

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: P524257

Luminaire Tested: **IFLD-S-SA2B-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524257
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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: 7150.9 lumens
Efficiency: N/A
Efficacy: 86.8 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): 82.4
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

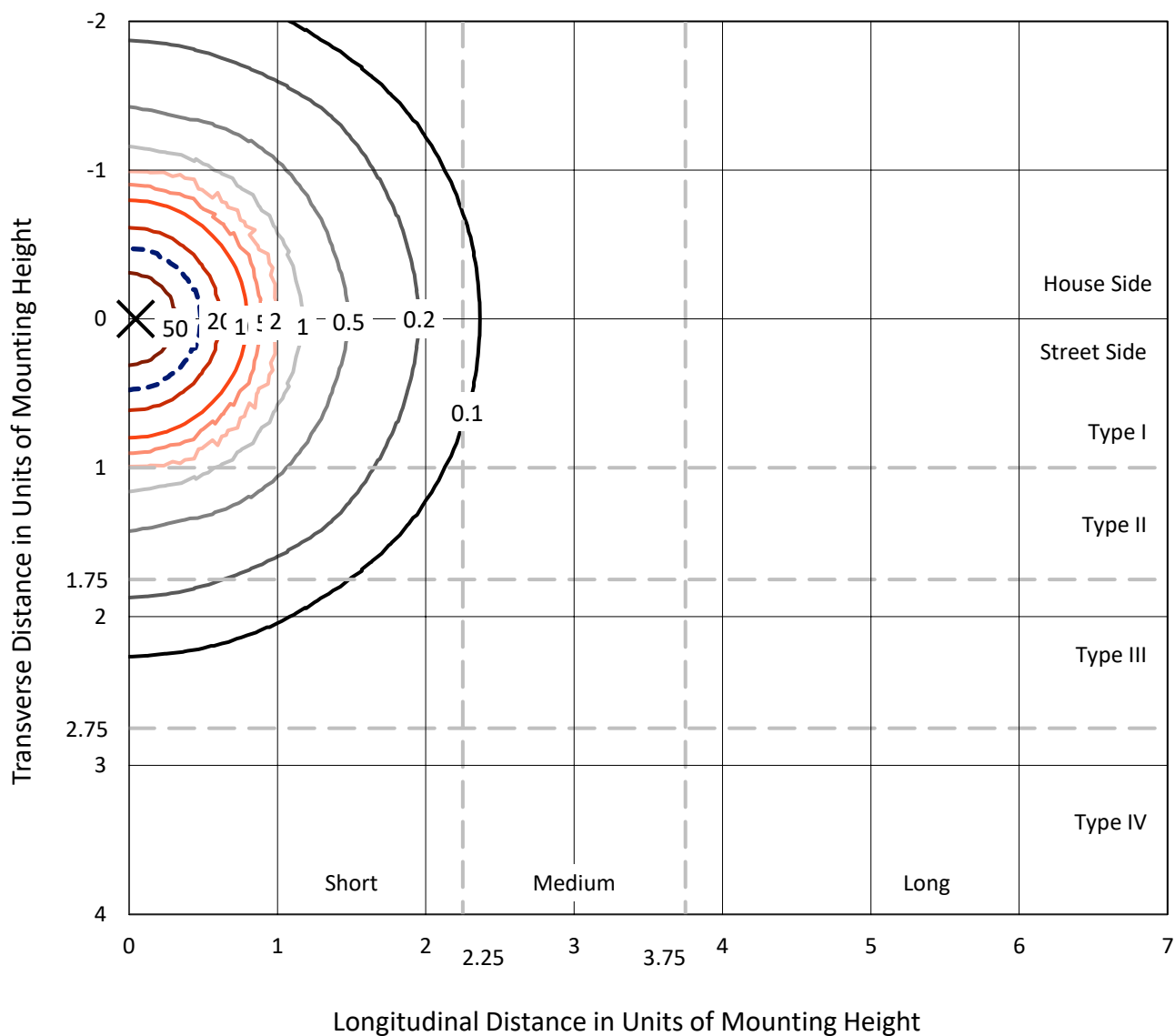
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

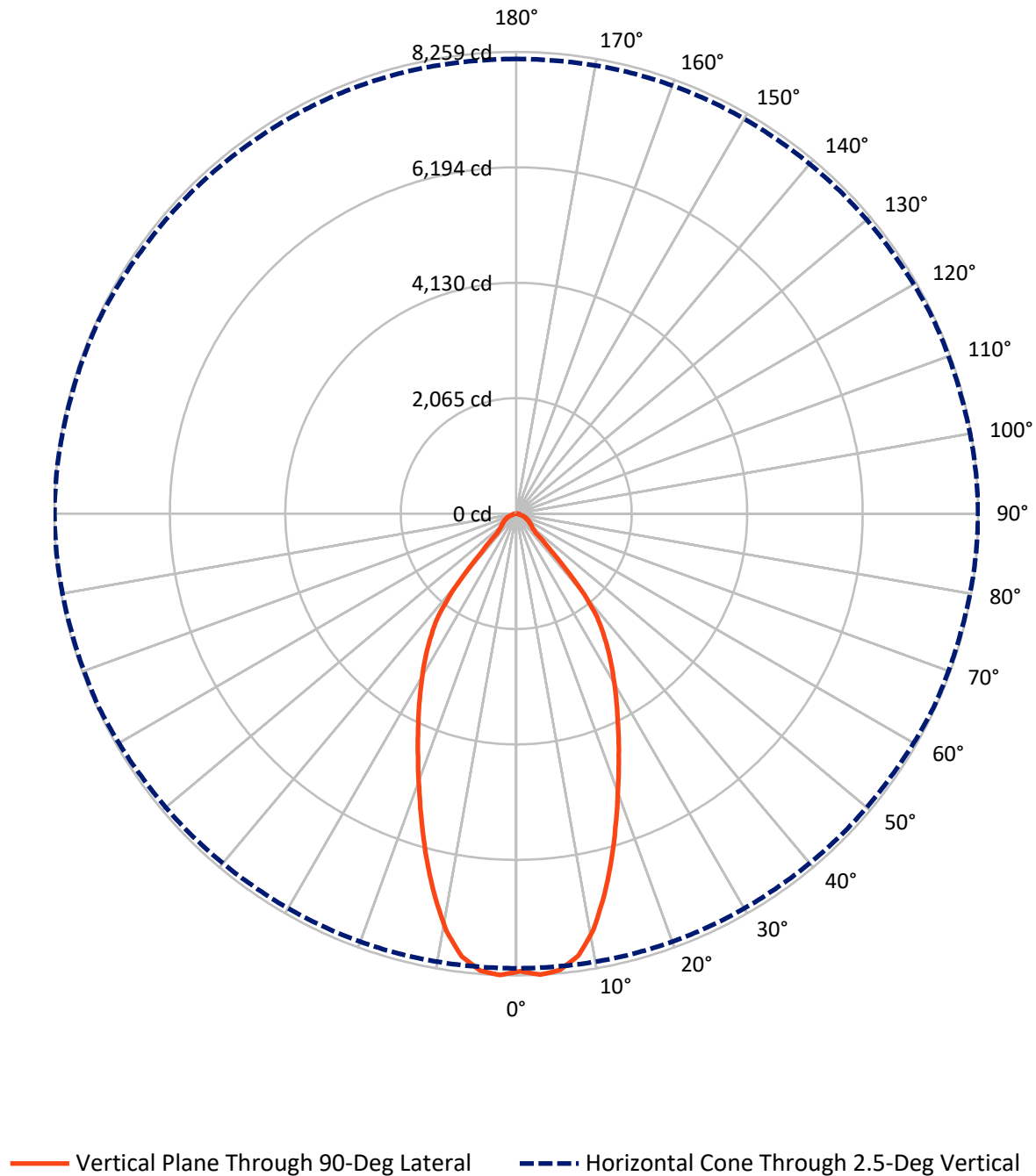


Based on 10 foot mounting height. Maximum calculated value = 81.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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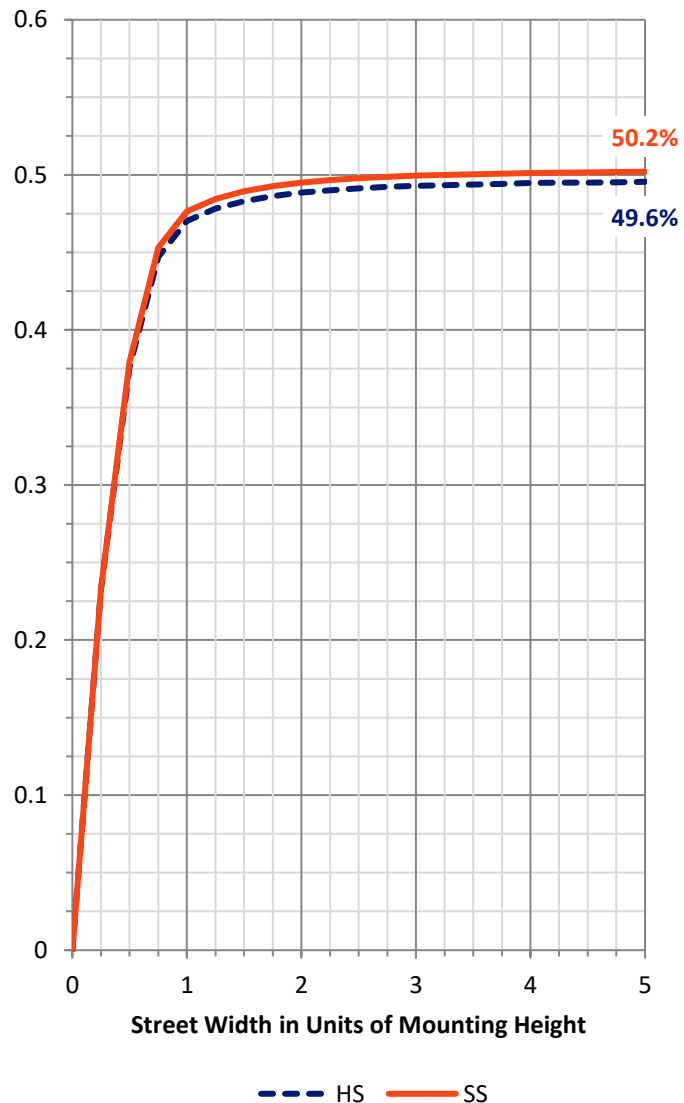
