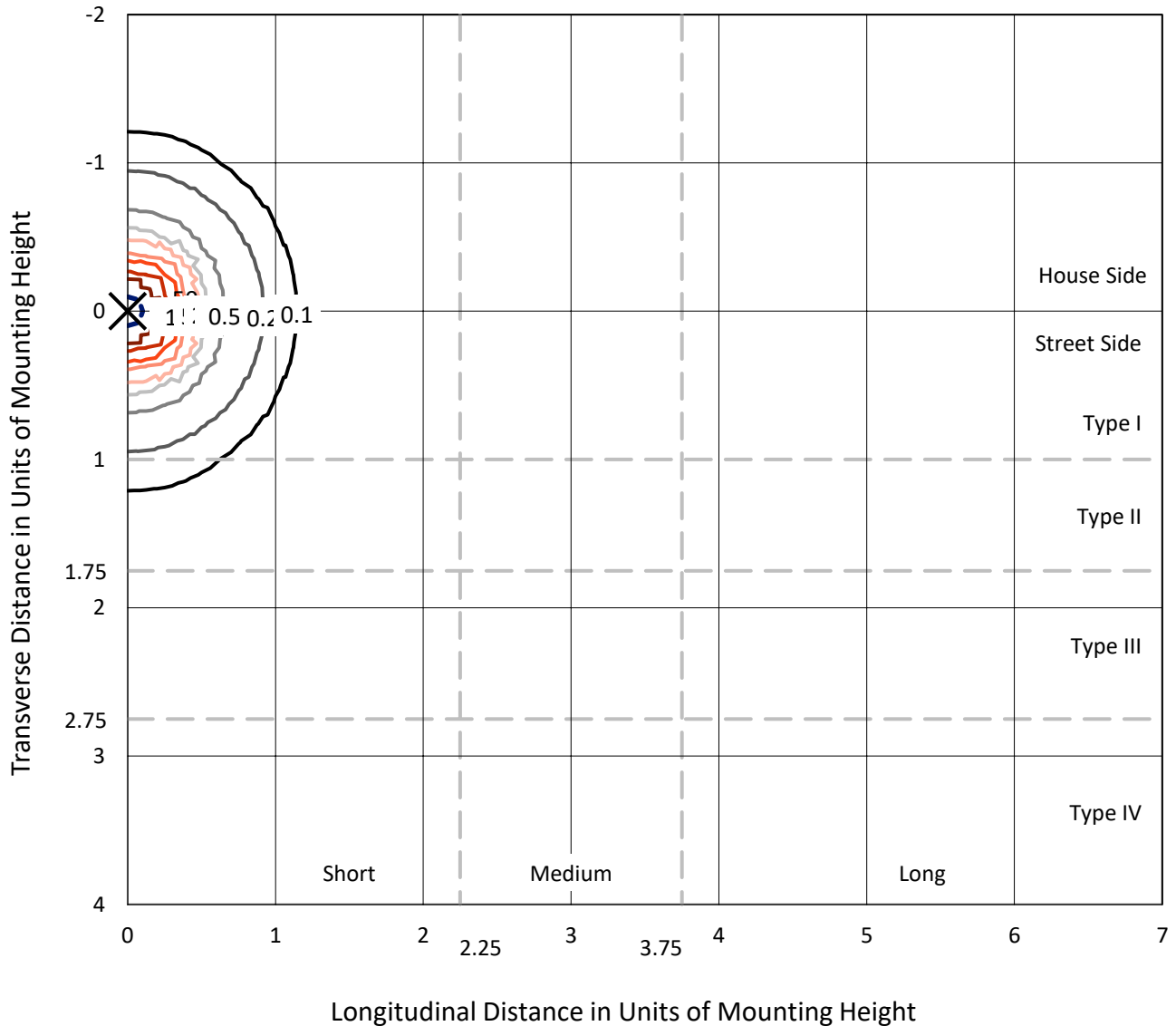
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

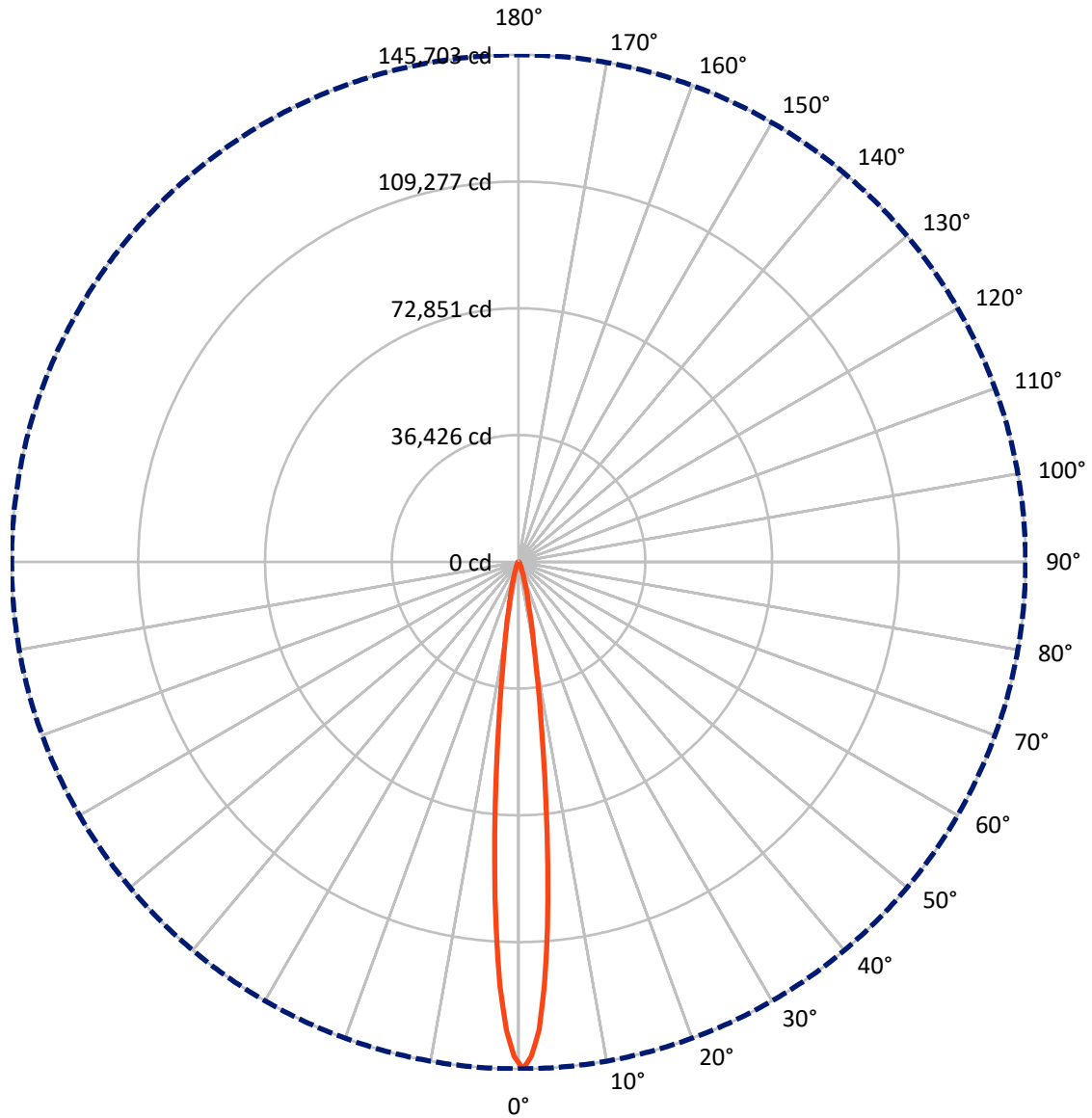
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 364.3 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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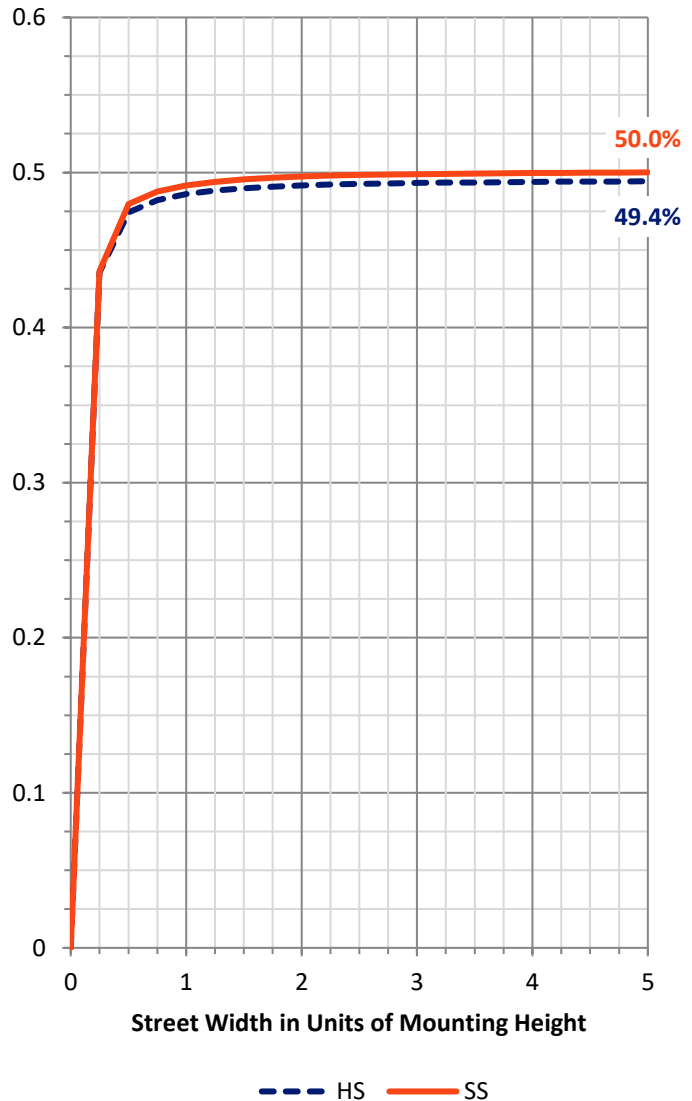
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5118.2	0.0	5118.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5118.2	0.0	5118.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10236.4	0.0	10236.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6240.0	61.0
10°-20°	2795.5	27.3
20°-30°	624.3	6.1
30°-40°	203.8	2.0
40°-50°	140.5	1.4
50°-60°	106.2	1.0
60°-70°	72.7	0.7
70°-80°	38.3	0.4
80°-90°	15.3	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°	10236.4	100.0
0°-180°	10236.4	100.0

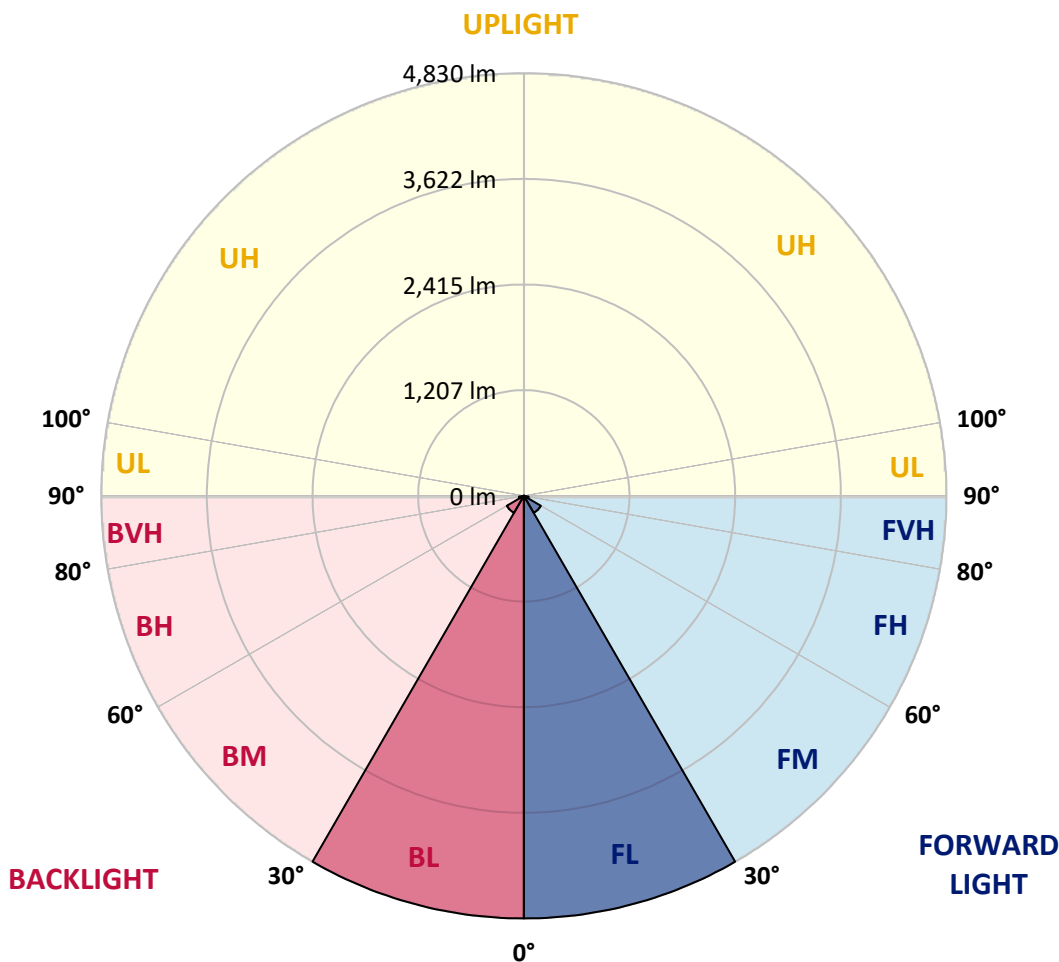


