

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: P636141

Luminaire Tested: **IFLD-S-SA6D-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636141  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27701 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

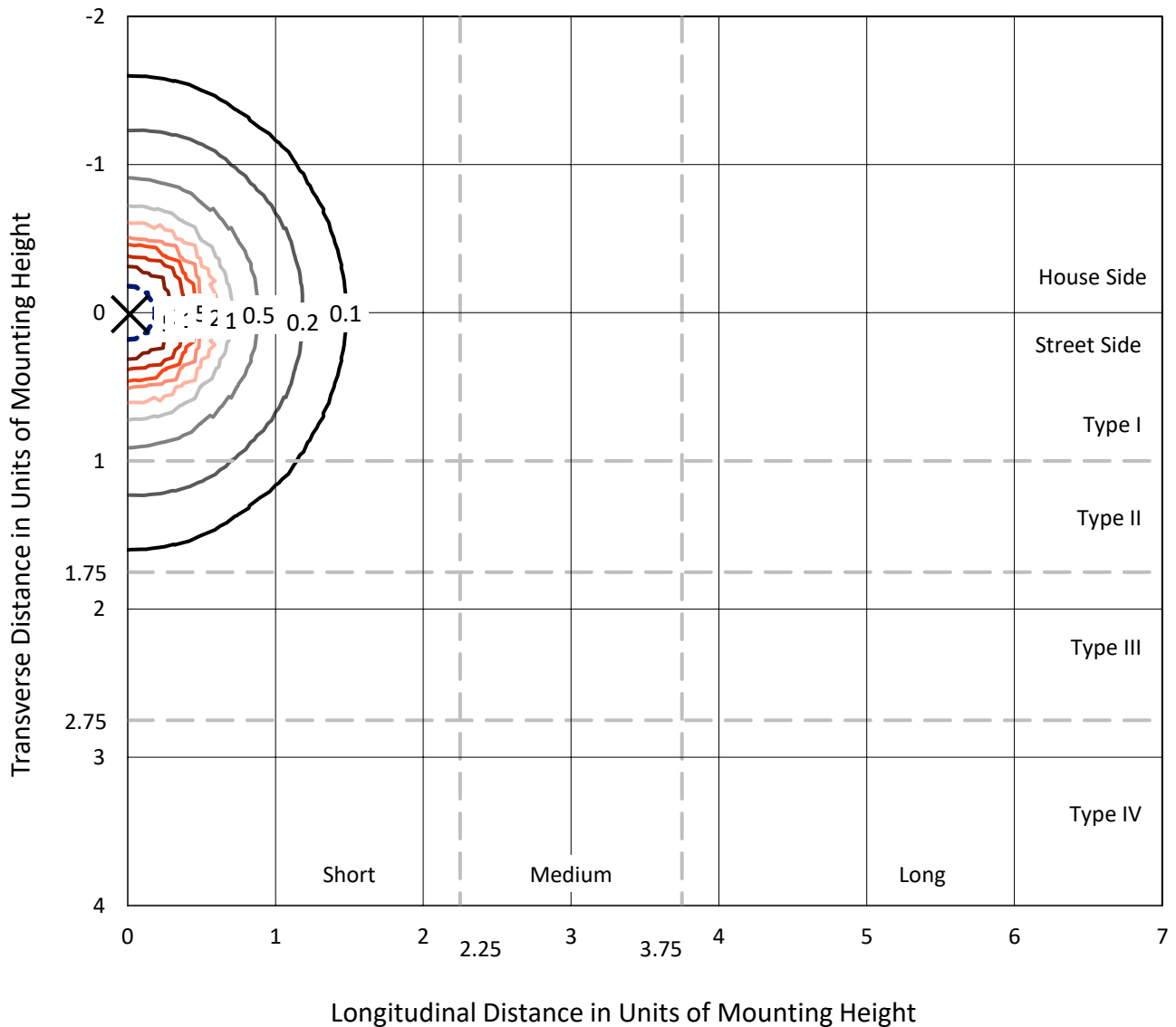
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

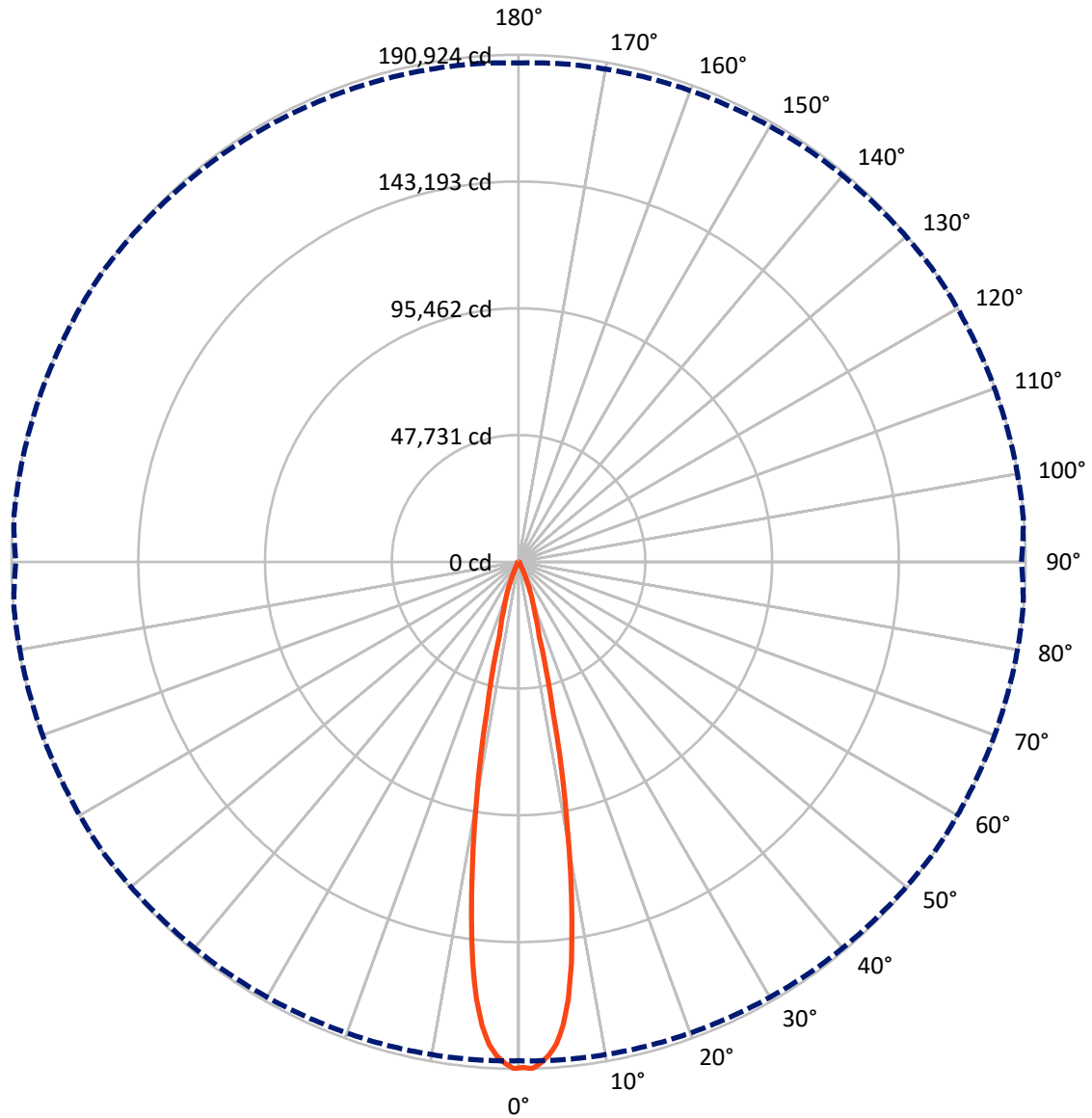
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 476.1 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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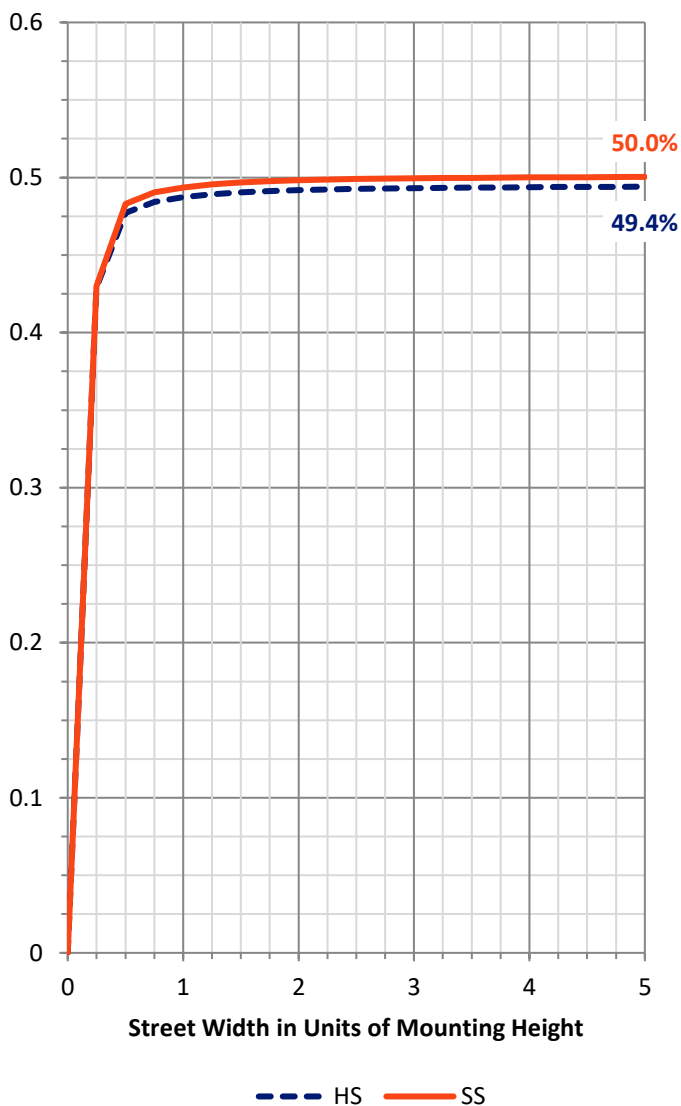
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13850.5	0.0	13850.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13850.5	0.0	13850.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27701.0	0.0	27701.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14074.2	50.8
10°-20°	9974.5	36.0
20°-30°	2337.2	8.4
30°-40°	488.5	1.8
40°-50°	315.1	1.1
50°-60°	233.4	0.8
60°-70°	158.7	0.6