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3575.5	0.0	3575.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3575.5	0.0	3575.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7150.9	0.0	7150.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.6	10.6
10°-20°	1741.9	24.4
20°-30°	1912.5	26.7
30°-40°	1658.2	23.2
40°-50°	545.6	7.6
50°-60°	244.6	3.4
60°-70°	172.9	2.4
70°-80°	93.9	1.3
80°-90°	26.6	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°	7150.9	100.0
0°-180°	7150.9	100.0

Coefficient of Utilization



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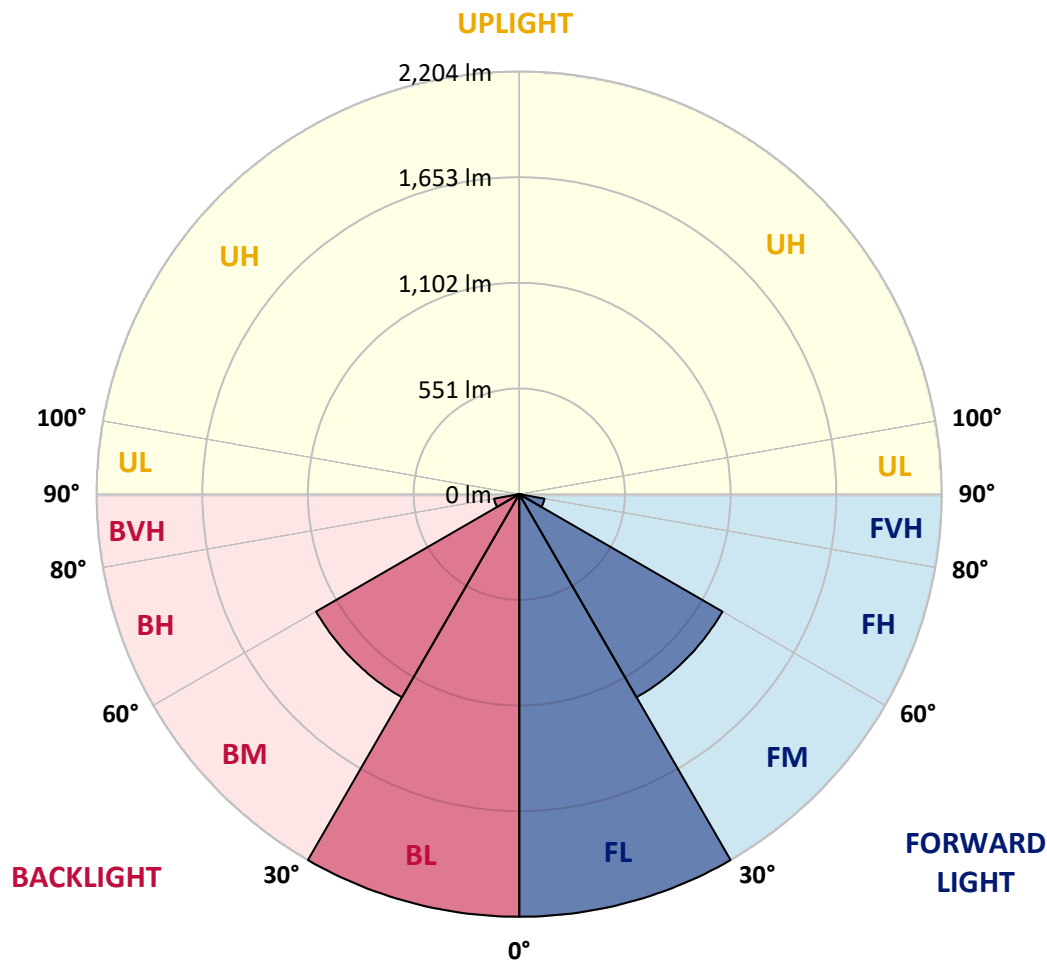
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2204.5	30.8			
FM	(30°-60°)	1224.3	17.1			
FH	(60°-80°)	133.4	1.9			G0/660
FVH	(80°-90°)	13.3	0.2			G1/100
BL	(0°-30°)	2204.5	30.8	B3/2500		
BM	(30°-60°)	1224.3	17.1	B2/2500		
BH	(60°-80°)	133.4	1.9	B1/500		G0/660
BVH	(80°-90°)	13.3	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°	8185.6	8185.6	8185.6	8185.6	8185.6	8185.6	8185.6	8185.6	8185.6	8185.6
