

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: P524297

Luminaire Tested: **IFLD-S-SA2C-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524297
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-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: 8999.4 lumens
Efficiency: N/A
Efficacy: 83.2 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

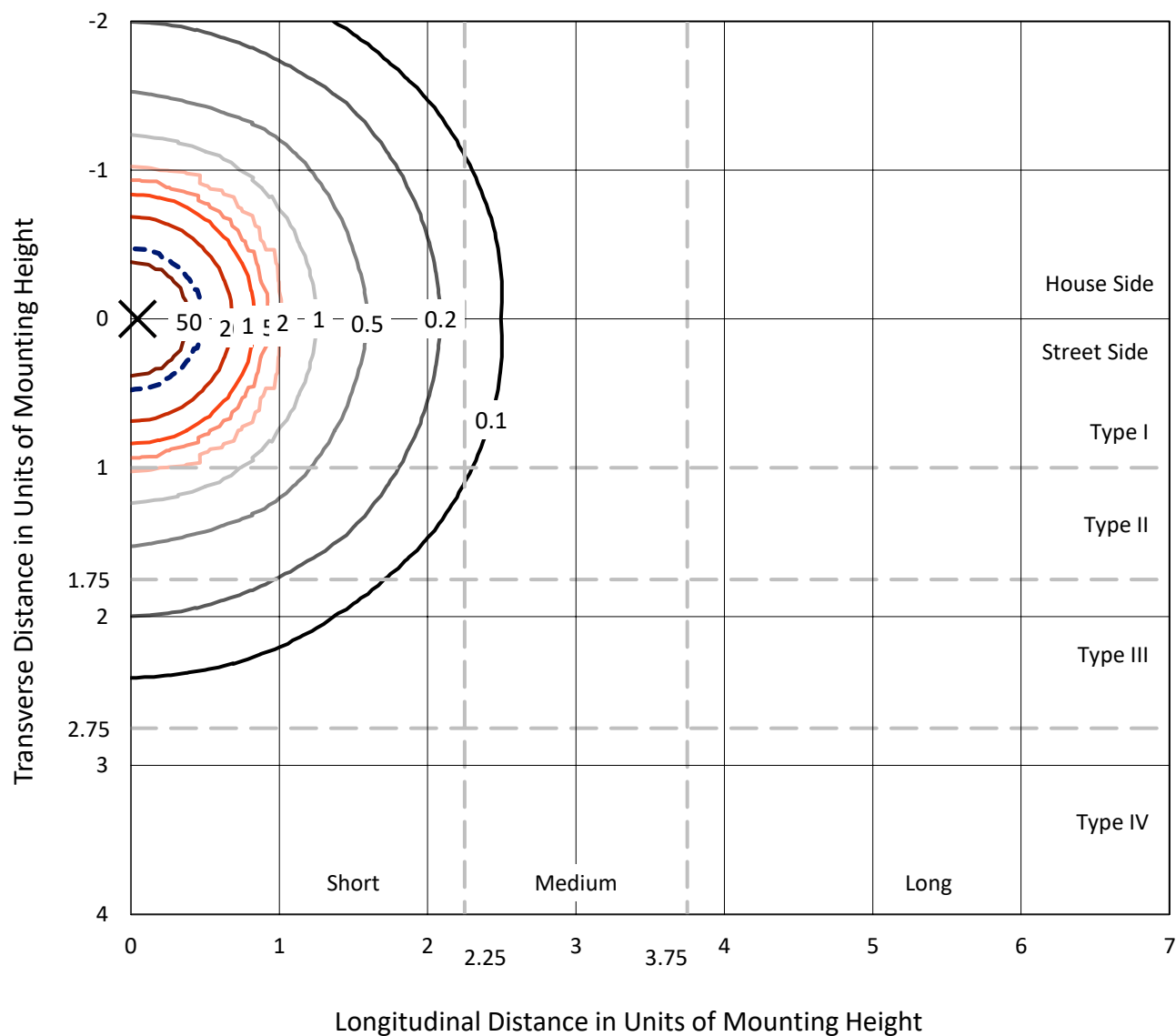
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

