

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: P524321

Luminaire Tested: **IFLD-M-SA4B-930-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524321
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14461.1 lumens
Efficiency: N/A
Efficacy: 87.1 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): 166.1
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

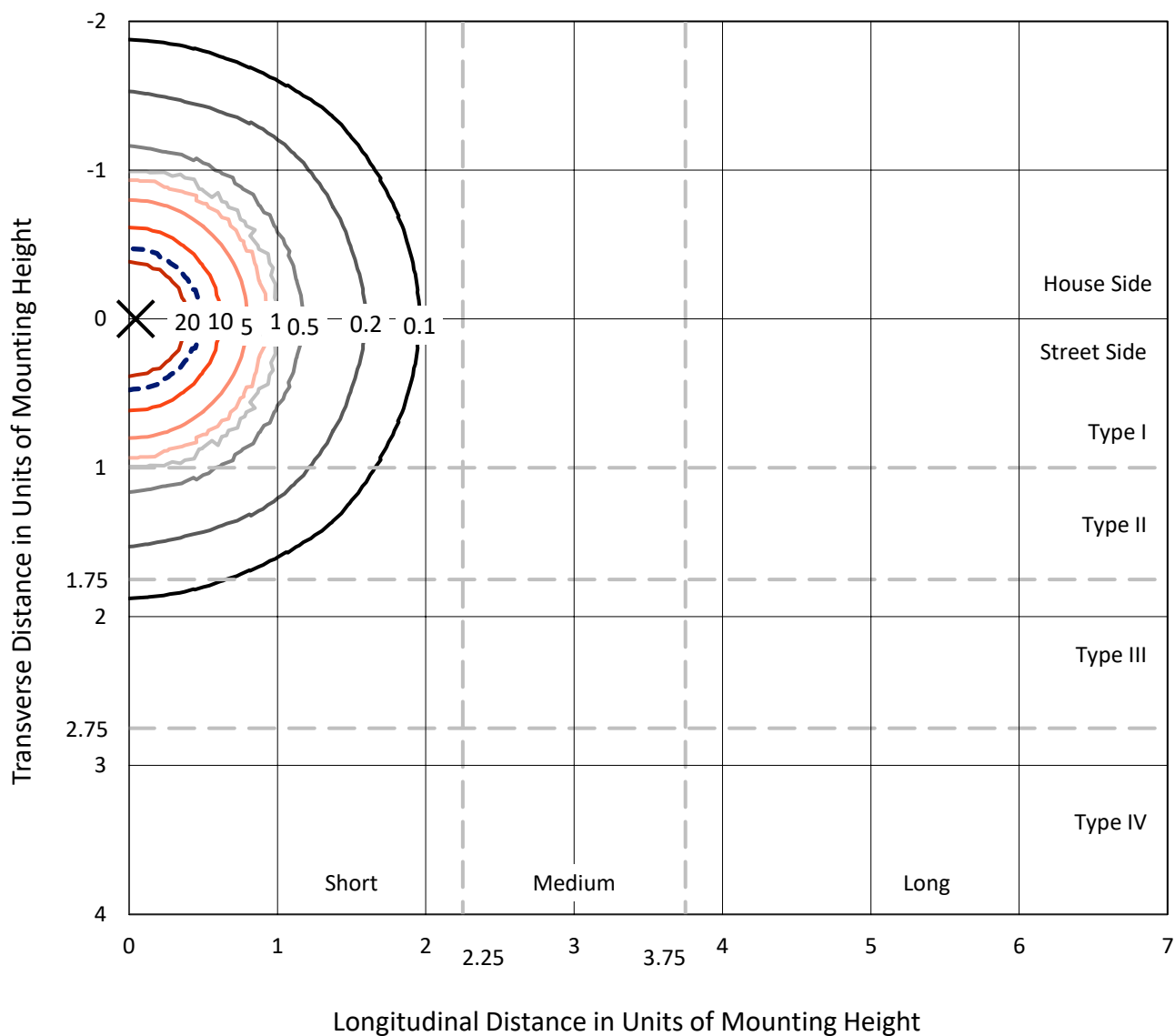
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

