

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: P635984

Luminaire Tested: **IFLD-S-SA2B-927-U-22-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635984
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-927-U-22-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6868.7 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

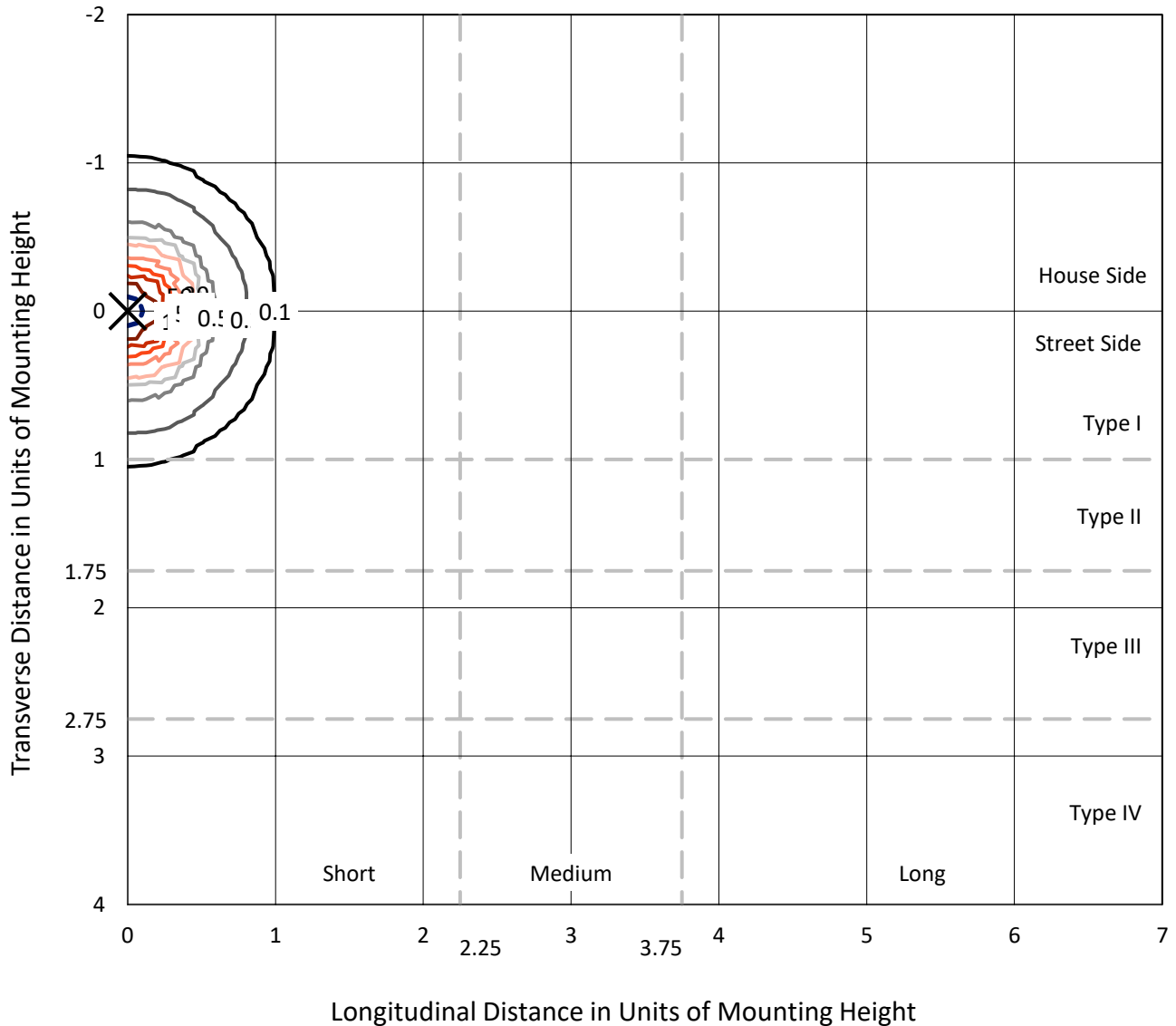
Input Watts (W): 82.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

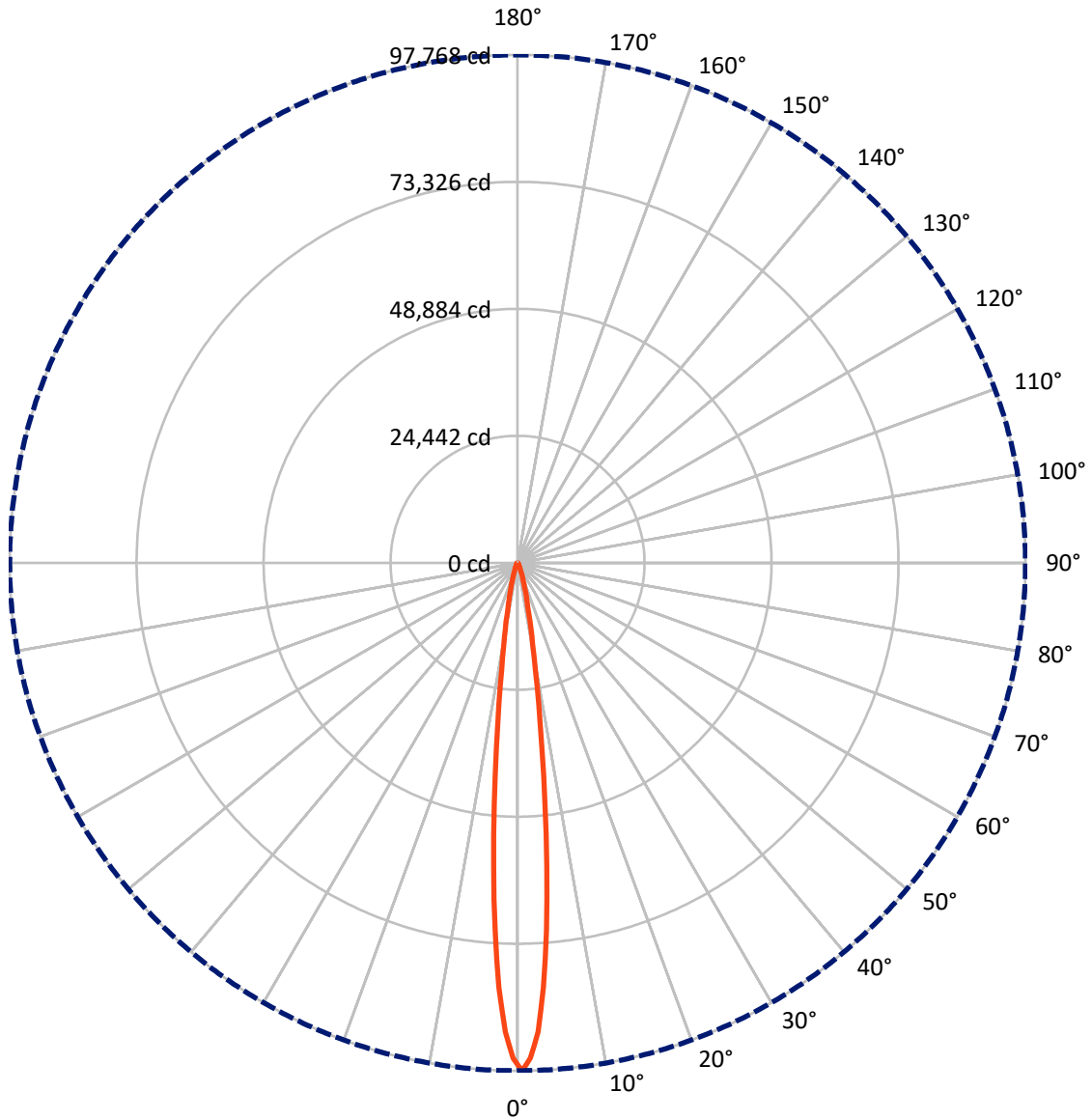
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 244.4 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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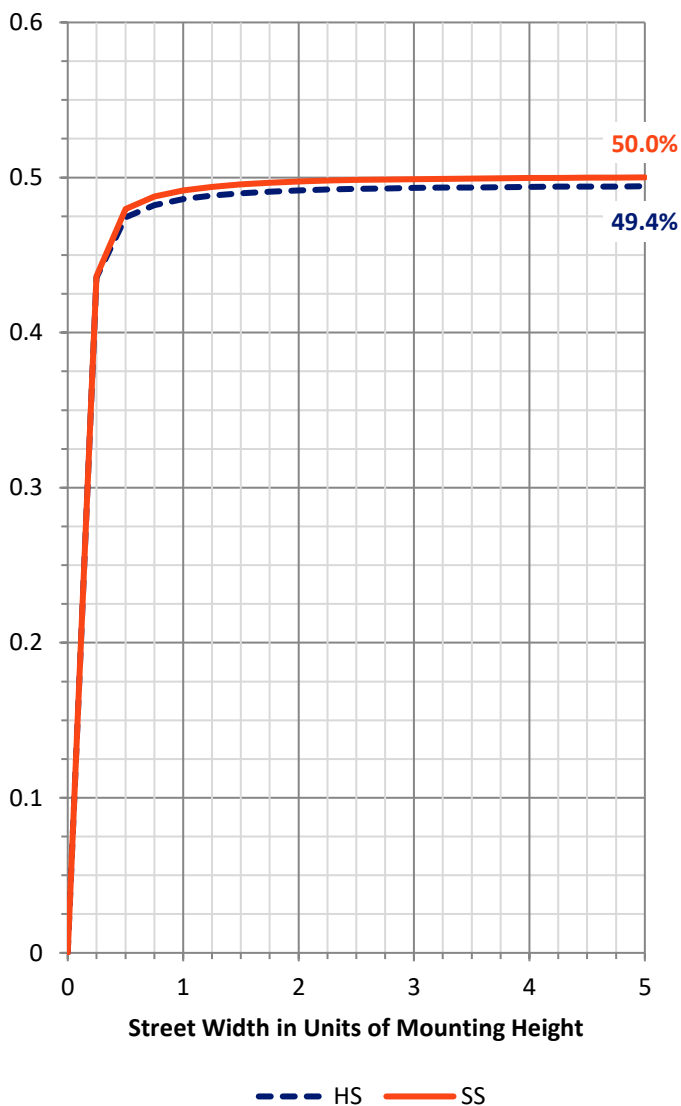
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3434.4	0.0	3434.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3434.4	0.0	3434.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6868.7	0.0	6868.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4187.1	61.0
