

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: P524413

Luminaire Tested: **IFLD-S-SA2B-950-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524413
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-950-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8162.2 lumens
Efficiency: N/A
Efficacy: 99.1 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): 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

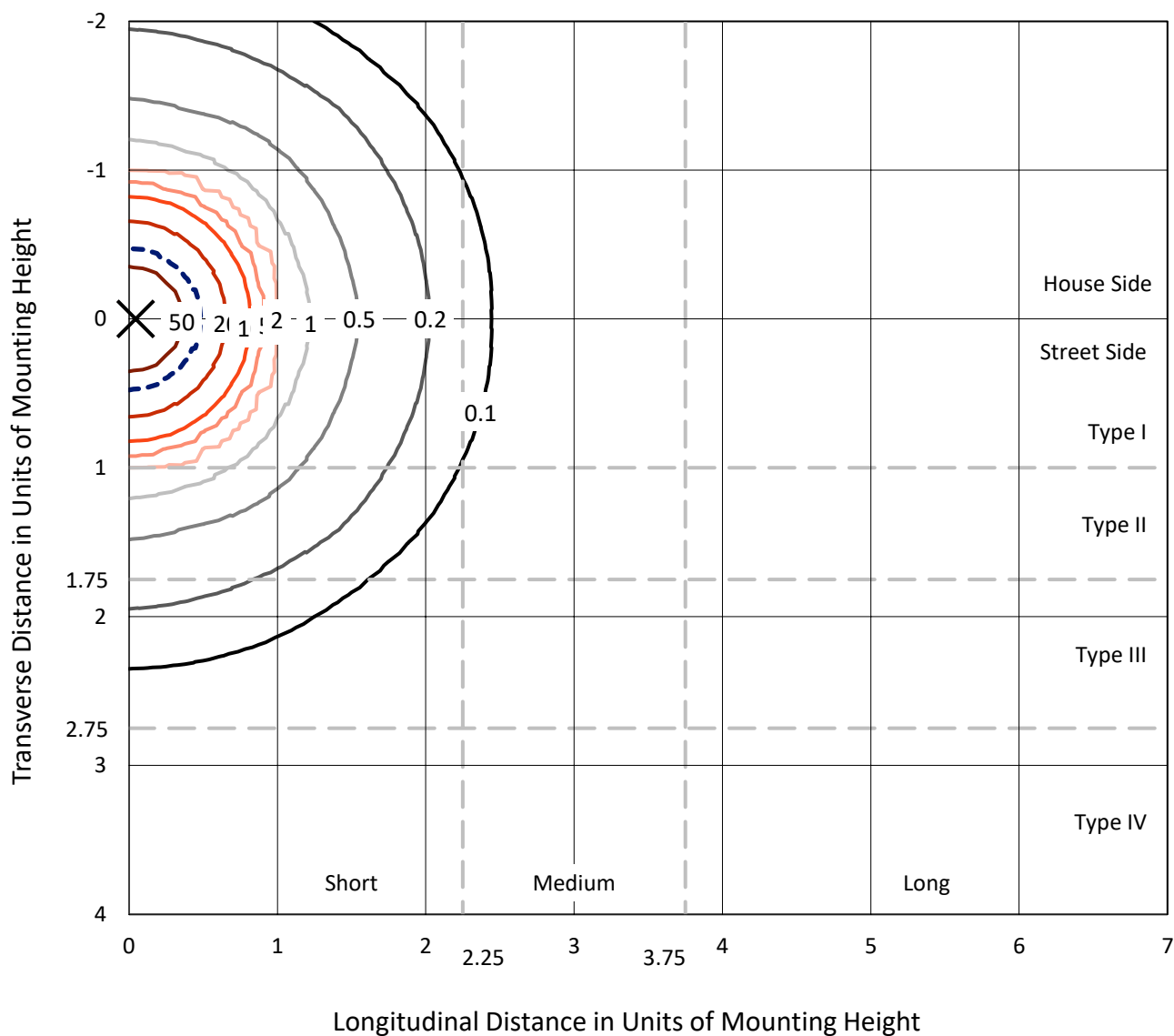
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

