

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: P636247

Luminaire Tested: **IFLD-S-SA2D-950-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636247
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-950-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (32) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10814.9 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

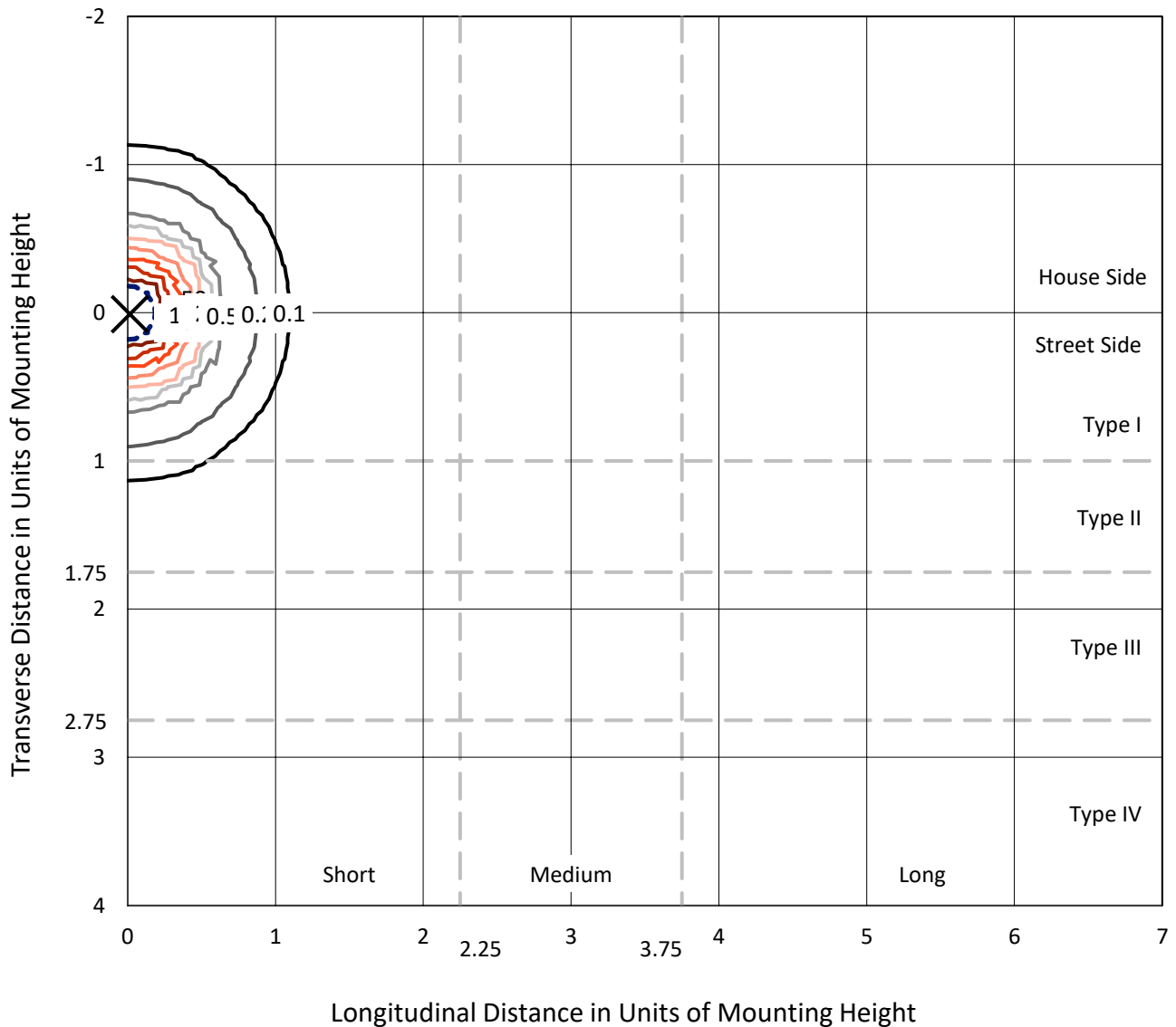
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

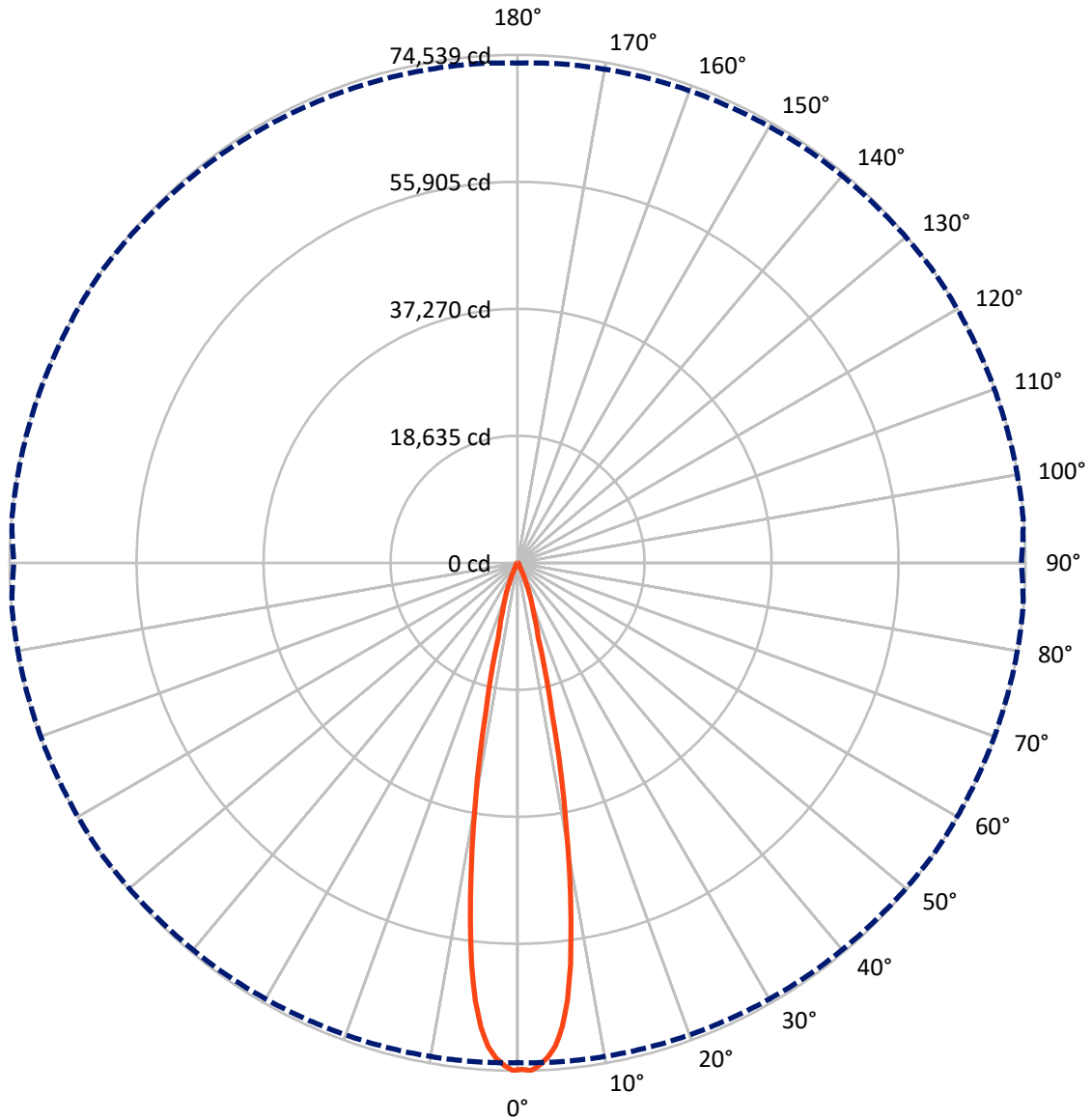
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 185.9 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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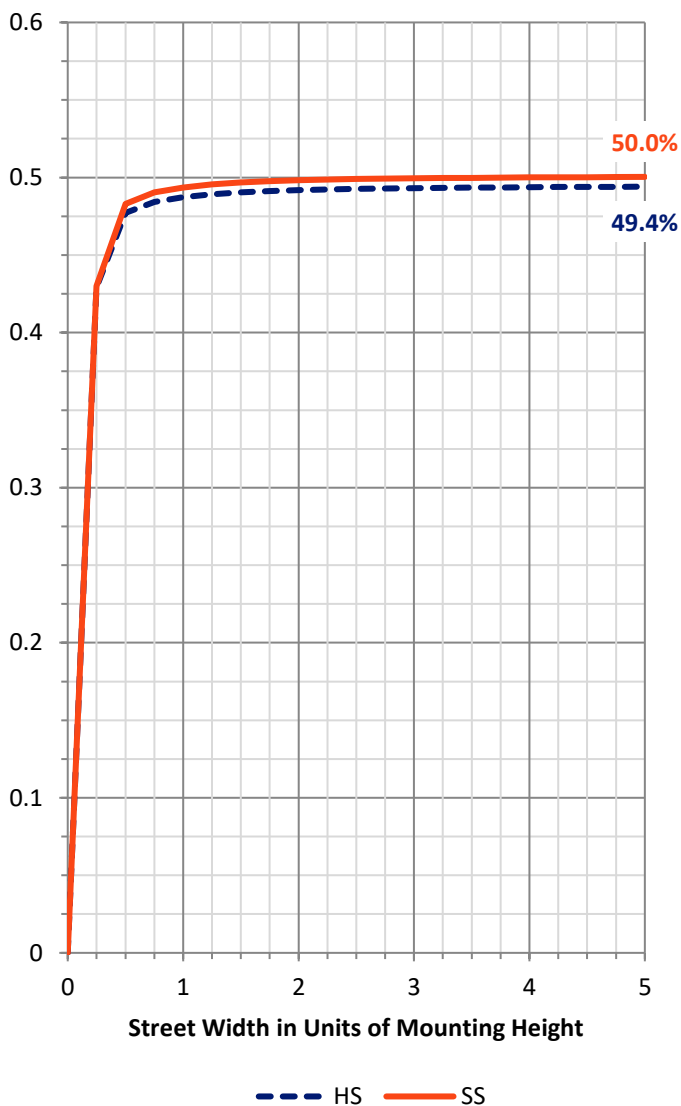
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5407.4	0.0	5407.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5407.4	0.0	5407.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	10814.9	0.0	10814.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5494.8	50.8
