

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: P524298

Luminaire Tested: **IFLD-S-SA2D-930-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524298
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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: 9902.4 lumens
Efficiency: N/A
Efficacy: 79.9 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): 123.9
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

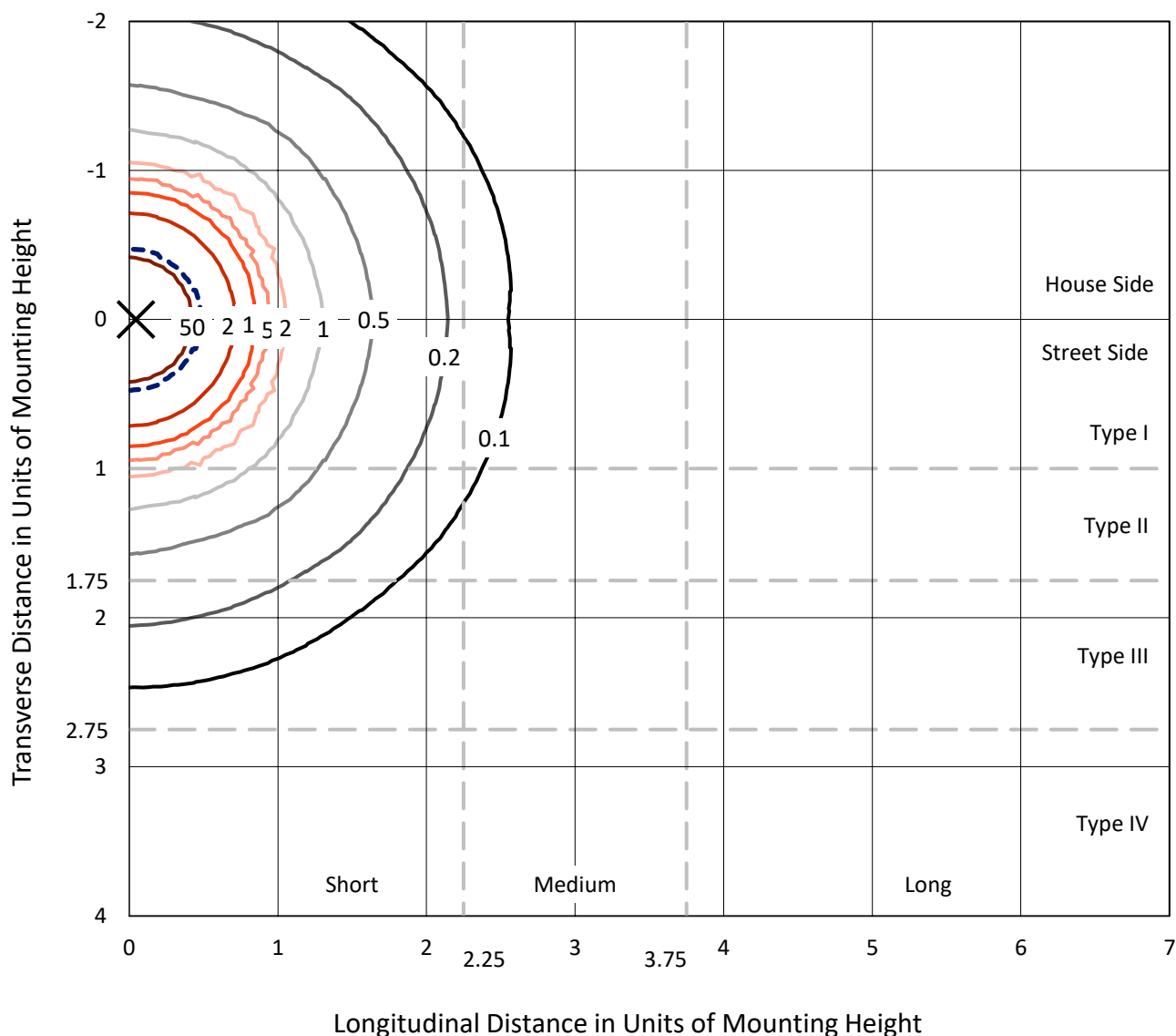
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

