

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: P524379

Luminaire Tested: **IFLD-S-SA3B-940-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524379
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12164.2 lumens
Efficiency: N/A
Efficacy: 99.4 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): 122.4
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

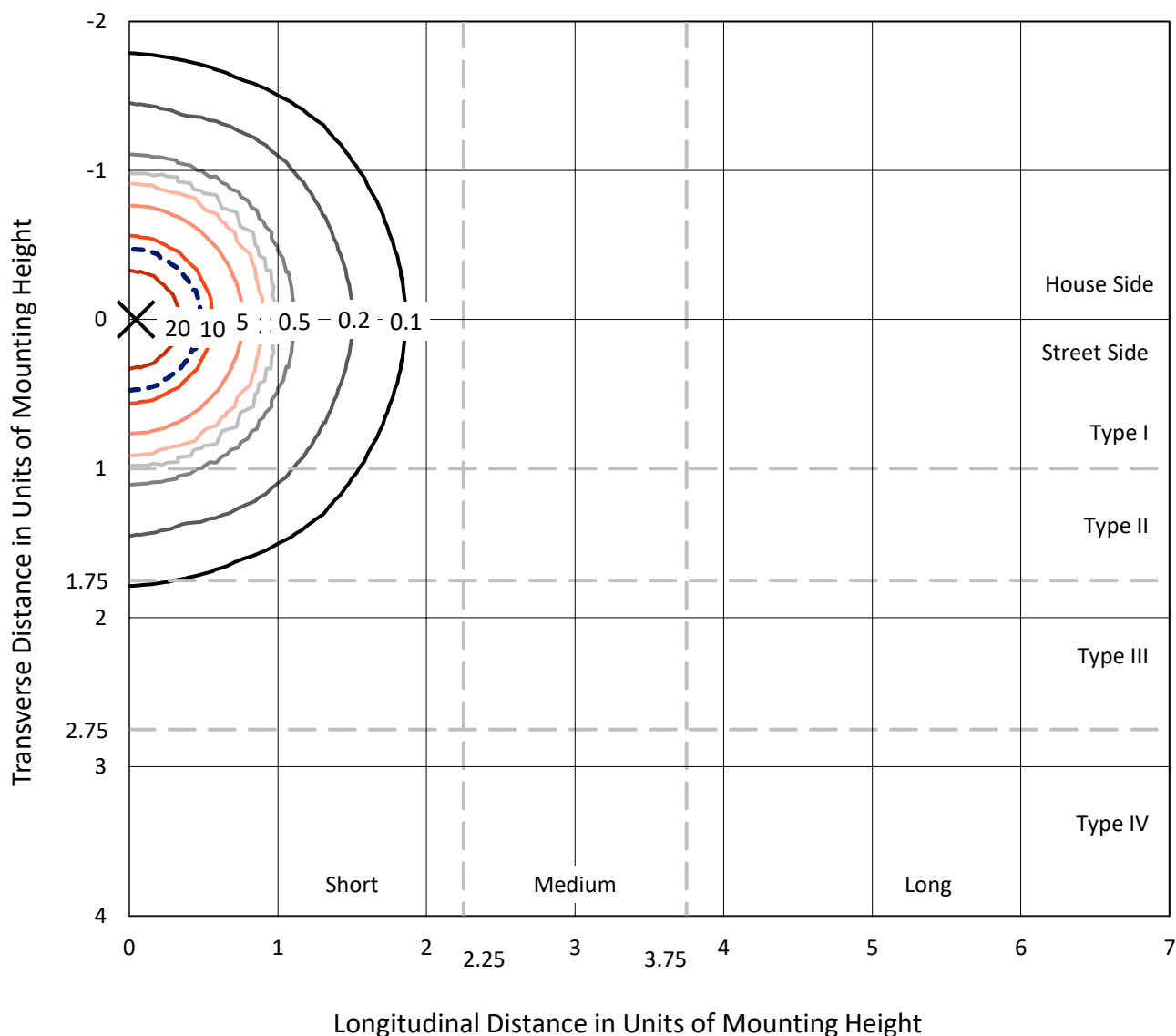
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