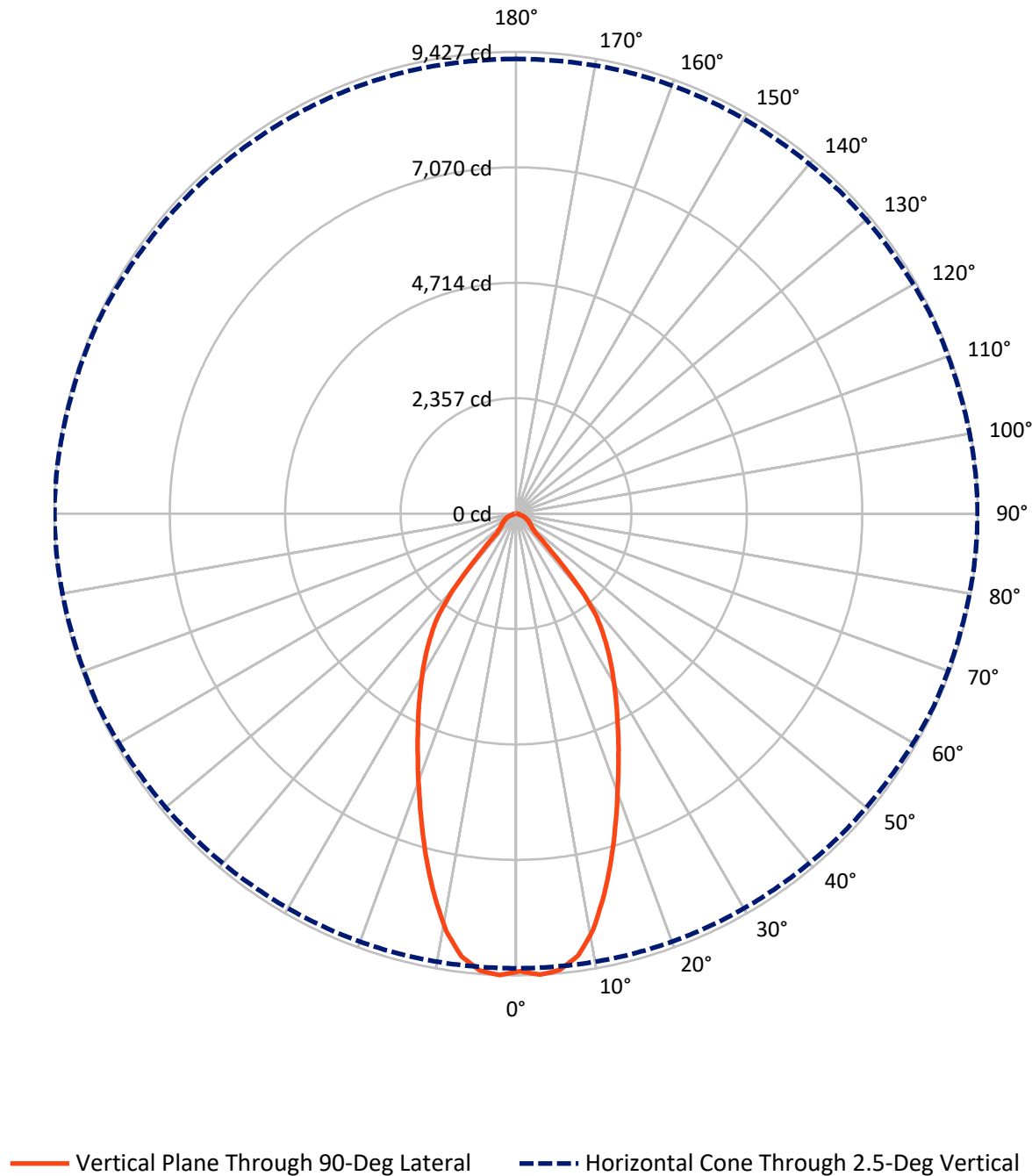


Based on 10 foot mounting height. Maximum calculated value = 93.4 fc

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	4081.1	0.0	4081.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4081.1	0.0	4081.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8162.2	0.0	8162.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	861.3	10.6
10°-20°	1988.3	24.4
20°-30°	2182.9	26.7
30°-40°	1892.8	23.2
40°-50°	622.8	7.6
50°-60°	279.2	3.4
60°-70°	197.4	2.4
70°-80°	107.2	1.3
80°-90°	30.4	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°	8162.2	100.0
0°-180°	8162.2	100.0

