

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: P524300

Luminaire Tested: **IFLD-S-SA3A-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524300
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8711.4 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

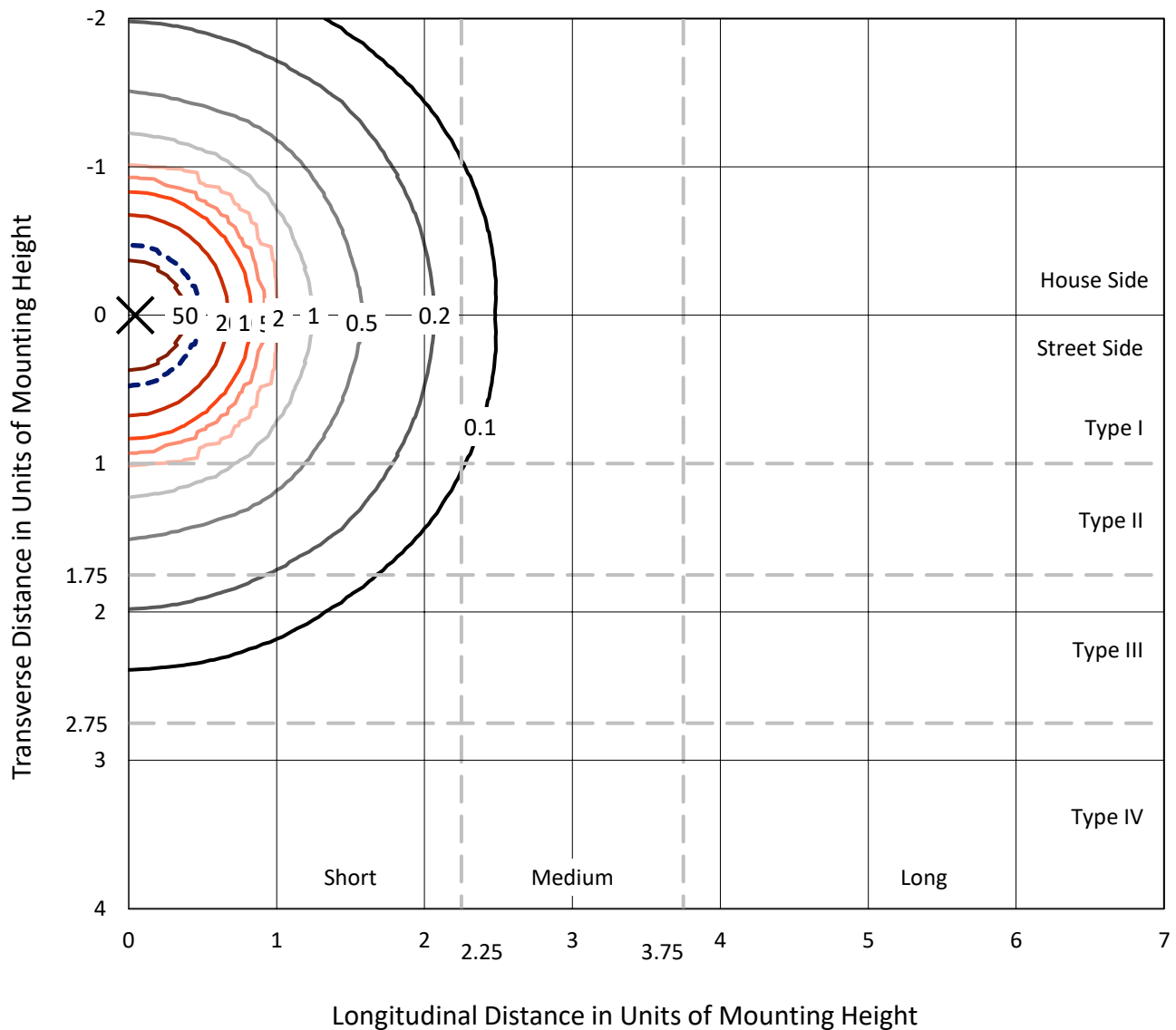
Input Watts (W): 94.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

