

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: P636044

Luminaire Tested: **IFLD-S-SA2D-935-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636044
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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: 9867.7 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

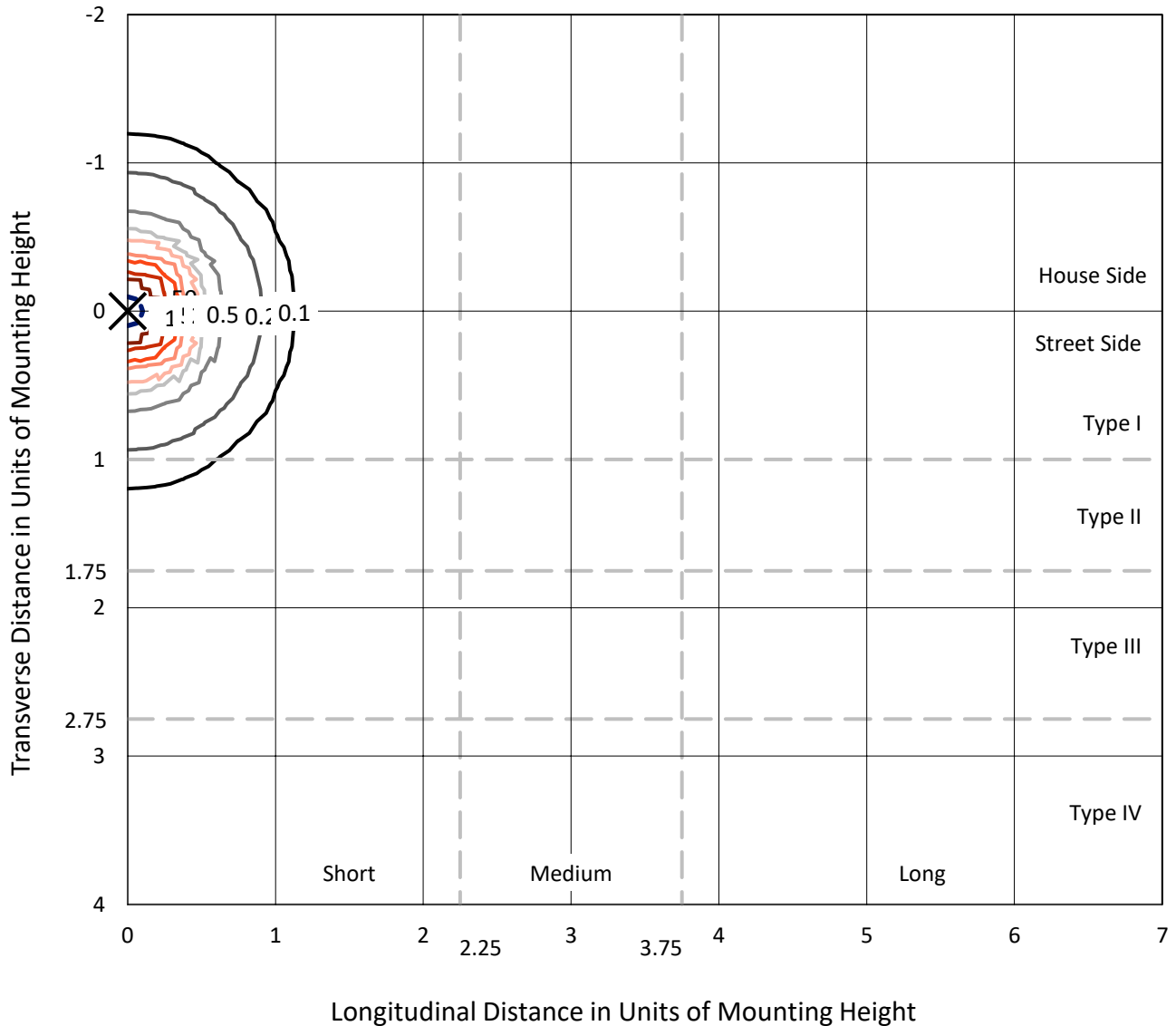
Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

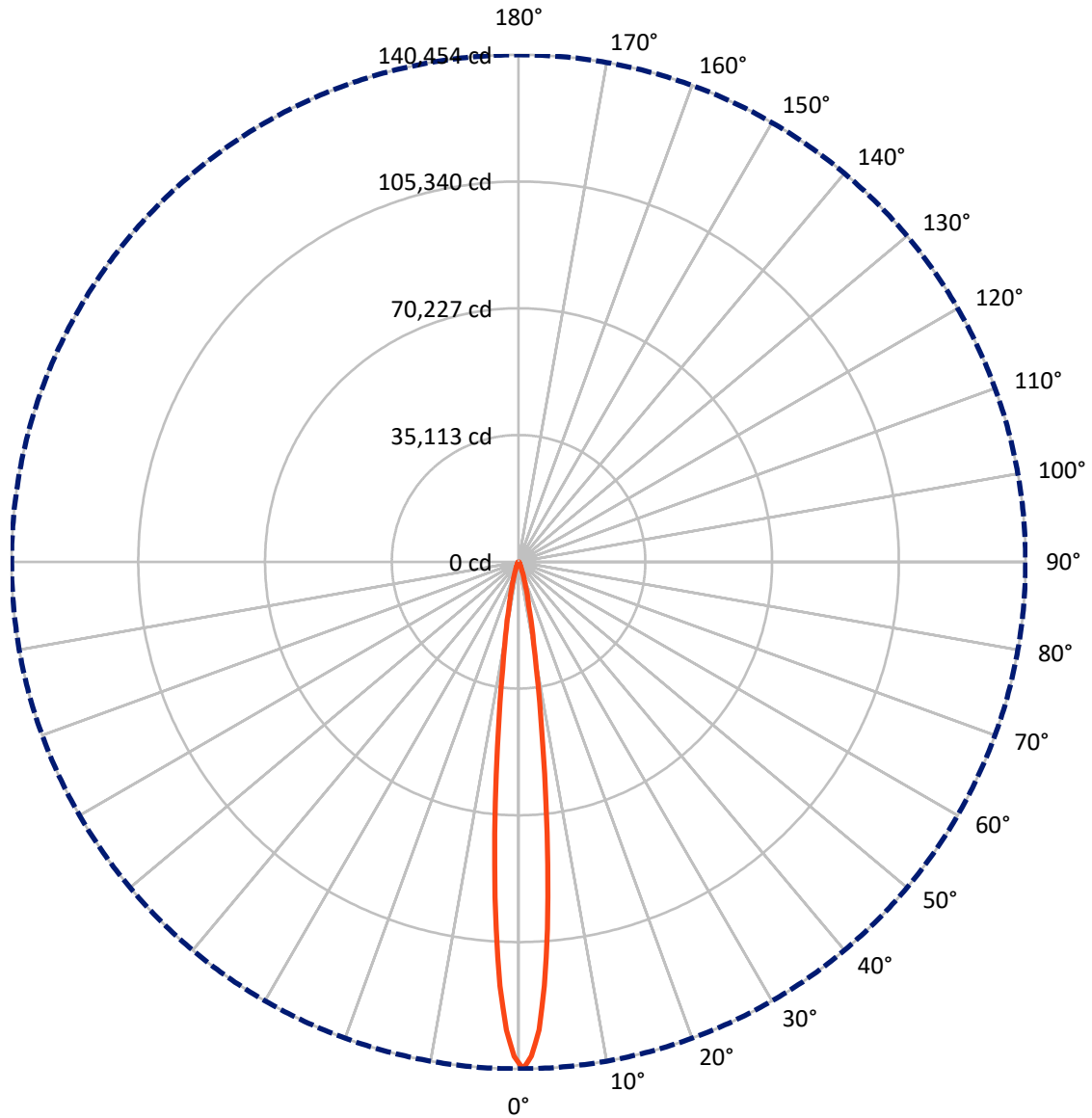
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 351.1 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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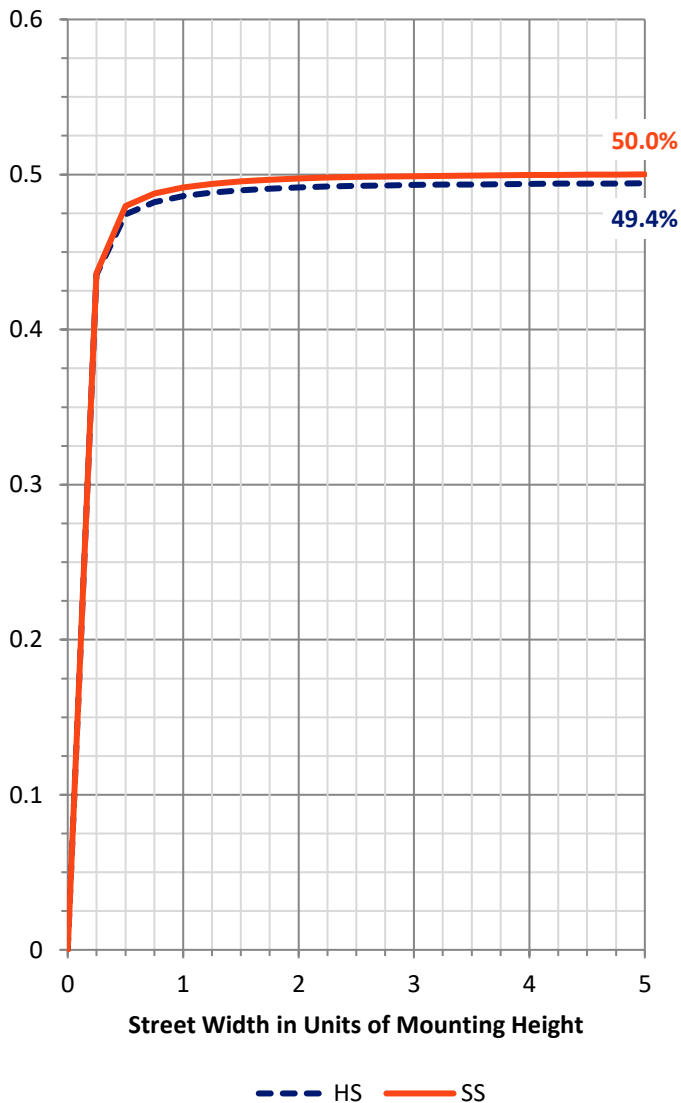
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4933.8	0.0	4933.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4933.8	0.0	4933.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9867.7	0.0	9867.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6015.2	61.0
10°-20°	2694.8	27.3
20°-30°	601.8	6.1