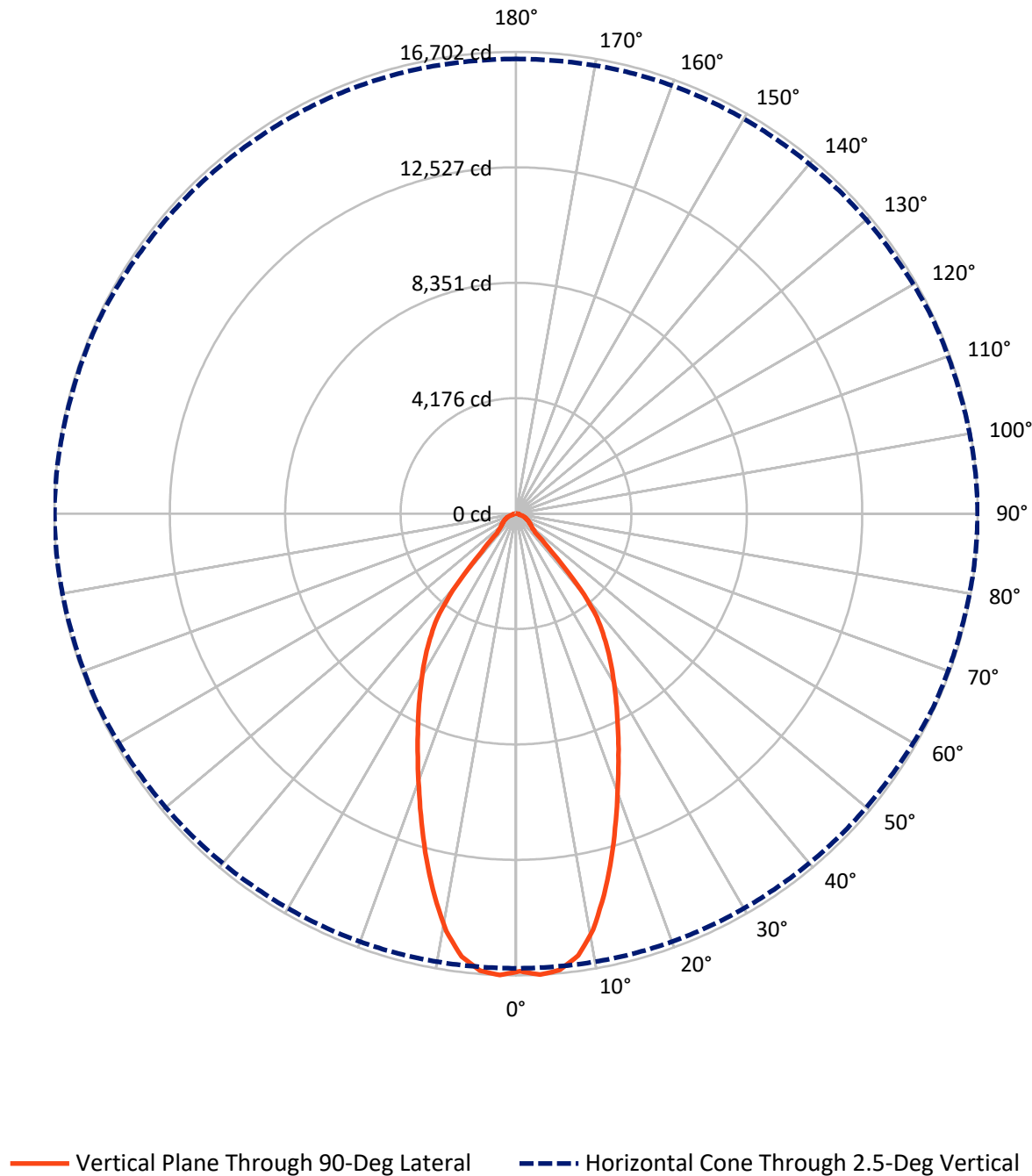


Based on 20 foot mounting height. Maximum calculated value = 41.4 fc

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	7230.5	0.0	7230.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7230.5	0.0	7230.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14461.1	0.0	14461.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1526.0	10.6
10°-20°	3522.6	24.4
20°-30°	3867.5	26.7
30°-40°	3353.4	23.2
40°-50°	1103.4	7.6
50°-60°	494.7	3.4
60°-70°	349.7	2.4
70°-80°	189.9	1.3
80°-90°	53.8	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°	14461.1	100.0
0°-180°	14461.1	100.0

