

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: P524295

Luminaire Tested: **IFLD-S-SA2A-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524295
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-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: 5845.5 lumens
Efficiency: N/A
Efficacy: 91.6 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): 63.8
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

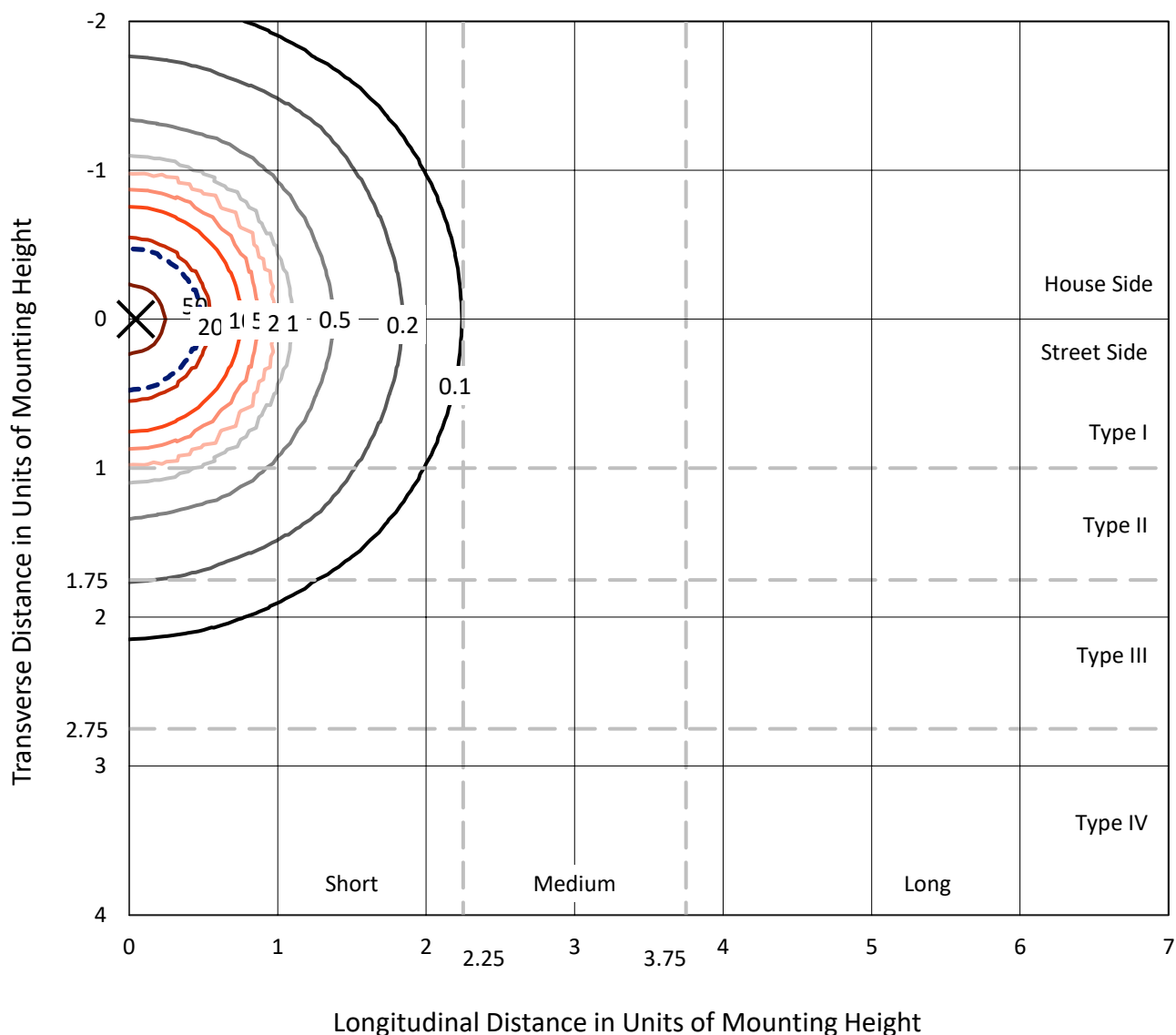
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

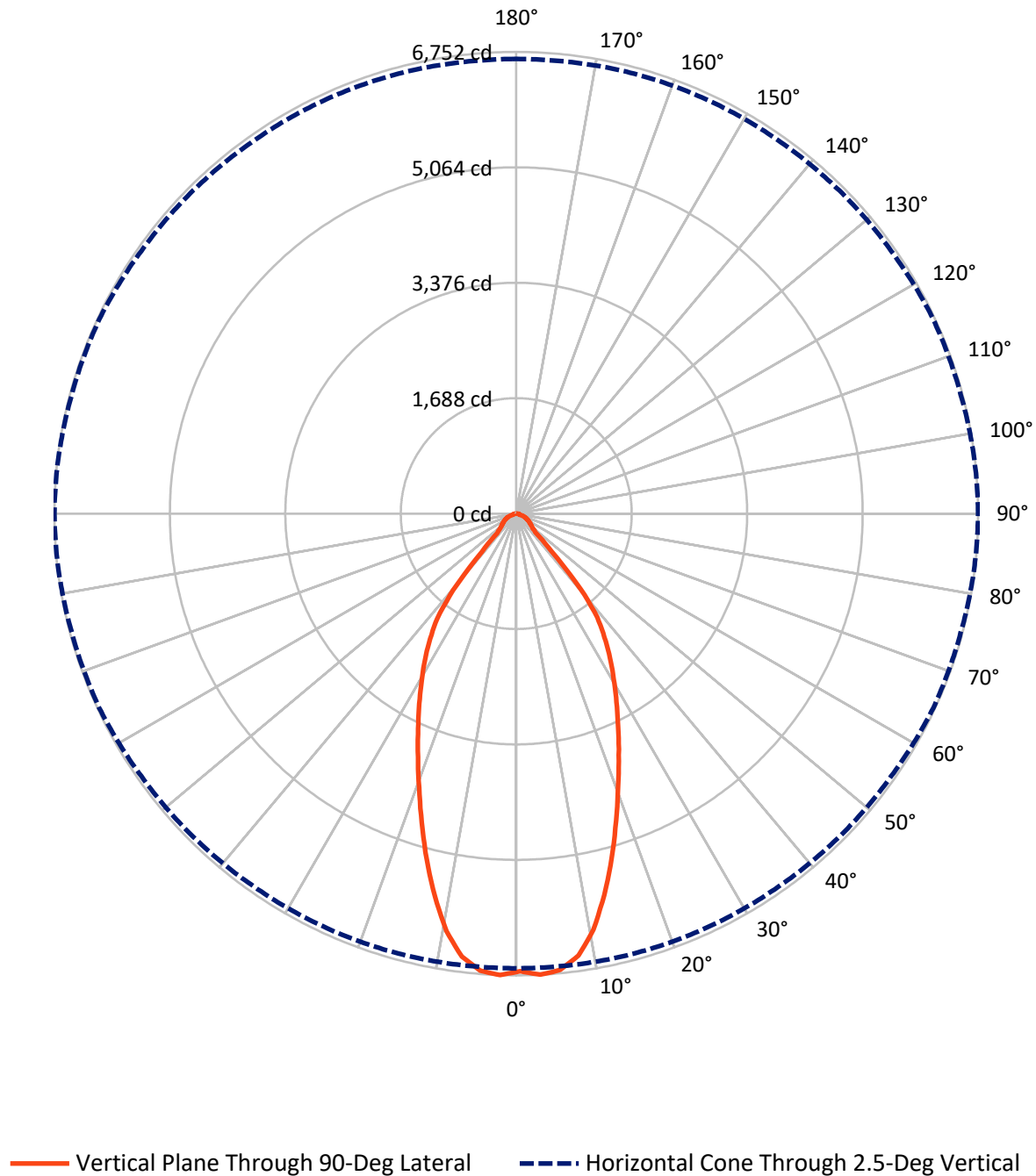


Based on 10 foot mounting height. Maximum calculated value = 66.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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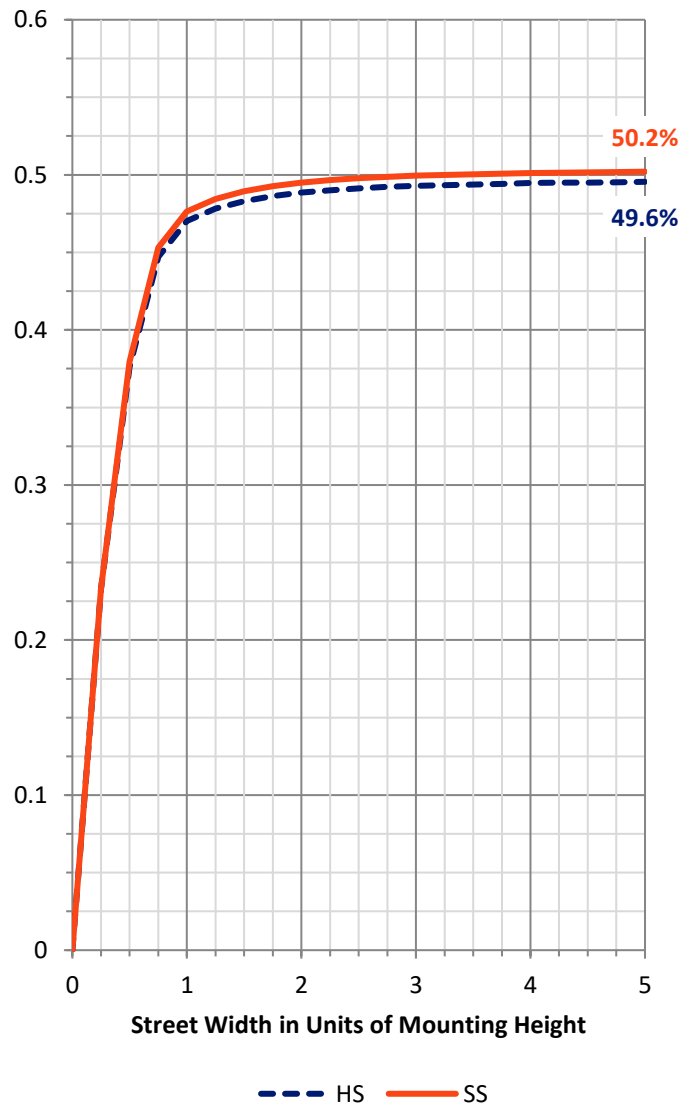
