

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: P566338

Luminaire Tested: **4SNX-37SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566338
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-37SL-LC-UNV-L930-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

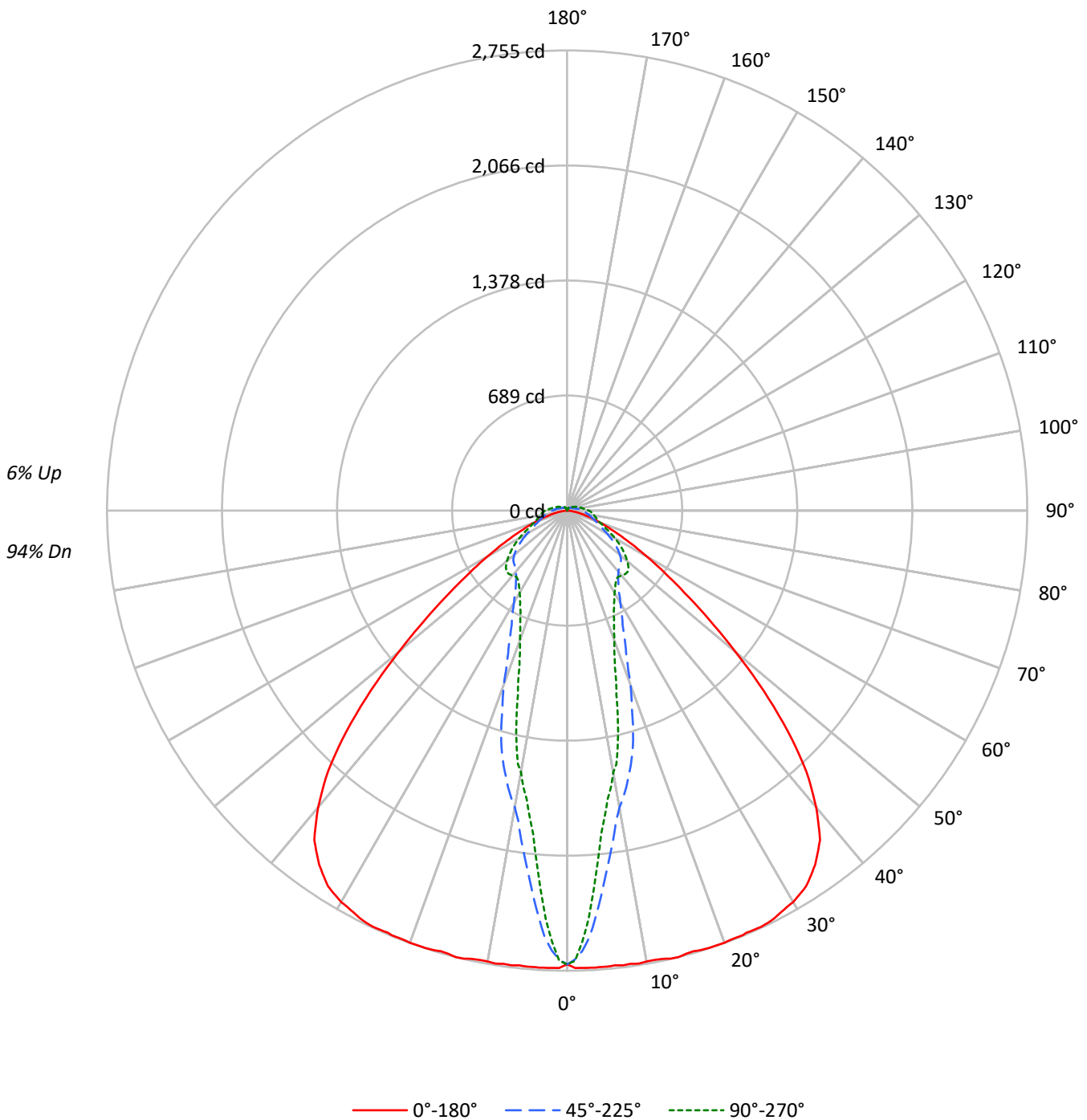
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3349.0 lumens
Efficiency: N/A
Efficacy: 139.5 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): 24
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