70°-80°	84.7	0.3
80°-90°	34.7	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°	27701.0	100.0
0°-180°	27701.0	100.0

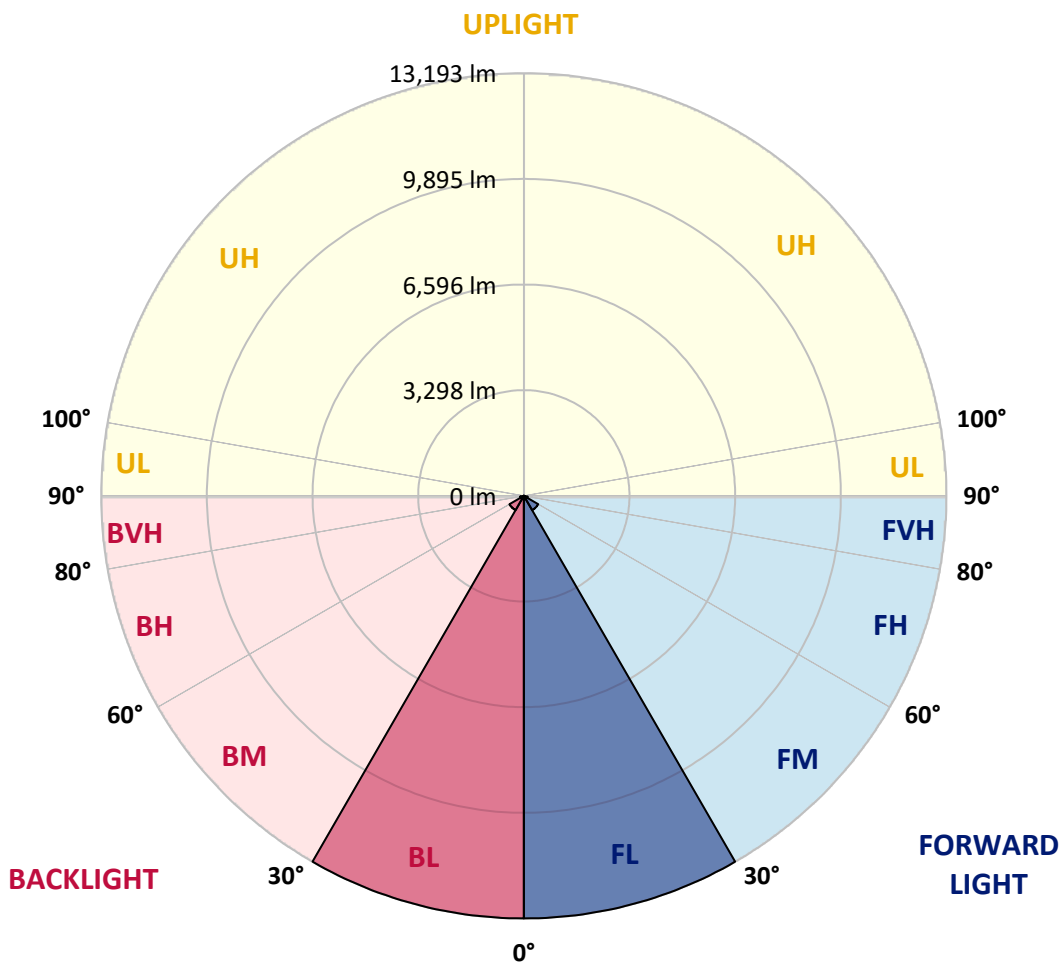


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13192.9	47.6			
FM (30°-60°)	518.5	1.9			
FH (60°-80°)	121.7	0.4			G0/660
FVH (80°-90°)	17.4	0.1			G1/100
BL (0°-30°)	13192.9	47.6	B5		
BM (30°-60°)	518.5	1.9	B1/1000		
BH (60°-80°)	121.7	0.4	B1/500		G0/660
BVH (80°-90°)	17.4	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°	190434.0	190434.0	190434.0	190434.0	190434.0	190434.0	190434.0	190434.0	190434.0	190434.0
1°	187871.9	188219.7	188645.9	189032.9	189615.9	190091.1	190923.9	190747.5	190723.0	190757.3
2°	184232.0	184668.0	185324.5	185711.5	187215.4	187832.7	189091.7	189464.0	189165.2	189503.2
3°	178779.6	179137.2	180166.0	180925.3	182875.0	184540.7	186225.9	186784.3	186436.5	186593.3
4°	172288.6	172656.0	173900.3	175448.3	178265.2	180112.1	182130.4	182630.1	181493.6	181571.9