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2922.8	0.0	2922.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2922.8	0.0	2922.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5845.5	0.0	5845.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.8	10.6
10°-20°	1423.9	24.4
20°-30°	1563.3	26.7
30°-40°	1355.5	23.2
40°-50°	446.0	7.6
50°-60°	200.0	3.4
60°-70°	141.4	2.4
70°-80°	76.7	1.3
80°-90°	21.8	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°	5845.5	100.0
0°-180°	5845.5	100.0

Coefficient of Utilization



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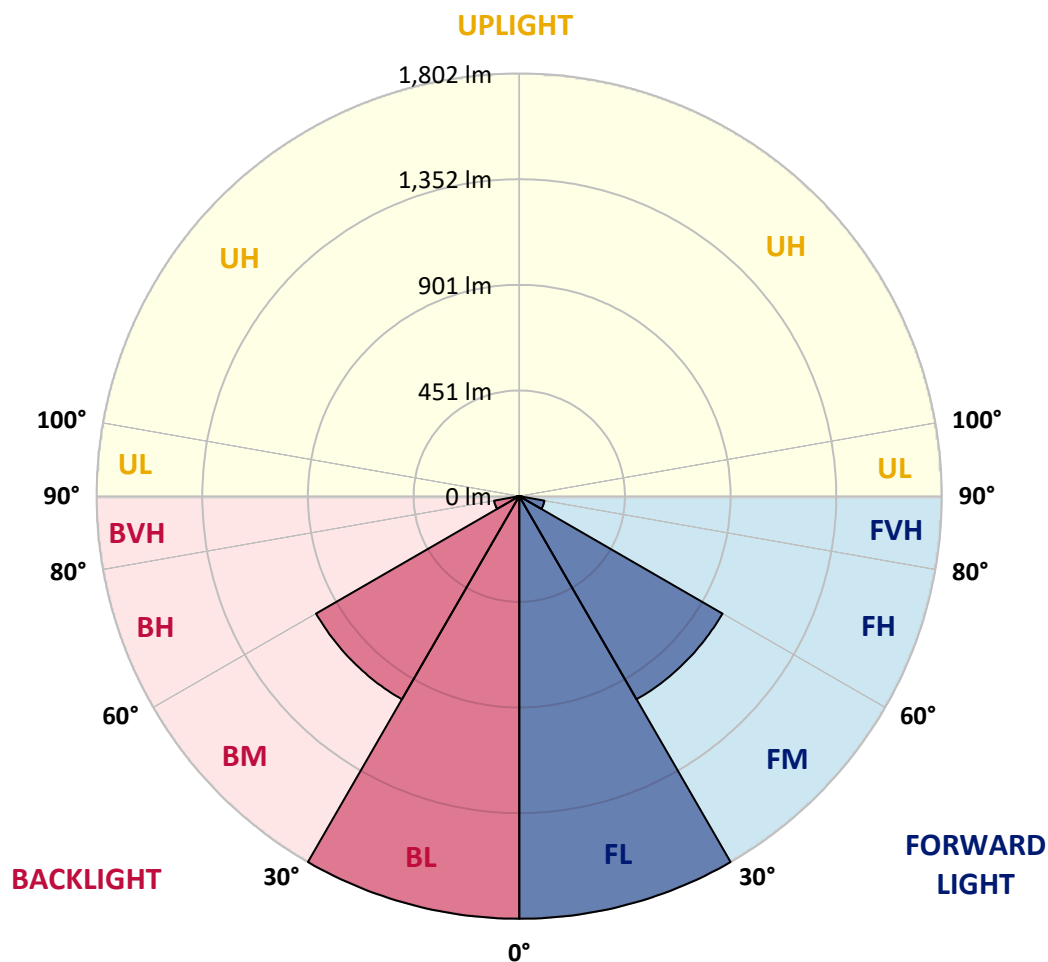
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1802.0	30.8			
FM	(30°-60°)	1000.8	17.1			
FH	(60°-80°)	109.0	1.9			G0/660
FVH	(80°-90°)	10.9	0.2			G1/100
BL	(0°-30°)	1802.0	30.8	B3/2500		
BM	(30°-60°)	1000.8	17.1	B2/2500		
BH	(60°-80°)	109.0	1.9	B0/110		G0/660
BVH	(80°-90°)	10.9	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°	6691.3	6691.3	6691.3	6691.3	6691.3	6691.3	6691.3	6691.3	6691.3	6691.3
