

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: P524338

Luminaire Tested: **IFLD-S-SA2E-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524338
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11889.4 lumens
Efficiency: N/A
Efficacy: 76.1 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): 156.2
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

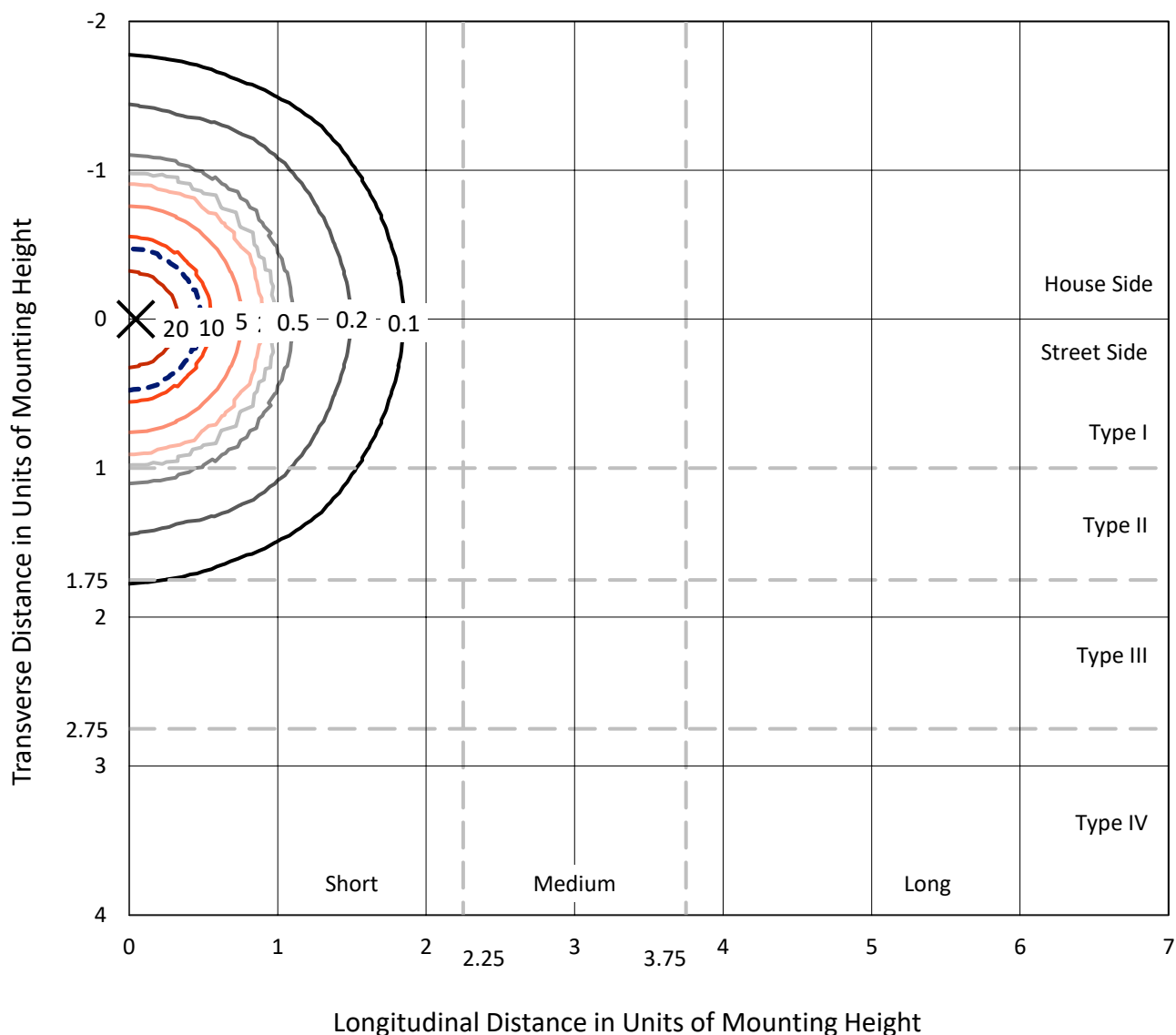
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

