

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: P635872

Luminaire Tested: **IFLD-S-SA3A-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635872
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6466 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 94.8
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: 25 FT



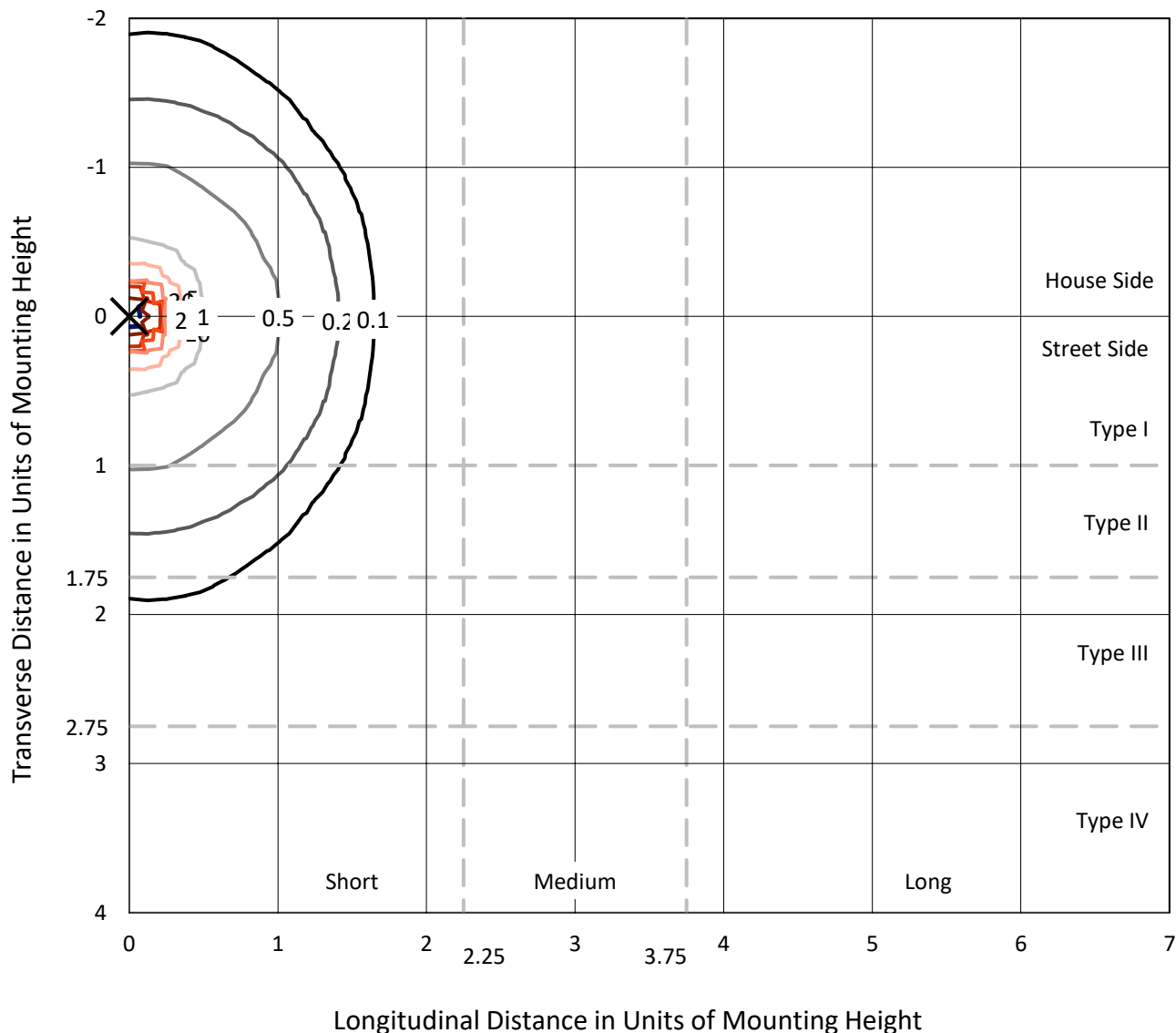
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