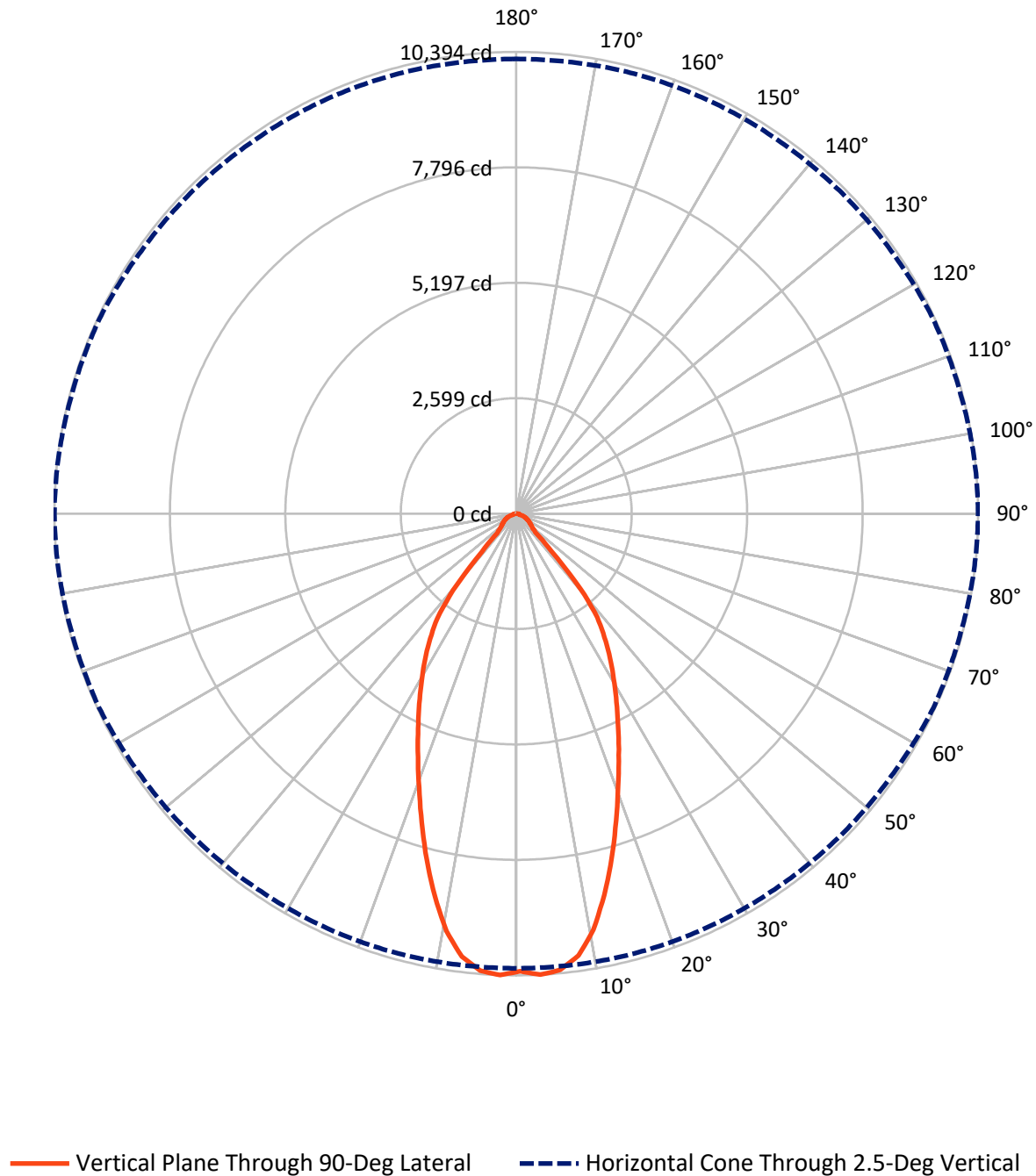


Based on 10 foot mounting height. Maximum calculated value = 103 fc

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	4499.7	0.0	4499.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4499.7	0.0	4499.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8999.4	0.0	8999.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	949.7	10.6
10°-20°	2192.2	24.4
20°-30°	2406.8	26.7
30°-40°	2086.9	23.2
40°-50°	686.7	7.6
50°-60°	307.9	3.4
60°-70°	217.6	2.4
70°-80°	118.2	1.3
80°-90°	33.5	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°	8999.4	100.0
0°-180°	8999.4	100.0