10°-20°	3894.2	36.0
20°-30°	912.5	8.4
30°-40°	190.7	1.8
40°-50°	123.0	1.1
50°-60°	91.1	0.8
60°-70°	61.9	0.6
70°-80°	33.1	0.3
80°-90°	13.6	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°	10814.9	100.0
0°-180°	10814.9	100.0

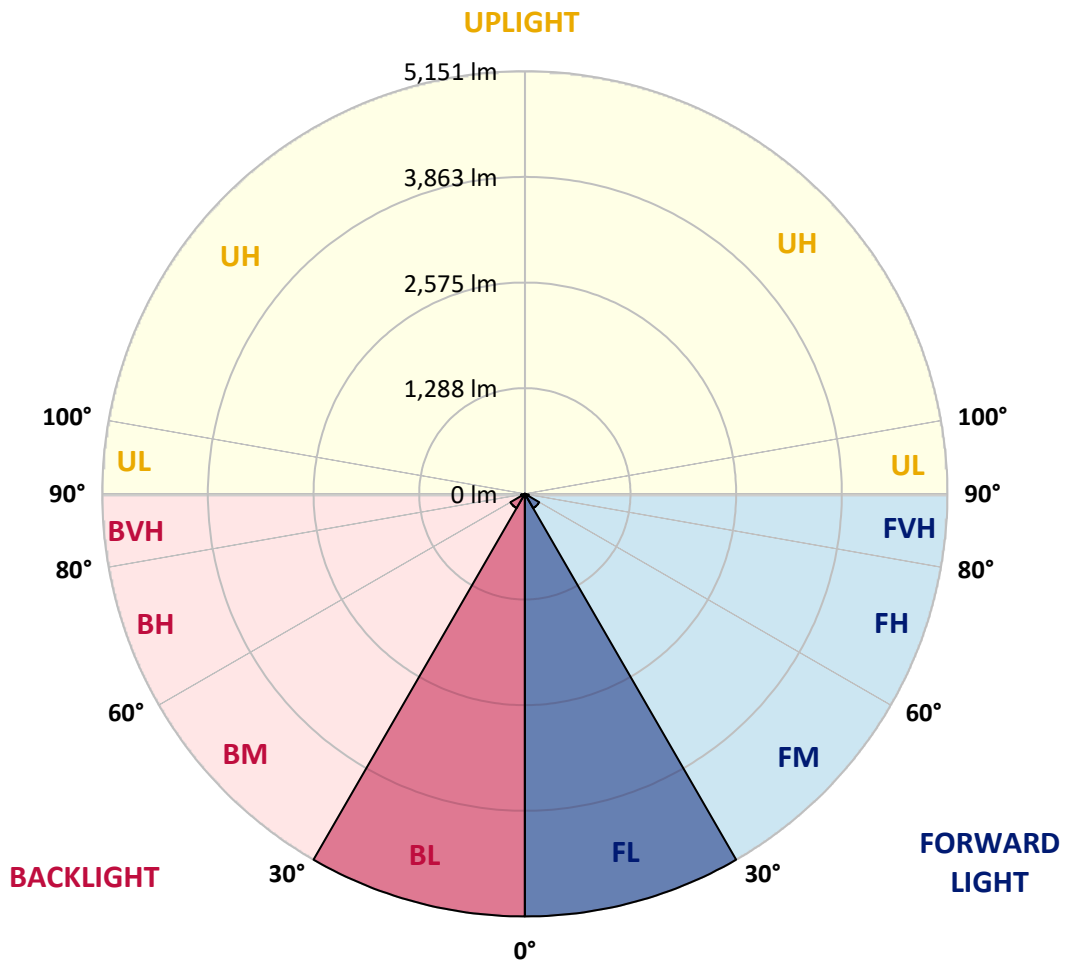


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5150.7	47.6			
FM (30°-60°)	202.4	1.9			
FH (60°-80°)	47.5	0.4			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	5150.7	47.6	B5		
BM (30°-60°)	202.4	1.9	B0/220		
BH (60°-80°)	47.5	0.4	B0/110		G0/660
BVH (80°-90°)	6.8	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	74348.1	74348.1	74348.1	74348.1	74348.1	74348.1	74348.1	74348.1	74348.1	74348.1
1°	73347.8	73483.6	73650.0	73801.1	74028.7	74214.2	74539.4	74470.5	74461.0	74474.4
2°	71926.8	72097.0	72353.3	72504.4	73091.5	73332.5	73824.1	73969.4	73852.8	73984.7
3°	69798.1	69937.7	70339.3	70635.8	71397.0	72047.3	72705.2	72923.2	72787.4	72848.7