5°	164563.0	164734.5	166258.1	167668.9	171039.4	173278.1	175193.6	175350.4	174311.8	173915.0
6°	155872.4	155563.8	156964.9	157562.6	161751.1	164034.0	165435.0	165253.8	164465.1	164127.0
7°	145545.6	145124.3	146255.9	145932.6	149641.1	150944.2	152291.4	151674.1	151047.0	151826.0
8°	133597.2	133362.1	132632.2	133954.9	134689.7	135855.6	135850.7	135493.1	135473.5	136771.7
9°	116225.8	118396.0	117754.3	119140.7	118954.5	118900.6	118543.0	118312.8	117333.0	118827.1
10°	97149.6	98570.3	99652.9	101720.3	101318.6	101886.8	99897.9	100235.9	99584.4	100818.9
12.5°	50287.0	51884.0	52819.7	54397.1	56131.3	57904.7	57331.5	56738.8	55852.1	56939.6
15°	24754.0	25386.0	25684.8	27286.7	28521.3	28967.1	29035.6	28511.5	28286.1	28521.3
17.5°	15191.4	15411.9	16279.0	18120.9	19188.9	19453.4	19282.0	18708.8	18067.1	17797.6
20°	10998.0	11061.7	11389.9	11747.5	13173.1	13917.7	13643.4	13080.0	12487.2	12208.0
22.5°	7181.8	7245.4	7353.2	7549.2	7931.3	8852.3	8553.4	8171.3	7769.6	7686.3
25°	4066.1	4066.1	4178.7	4379.6	4663.7	4732.3	4791.1	4384.5	4198.3	4115.1