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4829.9	47.2			
FM (30°-60°)	225.2	2.2			
FH (60°-80°)	55.5	0.5			G0/660
FVH (80°-90°)	7.6	0.1			G0/10
BL (0°-30°)	4829.9	47.2	B4/5000		
BM (30°-60°)	225.2	2.2	B1/1000		
BH (60°-80°)	55.5	0.5	B0/110		G0/660
BVH (80°-90°)	7.6	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°	145702.7	145702.7	145702.7	145702.7	145702.7	145702.7	145702.7	145702.7	145702.7	145702.7
1°	142085.3	142278.5	142063.4	143150.1	143598.6	143832.0	143859.3	144472.0	143999.7	144131.0
2°	134596.9	135027.2	134307.0	135003.5	136396.5	136923.5	136064.7	137125.8	136746.6	136967.2
3°	122014.2	122541.2	121545.6	122397.1	124189.4	124590.6	123183.0	124690.9	124652.6	124969.8
4°	105795.9	106651.0	105228.8	106237.1	107030.3	108426.9	107063.1	108778.8	108746.0	109296.6
5°	87385.9	88310.3	87074.1	88120.7	88871.9	89391.5	88891.9	90790.0	90910.3	91479.2
6°	69371.6	70234.0	68853.7	69852.9	71043.5	71256.9	71127.4	72761.1	73123.9	72680.9