2.5°	8134.7	8133.6	8146.6	8153.1	8156.3	8171.5	8186.7	8226.8	8227.8	8251.7
5°	8123.8	8114.1	8122.7	8109.7	8113.0	8113.0	8132.5	8161.7	8172.6	8196.4
7.5°	7882.2	7880.0	7874.6	7860.5	7877.9	7866.0	7901.7	7927.7	7952.6	7964.6
10°	7431.5	7410.9	7410.9	7391.4	7408.7	7392.5	7451.0	7474.8	7517.1	7542.0
12.5°	6848.6	6839.9	6841.0	6832.3	6831.3	6808.5	6876.8	6897.3	6935.3	6972.1
15°	6226.7	6213.7	6225.6	6225.6	6215.8	6195.3	6267.8	6296.0	6351.3	6368.6
17.5°	5612.4	5606.9	5614.5	5617.8	5610.2	5590.7	5661.1	5722.9	5760.8	5760.8
20°	5049.0	5046.8	5056.5	5046.8	5039.2	5026.2	5091.2	5150.8	5184.4	5186.6
22.5°	4553.8	4565.7	4557.1	4545.1	4528.9	4519.1	4578.7	4634.0	4656.7	4679.5
25°	4119.3	4122.6	4129.1	4110.7	4091.2	4079.2	4123.7	4170.3	4206.0	4219.0
27.5°	3761.8	3773.7	3757.5	3729.3	3718.5	3704.4	3735.8	3769.4	3795.4	3813.8
