

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: P524296

Luminaire Tested: **IFLD-S-SA2B-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524296
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7229.3 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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: 24 FT

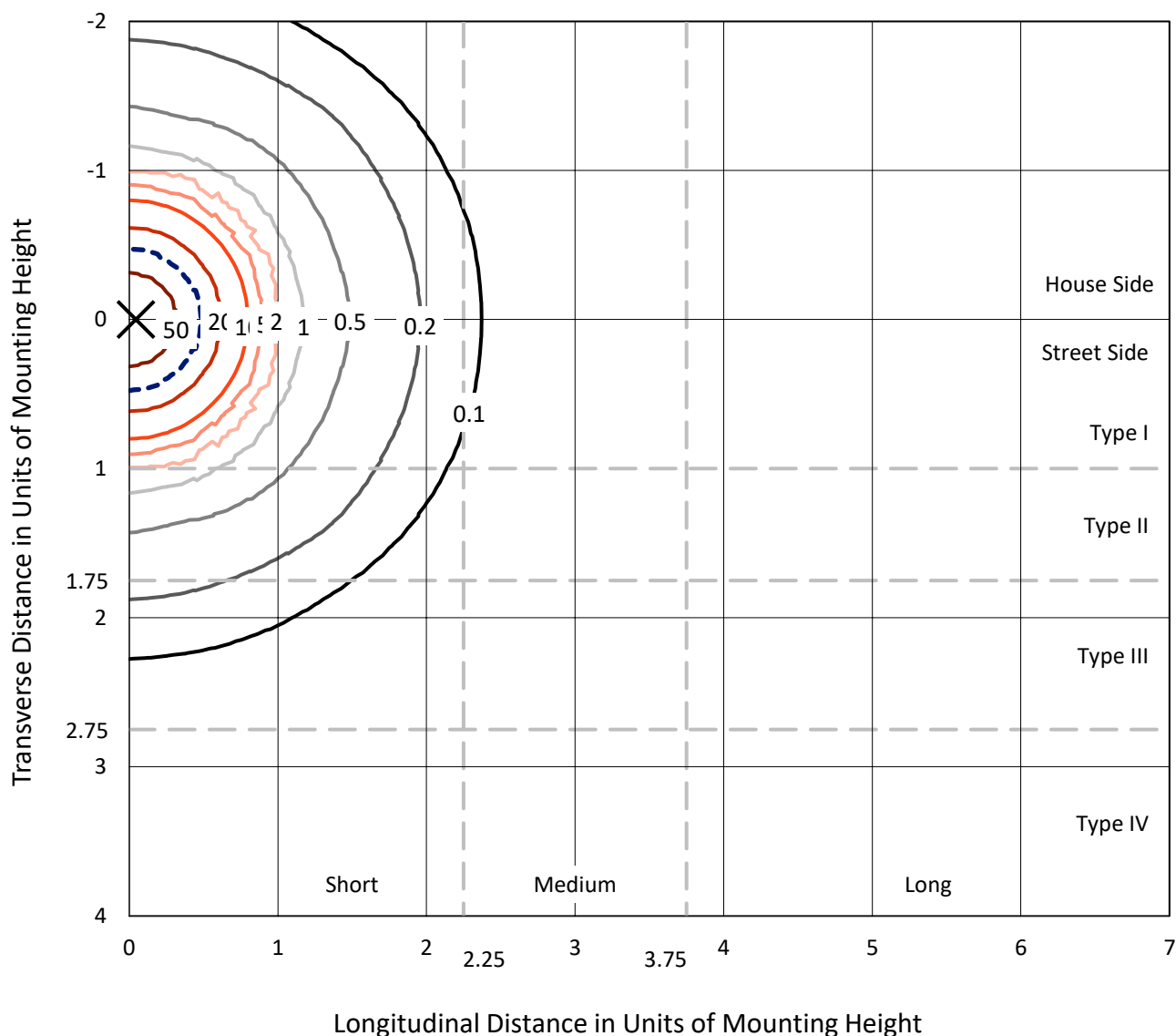
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