Coefficient of Utilization



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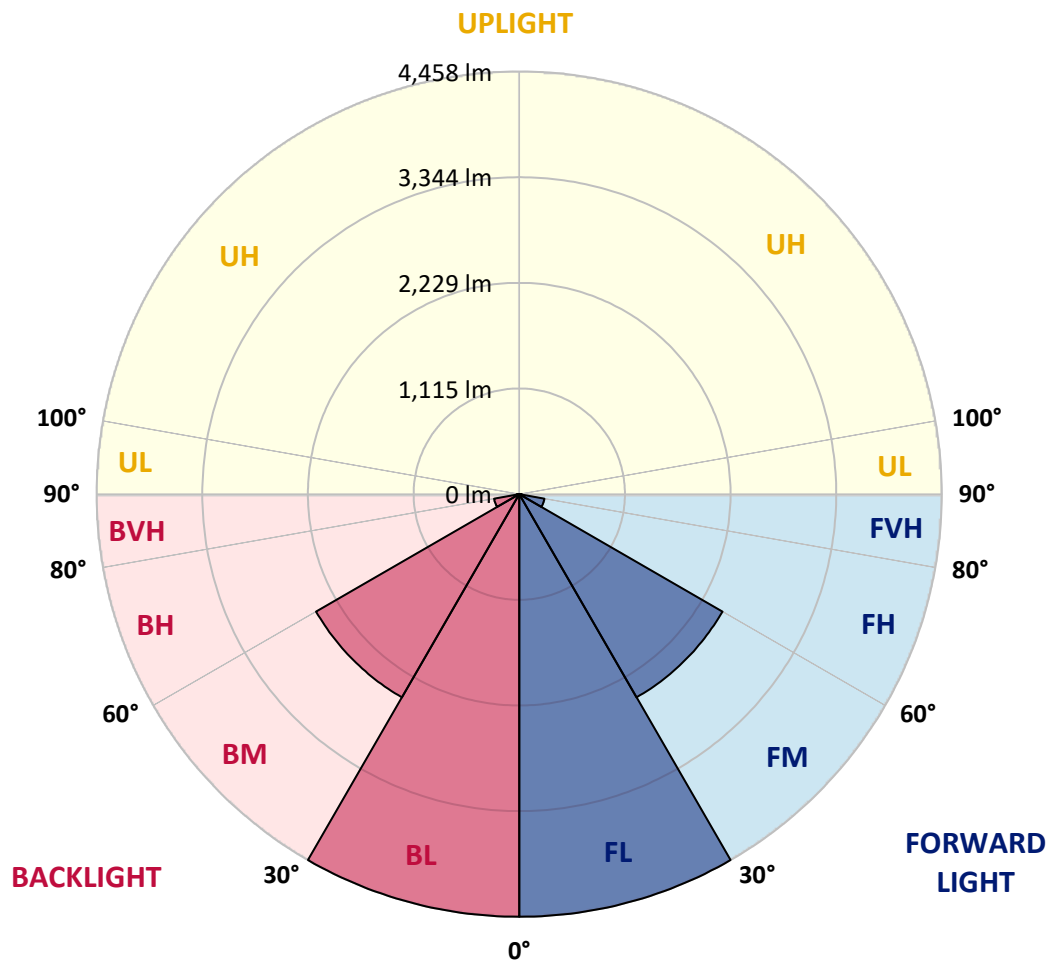
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4458.1	30.8			
FM	(30°-60°)	2475.8	17.1			
FH	(60°-80°)	269.8	1.9			G0/660
FVH	(80°-90°)	26.9	0.2			G1/100
BL	(0°-30°)	4458.1	30.8	B4/5000		
BM	(30°-60°)	2475.8	17.1	B2/2500		
BH	(60°-80°)	269.8	1.9	B1/500		G0/660
BVH	(80°-90°)	26.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16553.4	16553.4	16553.4	16553.4	16553.4	16553.4	16553.4	16553.4	16553.4	16553.4
2.5°	16450.4	16448.2	16474.5	16487.7	16494.2	16524.9	16555.6	16636.6	16638.8	16687.0
5°	16428.5	16408.8	16426.3	16400.0	16406.6	16406.6	16446.0	16505.2	16527.1	16575.3
7.5°	15939.9	15935.5	15924.6	15896.1	15931.1	15907.0	15979.3	16031.9	16082.3	16106.4
10°	15028.4	14986.8	14986.8	14947.3	14982.4	14949.5	15067.9	15116.1	15201.5	15251.9
12.5°	13849.6	13832.1	13834.3	13816.8	13814.6	13768.6	13906.6	13948.2	14024.9	14099.4
15°	12592.0	12565.7	12589.8	12589.8	12570.1	12528.4	12675.2	12732.2	12843.9	12879.0
17.5°	11349.6	11338.7	11354.0	11360.6	11345.3	11305.8	11448.2	11573.1	11649.8	11649.8
20°	10210.3	10205.9	10225.6	10205.9	10190.6	10164.3	10295.7	10416.3	10484.2	10488.6
22.5°	9209.0	9233.1	9215.6	9191.5	9158.6	9138.9	9259.4	9371.1	9417.1	9463.1
25°	8330.4	8336.9	8350.1	8312.8	8273.4	8249.3	8339.1	8433.4	8505.7	8532.0
27.5°	7607.3	7631.4	7598.6	7541.6	7519.7	7491.2	7554.7	7622.7	7675.3	7712.5
30°	6904.0	6917.1	6923.7	6864.6	6812.0	6770.3	6822.9	6882.1	6901.8	6934.7
32.5°	6229.2	6251.1	6273.0	6200.7	6163.4	6124.0	6150.3	6187.5	6198.5	6200.7
35°	5556.5	5541.2	5521.4	5495.2	5466.7	5418.5	5444.8	5457.9	5466.7	5466.7