10°-20°	1875.8	27.3
20°-30°	418.9	6.1
30°-40°	136.7	2.0
40°-50°	94.3	1.4
50°-60°	71.2	1.0
60°-70°	48.7	0.7
70°-80°	25.7	0.4
80°-90°	10.2	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°	6868.7	100.0
0°-180°	6868.7	100.0

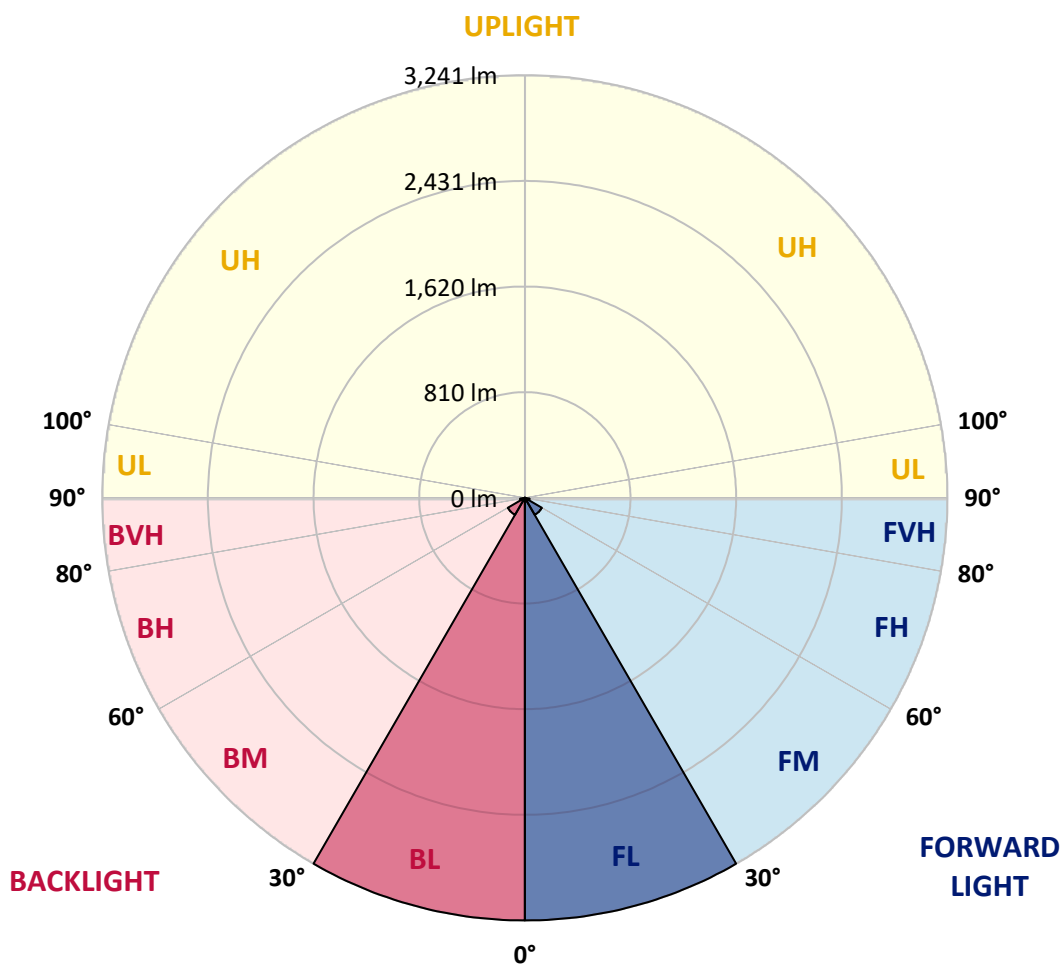


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3240.9	47.2			
FM (30°-60°)	151.1	2.2			
FH (60°-80°)	37.2	0.5			G0/660
FVH (80°-90°)	5.1	0.1			G0/10
BL (0°-30°)	3240.9	47.2	B4/5000		
BM (30°-60°)	151.1	2.2	B0/220		
BH (60°-80°)	37.2	0.5	B0/110		G0/660
BVH (80°-90°)	5.1	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°	97767.6	97767.6	97767.6	97767.6	97767.6	97767.6	97767.6	97767.6	97767.6	97767.6
1°	95340.2	95469.9	95325.6	96054.7	96355.7	96512.3	96530.7	96941.8	96624.9	96713.0
2°	90315.5	90604.2	90121.0	90588.3	91523.1	91876.6	91300.4	92012.4	91758.0	91906.0
3°	81872.4	82226.0	81558.0	82129.4	83332.0	83601.2	82656.7	83668.5	83642.8	83855.7
