

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: METALUX

Report Number: P566530

Luminaire Tested: **4SNX-51SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-51SL-LC-UNV-L930-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

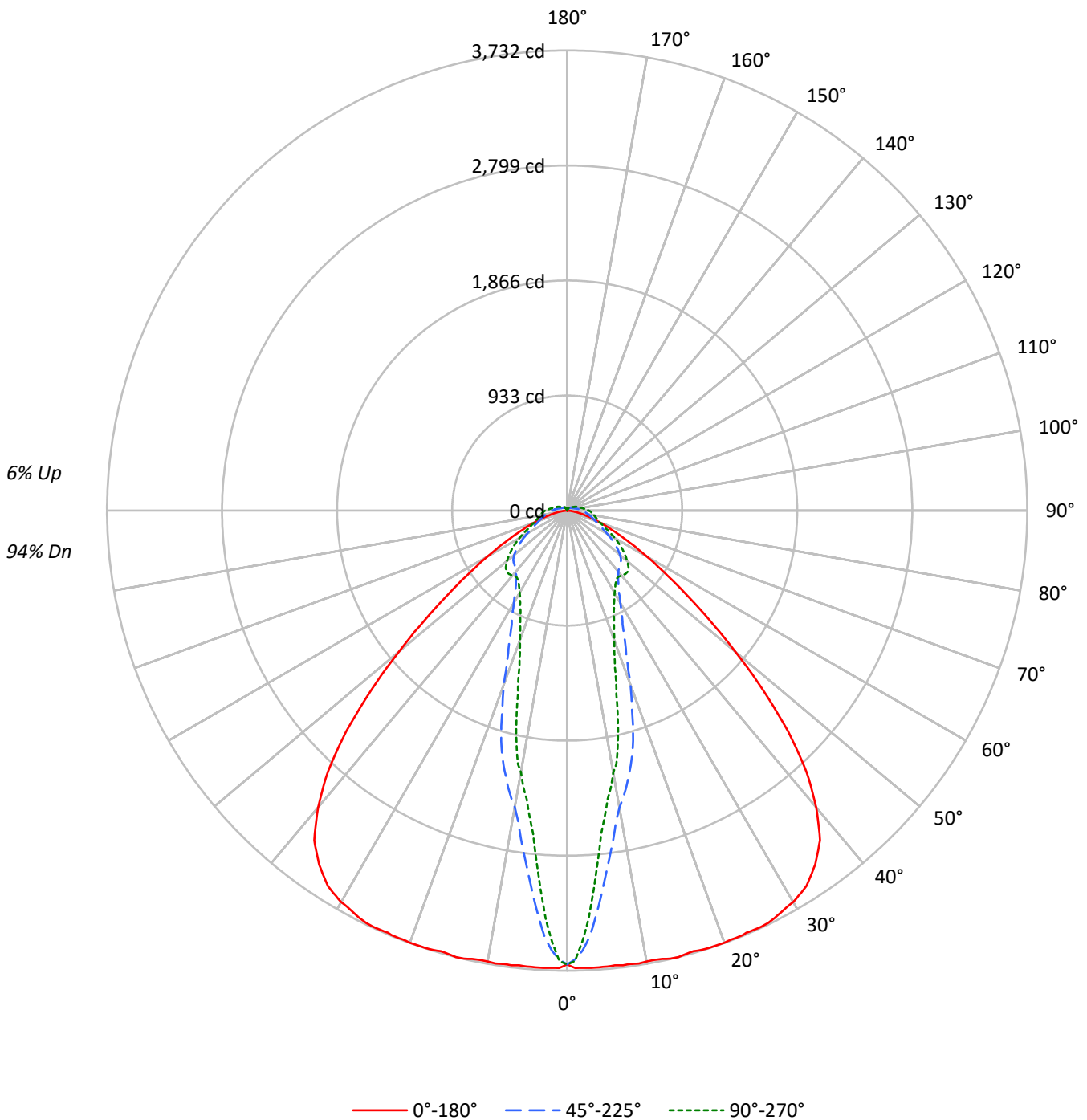
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4537.1 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): NR
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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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39618	39618	39618
5°	39976	32540	29127
10°	40289	24565	21080
15°	41024	20080	14597
20°	42082	14530	10309
25°	43395	10410	8111
30°	44503	8316	6907
35°	44768	7035	6187
40°	42678	6395	6201
45°	37037	6179	6371
50°	28413	5875	5945
55°	20592	5139	5275
60°	14939	4288	4460
65°	10872	3626	3656
70°	8011	3203	3153
75°	5690	2966	2939
80°	3730	2778	2894
85°	1748	2648	2898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.5	6.4
10°-20°	628.6	13.9
20°-30°	719.5	15.9
30°-40°	720.8	15.9
40°-50°	682.3	15.0
50°-60°	523.3	11.5
60°-70°	337.3	7.4
70°-80°	215.1	4.7
80°-90°	142.8	3.1
90°-100°	96.0	2.1
100°-110°	63.3	1.4
110°-120°	44.0	1.0
120°-130°	30.7	0.7
130°-140°	21.3	0.5
140°-150°	13.0	0.3
150°-160°	6.6	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1637.5	36.1
0°-40°	2358.3	52.0
0°-60°	3563.8	78.5
0°-90°	4259.0	93.9
90°-120°	203.3	4.5
90°-150°	268.4	5.9
90°-180°	278.0	6.1
0°-180°	4537.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3681	3681	3681	3681	3681	
5°	3713	3509	3144	2932	2853	355
15°	3722	2681	2044	1679	1544	1056
25°	3725	1897	1081	939	895	1717
35°	3506	1056	723	700	691	2175
45°	2534	667	609	674	698	1927
55°	1163	477	470	528	549	1069