30°-40°	196.4	2.0
40°-50°	135.5	1.4
50°-60°	102.4	1.0
60°-70°	70.0	0.7
70°-80°	36.9	0.4
80°-90°	14.7	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°	9867.7	100.0
0°-180°	9867.7	100.0



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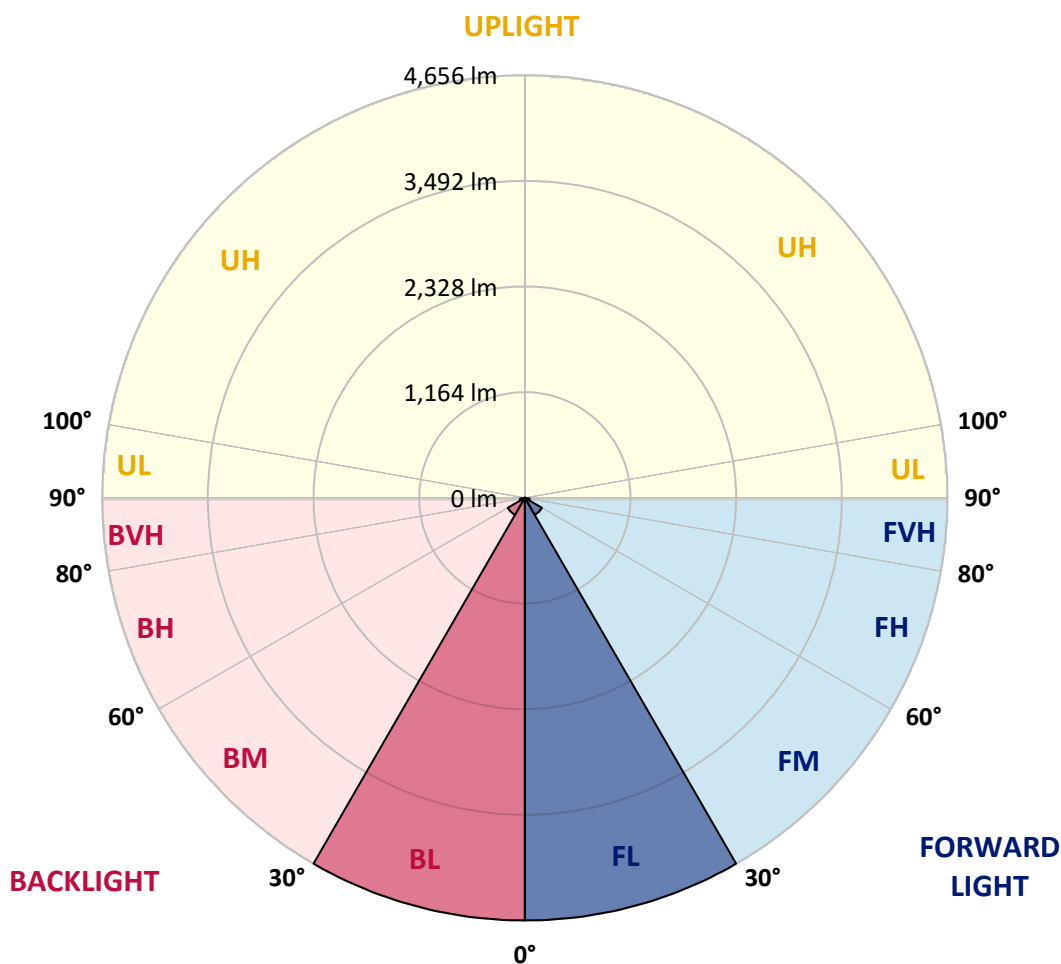
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4655.9	47.2			
FM (30°-60°)	217.1	2.2			
FH (60°-80°)	53.5	0.5			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	4655.9	47.2	B4/5000		
BM (30°-60°)	217.1	2.2	B0/220		
BH (60°-80°)	53.5	0.5	B0/110		G0/660
BVH (80°-90°)	7.4	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°	140453.6	140453.6	140453.6	140453.6	140453.6	140453.6	140453.6	140453.6	140453.6	140453.6
1°	136966.5	137152.8	136945.4	137992.9	138425.3	138650.3	138676.6	139267.2	138812.0	138938.5
2°	129747.9	130162.7	129468.4	130139.9	131482.7	131990.6	131162.8	132185.7	131820.1	132032.8
3°	117618.5	118126.5	117166.8	117987.6	119715.4	120102.1	118745.2	120198.7	120161.8	120467.6