7°	53388.4	53603.6	53386.6	54294.6	55250.0	55284.6	55452.4	56889.2	57208.2	57055.1
8°	40887.8	39903.2	40749.2	41230.6	41525.9	42882.5	42982.8	43706.6	44293.7	44335.7
9°	31123.9	30212.3	31191.4	31382.8	32061.1	33266.3	33115.0	33906.3	34274.6	34250.9
10°	23728.6	23265.5	23755.9	23967.4	24525.4	25546.4	25723.3	26086.1	26359.6	26538.3
12.5°	12876.2	12983.8	13268.2	13490.7	14241.9	14513.6	14623.0	14654.0	14652.1	14681.3
15°	7998.9	8086.4	8285.1	8688.1	9145.7	9483.0	9530.5	9355.4	9204.1	9180.4
17.5°	4988.6	4953.9	5420.7	5861.9	6412.6	6587.6	6405.3	6204.7	5998.7	5880.2
20°	2993.9	3017.6	3176.2	3373.1	3818.0	4120.7	3931.1	3726.9	3513.5	3373.1
22.5°	1701.2	1726.7	1796.0	1898.1	2067.6	2343.0	2222.6	2016.6	1865.2	1803.3
25°	1004.6	1004.6	1046.6	1092.2	1163.3	1227.1	1201.6	1092.2	1002.8	977.3
27.5°	650.9	645.5	660.0	681.9	714.7	718.4	689.2	656.4	610.8	594.4
30°	475.9	477.7	475.9	485.0	483.2	470.4	452.2	454.0	435.8	433.9