4°	70989.8	71563.6	70609.3	71285.9	71818.1	72755.3	71840.1	72991.4	72969.4	73338.8
5°	58636.6	59256.9	58427.4	59129.6	59633.7	59982.4	59647.1	60920.8	61001.5	61383.2
6°	46548.8	47127.5	46201.4	46871.8	47670.7	47813.9	47727.0	48823.2	49066.7	48769.4
7°	35824.0	35968.4	35822.8	36432.1	37073.2	37096.4	37209.0	38173.0	38387.2	38284.4
8°	27436.0	26775.3	27343.0	27666.0	27864.2	28774.5	28841.7	29327.5	29721.4	29749.6
9°	20884.4	20272.7	20929.7	21058.1	21513.2	22322.0	22220.4	22751.4	22998.5	22982.6
10°	15922.1	15611.3	15940.4	16082.3	16456.7	17141.8	17260.5	17504.0	17687.5	17807.4
12.5°	8640.0	8712.2	8903.1	9052.4	9556.4	9738.7	9812.1	9832.9	9831.7	9851.3
15°	5367.3	5426.0	5559.4	5829.8	6136.9	6363.2	6395.0	6277.6	6176.0	6160.1
17.5°	3347.4	3324.1	3637.3	3933.4	4302.9	4420.3	4298.0	4163.4	4025.2	3945.6
20°	2008.9	2024.8	2131.3	2263.4	2561.9	2765.0	2637.8	2500.7	2357.6	2263.4
22.5°	1141.5	1158.6	1205.1	1273.6	1387.4	1572.1	1491.4	1353.1	1251.6	1210.0