2.5°	6649.6	6648.7	6659.4	6664.7	6667.3	6679.7	6692.1	6724.9	6725.8	6745.3
5°	6640.8	6632.8	6639.9	6629.3	6631.9	6631.9	6647.9	6671.8	6680.6	6700.1
7.5°	6443.3	6441.5	6437.1	6425.6	6439.7	6430.0	6459.2	6480.5	6500.8	6510.6
10°	6074.8	6058.0	6058.0	6042.1	6056.2	6042.9	6090.8	6110.3	6144.8	6165.2
12.5°	5598.3	5591.2	5592.1	5585.0	5584.2	5565.6	5621.4	5638.2	5669.2	5699.3
15°	5090.0	5079.3	5089.1	5089.1	5081.1	5064.3	5123.6	5146.6	5191.8	5206.0
17.5°	4587.8	4583.4	4589.6	4592.2	4586.0	4570.1	4627.6	4678.1	4709.1	4709.1
20°	4127.2	4125.5	4133.4	4125.5	4119.3	4108.6	4161.8	4210.5	4237.9	4239.7
22.5°	3722.5	3732.2	3725.1	3715.4	3702.1	3694.1	3742.9	3788.0	3806.6	3825.2
25°	3367.3	3370.0	3375.3	3360.2	3344.3	3334.6	3370.9	3409.0	3438.2	3448.8
27.5°	3075.1	3084.8	3071.5	3048.5	3039.6	3028.1	3053.8	3081.3	3102.5	3117.6