4°	101984.5	102808.8	101437.8	102409.8	103174.4	104520.7	103206.0	104859.9	104828.3	105359.1
5°	84237.7	85128.8	83937.2	84946.0	85670.2	86171.1	85689.5	87519.2	87635.2	88183.6
6°	66872.4	67703.7	66373.2	67336.4	68484.1	68689.8	68565.0	70139.8	70489.6	70062.5
7°	51465.0	51672.4	51463.3	52338.6	53259.6	53293.0	53454.7	54839.7	55147.3	54999.6
8°	39414.7	38465.6	39281.2	39745.2	40029.9	41337.6	41434.3	42132.0	42698.0	42738.4
9°	30002.7	29123.9	30067.7	30252.2	30906.1	32067.9	31922.0	32684.8	33039.8	33017.0
10°	22873.7	22427.3	22900.1	23104.0	23641.8	24626.1	24796.6	25146.3	25410.0	25582.2
12.5°	12412.4	12516.1	12790.2	13004.7	13728.8	13990.7	14096.2	14126.0	14124.3	14152.4
15°	7710.7	7795.1	7986.6	8375.1	8816.2	9141.4	9187.1	9018.4	8872.5	8849.6
17.5°	4808.9	4775.5	5225.4	5650.8	6181.6	6350.3	6174.5	5981.2	5782.6	5668.3
20°	2886.0	2908.9	3061.8	3251.6	3680.5	3972.2	3789.4	3592.6	3386.9	3251.6
22.5°	1639.9	1664.5	1731.3	1829.7	1993.1	2258.5	2142.5	1943.9	1798.1	1738.3