27.5°	2268.2	2282.9	2307.4	2385.8	2527.8	2513.1	2449.4	2341.7	2214.3	2082.0
30°	1254.1	1268.8	1283.5	1303.1	1327.6	1283.5	1244.3	1224.7	1170.8	1156.1
32.5°	940.6	940.6	950.4	945.5	921.0	867.1	842.6	872.0	867.1	842.6
35°	774.0	774.0	783.8	803.4	754.4	715.2	695.6	734.8	734.8	720.1
37.5°	632.0	636.9	641.8	666.2	651.6	607.5	602.6	612.4	617.3	612.4
40°	553.6	548.7	548.7	553.6	543.8	534.0	524.2	519.3	524.2	519.3
42.5°	480.1	475.2	485.0	475.2	455.6	460.5	460.5	445.8	450.7	440.9
45°	421.3	416.4	421.3	411.5	396.8	401.7	401.7	382.1	382.1	377.2
47.5°	372.3	372.3	372.3	377.2	352.7	347.8	352.7	347.8	333.1	328.2
50°	323.3	328.2	333.1	342.9	318.4	308.6	308.6	308.6	298.8	293.9
52.5°	298.8	303.7	303.7	303.7	289.0	279.2	279.2	274.3	269.4	264.5
55°	289.0	289.0	289.0	269.4	264.5	259.6	244.9	240.0	235.1	235.1
57.5°	274.3	274.3	269.4	254.7	240.0	240.0	220.4	215.6	210.7	210.7
60°	244.9	244.9	244.9	240.0	220.4	215.6	196.0	186.2	181.3	181.3
62.5°	225.3	225.3	225.3	205.8	200.9	186.2	171.5	156.8	151.9	142.1