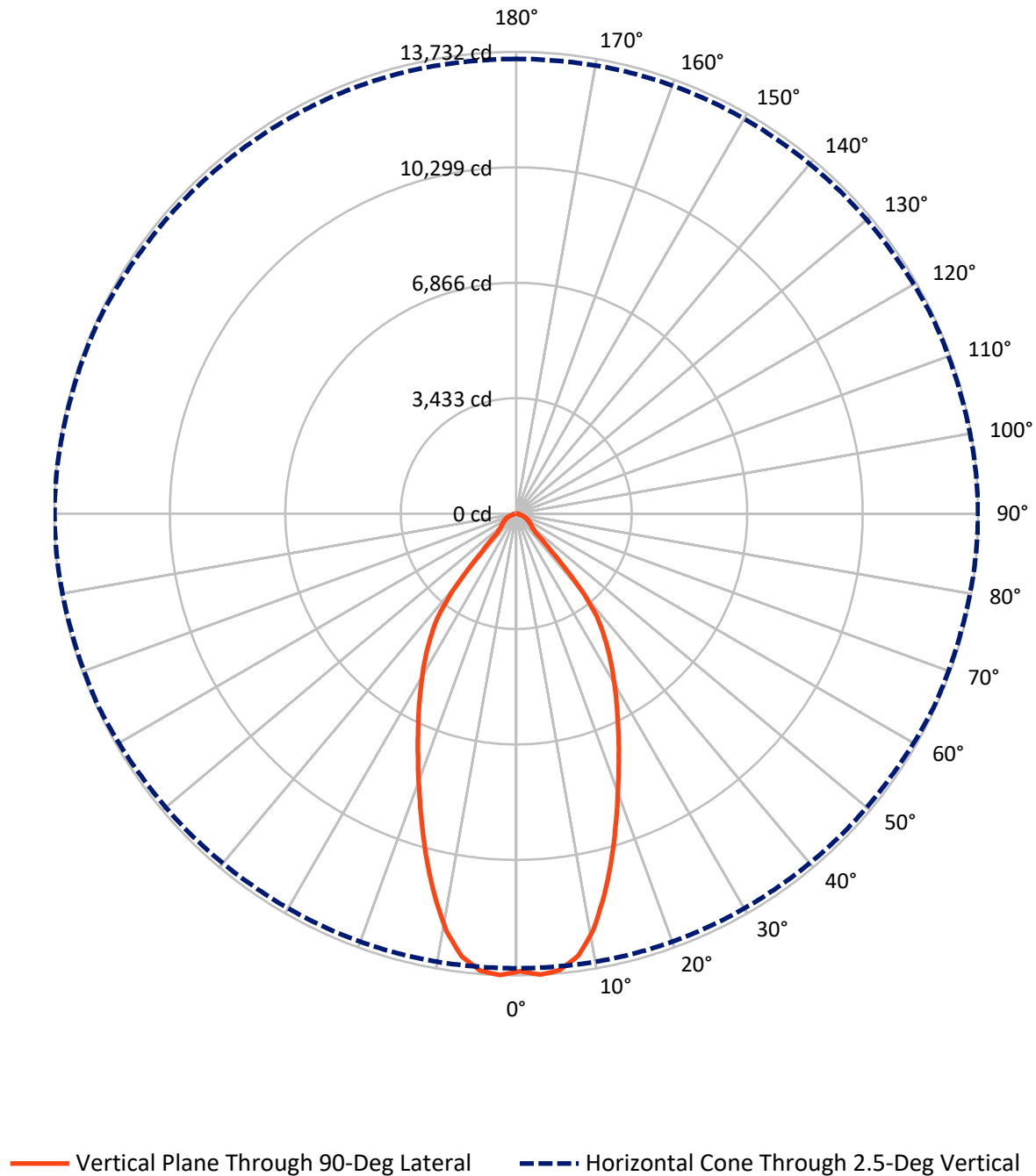


Based on 20 foot mounting height. Maximum calculated value = 34 fc

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	5944.7	0.0	5944.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5944.7	0.0	5944.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11889.4	0.0	11889.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1254.6	10.6
10°-20°	2896.2	24.4
20°-30°	3179.7	26.7
30°-40°	2757.1	23.2
40°-50°	907.2	7.6
50°-60°	406.7	3.4
60°-70°	287.5	2.4
70°-80°	156.1	1.3
80°-90°	44.3	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°	11889.4	100.0
0°-180°	11889.4	100.0