30°	2790.8	2796.1	2798.7	2774.8	2753.6	2736.7	2758.0	2781.9	2789.9	2803.2
32.5°	2518.0	2526.8	2535.7	2506.5	2491.4	2475.5	2486.1	2501.1	2505.6	2506.5
35°	2246.1	2239.9	2231.9	2221.3	2209.8	2190.3	2200.9	2206.2	2209.8	2209.8
37.5°	1917.5	1922.8	1924.6	1904.2	1898.9	1885.6	1892.7	1893.6	1900.7	1905.1
40°	1450.7	1469.3	1456.9	1444.5	1446.3	1430.4	1427.7	1424.2	1440.1	1446.3
42.5°	789.1	821.0	788.2	798.9	790.9	782.0	779.4	783.8	763.4	746.6
45°	396.8	395.0	402.1	402.1	409.2	411.8	405.6	400.3	397.7	390.6
47.5°	319.7	314.4	313.5	318.0	323.3	326.8	321.5	318.8	318.0	322.4
50°	274.6	266.6	263.9	270.1	274.6	278.1	273.7	273.7	272.8	279.9
52.5°	239.1	231.2	231.2	243.6	247.1	250.6	248.0	248.0	248.0	256.0
55°	211.7	205.5	198.4	214.3	225.8	229.4	227.6	226.7	227.6	236.5
57.5°	190.4	186.9	182.4	186.0	203.7	208.1	207.2	207.2	209.0	216.1
60°	170.0	168.3	166.5	166.5	180.7	188.6	187.8	187.8	189.5	194.0