25°	674.1	674.1	702.3	732.9	780.6	823.4	806.3	732.9	672.9	655.8
27.5°	436.8	433.1	442.9	457.6	479.6	482.0	462.5	440.4	409.9	398.8
30°	319.3	320.5	319.3	325.4	324.2	315.7	303.4	304.6	292.4	291.2
32.5°	259.4	260.6	260.6	259.4	253.3	239.8	231.2	239.8	237.4	234.9
35°	215.3	216.6	228.8	227.6	217.8	203.1	197.0	206.8	214.1	203.1
37.5°	186.0	187.2	197.0	201.9	189.6	179.8	172.5	181.1	192.1	179.8
40°	163.9	165.2	167.6	168.8	162.7	157.8	154.2	156.6	161.5	155.4
42.5°	144.4	143.1	144.4	143.1	135.8	138.3	135.8	132.1	135.8	130.9
45°	126.0	126.0	126.0	122.3	115.0	119.9	117.5	113.8	115.0	111.3
47.5°	115.0	115.0	115.0	110.1	104.0	104.0	105.2	99.1	100.3	99.1
50°	104.0	104.0	106.4	101.5	96.7	93.0	94.2	89.3	90.5	89.3
52.5°	95.4	95.4	95.4	93.0	89.3	86.9	84.4	82.0	80.7	79.5
55°	91.8	91.8	90.5	83.2	82.0	79.5	74.6	73.4	71.0	69.7
57.5°	85.6	85.6	84.4	78.3	73.4	73.4	66.1	64.8	61.2	61.2
60°	75.9	75.9	74.6	73.4	67.3	63.6	58.7	56.3	52.6	51.4