Coefficient of Utilization



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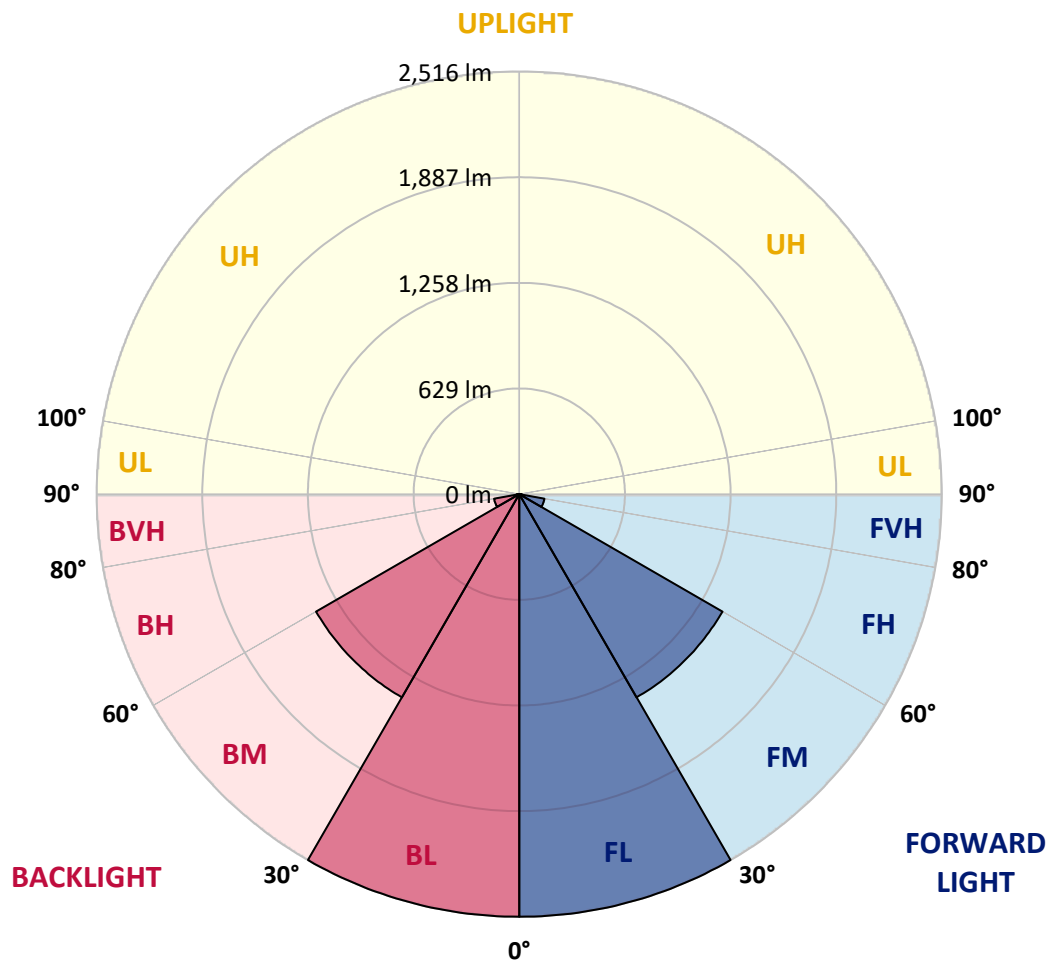
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2516.3	30.8			
FM	(30°-60°)	1397.4	17.1			
FH	(60°-80°)	152.3	1.9			G0/660
FVH	(80°-90°)	15.2	0.2			G1/100
BL	(0°-30°)	2516.3	30.8	B4/5000		
BM	(30°-60°)	1397.4	17.1	B2/2500		
BH	(60°-80°)	152.3	1.9	B1/500		G0/660
BVH	(80°-90°)	15.2	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°	9343.2	9343.2	9343.2	9343.2	9343.2	9343.2	9343.2	9343.2	9343.2	9343.2
2.5°	9285.1	9283.8	9298.7	9306.1	9309.8	9327.1	9344.4	9390.2	9391.4	9418.6
5°	9272.7	9261.6	9271.5	9256.6	9260.3	9260.3	9282.6	9316.0	9328.4	9355.6
7.5°	8996.9	8994.5	8988.3	8972.2	8992.0	8978.4	9019.2	9048.9	9077.3	9090.9
10°	8482.5	8459.0	8459.0	8436.7	8456.5	8437.9	8504.7	8531.9	8580.2	8608.6
12.5°	7817.1	7807.2	7808.5	7798.6	7797.3	7771.4	7849.3	7872.8	7916.1	7958.1
15°	7107.3	7092.4	7106.0	7106.0	7094.9	7071.4	7154.3	7186.4	7249.5	7269.3
17.5°	6406.1	6399.9	6408.5	6412.2	6403.6	6381.3	6461.7	6532.2	6575.5	6575.5
20°	5763.0	5760.5	5771.6	5760.5	5751.9	5737.0	5811.2	5879.2	5917.6	5920.0
22.5°	5197.8	5211.4	5201.5	5187.9	5169.4	5158.2	5226.3	5289.3	5315.3	5341.3
25°	4701.9	4705.6	4713.0	4692.0	4669.7	4656.1	4706.8	4760.0	4800.8	4815.7
27.5°	4293.8	4307.4	4288.8	4256.7	4244.3	4228.2	4264.1	4302.5	4332.1	4353.2
30°	3896.8	3904.2	3907.9	3874.6	3844.9	3821.4	3851.1	3884.4	3895.6	3914.1
32.5°	3515.9	3528.3	3540.6	3499.8	3478.8	3456.6	3471.4	3492.4	3498.6	3499.8
35°	3136.3	3127.6	3116.5	3101.6	3085.5	3058.3	3073.2	3080.6	3085.5	3085.5