REPORT NUMBER: P524300

CATALOG NUMBER: IFLD-S-SA3A-930-U-55

Iso-Footcandle Lines of Horizontal Illumination

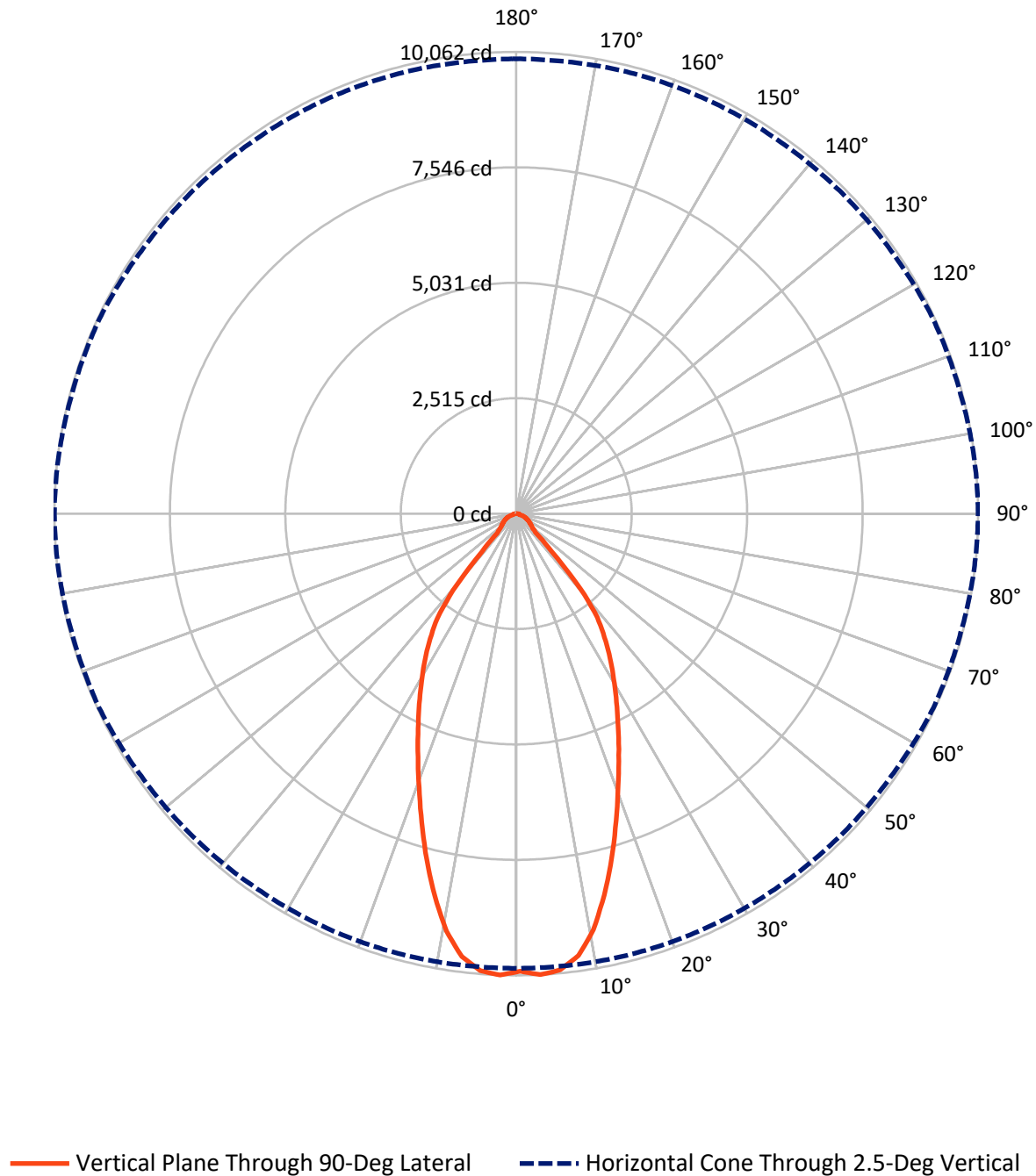
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 99.7 fc
 Type V - Short - N/A