Coefficient of Utilization



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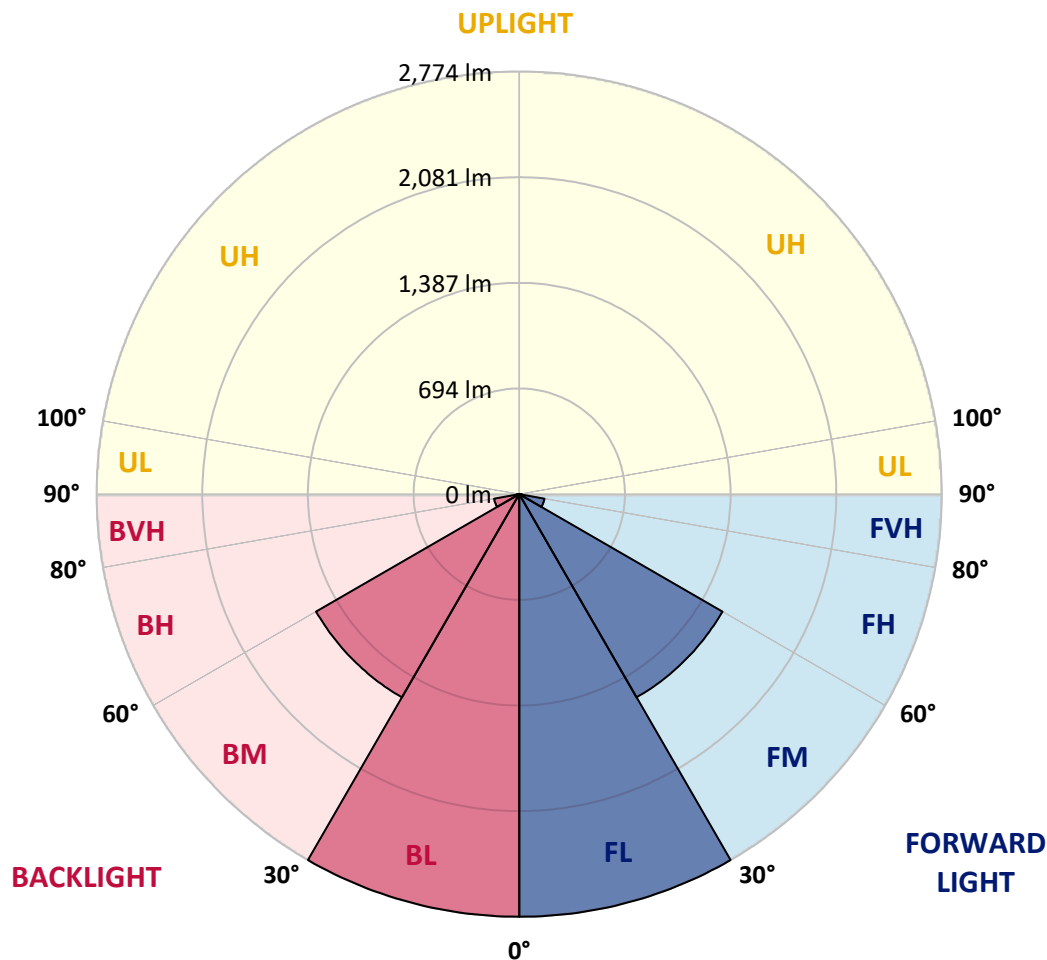
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2774.3	30.8			
FM	(30°-60°)	1540.7	17.1			
FH	(60°-80°)	167.9	1.9			G0/660
FVH	(80°-90°)	16.8	0.2			G1/100
BL	(0°-30°)	2774.3	30.8	B4/5000		
BM	(30°-60°)	1540.7	17.1	B2/2500		
BH	(60°-80°)	167.9	1.9	B1/500		G0/660
BVH	(80°-90°)	16.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10301.5	10301.5	10301.5	10301.5	10301.5	10301.5	10301.5	10301.5	10301.5	10301.5
2.5°	10237.4	10236.0	10252.4	10260.6	10264.7	10283.7	10302.8	10353.3	10354.7	10384.6
5°	10223.8	10211.5	10222.4	10206.0	10210.1	10210.1	10234.7	10271.5	10285.1	10315.1
7.5°	9919.7	9917.0	9910.1	9892.4	9914.2	9899.2	9944.2	9977.0	10008.3	10023.3
10°	9352.5	9326.5	9326.5	9302.0	9323.8	9303.4	9377.0	9407.0	9460.2	9491.5
12.5°	8618.9	8608.0	8609.3	8598.4	8597.1	8568.4	8654.3	8680.2	8728.0	8774.3
15°	7836.2	7819.8	7834.8	7834.8	7822.6	7796.7	7888.0	7923.5	7993.0	8014.8
17.5°	7063.1	7056.3	7065.8	7069.9	7060.4	7035.8	7124.4	7202.2	7249.9	7249.9
20°	6354.1	6351.3	6363.6	6351.3	6341.8	6325.4	6407.2	6482.2	6524.5	6527.2
22.5°	5730.9	5745.9	5735.0	5720.0	5699.6	5687.3	5762.3	5831.8	5860.5	5889.1
25°	5184.1	5188.2	5196.4	5173.2	5148.7	5133.7	5189.6	5248.2	5293.2	5309.6
27.5°	4734.2	4749.2	4728.7	4693.3	4679.6	4661.9	4701.5	4743.7	4776.4	4799.6
30°	4296.5	4304.7	4308.8	4271.9	4239.2	4213.3	4246.0	4282.8	4295.1	4315.6
32.5°	3876.5	3890.2	3903.8	3858.8	3835.6	3811.1	3827.4	3850.6	3857.4	3858.8
35°	3457.9	3448.4	3436.1	3419.7	3402.0	3372.0	3388.4	3396.6	3402.0	3402.0