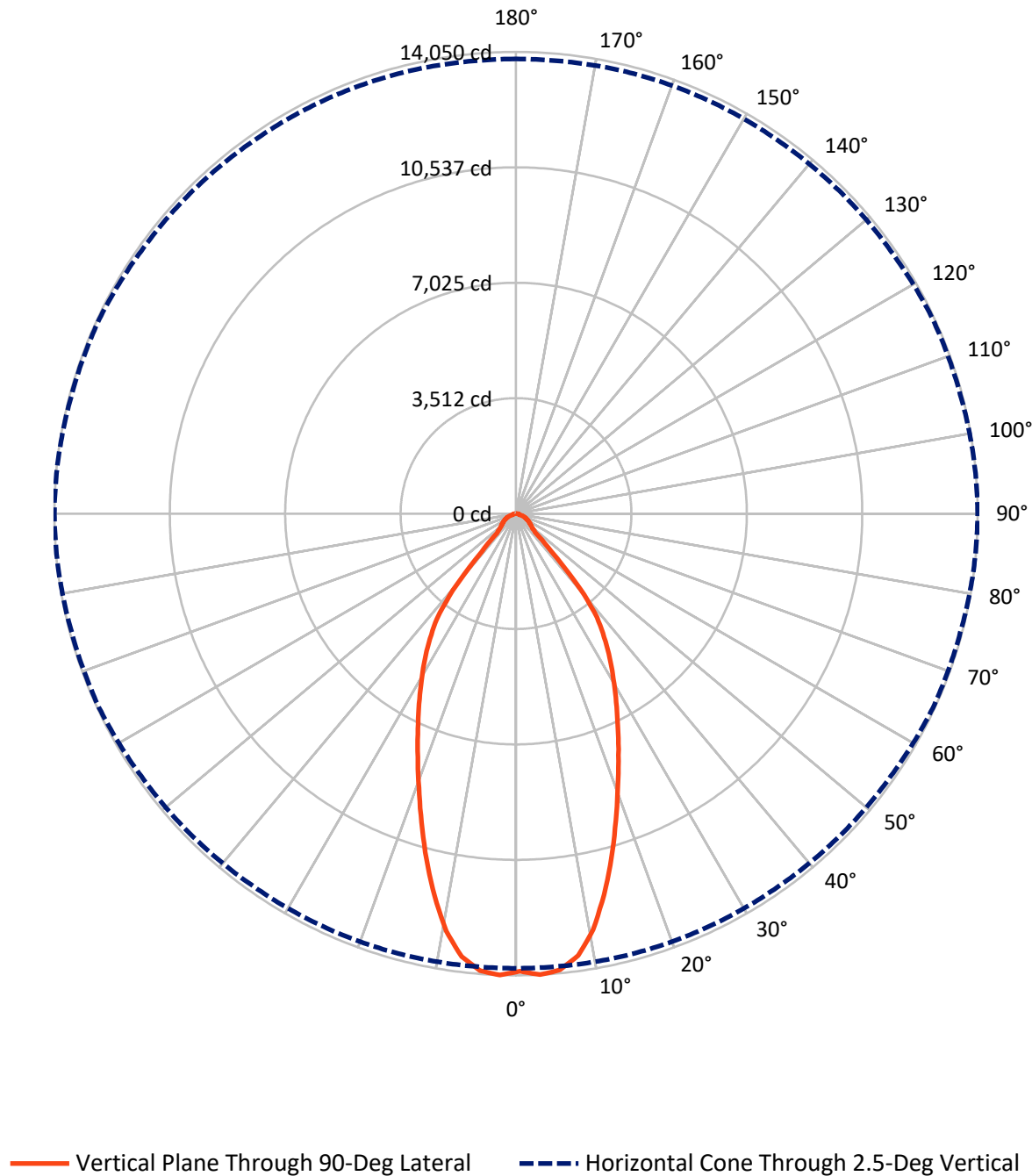


Based on 20 foot mounting height. Maximum calculated value = 34.8 fc

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	6082.1	0.0	6082.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6082.1	0.0	6082.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	12164.2	0.0	12164.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1283.6	10.6
10°-20°	2963.1	24.4
20°-30°	3253.2	26.7
30°-40°	2820.8	23.2
40°-50°	928.2	7.6
50°-60°	416.2	3.4
60°-70°	294.1	2.4
70°-80°	159.7	1.3
80°-90°	45.3	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°	12164.2	100.0
0°-180°	12164.2	100.0