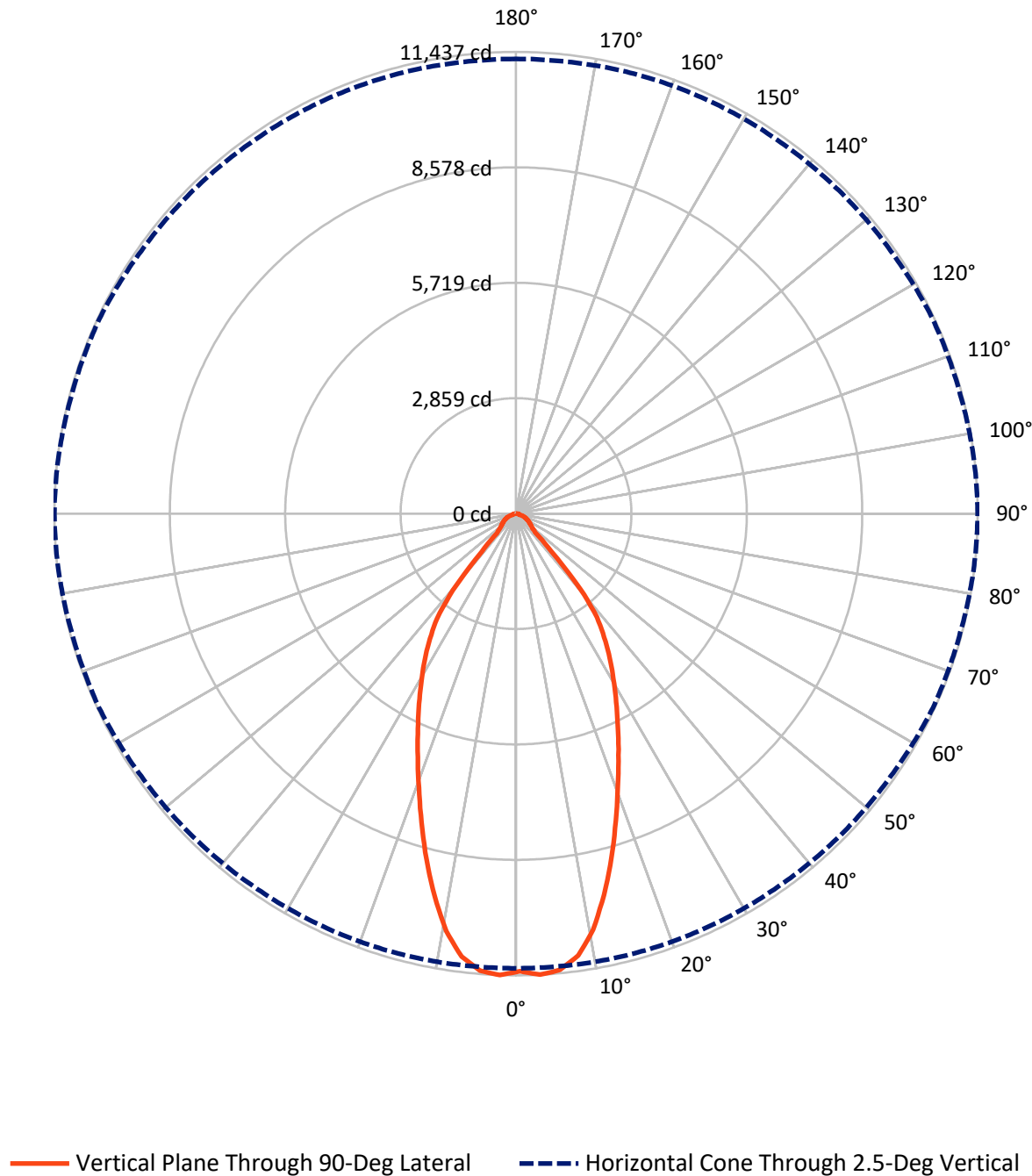


Based on 10 foot mounting height. Maximum calculated value = 113.4 fc

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	4951.2	0.0	4951.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4951.2	0.0	4951.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9902.4	0.0	9902.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.9	10.6
10°-20°	2412.1	24.4
20°-30°	2648.3	26.7
30°-40°	2296.3	23.2
40°-50°	755.6	7.6
50°-60°	338.8	3.4
60°-70°	239.5	2.4
70°-80°	130.0	1.3
80°-90°	36.9	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°	9902.4	100.0
0°-180°	9902.4	100.0