65°	465	300	295	337	349	478
75°	158	163	205	235	246	174
85°	21	74	144	188	202	29
90°	0	51	121	167	174	1
95°	0	37	100	137	144	0
105°	0	28	65	93	100	2
115°	2	23	49	67	72	2
125°	2	21	42	49	51	2
135°	2	16	33	40	42	2
145°	2	12	23	30	33	1
155°	2	7	14	21	23	1
165°	5	5	9	12	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3680.6	3680.6	3680.6	3680.6	3680.6
1°	3710.9	3689.9	3641.1	3655.1	3652.7
2°	3710.9	3666.7	3571.4	3543.5	3501.6
3°	3713.2	3627.2	3464.4	3373.7	3315.6
4°	3713.2	3569.0	3306.3	3155.2	3080.8
5°	3713.2	3508.6	3143.5	2932.0	2852.9
6°	3708.5	3436.5	2978.5	2755.2	2636.7
7°	3715.5	3357.4	2829.6	2590.2	2497.2
8°	3713.2	3264.4	2692.5	2464.6	2362.3
9°	3720.2	3173.8	2543.7	2346.0	2269.3
10°	3713.2	3090.1	2446.0	2234.4	2155.4
11°	3713.2	3008.7	2376.3	2162.3	2094.9
12°	3717.8	2915.7	2299.5	2060.0	1967.0
13°	3729.5	2820.3	2211.2	1948.4	1839.2
14°	3731.8	2748.3	2129.8	1806.6	1692.7
15°	3722.5	2680.8	2043.8	1678.7	1543.9
16°	3717.8	2611.1	1941.5	1557.8	1436.9
17°	3727.1	2529.7	1825.2	1434.6	1323.0
18°	3729.5	2455.3	1702.0	1341.6	1243.9
19°	3729.5	2397.2	1602.0	1255.6	1171.9
20°	3729.5	2341.4	1499.7	1190.5	1118.4
21°	3724.8	2271.6	1383.4	1123.0	1062.6
22.5°	3727.1	2141.4	1250.9	1044.0	995.1
23°	3720.2	2108.9	1218.4	1023.0	971.9
24°	3722.5	2015.9	1148.6	981.2	932.4
25°	3724.8	1897.3	1081.2	939.3	895.2
26°	3720.2	1802.0	1025.4	899.8	869.6
27°	3708.5	1725.2	985.8	867.3	839.4
28°	3692.3	1622.9	944.0	839.4	813.8
29°	3676.0	1506.7	902.1	809.1	790.5
30°	3666.7	1413.7	862.6	785.9	769.6
32.5°	3610.9	1230.0	781.2	739.4	725.4
35°	3506.3	1055.6	723.1	699.9	690.6
37.5°	3369.1	920.7	678.9	674.3	676.6
40°	3143.5	813.8	646.4	667.3	688.2
42.5°	2873.8	730.1	623.1	674.3	697.5
45°	2534.4	667.3	609.2	674.3	697.5
47.5°	2157.7	616.2	592.9	651.0	674.3