4°	67263.9	67407.3	67893.1	68497.5	69597.2	70318.3	71106.3	71301.4	70857.6	70888.2
5°	64247.7	64314.7	64909.5	65460.3	66776.2	67650.2	68398.1	68459.3	68053.8	67898.9
6°	60854.8	60734.3	61281.3	61514.6	63149.9	64041.2	64588.2	64517.4	64209.5	64077.5
7°	56823.1	56658.6	57100.4	56974.2	58422.0	58930.7	59456.7	59215.7	58970.9	59275.0
8°	52158.2	52066.4	51781.5	52297.9	52584.8	53040.0	53038.0	52898.4	52890.8	53397.6
9°	45376.2	46223.5	45972.9	46514.2	46441.5	46420.5	46280.9	46191.0	45808.4	46391.8
10°	37928.6	38483.2	38905.9	39713.0	39556.2	39778.1	39001.5	39133.5	38879.1	39361.1
12.5°	19632.7	20256.2	20621.5	21237.4	21914.5	22606.8	22383.0	22151.6	21805.4	22230.0
15°	9664.3	9911.0	10027.7	10653.1	11135.1	11309.1	11335.9	11131.3	11043.3	11135.1
17.5°	5930.9	6017.0	6355.5	7074.7	7491.6	7594.9	7528.0	7304.2	7053.6	6948.4
20°	4293.8	4318.6	4446.8	4586.4	5143.0	5433.7	5326.6	5106.6	4875.2	4766.2
22.5°	2803.9	2828.7	2870.8	2947.3	3096.5	3456.1	3339.4	3190.2	3033.4	3000.9