62.5°	72.2	72.2	69.7	63.6	62.4	56.3	51.4	46.5	44.0	41.6
65°	67.3	66.1	64.8	58.7	53.8	50.2	44.0	37.9	35.5	30.6
67.5°	59.9	59.9	58.7	53.8	48.9	42.8	36.7	31.8	25.7	22.0
70°	52.6	51.4	51.4	46.5	42.8	37.9	29.4	24.5	18.4	14.7
72.5°	44.0	44.0	42.8	39.2	36.7	33.0	25.7	19.6	12.2	9.8
75°	35.5	35.5	34.3	31.8	30.6	26.9	22.0	17.1	9.8	4.9
77.5°	29.4	28.1	28.1	25.7	24.5	22.0	18.4	13.5	7.3	3.7
80°	22.0	22.0	23.2	22.0	19.6	18.4	15.9	12.2	6.1	2.4
82.5°	15.9	15.9	17.1	17.1	17.1	15.9	15.9	12.2	6.1	1.2
85°	11.0	11.0	13.5	12.2	12.2	13.5	19.6	15.9	4.9	1.2
87.5°	6.1	6.1	6.1	4.9	4.9	6.1	7.3	6.1	2.4	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
97767.6
96065.8
91377.5
83284.3
72690.4
60654.0
48800.0
38143.7
29394.8
23357.0
17878.4
9867.2
6111.2
3933.4
2284.2
1214.9
653.3
398.8
290.0
230.0
200.6
178.6
152.9
130.9
111.3
99.1
89.3
79.5
68.5
61.2
48.9
40.4
29.4
22.0
14.7
8.6
4.9
2.4
1.2
1.2
1.2
1.2
0.0

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