50°	1781.0	569.6	560.3	616.2	637.1
52.5°	1448.5	525.5	518.5	572.0	592.9
55°	1162.6	476.6	469.7	527.8	548.7
57.5°	932.4	430.1	423.2	476.6	497.6
60°	744.0	383.6	372.0	425.5	446.4
62.5°	592.9	339.5	332.5	379.0	397.6
65°	465.0	299.9	295.3	337.1	348.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	367.4	262.7	265.1	299.9	313.9
70°	283.7	227.9	241.8	274.4	283.7
72.5°	213.9	193.0	223.2	251.1	262.7
75°	158.1	162.8	204.6	234.8	246.5
77.5°	109.3	134.9	188.3	220.9	232.5
80°	74.4	109.3	172.1	209.3	223.2
82.5°	44.2	90.7	158.1	197.6	213.9
85°	20.9	74.4	144.2	188.3	202.3
87.5°	7.0	60.5	130.2	179.0	190.7
90°	0.0	51.2	120.9	167.4	174.4
92.5°	0.0	44.2	109.3	153.5	158.1
95°	0.0	37.2	100.0	137.2	144.2
97.5°	0.0	34.9	93.0	123.2	132.5
100°	0.0	32.6	83.7	111.6	120.9
102.5°	0.0	27.9	74.4	100.0	109.3
105°	0.0	27.9	65.1	93.0	100.0
107.5°	2.3	25.6	60.5	83.7	93.0
110°	2.3	25.6	53.5	79.1	86.0
112.5°	2.3	25.6	51.2	72.1	81.4
115°	2.3	23.3	48.8	67.4	72.1
117.5°	2.3	23.3	46.5	60.5	65.1
120°	2.3	20.9	44.2	55.8	58.1
122.5°	2.3	20.9	41.9	51.2	53.5
125°	2.3	20.9	41.9	48.8	51.2
127.5°	2.3	18.6	39.5	46.5	46.5
130°	2.3	18.6	37.2	44.2	44.2
132.5°	2.3	16.3	34.9	41.9	44.2
135°	2.3	16.3	32.6	39.5	41.9
137.5°	2.3	14.0	30.2	37.2	39.5
140°	2.3	14.0	27.9	34.9	37.2
142.5°	2.3	11.6	25.6	32.6	34.9
145°	2.3	11.6	23.3	30.2	32.6
147.5°	2.3	11.6	20.9	27.9	30.2
150°	2.3	9.3	18.6	25.6	27.9
152.5°	2.3	9.3	16.3	23.3	25.6
155°	2.3	7.0	14.0	20.9	23.3
157.5°	2.3	7.0	14.0	18.6	20.9
160°	4.7	7.0	11.6	16.3	18.6
162.5°	2.3	4.7	11.6	14.0	16.3
165°	4.7	4.7	9.3	11.6	14.0
167.5°	4.7	4.7	7.0	9.3	11.6
170°	4.7	4.7	7.0	7.0	9.3
172.5°	4.7	4.7	4.7	7.0	4.7
175°	4.7	4.7	4.7	4.7	2.3
177.5°	4.7	4.7	4.7	4.7	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)