37.5°	2952.0	2960.2	2963.0	2931.6	2923.4	2903.0	2913.9	2915.2	2926.1	2933.0
40°	2233.5	2262.1	2243.0	2223.9	2226.6	2202.1	2198.0	2192.6	2217.1	2226.6
42.5°	1214.9	1264.0	1213.5	1229.9	1217.6	1204.0	1199.9	1206.7	1175.4	1149.5
45°	610.9	608.1	619.0	619.0	630.0	634.0	624.5	616.3	612.2	601.3
47.5°	492.2	484.1	482.7	489.5	497.7	503.1	495.0	490.9	489.5	496.3
50°	422.7	410.4	406.3	415.9	422.7	428.1	421.3	421.3	420.0	430.9
52.5°	368.2	355.9	355.9	375.0	380.4	385.9	381.8	381.8	381.8	394.1
55°	325.9	316.3	305.4	330.0	347.7	353.2	350.4	349.1	350.4	364.1
57.5°	293.2	287.7	280.9	286.3	313.6	320.4	319.1	319.1	321.8	332.7
60°	261.8	259.1	256.3	256.3	278.2	290.4	289.1	289.1	291.8	298.6
62.5°	233.2	230.4	227.7	230.4	238.6	257.7	257.7	259.1	263.2	265.9
65°	204.5	203.2	203.2	204.5	207.3	222.3	227.7	231.8	235.9	237.3
67.5°	177.3	175.9	177.3	180.0	180.0	186.8	199.1	203.2	207.3	207.3
70°	143.2	150.0	154.1	155.4	158.2	159.5	170.4	178.6	182.7	177.3
72.5°	77.7	88.6	133.6	137.7	139.1	140.4	148.6	158.2	160.9	105.0
75°	55.9	55.9	111.8	118.6	120.0	120.0	126.8	136.4	139.1	80.4
77.5°	36.8	35.5	77.7	85.9	98.2	79.1	103.6	114.5	117.3	66.8
80°	28.6	27.3	60.0	66.8	68.2	54.5	84.5	92.7	94.1	54.5
82.5°	21.8	20.5	43.6	49.1	53.2	35.5	60.0	70.9	73.6	47.7
85°	12.3	12.3	21.8	20.5	31.4	23.2	34.1	35.5	47.7	30.0
87.5°	4.1	5.5	9.5	9.5	10.9	9.5	13.6	13.6	15.0	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10301.5
10394.2
10320.6
10047.9
9525.6
8805.7
8044.8
7267.6
6542.2
5905.5
5320.5
4806.4
4319.7
3875.2
3418.4
2961.6
2238.9
1161.7
610.9
501.8
444.5
407.7
372.2
340.9
304.1
270.0
240.0
207.3
156.8
90.0
79.1
65.4
49.1
49.1
28.6
8.2
0.0