25°	968.5	968.5	1008.9	1052.8	1121.4	1182.9	1158.3	1052.8	966.7	942.1
27.5°	627.5	622.2	636.3	657.4	689.0	692.5	664.4	632.7	588.8	573.0
30°	458.7	460.5	458.7	467.5	465.8	453.5	435.9	437.6	420.1	418.3
32.5°	372.6	374.4	374.4	372.6	363.8	344.5	332.2	344.5	341.0	337.5
35°	309.3	311.1	328.7	326.9	312.9	291.8	283.0	297.0	307.6	291.8
37.5°	267.2	268.9	283.0	290.0	272.4	258.4	247.8	260.1	275.9	258.4
40°	235.5	237.3	240.8	242.6	233.8	226.7	221.5	225.0	232.0	223.2
42.5°	207.4	205.6	207.4	205.6	195.1	198.6	195.1	189.8	195.1	188.1
45°	181.0	181.0	181.0	175.8	165.2	172.2	168.7	163.5	165.2	159.9
47.5°	165.2	165.2	165.2	158.2	149.4	149.4	151.2	142.4	144.1	142.4
50°	149.4	149.4	152.9	145.9	138.9	133.6	135.3	128.3	130.1	128.3
52.5°	137.1	137.1	137.1	133.6	128.3	124.8	121.3	117.8	116.0	114.2
55°	131.8	131.8	130.1	119.5	117.8	114.2	107.2	105.5	101.9	100.2
57.5°	123.0	123.0	121.3	112.5	105.5	105.5	94.9	93.2	87.9	87.9
60°	109.0	109.0	107.2	105.5	96.7	91.4	84.4	80.9	75.6	73.8