Coefficient of Utilization



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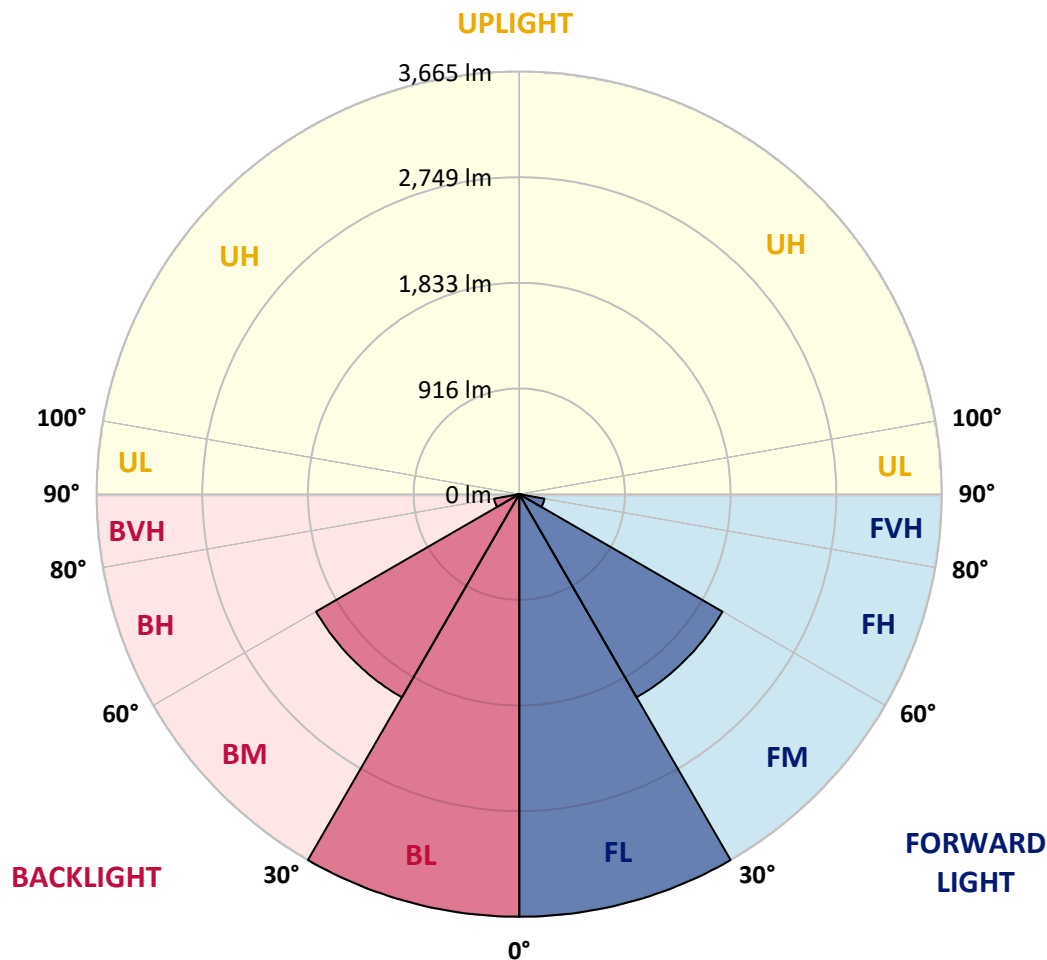
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3665.3	30.8			
FM	(30°-60°)	2035.5	17.1			
FH	(60°-80°)	221.8	1.9			G0/660
FVH	(80°-90°)	22.1	0.2			G1/100
BL	(0°-30°)	3665.3	30.8	B4/5000		
BM	(30°-60°)	2035.5	17.1	B2/2500		
BH	(60°-80°)	221.8	1.9	B1/500		G0/660
BVH	(80°-90°)	22.1	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°	13609.6	13609.6	13609.6	13609.6	13609.6	13609.6	13609.6	13609.6	13609.6	13609.6
2.5°	13525.0	13523.2	13544.8	13555.6	13561.0	13586.2	13611.4	13678.1	13679.9	13719.5
5°	13507.0	13490.7	13505.1	13483.5	13488.9	13488.9	13521.4	13570.0	13588.0	13627.6
7.5°	13105.2	13101.6	13092.6	13069.2	13098.0	13078.2	13137.7	13180.9	13222.3	13242.1
10°	12355.9	12321.6	12321.6	12289.2	12318.0	12291.0	12388.3	12427.9	12498.2	12539.6
12.5°	11386.7	11372.3	11374.1	11359.7	11357.9	11320.0	11433.5	11467.8	11530.8	11592.1
15°	10352.7	10331.1	10350.9	10350.9	10334.7	10300.4	10421.1	10468.0	10559.8	10588.7
17.5°	9331.3	9322.3	9334.9	9340.3	9327.7	9295.3	9412.4	9515.0	9578.1	9578.1
20°	8394.6	8391.0	8407.2	8391.0	8378.3	8356.7	8464.8	8563.9	8619.7	8623.3
22.5°	7571.3	7591.1	7576.7	7556.9	7529.9	7513.7	7612.7	7704.6	7742.4	7780.3
25°	6848.9	6854.4	6865.2	6834.5	6802.1	6782.3	6856.2	6933.6	6993.1	7014.7
27.5°	6254.5	6274.3	6247.3	6200.4	6182.4	6159.0	6211.3	6267.1	6310.3	6341.0
30°	5676.2	5687.0	5692.4	5643.8	5600.6	5566.3	5609.6	5658.2	5674.4	5701.5
32.5°	5121.4	5139.4	5157.4	5098.0	5067.4	5034.9	5056.5	5087.2	5096.2	5098.0
35°	4568.4	4555.8	4539.5	4517.9	4494.5	4454.9	4476.5	4487.3	4494.5	4494.5