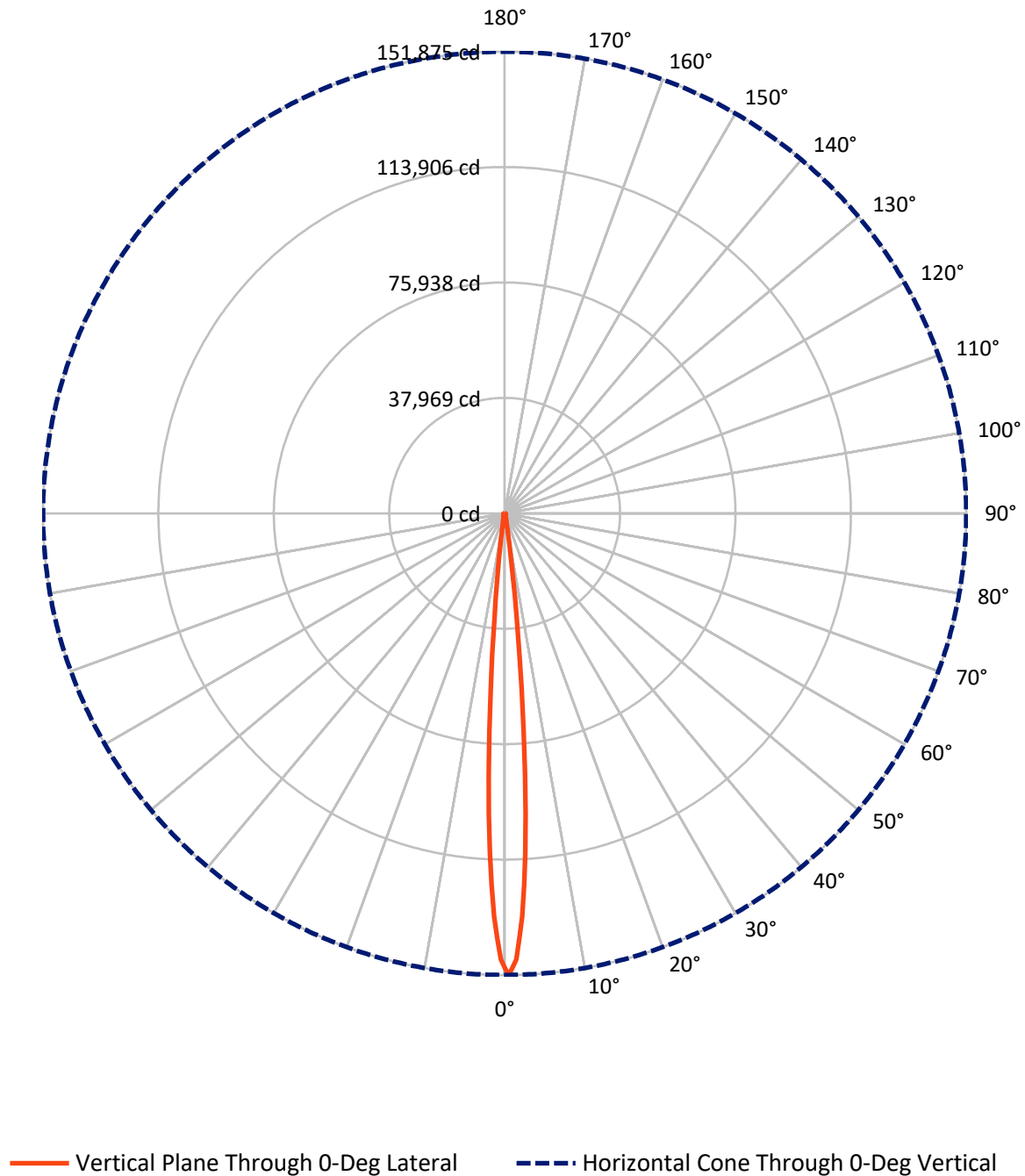


Based on 20 foot mounting height. Maximum calculated value = 379.7 fc

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	3233.0	0.0	3233.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3233.0	0.0	3233.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6466.0	0.0	6466.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4081.2	63.1
10°-20°	504.4	7.8
20°-30°	302.2	4.7
30°-40°	324.9	5.0
40°-50°	436.9	6.8
50°-60°	389.5	6.0
60°-70°	257.3	4.0
70°-80°	127.6	2.0
80°-90°	42.1	0.7
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°	6466.0	100.0
0°-180°	6466.0	100.0



