

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: P524258

Luminaire Tested: **IFLD-S-SA2C-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524258
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8901.8 lumens
Efficiency: N/A
Efficacy: 82.3 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): 108.2
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

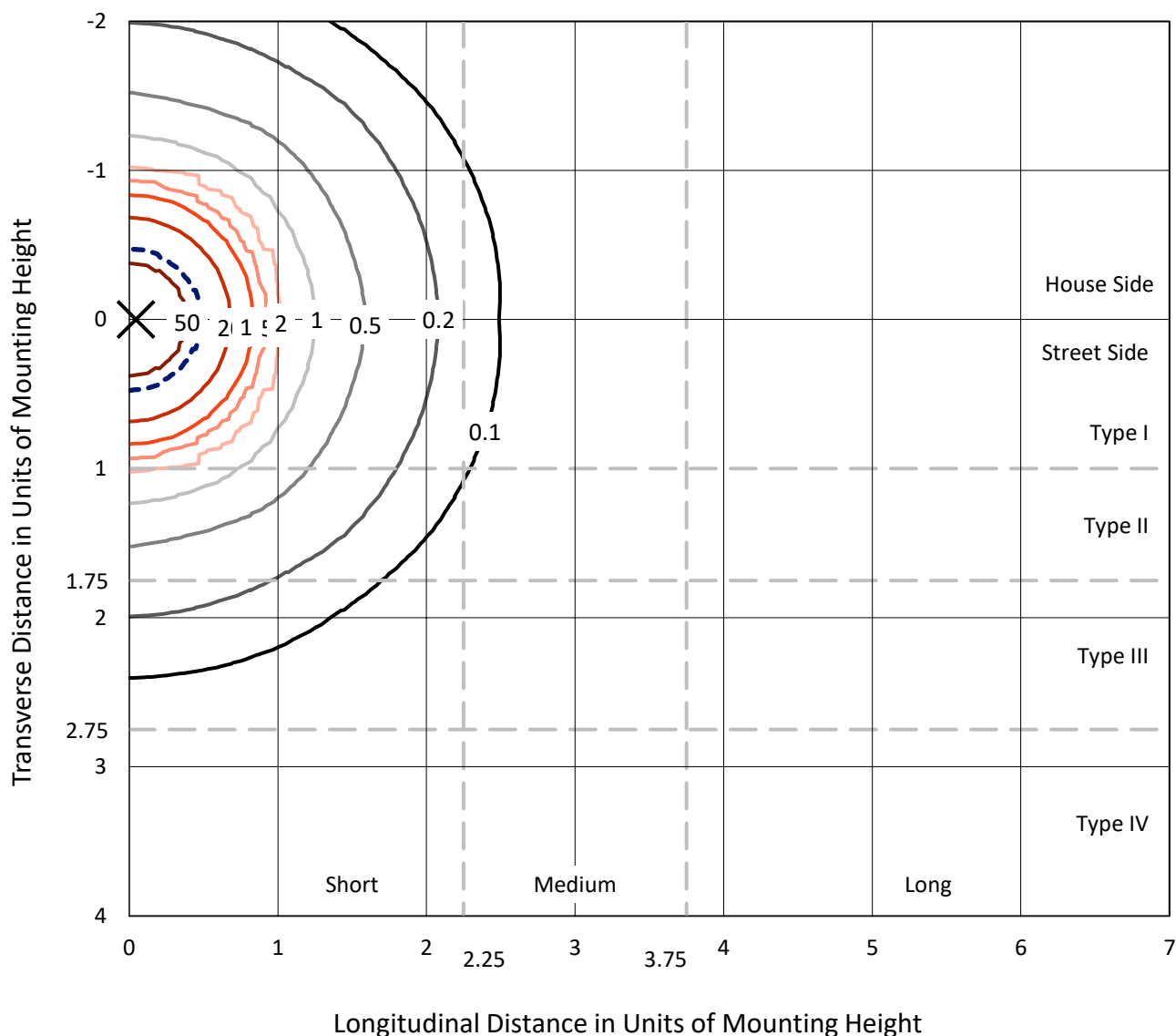
REPORT NUMBER: P524258

CATALOG NUMBER: IFLD-S-SA2C-927-U-55

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

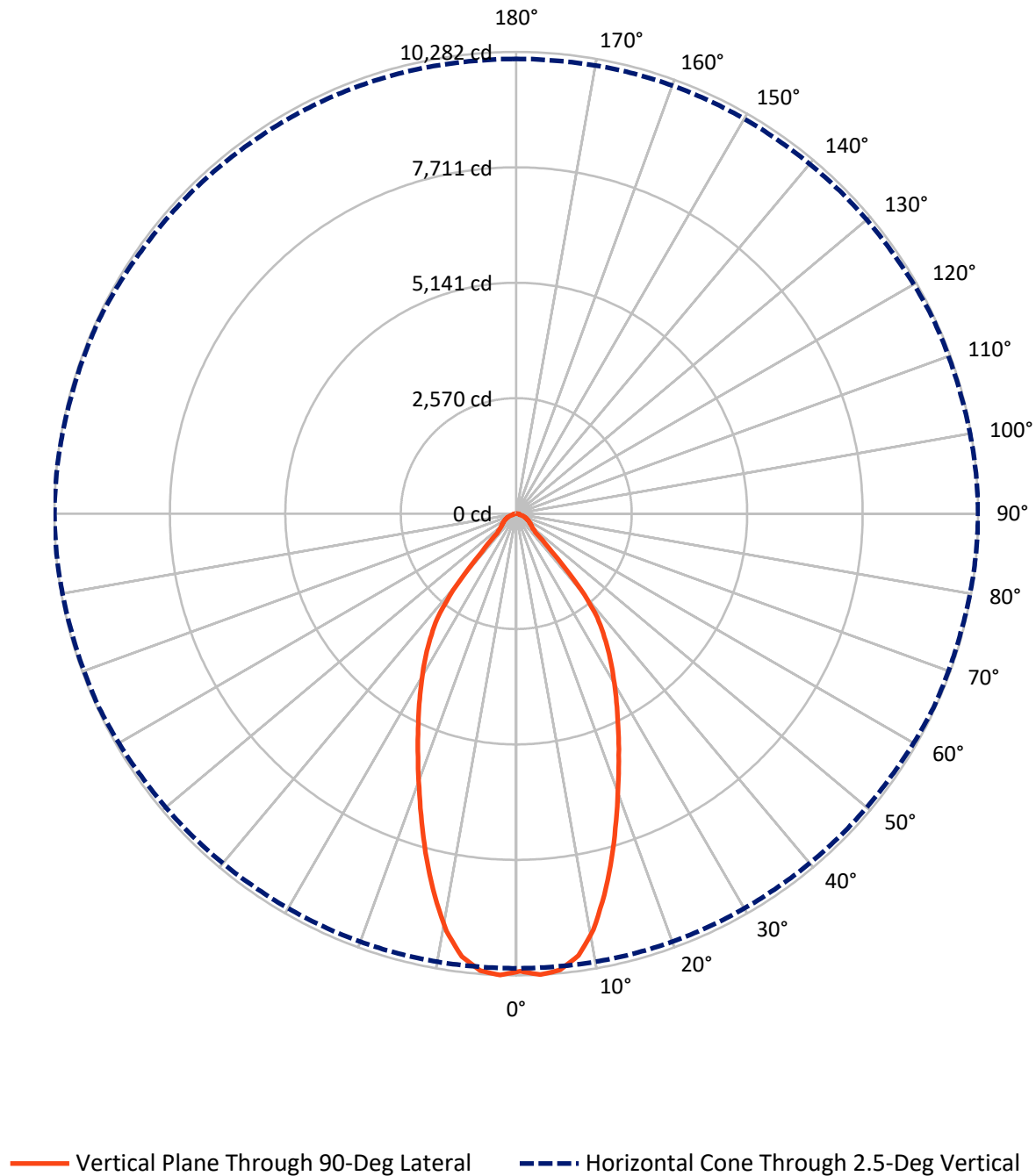


Based on 10 foot mounting height. Maximum calculated value = 101.9 fc

Type V - Short - N/A

REPORT NUMBER: P524258
CATALOG NUMBER: IFLD-S-SA2C-927-U-55

Luminous Intensity Polar Plot



REPORT NUMBER: P524258

CATALOG NUMBER: IFLD-S-SA2C-927-U-55

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4450.9	0.0	4450.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4450.9	0.0	4450.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8901.8	0.0	8901.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	939.4	10.6
10°-20°	2168.4	24.4
20°-30°	2380.7	26.7
30°-40°	2064.3	23.2
40°-50°	679.2	7.6
50°-60°	304.5	3.4
60°-70°	215.2	2.4
70°-80°	116.9	1.3
80°-90°	33.1	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°	8901.8	100.0
0°-180°	8901.8	100.0