37.5°	3900.0	3910.9	3914.5	3873.0	3862.2	3835.2	3849.6	3851.4	3865.8	3874.8
40°	2950.7	2988.5	2963.3	2938.1	2941.7	2909.3	2903.9	2896.7	2929.1	2941.7
42.5°	1605.1	1669.9	1603.3	1624.9	1608.7	1590.6	1585.2	1594.2	1552.8	1518.6
45°	807.0	803.4	817.8	817.8	832.3	837.7	825.0	814.2	808.8	794.4
47.5°	650.3	639.5	637.7	646.7	657.5	664.7	653.9	648.5	646.7	655.7
50°	558.4	542.2	536.8	549.4	558.4	565.6	556.6	556.6	554.8	569.2
52.5°	486.4	470.2	470.2	495.4	502.6	509.8	504.4	504.4	504.4	520.6
55°	430.5	417.9	403.5	435.9	459.4	466.6	463.0	461.2	463.0	481.0
57.5°	387.3	380.1	371.1	378.3	414.3	423.3	421.5	421.5	425.1	439.5
60°	345.9	342.3	338.7	338.7	367.5	383.7	381.9	381.9	385.5	394.5
62.5°	308.0	304.4	300.8	304.4	315.2	340.5	340.5	342.3	347.7	351.3
65°	270.2	268.4	268.4	270.2	273.8	293.6	300.8	306.2	311.6	313.4
67.5°	234.2	232.4	234.2	237.8	237.8	246.8	263.0	268.4	273.8	273.8
70°	189.1	198.2	203.6	205.4	209.0	210.8	225.2	236.0	241.4	234.2
72.5°	102.7	117.1	176.5	181.9	183.7	185.5	196.4	209.0	212.6	138.7
75°	73.9	73.9	147.7	156.7	158.5	158.5	167.5	180.1	183.7	106.3
77.5°	48.6	46.8	102.7	113.5	129.7	104.5	136.9	151.3	154.9	88.3
80°	37.8	36.0	79.3	88.3	90.1	72.1	111.7	122.5	124.3	72.1
82.5°	28.8	27.0	57.6	64.9	70.3	46.8	79.3	93.7	97.3	63.0
85°	16.2	16.2	28.8	27.0	41.4	30.6	45.0	46.8	63.0	39.6
87.5°	5.4	7.2	12.6	12.6	14.4	12.6	18.0	18.0	19.8	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13609.6
13732.1
13634.8
13274.6
12584.6
11633.5
10628.3
9601.5
8643.2
7801.9
7029.1
6350.0
5706.9
5119.6
4516.1
3912.7
2957.9
1534.8
807.0
662.9
587.3
538.6
491.8
450.4
401.7
356.7
317.0
273.8
207.2
118.9
104.5
86.5
64.9
64.9
37.8
10.8
0.0