37.5°	4743.6	4756.8	4761.2	4710.8	4697.6	4664.7	4682.3	4684.5	4702.0	4712.9
40°	3588.9	3635.0	3604.3	3573.6	3578.0	3538.5	3532.0	3523.2	3562.6	3578.0
42.5°	1952.2	2031.1	1950.0	1976.3	1956.6	1934.7	1928.1	1939.1	1888.7	1847.1
45°	981.6	977.2	994.7	994.7	1012.3	1018.8	1003.5	990.4	983.8	966.3
47.5°	791.0	777.8	775.6	786.6	799.7	808.5	795.4	788.8	786.6	797.5
50°	679.2	659.5	652.9	668.3	679.2	688.0	677.0	677.0	674.8	692.4
52.5°	591.6	571.9	571.9	602.5	611.3	620.1	613.5	613.5	613.5	633.2
55°	523.7	508.3	490.8	530.2	558.7	567.5	563.1	560.9	563.1	585.0
57.5°	471.1	462.3	451.4	460.1	503.9	514.9	512.7	512.7	517.1	534.6
60°	420.7	416.3	411.9	411.9	447.0	466.7	464.5	464.5	468.9	479.8
62.5°	374.7	370.3	365.9	370.3	383.4	414.1	414.1	416.3	422.9	427.3
65°	328.7	326.5	326.5	328.7	333.0	357.1	365.9	372.5	379.1	381.2
67.5°	284.8	282.6	284.8	289.2	289.2	300.2	319.9	326.5	333.0	333.0
70°	230.1	241.0	247.6	249.8	254.2	256.4	273.9	287.0	293.6	284.8
72.5°	124.9	142.4	214.7	221.3	223.5	225.7	238.8	254.2	258.5	168.7
75°	89.8	89.8	179.7	190.6	192.8	192.8	203.8	219.1	223.5	129.3
77.5°	59.2	57.0	124.9	138.0	157.8	127.1	166.5	184.0	188.4	107.4
80°	46.0	43.8	96.4	107.4	109.6	87.6	135.8	149.0	151.2	87.6
82.5°	35.1	32.9	70.1	78.9	85.5	57.0	96.4	113.9	118.3	76.7
85°	19.7	19.7	35.1	32.9	50.4	37.2	54.8	57.0	76.7	48.2
87.5°	6.6	8.8	15.3	15.3	17.5	15.3	21.9	21.9	24.1	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

16553.4
16702.4
16584.1
16145.9
15306.7
14149.8
12927.2
11678.3
10512.7
9489.4
8549.5
7723.5
6941.2
6227.0
5493.0
4759.0
3597.7
1866.8
981.6
806.3
714.3
655.1
598.2
547.8
488.6
433.8
385.6
333.0
252.0
144.6
127.1
105.2
78.9
78.9
46.0
13.1
0.0