Coefficient of Utilization



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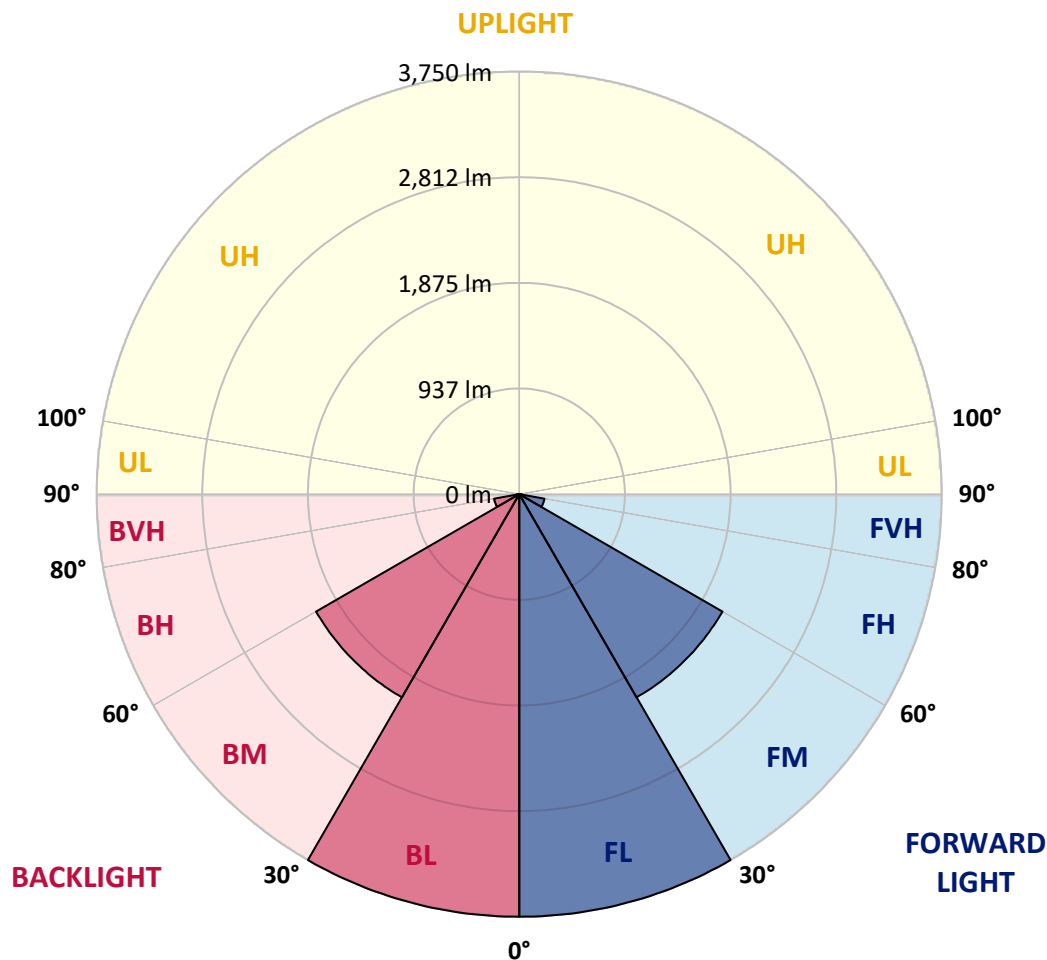
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3750.0	30.8			
FM	(30°-60°)	2082.5	17.1			
FH	(60°-80°)	226.9	1.9			G0/660
FVH	(80°-90°)	22.6	0.2			G1/100
BL	(0°-30°)	3750.0	30.8	B4/5000		
BM	(30°-60°)	2082.5	17.1	B2/2500		
BH	(60°-80°)	226.9	1.9	B1/500		G0/660
BVH	(80°-90°)	22.6	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°	13924.2	13924.2	13924.2	13924.2	13924.2	13924.2	13924.2	13924.2	13924.2	13924.2
2.5°	13837.5	13835.7	13857.8	13868.9	13874.4	13900.2	13926.0	13994.2	13996.0	14036.6
5°	13819.1	13802.5	13817.3	13795.1	13800.7	13800.7	13833.8	13883.6	13902.0	13942.6
7.5°	13408.1	13404.4	13395.2	13371.2	13400.7	13380.5	13441.3	13485.5	13527.9	13548.2
10°	12641.4	12606.4	12606.4	12573.2	12602.7	12575.0	12674.6	12715.1	12787.0	12829.4
12.5°	11649.8	11635.1	11636.9	11622.2	11620.4	11581.6	11697.8	11732.8	11797.3	11859.9
15°	10591.9	10569.8	10590.1	10590.1	10573.5	10538.5	10662.0	10709.9	10803.9	10833.4
17.5°	9546.9	9537.7	9550.6	9556.2	9543.2	9510.1	9629.9	9734.9	9799.4	9799.4
20°	8588.6	8584.9	8601.5	8584.9	8572.0	8549.9	8660.4	8761.8	8818.9	8822.6
22.5°	7746.3	7766.6	7751.8	7731.5	7703.9	7687.3	7788.7	7882.7	7921.4	7960.1
25°	7007.2	7012.8	7023.8	6992.5	6959.3	6939.0	7014.6	7093.9	7154.7	7176.8
27.5°	6399.0	6419.3	6391.7	6343.7	6325.3	6301.3	6354.8	6411.9	6456.2	6487.5
30°	5807.4	5818.5	5824.0	5774.2	5730.0	5695.0	5739.2	5789.0	5805.6	5833.2
32.5°	5239.8	5258.2	5276.6	5215.8	5184.5	5151.3	5173.4	5204.7	5214.0	5215.8
35°	4673.9	4661.0	4644.5	4622.3	4598.4	4557.8	4579.9	4591.0	4598.4	4598.4