Coefficient of Utilization



REPORT NUMBER: P524258

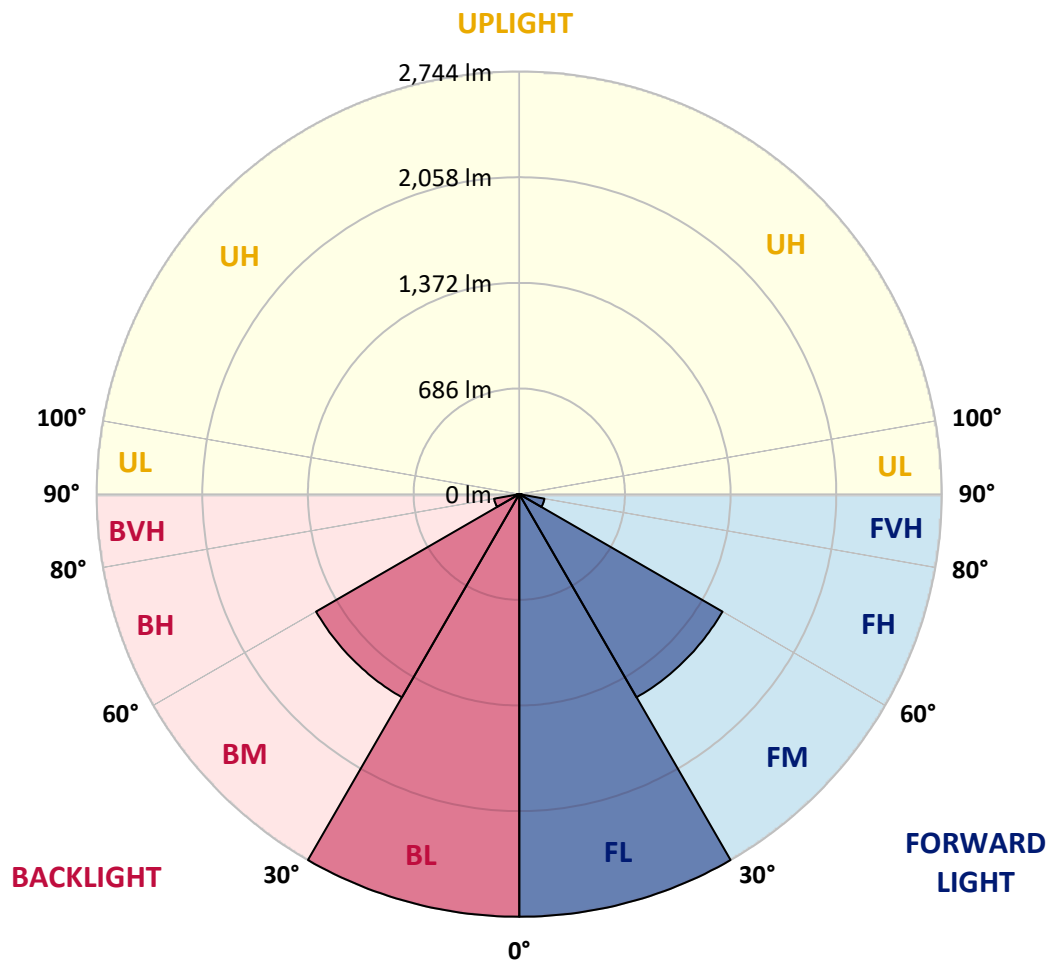
CATALOG NUMBER: IFLD-S-SA2C-927-U-55

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2744.3	30.8			
FM	(30°-60°)	1524.0	17.1			
FH	(60°-80°)	166.1	1.9			G0/660
FVH	(80°-90°)	16.6	0.2			G1/100
BL	(0°-30°)	2744.3	30.8	B4/5000		
BM	(30°-60°)	1524.0	17.1	B2/2500		
BH	(60°-80°)	166.1	1.9	B1/500		G0/660
BVH	(80°-90°)	16.6	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: P524258