62.5°	151.4	149.7	147.9	149.7	155.0	167.4	167.4	168.3	170.9	172.7
65°	132.9	132.0	132.0	132.9	134.6	144.4	147.9	150.6	153.2	154.1
67.5°	115.1	114.3	115.1	116.9	116.9	121.3	129.3	132.0	134.6	134.6
70°	93.0	97.4	100.1	101.0	102.7	103.6	110.7	116.0	118.7	115.1
72.5°	50.5	57.6	86.8	89.5	90.3	91.2	96.5	102.7	104.5	68.2
75°	36.3	36.3	72.6	77.1	77.9	77.9	82.4	88.6	90.3	52.3
77.5°	23.9	23.0	50.5	55.8	63.8	51.4	67.3	74.4	76.2	43.4
80°	18.6	17.7	39.0	43.4	44.3	35.4	54.9	60.2	61.1	35.4
82.5°	14.2	13.3	28.3	31.9	34.5	23.0	39.0	46.1	47.8	31.0
85°	8.0	8.0	14.2	13.3	20.4	15.1	22.1	23.0	31.0	19.5
87.5°	2.7	3.5	6.2	6.2	7.1	6.2	8.9	8.9	9.7	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6691.3
6751.5
6703.7
6526.5
6187.3
5719.7
5225.5
4720.6
4249.5
3835.8
3455.9
3122.0
2805.8
2517.1
2220.4
1923.7
1454.3
754.6
396.8
325.9
288.7
264.8
241.8
221.4
197.5
175.4
155.9
134.6
101.9
58.5
51.4
42.5
31.9
31.9
18.6
5.3
0.0