25°	1587.4	1587.4	1631.4	1709.9	1820.8	1847.6	1870.5	1711.8	1639.1	1606.6
27.5°	885.5	891.3	900.8	931.4	986.9	981.2	956.3	914.2	864.5	812.9
30°	489.6	495.4	501.1	508.7	518.3	501.1	485.8	478.1	457.1	451.4
32.5°	367.2	367.2	371.0	369.1	359.6	338.5	329.0	340.4	338.5	329.0
35°	302.2	302.2	306.0	313.7	294.5	279.2	271.6	286.9	286.9	281.2
37.5°	246.7	248.6	250.5	260.1	254.4	237.2	235.2	239.1	241.0	239.1
40°	216.1	214.2	214.2	216.1	212.3	208.5	204.6	202.7	204.6	202.7
42.5°	187.4	185.5	189.3	185.5	177.9	179.8	179.8	174.0	176.0	172.1
45°	164.5	162.6	164.5	160.7	154.9	156.8	156.8	149.2	149.2	147.3
47.5°	145.4	145.4	145.4	147.3	137.7	135.8	137.7	135.8	130.1	128.1
50°	126.2	128.1	130.1	133.9	124.3	120.5	120.5	120.5	116.7	114.8
52.5°	116.7	118.6	118.6	118.6	112.8	109.0	109.0	107.1	105.2	103.3
55°	112.8	112.8	112.8	105.2	103.3	101.4	95.6	93.7	91.8	91.8
57.5°	107.1	107.1	105.2	99.5	93.7	93.7	86.1	84.2	82.2	82.2
60°	95.6	95.6	95.6	93.7	86.1	84.2	76.5	72.7	70.8	70.8
62.5°	88.0	88.0	88.0	80.3	78.4	72.7	66.9	61.2	59.3	55.5