65°	205.8	205.8	205.8	186.2	176.4	161.7	142.1	127.4	117.6	102.9
67.5°	191.1	191.1	186.2	171.5	156.8	137.2	117.6	102.9	83.3	73.5
70°	166.6	166.6	161.7	151.9	137.2	122.5	98.0	78.4	63.7	49.0
72.5°	142.1	142.1	137.2	127.4	117.6	102.9	83.3	68.6	44.1	34.3
75°	117.6	117.6	112.7	102.9	98.0	88.2	73.5	53.9	34.3	14.7
77.5°	98.0	98.0	93.1	88.2	83.3	73.5	63.7	44.1	24.5	9.8
80°	73.5	78.4	78.4	78.4	68.6	63.7	58.8	44.1	19.6	4.9
82.5°	53.9	58.8	58.8	58.8	53.9	49.0	53.9	39.2	19.6	4.9
85°	39.2	39.2	44.1	44.1	44.1	44.1	58.8	44.1	14.7	4.9
87.5°	19.6	19.6	19.6	19.6	19.6	24.5	29.4	24.5	9.8	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°  
190434.0  
*189390.5*  
188219.7  
185417.6  
180406.0  
173087.1  
163367.7  
151585.9  
133171.0  
116039.7  
97654.2  
53995.4  
27423.9  
17420.4  
11992.4  
7514.9  
4046.5  
2086.9  
1156.1  
827.9  
715.2  
612.4  
524.2  
445.8  
377.2  
328.2  
289.0  
259.6  
230.2  
210.7  
176.4  
132.3  
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