CATALOG NUMBER: IFLD-S-SA2C-927-U-55

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10189.8	10189.8	10189.8	10189.8	10189.8	10189.8	10189.8	10189.8	10189.8	10189.8
2.5°	10126.4	10125.1	10141.3	10149.4	10153.4	10172.3	10191.2	10241.1	10242.4	10272.1
5°	10112.9	10100.8	10111.6	10095.4	10099.5	10099.5	10123.7	10160.1	10173.6	10203.3
7.5°	9812.2	9809.5	9802.7	9785.2	9806.8	9791.9	9836.4	9868.8	9899.8	9914.7
10°	9251.1	9225.5	9225.5	9201.2	9222.8	9202.5	9275.4	9305.0	9357.6	9388.7
12.5°	8525.5	8514.7	8516.0	8505.2	8503.9	8475.6	8560.5	8586.2	8633.4	8679.2
15°	7751.3	7735.1	7749.9	7749.9	7737.8	7712.2	7802.5	7837.6	7906.4	7928.0
17.5°	6986.5	6979.8	6989.2	6993.3	6983.8	6959.6	7047.2	7124.1	7171.3	7171.3
20°	6285.2	6282.5	6294.6	6282.5	6273.0	6256.9	6337.8	6412.0	6453.8	6456.5
22.5°	5668.8	5683.6	5672.8	5658.0	5637.8	5625.6	5699.8	5768.6	5796.9	5825.3
25°	5128.0	5132.0	5140.1	5117.2	5092.9	5078.0	5133.3	5191.3	5235.9	5252.0
27.5°	4682.9	4697.7	4677.5	4642.4	4628.9	4611.4	4650.5	4692.3	4724.7	4747.6
30°	4249.9	4258.0	4262.1	4225.6	4193.3	4167.6	4200.0	4236.4	4248.6	4268.8
32.5°	3834.5	3848.0	3861.5	3817.0	3794.0	3769.8	3785.9	3808.9	3815.6	3817.0
35°	3420.4	3411.0	3398.9	3382.7	3365.1	3335.5	3351.6	3359.7	3365.1	3365.1
37.5°	2920.0	2928.1	2930.8	2899.8	2891.7	2871.5	2882.3	2883.6	2894.4	2901.2
40°	2209.3	2237.6	2218.7	2199.8	2202.5	2178.2	2174.2	2168.8	2193.1	2202.5
42.5°	1201.7	1250.3	1200.4	1216.6	1204.4	1190.9	1186.9	1193.6	1162.6	1137.0
45°	604.2	601.5	612.3	612.3	623.1	627.2	617.7	609.6	605.6	594.8
47.5°	486.9	478.8	477.5	484.2	492.3	497.7	489.6	485.6	484.2	490.9
50°	418.1	406.0	401.9	411.4	418.1	423.5	416.8	416.8	415.4	426.2
52.5°	364.2	352.0	352.0	370.9	376.3	381.7	377.7	377.7	377.7	389.8
55°	322.4	312.9	302.1	326.4	343.9	349.3	346.6	345.3	346.6	360.1
57.5°	290.0	284.6	277.8	283.2	310.2	317.0	315.6	315.6	318.3	329.1
60°	259.0	256.3	253.6	253.6	275.1	287.3	285.9	285.9	288.6	295.4
62.5°	230.6	227.9	225.2	227.9	236.0	254.9	254.9	256.3	260.3	263.0
65°	202.3	201.0	201.0	202.3	205.0	219.8	225.2	229.3	233.3	234.7
67.5°	175.3	174.0	175.3	178.0	178.0	184.8	196.9	201.0	205.0	205.0
70°	141.6	148.4	152.4	153.8	156.5	157.8	168.6	176.7	180.7	175.3
72.5°	76.9	87.7	132.2	136.2	137.6	138.9	147.0	156.5	159.2	103.9
75°	55.3	55.3	110.6	117.3	118.7	118.7	125.4	134.9	137.6	79.6
77.5°	36.4	35.1	76.9	85.0	97.1	78.2	102.5	113.3	116.0	66.1
80°	28.3	27.0	59.3	66.1	67.4	54.0	83.6	91.7	93.1	54.0
82.5°	21.6	20.2	43.2	48.6	52.6	35.1	59.3	70.1	72.8	47.2
85°	12.1	12.1	21.6	20.2	31.0	22.9	33.7	35.1	47.2	29.7
87.5°	4.0	5.4	9.4	9.4	10.8	9.4	13.5	13.5	14.8	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10189.8
10281.5
10208.7
9938.9
9422.4
8710.2
7957.6
7188.8
6471.3
5841.4
5262.8
4754.3
4272.8
3833.2
3381.3
2929.5
2214.6
1149.1
604.2
496.3
439.7
403.3
368.2
337.2
300.8
267.1
237.4
205.0
155.1
89.0
78.2
64.7
48.6
48.6
28.3
8.1
0.0