65°	80.3	80.3	80.3	72.7	68.9	63.1	55.5	49.7	45.9	40.2
67.5°	74.6	74.6	72.7	66.9	61.2	53.6	45.9	40.2	32.5	28.7
70°	65.0	65.0	63.1	59.3	53.6	47.8	38.3	30.6	24.9	19.1
72.5°	55.5	55.5	53.6	49.7	45.9	40.2	32.5	26.8	17.2	13.4
75°	45.9	45.9	44.0	40.2	38.3	34.4	28.7	21.0	13.4	5.7
77.5°	38.3	38.3	36.3	34.4	32.5	28.7	24.9	17.2	9.6	3.8
80°	28.7	30.6	30.6	30.6	26.8	24.9	23.0	17.2	7.7	1.9
82.5°	21.0	23.0	23.0	23.0	21.0	19.1	21.0	15.3	7.7	1.9
85°	15.3	15.3	17.2	17.2	17.2	17.2	23.0	17.2	5.7	1.9
87.5°	7.7	7.7	7.7	7.7	7.7	9.6	11.5	9.6	3.8	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°
74348.1
73940.7
73483.6
72389.6
70433.0
67575.6
63781.1
59181.3
51991.9
45303.5
38125.6
21080.6
10706.7
6801.2
4682.0
2933.9
1579.8
814.8
451.4
323.2
279.2
239.1
204.6
174.0
147.3
128.1
112.8
101.4
89.9
82.2
68.9
51.6
40.2
26.8
19.1
11.5
5.7
1.9
1.9
1.9
1.9
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0.0

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