REPORT NUMBER: P524300
CATALOG NUMBER: IFLD-S-SA3A-930-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524300

CATALOG NUMBER: IFLD-S-SA3A-930-U-55

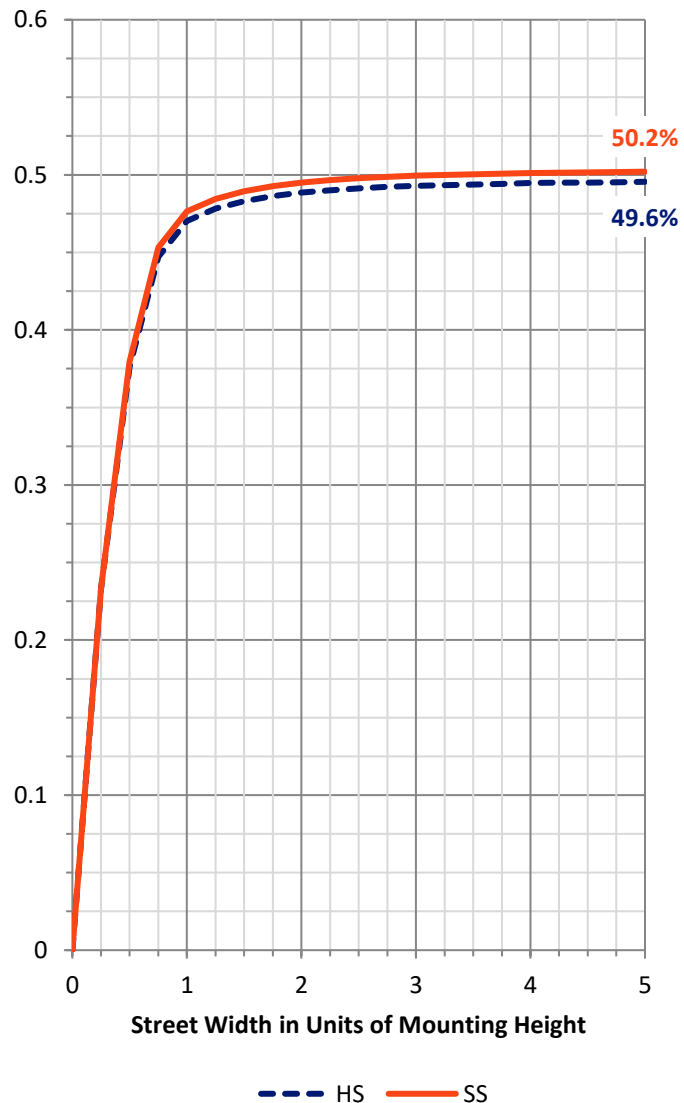
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4355.7	0.0	4355.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4355.7	0.0	4355.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8711.4	0.0	8711.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	919.3	10.6
10°-20°	2122.0	24.4
20°-30°	2329.8	26.7
30°-40°	2020.1	23.2
40°-50°	664.7	7.6
50°-60°	298.0	3.4
60°-70°	210.7	2.4
70°-80°	114.4	1.3
80°-90°	32.4	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°	8711.4	100.0
0°-180°	8711.4	100.0