62.5°	103.7	103.7	100.2	91.4	89.6	80.9	73.8	66.8	63.3	59.8
65°	96.7	94.9	93.2	84.4	77.3	72.1	63.3	54.5	51.0	43.9
67.5°	86.1	86.1	84.4	77.3	70.3	61.5	52.7	45.7	36.9	31.6
70°	75.6	73.8	73.8	66.8	61.5	54.5	42.2	35.2	26.4	21.1
72.5°	63.3	63.3	61.5	56.2	52.7	47.5	36.9	28.1	17.6	14.1
75°	51.0	51.0	49.2	45.7	43.9	38.7	31.6	24.6	14.1	7.0
77.5°	42.2	40.4	40.4	36.9	35.2	31.6	26.4	19.3	10.5	5.3
80°	31.6	31.6	33.4	31.6	28.1	26.4	22.8	17.6	8.8	3.5
82.5°	22.8	22.8	24.6	24.6	24.6	22.8	22.8	17.6	8.8	1.8
85°	15.8	15.8	19.3	17.6	17.6	19.3	28.1	22.8	7.0	1.8
87.5°	8.8	8.8	8.8	7.0	7.0	8.8	10.5	8.8	3.5	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°
140453.6
138008.7
131273.5
119646.8
104427.6
87136.0
70106.4
54797.5
42228.7
33554.8
25684.2
14175.2
8779.3
5650.8
3281.5
1745.3
938.6
573.0
416.6
330.4
288.3
256.6
219.7
188.1
159.9
142.4
128.3
114.2
98.4
87.9
70.3
58.0
42.2
31.6
21.1
12.3
7.0
3.5
1.8
1.8
1.8
1.8
0.0

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