Coefficient of Utilization



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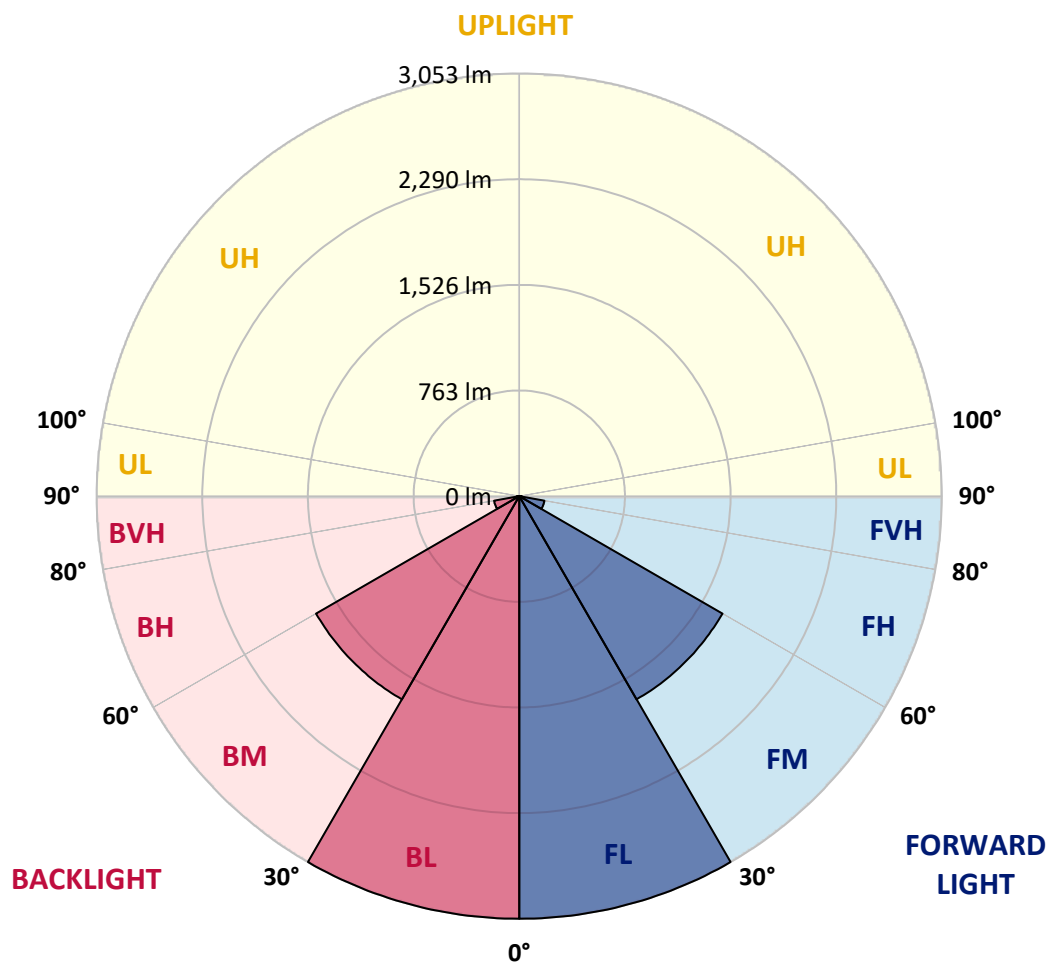
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3052.7	30.8			
FM	(30°-60°)	1695.3	17.1			
FH	(60°-80°)	184.7	1.9			G0/660
FVH	(80°-90°)	18.4	0.2			G1/100
BL	(0°-30°)	3052.7	30.8	B4/5000		
BM	(30°-60°)	1695.3	17.1	B2/2500		
BH	(60°-80°)	184.7	1.9	B1/500		G0/660
BVH	(80°-90°)	18.4	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°	11335.1	11335.1	11335.1	11335.1	11335.1	11335.1	11335.1	11335.1	11335.1	11335.1
2.5°	11264.6	11263.1	11281.1	11290.1	11294.6	11315.6	11336.6	11392.1	11393.6	11426.6
5°	11249.6	11236.1	11248.1	11230.1	11234.6	11234.6	11261.6	11302.1	11317.1	11350.1
7.5°	10915.0	10912.0	10904.5	10885.0	10909.0	10892.5	10942.0	10978.0	11012.5	11029.0
10°	10290.8	10262.3	10262.3	10235.3	10259.3	10236.8	10317.9	10350.9	10409.4	10443.9
12.5°	9483.7	9471.7	9473.2	9461.2	9459.7	9428.2	9522.7	9551.2	9603.7	9654.7
15°	8622.5	8604.5	8621.0	8621.0	8607.5	8579.0	8679.5	8718.5	8795.0	8819.0
17.5°	7771.8	7764.3	7774.8	7779.3	7768.8	7741.8	7839.3	7924.8	7977.3	7977.3
20°	6991.6	6988.6	7002.1	6988.6	6978.1	6960.1	7050.1	7132.6	7179.1	7182.1
22.5°	6305.9	6322.4	6310.4	6293.9	6271.4	6257.9	6340.4	6417.0	6448.5	6480.0
25°	5704.3	5708.8	5717.8	5692.3	5665.3	5648.8	5710.3	5774.8	5824.3	5842.3
27.5°	5209.2	5225.7	5203.2	5164.2	5149.2	5129.7	5173.2	5219.7	5255.7	5281.2
30°	4727.6	4736.6	4741.1	4700.6	4664.6	4636.1	4672.1	4712.6	4726.1	4748.6
32.5°	4265.5	4280.5	4295.5	4246.0	4220.5	4193.5	4211.5	4237.0	4244.5	4246.0
35°	3804.9	3794.4	3780.9	3762.9	3743.4	3710.3	3728.4	3737.4	3743.4	3743.4