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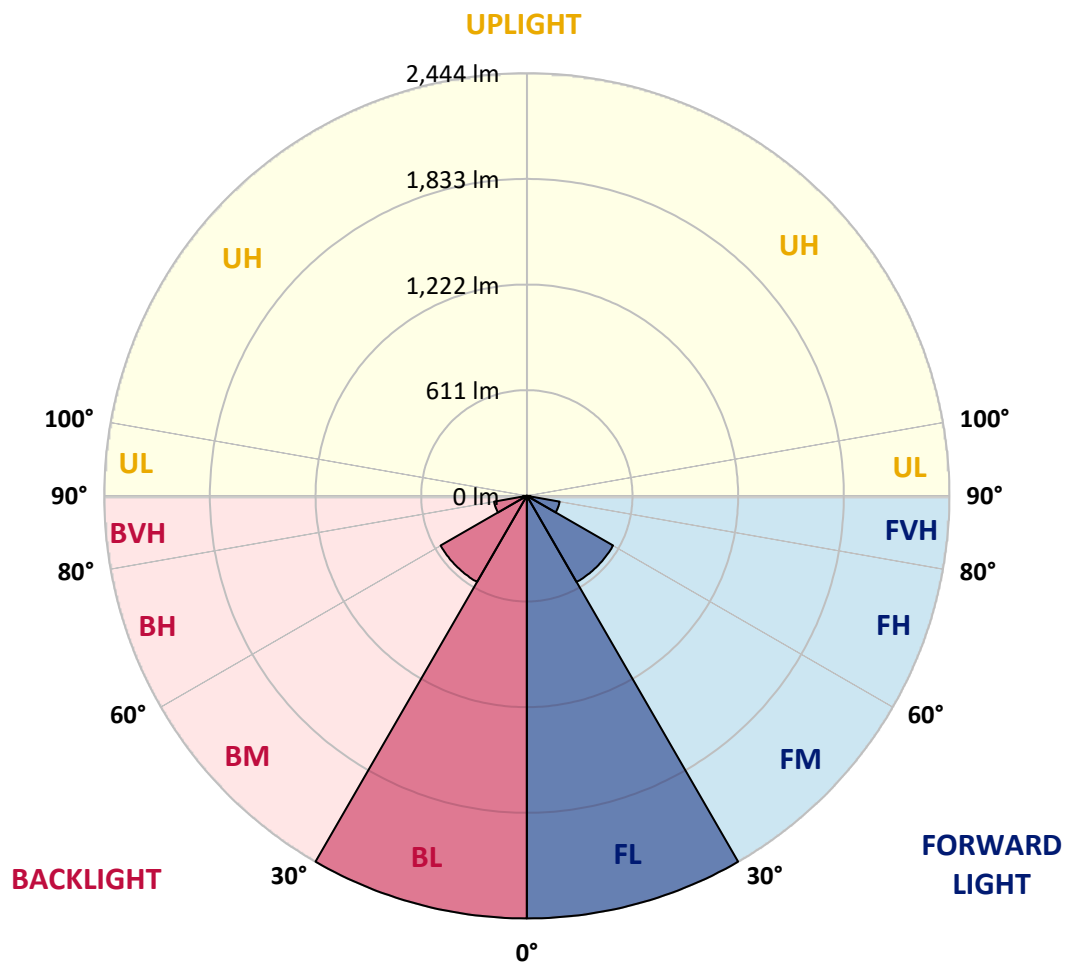
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2443.9	37.8			
FM	(30°-60°)	575.7	8.9			
FH	(60°-80°)	192.4	3.0			G0/660
FVH	(80°-90°)	21.1	0.3			G1/100
BL	(0°-30°)	2443.9	37.8	B3/2500		
BM	(30°-60°)	575.7	8.9	B1/1000		
BH	(60°-80°)	192.4	3.0	B1/500		G0/660
BVH	(80°-90°)	21.1	0.3			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°	151875.3	151875.3	151875.3	151875.3	151875.3	151875.3	151875.3	151875.3	151875.3	151875.3
1°	146784.7	145278.1	146053.0	146793.6	147832.3	148289.8	148756.3	149105.0	149099.0	149674.3
2°	132766.1	130338.5	131463.6	132843.6	135512.6	136278.6	137558.7	139142.8	139239.7	140673.3
3°	111905.9	108497.7	110154.8	112612.2	117036.7	118181.2	120233.3	121681.8	121035.0	122713.0
4°	85873.0	81426.2	83958.1	87595.7	91902.5	96271.9	96358.3	97397.0	95264.5	95161.6
5°	57935.7	54014.9	57263.6	61813.3	65534.4	68587.9	70468.5	70598.2	68292.8	68082.7
6°	35334.9	32740.4	35567.3	40382.3	45537.0	46806.6	47094.3	46441.5	43417.9	41744.3
7°	19529.5	18471.4	21234.3	24107.5	28126.6	29984.9	28698.9	26612.5	25687.1	23694.7
8°	10769.9	10248.3	11036.6	13519.4	16638.4	17858.9	16617.6	14450.8	12890.5	12339.1
9°	6492.9	6203.8	6525.7	7470.5	8817.7	9664.1	8953.3	7886.3	7227.6	7044.3
10°	4312.7	4199.5	4336.6	4655.5	5139.8	5387.2	5209.8	4786.6	4586.9	4575.0
12.5°	2263.7	2242.8	2277.1	2312.8	2396.3	2409.7	2378.4	2348.6	2302.4	2320.3
15°	1457.4	1438.1	1473.8	1520.0	1540.9	1554.3	1555.8	1539.4	1508.1	1493.2
17.5°	1062.5	1067.0	1070.0	1096.8	1137.0	1168.3	1154.9	1137.0	1101.3	1083.4
20°	874.8	876.3	882.2	897.1	910.5	953.7	940.3	913.5	879.2	865.8
22.5°	748.1	751.1	754.1	763.0	766.0	777.9	779.4	755.5	736.2	728.7
25°	658.7	658.7	663.2	670.6	673.6	664.6	666.1	655.7	637.8	628.9
27.5°	558.8	561.8	566.3	569.3	563.3	552.9	539.5	548.4	539.5	518.6