Coefficient of Utilization



REPORT NUMBER: P524300

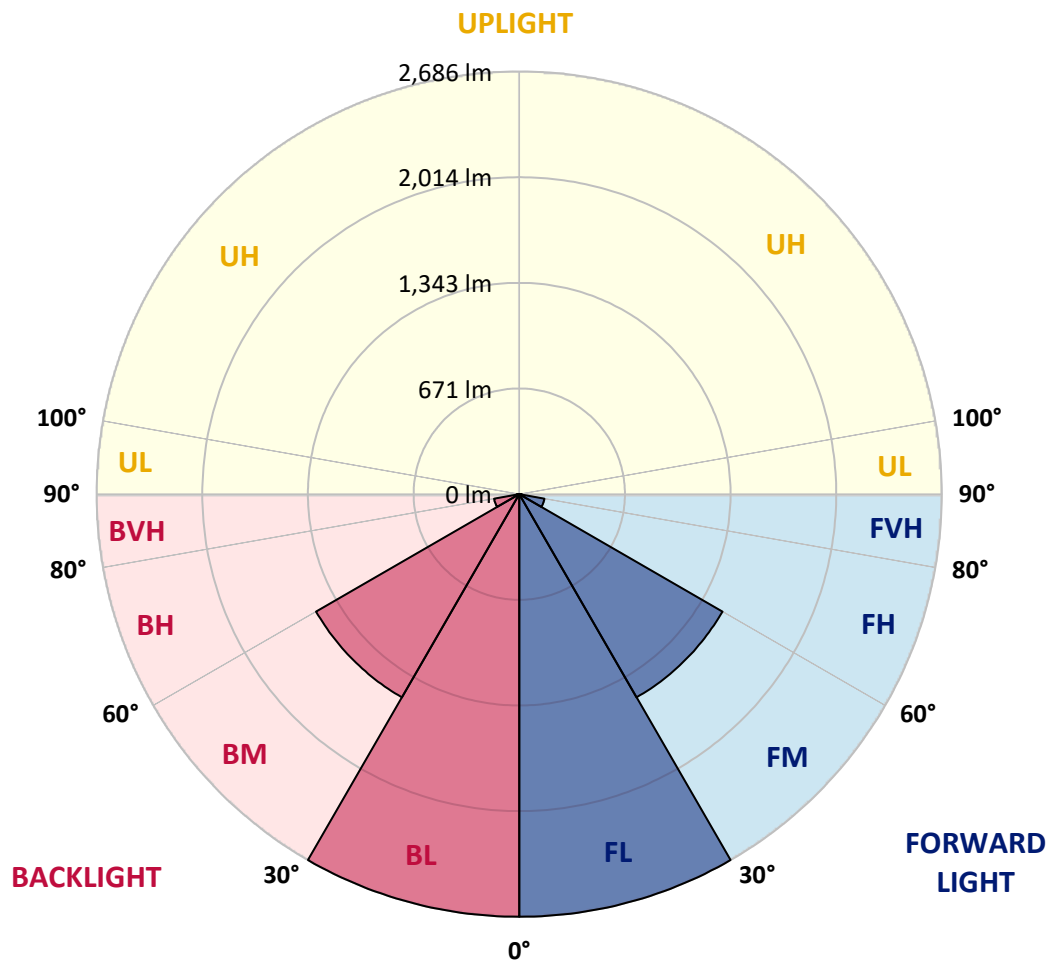
CATALOG NUMBER: IFLD-S-SA3A-930-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2685.5	30.8			
FM	(30°-60°)	1491.4	17.1			
FH	(60°-80°)	162.5	1.9			G0/660
FVH	(80°-90°)	16.2	0.2			G1/100
BL	(0°-30°)	2685.5	30.8	B4/5000		
BM	(30°-60°)	1491.4	17.1	B2/2500		
BH	(60°-80°)	162.5	1.9	B1/500		G0/660
BVH	(80°-90°)	16.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