32.5°	386.5	388.4	388.4	386.5	377.4	357.4	344.6	357.4	353.7	350.1
35°	320.9	322.7	341.0	339.1	324.5	302.7	293.6	308.1	319.1	302.7
37.5°	277.1	279.0	293.6	300.8	282.6	268.0	257.1	269.9	286.3	268.0
40°	244.3	246.1	249.8	251.6	242.5	235.2	229.7	233.4	240.7	231.6
42.5°	215.2	213.3	215.2	213.3	202.4	206.0	202.4	196.9	202.4	195.1
45°	187.8	187.8	187.8	182.3	171.4	178.7	175.0	169.6	171.4	165.9
47.5°	171.4	171.4	171.4	164.1	155.0	155.0	156.8	147.7	149.5	147.7
50°	155.0	155.0	158.6	151.3	144.0	138.6	140.4	133.1	134.9	133.1
52.5°	142.2	142.2	142.2	138.6	133.1	129.5	125.8	122.2	120.3	118.5
55°	136.7	136.7	134.9	124.0	122.2	118.5	111.2	109.4	105.8	103.9
57.5°	127.6	127.6	125.8	116.7	109.4	109.4	98.5	96.6	91.2	91.2
60°	113.0	113.0	111.2	109.4	100.3	94.8	87.5	83.9	78.4	76.6
62.5°	107.6	107.6	103.9	94.8	93.0	83.9	76.6	69.3	65.6	62.0
65°	100.3	98.5	96.6	87.5	80.2	74.8	65.6	56.5	52.9	45.6