30°	497.7	500.7	514.1	505.2	491.8	478.4	470.9	482.8	484.3	466.4
32.5°	493.3	494.8	499.2	494.8	478.4	462.0	451.5	465.0	467.9	460.5
35°	515.6	511.1	517.1	520.1	503.7	485.8	472.4	484.3	493.3	496.2
37.5°	624.4	599.1	579.7	573.7	563.3	551.4	533.5	536.5	552.9	567.8
40°	594.6	588.6	581.2	561.8	542.4	557.3	536.5	530.5	567.8	570.8
42.5°	590.1	594.6	588.6	564.8	545.4	560.3	555.9	538.0	575.2	570.8
45°	593.1	597.6	611.0	570.8	554.4	561.8	570.8	551.4	588.6	573.7
47.5°	569.3	575.2	590.1	567.8	557.3	555.9	569.3	551.4	570.8	569.3
50°	538.0	543.9	548.4	529.0	548.4	538.0	539.5	532.0	532.0	535.0
52.5°	497.7	503.7	508.2	485.8	497.7	502.2	484.3	482.8	469.4	473.9
55°	448.6	457.5	462.0	453.0	447.1	456.0	430.7	427.7	400.9	402.4
57.5°	391.9	400.9	405.3	415.8	411.3	393.4	378.5	366.6	336.8	324.9
60°	403.9	412.8	403.9	374.0	374.0	333.8	320.4	295.1	265.3	250.4
62.5°	390.4	402.4	400.9	369.6	332.3	281.7	257.8	231.0	201.2	181.8
65°	368.1	380.0	374.0	353.2	317.4	241.4	205.7	178.8	141.6	137.1
67.5°	330.8	348.7	336.8	323.4	295.1	219.1	163.9	134.1	102.8	102.8
70°	274.2	287.6	295.1	280.2	263.8	205.7	140.1	102.8	74.5	56.6
72.5°	220.6	232.5	244.4	236.9	222.0	186.3	125.2	82.0	53.6	32.8
75°	122.2	126.7	131.1	149.0	169.9	152.0	114.7	71.5	44.7	25.3
77.5°	93.9	98.4	108.8	99.8	92.4	117.7	125.2	83.5	38.7	17.9
80°	73.0	79.0	111.8	92.4	79.0	89.4	107.3	73.0	25.3	8.9
82.5°	55.1	59.6	79.0	87.9	83.5	67.1	58.1	49.2	22.4	6.0
85°	40.2	46.2	55.1	49.2	47.7	47.7	64.1	43.2	16.4	4.5
87.5°	23.8	23.8	25.3	23.8	22.4	22.4	25.3	20.9	10.4	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
151875.3
148517.8
139406.6
120918.8
94708.6
67231.7
41890.4
22758.8
11838.4
6795.5
4433.4
2253.2
1469.4
1064.0
850.9
719.8
621.4
520.1
460.5
456.0
496.2
581.2
575.2
567.8
569.3
566.3
524.6
466.4
391.9
317.4
238.4
178.8
137.1
90.9
50.7
31.3
22.4
8.9
6.0
4.5
3.0
3.0
0.0

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