30°	3414.0	3420.5	3423.8	3394.5	3368.5	3347.9	3373.9	3403.2	3412.9	3429.2
32.5°	3080.3	3091.1	3102.0	3066.2	3047.8	3028.3	3041.3	3059.7	3065.1	3066.2
35°	2747.7	2740.1	2730.3	2717.3	2703.2	2679.4	2692.4	2698.9	2703.2	2703.2
37.5°	2345.7	2352.2	2354.4	2329.5	2323.0	2306.7	2315.4	2316.4	2325.1	2330.5
40°	1774.7	1797.5	1782.3	1767.1	1769.3	1749.8	1746.5	1742.2	1761.7	1769.3
42.5°	965.4	1004.4	964.3	977.3	967.5	956.7	953.4	958.9	933.9	913.4
45°	485.4	483.2	491.9	491.9	500.6	503.8	496.2	489.7	486.5	477.8
47.5°	391.1	384.6	383.5	389.0	395.5	399.8	393.3	390.0	389.0	394.4
50°	335.9	326.1	322.9	330.5	335.9	340.2	334.8	334.8	333.7	342.4
52.5°	292.5	282.8	282.8	298.0	302.3	306.6	303.4	303.4	303.4	313.1
55°	258.9	251.4	242.7	262.2	276.3	280.6	278.5	277.4	278.5	289.3
57.5°	232.9	228.6	223.2	227.5	249.2	254.6	253.5	253.5	255.7	264.4
60°	208.0	205.9	203.7	203.7	221.0	230.8	229.7	229.7	231.9	237.3