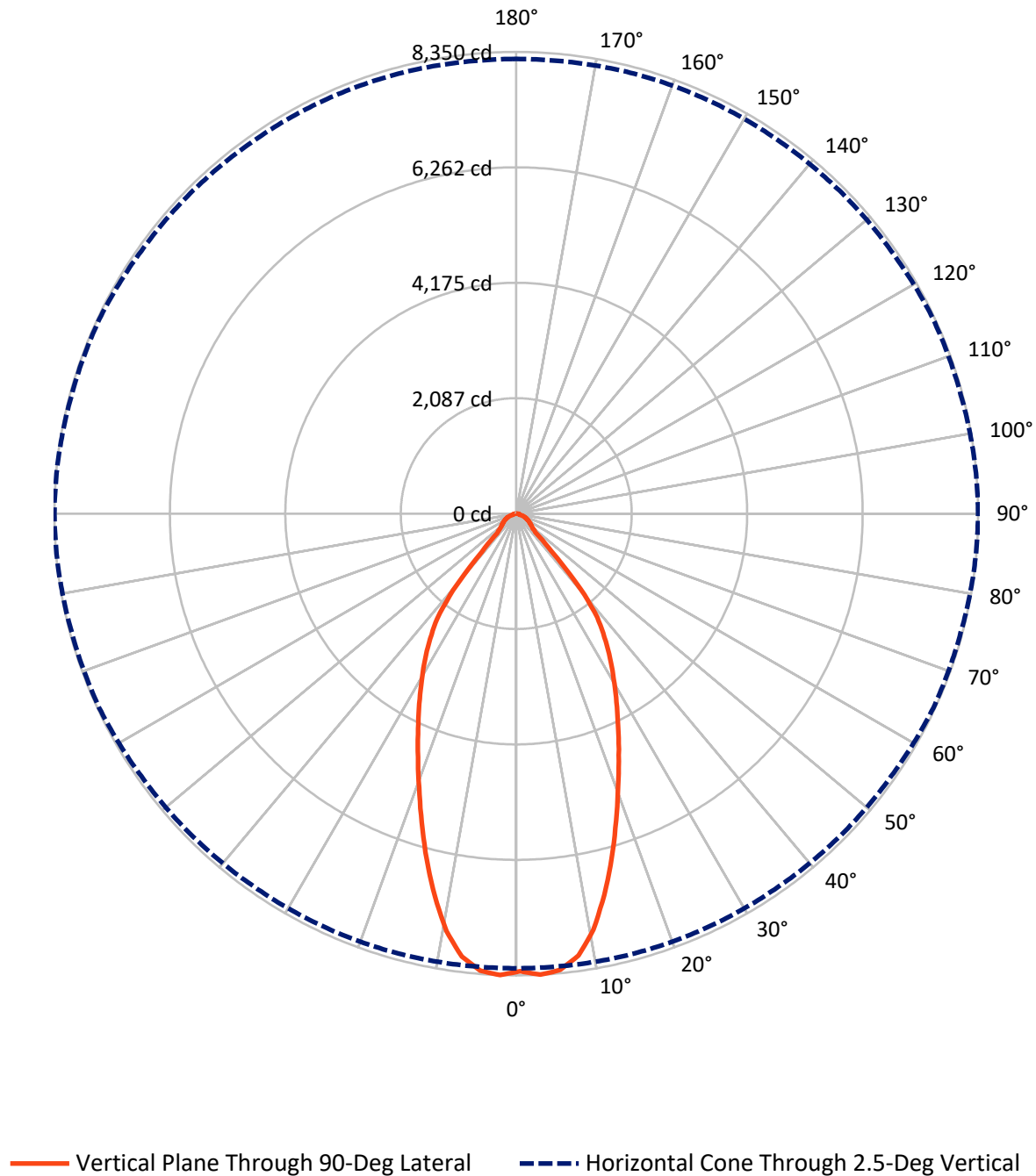


Based on 10 foot mounting height. Maximum calculated value = 82.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3614.7	0.0	3614.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3614.7	0.0	3614.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7229.3	0.0	7229.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.9	10.6
10°-20°	1761.0	24.4
20°-30°	1933.4	26.7
30°-40°	1676.4	23.2
40°-50°	551.6	7.6
50°-60°	247.3	3.4
60°-70°	174.8	2.4
70°-80°	94.9	1.3
80°-90°	26.9	0.4
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°	7229.3	100.0
0°-180°	7229.3	100.0