37.5°	3990.2	4001.2	4004.9	3962.5	3951.5	3923.8	3938.6	3940.4	3955.2	3964.4
40°	3018.9	3057.6	3031.8	3006.0	3009.7	2976.5	2971.0	2963.6	2996.8	3009.7
42.5°	1642.1	1708.5	1640.3	1662.4	1645.8	1627.4	1621.9	1631.1	1588.7	1553.7
45°	825.7	822.0	836.7	836.7	851.5	857.0	844.1	833.1	827.5	812.8
47.5°	665.3	654.3	652.4	661.7	672.7	680.1	669.0	663.5	661.7	670.9
50°	571.3	554.8	549.2	562.1	571.3	578.7	569.5	569.5	567.7	582.4
52.5°	497.6	481.0	481.0	506.8	514.2	521.6	516.1	516.1	516.1	532.6
55°	440.5	427.6	412.8	446.0	470.0	477.3	473.7	471.8	473.7	492.1
57.5°	396.3	388.9	379.7	387.0	423.9	433.1	431.3	431.3	435.0	449.7
60°	353.9	350.2	346.5	346.5	376.0	392.6	390.7	390.7	394.4	403.6
62.5°	315.2	311.5	307.8	311.5	322.5	348.3	348.3	350.2	355.7	359.4
65°	276.5	274.6	274.6	276.5	280.1	300.4	307.8	313.3	318.8	320.7
67.5°	239.6	237.8	239.6	243.3	243.3	252.5	269.1	274.6	280.1	280.1
70°	193.5	202.7	208.3	210.1	213.8	215.6	230.4	241.4	247.0	239.6
72.5°	105.1	119.8	180.6	186.1	188.0	189.8	200.9	213.8	217.5	141.9
75°	75.6	75.6	151.1	160.3	162.2	162.2	171.4	184.3	188.0	108.7
77.5°	49.8	47.9	105.1	116.1	132.7	106.9	140.1	154.8	158.5	90.3
80°	38.7	36.9	81.1	90.3	92.2	73.7	114.3	125.3	127.2	73.7
82.5°	29.5	27.6	59.0	66.3	71.9	47.9	81.1	95.8	99.5	64.5
85°	16.6	16.6	29.5	27.6	42.4	31.3	46.1	47.9	64.5	40.5
87.5°	5.5	7.4	12.9	12.9	14.7	12.9	18.4	18.4	20.3	14.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13924.2
14049.5
13950.0
13581.3
12875.5
11902.3
10873.9
9823.4
8842.9
7982.2
7191.5
6496.7
5838.7
5237.9
4620.5
4003.1
3026.3
1570.3
825.7
678.2
600.8
551.1
503.1
460.8
411.0
364.9
324.4
280.1
211.9
121.6
106.9
88.5
66.3
66.3
38.7
11.1
0.0