37.5°	2677.4	2684.9	2687.3	2658.9	2651.5	2632.9	2642.8	2644.0	2653.9	2660.1
40°	2025.7	2051.7	2034.4	2017.0	2019.5	1997.3	1993.5	1988.6	2010.9	2019.5
42.5°	1101.9	1146.4	1100.7	1115.5	1104.4	1092.0	1088.3	1094.5	1066.0	1042.5
45°	554.0	551.6	561.5	561.5	571.4	575.1	566.4	559.0	555.3	545.4
47.5°	446.4	439.0	437.8	444.0	451.4	456.3	448.9	445.2	444.0	450.2
50°	383.4	372.2	368.5	377.2	383.4	388.3	382.1	382.1	380.9	390.8
52.5°	333.9	322.8	322.8	340.1	345.0	350.0	346.3	346.3	346.3	357.4
55°	295.6	286.9	277.0	299.3	315.4	320.3	317.8	316.6	317.8	330.2
57.5°	265.9	260.9	254.8	259.7	284.4	290.6	289.4	289.4	291.9	301.8
60°	237.4	235.0	232.5	232.5	252.3	263.4	262.2	262.2	264.7	270.8
62.5°	211.5	209.0	206.5	209.0	216.4	233.7	233.7	235.0	238.7	241.2
65°	185.5	184.3	184.3	185.5	188.0	201.6	206.5	210.2	213.9	215.2
67.5°	160.8	159.5	160.8	163.2	163.2	169.4	180.6	184.3	188.0	188.0
70°	129.9	136.0	139.7	141.0	143.5	144.7	154.6	162.0	165.7	160.8
72.5°	70.5	80.4	121.2	124.9	126.1	127.4	134.8	143.5	145.9	95.2
75°	50.7	50.7	101.4	107.6	108.8	108.8	115.0	123.7	126.1	73.0
77.5°	33.4	32.2	70.5	77.9	89.0	71.7	94.0	103.9	106.4	60.6
80°	26.0	24.7	54.4	60.6	61.8	49.5	76.7	84.1	85.3	49.5
82.5°	19.8	18.6	39.6	44.5	48.2	32.2	54.4	64.3	66.8	43.3
85°	11.1	11.1	19.8	18.6	28.4	21.0	30.9	32.2	43.3	27.2
87.5°	3.7	4.9	8.7	8.7	9.9	8.7	12.4	12.4	13.6	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9343.2
9427.3
9360.5
9113.2
8639.5
7986.6
7296.5
6591.6
5933.6
5356.1
4825.6
4359.3
3917.8
3514.7
3100.4
2686.1
2030.6
1053.7
554.0
455.1
403.2
369.8
337.6
309.2
275.8
244.9
217.7
188.0
142.2
81.6
71.7
59.4
44.5
44.5
26.0
7.4
0.0