67.5°	89.3	89.3	87.5	80.2	72.9	63.8	54.7	47.4	38.3	32.8
70°	78.4	76.6	76.6	69.3	63.8	56.5	43.8	36.5	27.3	21.9
72.5°	65.6	65.6	63.8	58.3	54.7	49.2	38.3	29.2	18.2	14.6
75°	52.9	52.9	51.1	47.4	45.6	40.1	32.8	25.5	14.6	7.3
77.5°	43.8	41.9	41.9	38.3	36.5	32.8	27.3	20.1	10.9	5.5
80°	32.8	32.8	34.6	32.8	29.2	27.3	23.7	18.2	9.1	3.6
82.5°	23.7	23.7	25.5	25.5	25.5	23.7	23.7	18.2	9.1	1.8
85°	16.4	16.4	20.1	18.2	18.2	20.1	29.2	23.7	7.3	1.8
87.5°	9.1	9.1	9.1	7.3	7.3	9.1	10.9	9.1	3.6	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
145702.7  
143166.5  
136179.5  
124118.3  
108330.3  
90392.5  
72726.5  
56845.4  
43806.9  
34808.9  
26644.1  
14705.0  
9107.4  
5861.9  
3404.1  
1810.5  
973.6  
594.4  
432.1  
342.8  
299.0  
266.2  
227.9  
195.1  
165.9  
147.7  
133.1  
118.5  
102.1  
91.2  
72.9  
60.2  
43.8  
32.8  
21.9  
12.8  
7.3  
3.6  
1.8  
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