REPORT NUMBER: P524300

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9971.8	9971.8	9971.8	9971.8	9971.8	9971.8	9971.8	9971.8	9971.8	9971.8
2.5°	9909.8	9908.4	9924.3	9932.2	9936.2	9954.6	9973.1	10021.9	10023.3	10052.3
5°	9896.6	9884.7	9895.2	9879.4	9883.4	9883.4	9907.1	9942.8	9956.0	9985.0
7.5°	9602.2	9599.6	9593.0	9575.8	9596.9	9582.4	9626.0	9657.7	9688.0	9702.5
10°	9053.1	9028.1	9028.1	9004.3	9025.4	9005.6	9076.9	9105.9	9157.4	9187.8
12.5°	8343.0	8332.5	8333.8	8323.2	8321.9	8294.2	8377.4	8402.4	8448.6	8493.5
15°	7585.4	7569.6	7584.1	7584.1	7572.2	7547.1	7635.6	7669.9	7737.2	7758.3
17.5°	6837.0	6830.4	6839.7	6843.6	6834.4	6810.6	6896.4	6971.7	7017.9	7017.9
20°	6150.7	6148.1	6159.9	6148.1	6138.8	6123.0	6202.2	6274.8	6315.7	6318.3
22.5°	5547.5	5562.0	5551.5	5537.0	5517.2	5505.3	5577.9	5645.2	5672.9	5700.6
25°	5018.2	5022.2	5030.1	5007.7	4983.9	4969.4	5023.5	5080.3	5123.8	5139.7
27.5°	4582.7	4597.2	4577.4	4543.1	4529.9	4512.7	4551.0	4591.9	4623.6	4646.0
30°	4159.0	4166.9	4170.9	4135.2	4103.5	4078.5	4110.1	4145.8	4157.7	4177.5
32.5°	3752.5	3765.7	3778.9	3735.3	3712.9	3689.1	3704.9	3727.4	3734.0	3735.3
35°	3347.2	3338.0	3326.1	3310.3	3293.1	3264.1	3279.9	3287.9	3293.1	3293.1
37.5°	2857.6	2865.5	2868.1	2837.8	2829.9	2810.1	2820.6	2821.9	2832.5	2839.1
40°	2162.0	2189.7	2171.2	2152.7	2155.4	2131.6	2127.7	2122.4	2146.1	2155.4
42.5°	1176.0	1223.5	1174.7	1190.5	1178.7	1165.5	1161.5	1168.1	1137.7	1112.7
45°	591.3	588.7	599.2	599.2	609.8	613.8	604.5	596.6	592.6	582.1
47.5°	476.5	468.6	467.2	473.8	481.8	487.0	479.1	475.2	473.8	480.4
50°	409.2	397.3	393.3	402.6	409.2	414.4	407.8	407.8	406.5	417.1
52.5°	356.4	344.5	344.5	363.0	368.3	373.5	369.6	369.6	369.6	381.4
55°	315.5	306.2	295.7	319.4	336.6	341.9	339.2	337.9	339.2	352.4
57.5°	283.8	278.5	271.9	277.2	303.6	310.2	308.9	308.9	311.5	322.1
60°	253.4	250.8	248.1	248.1	269.3	281.1	279.8	279.8	282.5	289.1
62.5°	225.7	223.1	220.4	223.1	231.0	249.5	249.5	250.8	254.7	257.4
65°	198.0	196.7	196.7	198.0	200.6	215.1	220.4	224.4	228.3	229.7
67.5°	171.6	170.3	171.6	174.2	174.2	180.8	192.7	196.7	200.6	200.6
70°	138.6	145.2	149.1	150.5	153.1	154.4	165.0	172.9	176.9	171.6
72.5°	75.2	85.8	129.3	133.3	134.6	135.9	143.9	153.1	155.7	101.6
75°	54.1	54.1	108.2	114.8	116.2	116.2	122.8	132.0	134.6	77.9
77.5°	35.6	34.3	75.2	83.2	95.0	76.6	100.3	110.9	113.5	64.7
80°	27.7	26.4	58.1	64.7	66.0	52.8	81.8	89.8	91.1	52.8
82.5°	21.1	19.8	42.2	47.5	51.5	34.3	58.1	68.6	71.3	46.2
85°	11.9	11.9	21.1	19.8	30.4	22.4	33.0	34.3	46.2	29.0
87.5°	4.0	5.3	9.2	9.2	10.6	9.2	13.2	13.2	14.5	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9971.8
10061.5
9990.3
9726.3
9220.8
8523.9
7787.4
7035.0
6332.8
5716.5
5150.2
4652.6
4181.4
3751.1
3309.0
2866.8
2167.3
1124.5
591.3
485.7
430.3
394.6
360.3
330.0
294.3
261.3
232.3
200.6
151.8
87.1
76.6
63.4
47.5
47.5
27.7
7.9
0.0