Coefficient of Utilization



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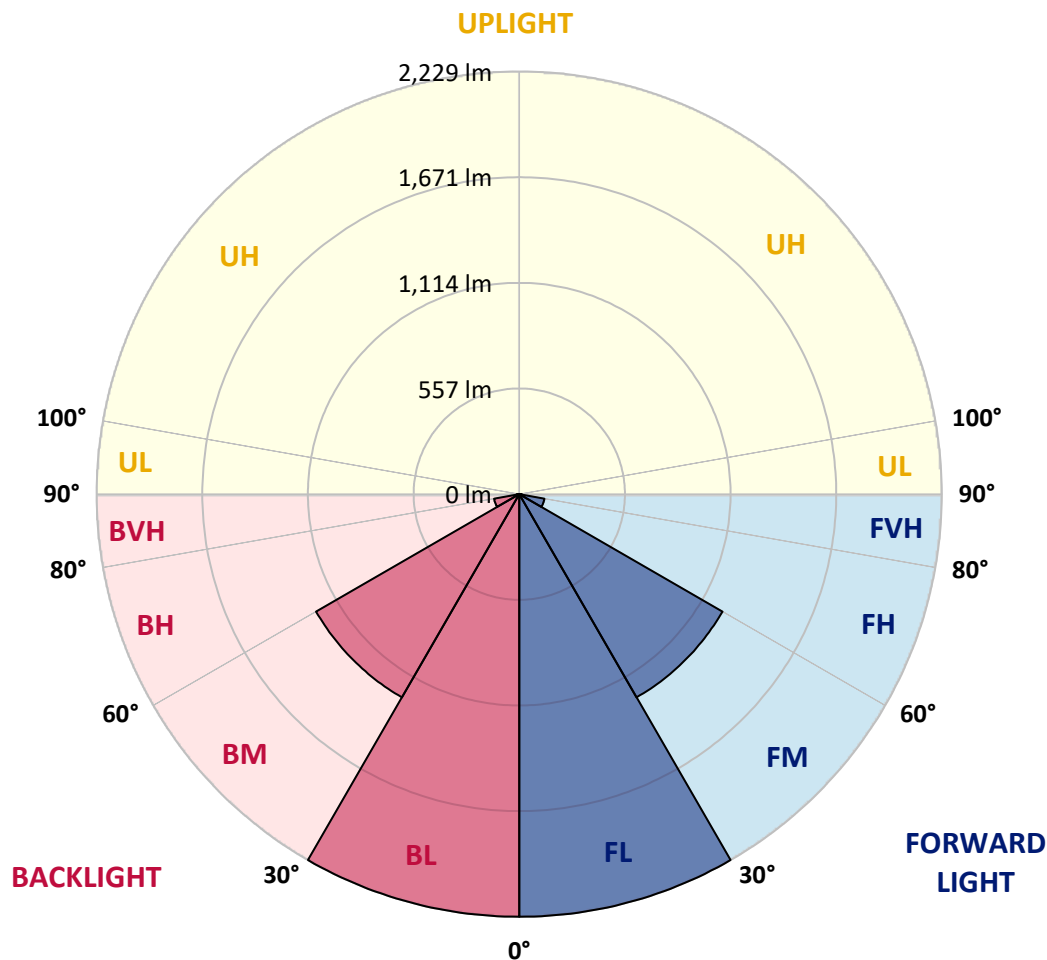
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2228.6	30.8			
FM	(30°-60°)	1237.7	17.1			
FH	(60°-80°)	134.9	1.9			G0/660
FVH	(80°-90°)	13.5	0.2			G1/100
BL	(0°-30°)	2228.6	30.8	B3/2500		
BM	(30°-60°)	1237.7	17.1	B2/2500		
BH	(60°-80°)	134.9	1.9	B1/500		G0/660
BVH	(80°-90°)	13.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8275.3	8275.3	8275.3	8275.3	8275.3	8275.3	8275.3	8275.3	8275.3	8275.3
2.5°	8223.8	8222.7	8235.8	8242.4	8245.7	8261.0	8276.4	8316.9	8318.0	8342.1
5°	8212.8	8203.0	8211.7	8198.6	8201.9	8201.9	8221.6	8251.2	8262.1	8286.2
7.5°	7968.6	7966.4	7960.9	7946.7	7964.2	7952.2	7988.3	8014.6	8039.8	8051.8
10°	7512.9	7492.1	7492.1	7472.4	7489.9	7473.5	7532.6	7556.7	7599.5	7624.6
12.5°	6923.6	6914.9	6916.0	6907.2	6906.1	6883.1	6952.1	6972.9	7011.3	7048.5
15°	6294.9	6281.8	6293.8	6293.8	6284.0	6263.1	6336.5	6365.0	6420.9	6438.4
17.5°	5673.9	5668.4	5676.0	5679.3	5671.7	5651.9	5723.1	5785.6	5823.9	5823.9
20°	5104.3	5102.1	5111.9	5102.1	5094.4	5081.3	5147.0	5207.2	5241.2	5243.4
22.5°	4603.7	4615.8	4607.0	4594.9	4578.5	4568.7	4628.9	4684.8	4707.8	4730.8
25°	4164.5	4167.8	4174.3	4155.7	4136.0	4123.9	4168.9	4216.0	4252.1	4265.2
27.5°	3803.0	3815.1	3798.6	3770.2	3759.2	3745.0	3776.7	3810.7	3837.0	3855.6
30°	3451.4	3458.0	3461.3	3431.7	3405.4	3384.6	3410.9	3440.5	3450.3	3466.7
32.5°	3114.0	3125.0	3136.0	3099.8	3081.2	3061.5	3074.6	3093.2	3098.7	3099.8
35°	2777.8	2770.1	2760.3	2747.1	2732.9	2708.8	2721.9	2728.5	2732.9	2732.9