62.5°	185.3	183.1	180.9	183.1	189.6	204.8	204.8	205.9	209.1	211.3
65°	162.5	161.4	161.4	162.5	164.7	176.6	180.9	184.2	187.4	188.5
67.5°	140.9	139.8	140.9	143.0	143.0	148.4	158.2	161.4	164.7	164.7
70°	113.8	119.2	122.4	123.5	125.7	126.8	135.4	141.9	145.2	140.9
72.5°	61.8	70.4	106.2	109.4	110.5	111.6	118.1	125.7	127.8	83.4
75°	44.4	44.4	88.8	94.3	95.3	95.3	100.8	108.3	110.5	63.9
77.5°	29.3	28.2	61.8	68.3	78.0	62.8	82.3	91.0	93.2	53.1
80°	22.8	21.7	47.7	53.1	54.2	43.3	67.2	73.7	74.8	43.3
82.5°	17.3	16.3	34.7	39.0	42.3	28.2	47.7	56.3	58.5	37.9
85°	9.8	9.8	17.3	16.3	24.9	18.4	27.1	28.2	37.9	23.8
87.5°	3.3	4.3	7.6	7.6	8.7	7.6	10.8	10.8	11.9	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8185.6
8259.3
8200.8
7984.1
7569.1
6997.0
6392.4
5774.9
5198.5
4692.5
4227.7
3819.2
3432.4
3079.2
2716.2
2353.3
1779.1
923.1
485.4
398.7
353.2
324.0
295.8
270.9
241.6
214.5
190.7
164.7
124.6
71.5
62.8
52.0
39.0
39.0
22.8
6.5
0.0