37.5°	3248.2	3257.2	3260.2	3225.7	3216.7	3194.2	3206.2	3207.7	3219.7	3227.2
40°	2457.6	2489.1	2468.1	2447.1	2450.1	2423.1	2418.6	2412.6	2439.6	2450.1
42.5°	1336.8	1390.8	1335.3	1353.3	1339.8	1324.8	1320.3	1327.8	1293.3	1264.8
45°	672.2	669.2	681.2	681.2	693.2	697.7	687.2	678.2	673.7	661.7
47.5°	541.6	532.6	531.1	538.6	547.6	553.6	544.6	540.1	538.6	546.1
50°	465.1	451.6	447.1	457.6	465.1	471.1	463.6	463.6	462.1	474.1
52.5°	405.1	391.6	391.6	412.6	418.6	424.6	420.1	420.1	420.1	433.6
55°	358.6	348.1	336.1	363.1	382.6	388.6	385.6	384.1	385.6	400.6
57.5°	322.6	316.6	309.1	315.1	345.1	352.6	351.1	351.1	354.1	366.1
60°	288.1	285.1	282.1	282.1	306.1	319.6	318.1	318.1	321.1	328.6
62.5°	256.6	253.6	250.6	253.6	262.6	283.6	283.6	285.1	289.6	292.6
65°	225.1	223.6	223.6	225.1	228.1	244.6	250.6	255.1	259.6	261.1
67.5°	195.0	193.5	195.0	198.0	198.0	205.5	219.0	223.6	228.1	228.1
70°	157.5	165.0	169.5	171.0	174.0	175.5	187.5	196.5	201.0	195.0
72.5°	85.5	97.5	147.0	151.5	153.0	154.5	163.5	174.0	177.0	115.5
75°	61.5	61.5	123.0	130.5	132.0	132.0	139.5	150.0	153.0	88.5
77.5°	40.5	39.0	85.5	94.5	108.0	87.0	114.0	126.0	129.0	73.5
80°	31.5	30.0	66.0	73.5	75.0	60.0	93.0	102.0	103.5	60.0
82.5°	24.0	22.5	48.0	54.0	58.5	39.0	66.0	78.0	81.0	52.5
85°	13.5	13.5	24.0	22.5	34.5	25.5	37.5	39.0	52.5	33.0
87.5°	4.5	6.0	10.5	10.5	12.0	10.5	15.0	15.0	16.5	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

11335.1
11437.1
11356.1
11056.0
10481.4
9689.2
8852.0
7996.8
7198.6
6498.0
5854.3
5288.7
4753.1
4264.0
3761.4
3258.7
2463.6
1278.3
672.2
552.1
489.1
448.6
409.6
375.1
334.6
297.1
264.1
228.1
172.5
99.0
87.0
72.0
54.0
54.0
31.5
9.0
0.0