37.5°	2371.4	2378.0	2380.2	2355.0	2348.4	2332.0	2340.7	2341.8	2350.6	2356.1
40°	1794.2	1817.2	1801.8	1786.5	1788.7	1769.0	1765.7	1761.3	1781.0	1788.7
42.5°	975.9	1015.4	974.9	988.0	978.1	967.2	963.9	969.4	944.2	923.4
45°	490.7	488.5	497.3	497.3	506.0	509.3	501.7	495.1	491.8	483.0
47.5°	395.4	388.8	387.7	393.2	399.8	404.2	397.6	394.3	393.2	398.7
50°	339.6	329.7	326.4	334.1	339.6	343.9	338.5	338.5	337.4	346.1
52.5°	295.7	285.9	285.9	301.2	305.6	310.0	306.7	306.7	306.7	316.6
55°	261.8	254.1	245.4	265.1	279.3	283.7	281.5	280.4	281.5	292.5
57.5°	235.5	231.1	225.6	230.0	251.9	257.4	256.3	256.3	258.5	267.3
60°	210.3	208.1	205.9	205.9	223.4	233.3	232.2	232.2	234.4	239.9
62.5°	187.3	185.1	182.9	185.1	191.7	207.0	207.0	208.1	211.4	213.6
65°	164.3	163.2	163.2	164.3	166.5	178.5	182.9	186.2	189.5	190.6
67.5°	142.4	141.3	142.4	144.6	144.6	150.1	159.9	163.2	166.5	166.5
70°	115.0	120.5	123.8	124.9	127.1	128.2	136.9	143.5	146.8	142.4
72.5°	62.4	71.2	107.3	110.6	111.7	112.8	119.4	127.1	129.2	84.3
75°	44.9	44.9	89.8	95.3	96.4	96.4	101.9	109.5	111.7	64.6
77.5°	29.6	28.5	62.4	69.0	78.9	63.5	83.2	92.0	94.2	53.7
80°	23.0	21.9	48.2	53.7	54.8	43.8	67.9	74.5	75.6	43.8
82.5°	17.5	16.4	35.1	39.4	42.7	28.5	48.2	57.0	59.1	38.3
85°	9.9	9.9	17.5	16.4	25.2	18.6	27.4	28.5	38.3	24.1
87.5°	3.3	4.4	7.7	7.7	8.8	7.7	11.0	11.0	12.0	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8275.3
8349.8
8290.6
8071.5
7652.0
7073.7
6462.5
5838.2
5255.4
4743.9
4274.0
3861.1
3470.0
3113.0
2746.0
2379.1
1798.5
933.2
490.7
403.1
357.1
327.5
299.0
273.8
244.3
216.9
192.8
166.5
126.0
72.3
63.5
52.6
39.4
39.4
23.0
6.6
0.0