TEST NUMBER: P566338
CATALOG NUMBER: 4SNX-37SL-LC-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566338

CATALOG NUMBER: 4SNX-37SL-LC-UNV-L930-CD

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°	29244	29244	29244
5°	29508	24019	21500
10°	29739	18133	15560
15°	30282	14822	10775
20°	31063	10725	7609
25°	32033	7684	5987
30°	32850	6138	5099
35°	33046	5193	4566
40°	31503	4720	4577
45°	27338	4561	4703
50°	20974	4337	4389
55°	15199	3793	3893
60°	11027	3165	3292
65°	8026	2677	2698
70°	5913	2364	2327
75°	4200	2189	2169
80°	2753	2050	2137
85°	1288	1954	2139



TEST NUMBER: P566338

CATALOG NUMBER: 4SNX-37SL-LC-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	6.4
10°-20°	464.0	13.9
20°-30°	531.1	15.9
30°-40°	532.0	15.9
40°-50°	503.6	15.0
50°-60°	386.2	11.5
60°-70°	249.0	7.4
70°-80°	158.8	4.7
80°-90°	105.4	3.1
90°-100°	70.9	2.1
100°-110°	46.7	1.4
110°-120°	32.5	1.0
120°-130°	22.6	0.7
130°-140°	15.7	0.5
140°-150°	9.6	0.3
150°-160°	4.9	0.1
160°-170°	1.9	0.1
170°-180°	0.4	0.0
0°-30°	1208.7	36.1
0°-40°	1740.8	52.0
0°-60°	2630.6	78.6
0°-90°	3143.8	93.9
90°-120°	150.1	4.5
90°-150°	198.1	5.9
90°-180°	205.0	6.1
0°-180°	3349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2717	2717	2717	2717	2717	
5°	2741	2590	2320	2164	2106	262
15°	2748	1979	1509	1239	1140	779
25°	2750	1400	798	693	661	1268
35°	2588	779	534	517	510	1606
45°	1871	493	450	498	515	1422
55°	858	352	347	390	405	789
65°	343	221	218	249	257	353
75°	117	120	151	173	182	128
85°	15	55	106	139	149	21
90°	0	38	89	124	129	1
95°	0	28	74	101	106	0
105°	0	21	48	69	74	1
115°	2	17	36	50	53	2
125°	2	15	31	36	38	2
135°	2	12	24	29	31	1
145°	2	9	17	22	24	1
155°	2	5	10	15	17	1
165°	3	3	7	9	10	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



TEST NUMBER: P566338

CATALOG NUMBER: 4SNX-37SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2716.9	2716.9	2716.9	2716.9	2716.9
1°	2739.2	2723.7	2687.7	2698.0	2696.3
2°	2739.2	2706.6	2636.2	2615.6	2584.7
3°	2740.9	2677.4	2557.3	2490.3	2447.4
4°	2740.9	2634.5	2440.6	2329.0	2274.1
5°	2740.9	2589.9	2320.4	2164.2	2105.9
6°	2737.5	2536.7	2198.6	2033.8	1946.3
7°	2742.6	2478.3	2088.7	1911.9	1843.3
8°	2740.9	2409.7	1987.5	1819.3	1743.7
9°	2746.0	2342.7	1877.6	1731.7	1675.1
10°	2740.9	2280.9	1805.5	1649.3	1591.0
11°	2740.9	2220.9	1754.0	1596.1	1546.4
12°	2744.3	2152.2	1697.4	1520.6	1452.0
13°	2752.9	2081.8	1632.2	1438.2	1357.6
14°	2754.6	2028.6	1572.1	1333.5	1249.5
15°	2747.8	1978.9	1508.6	1239.2	1139.6
16°	2744.3	1927.4	1433.1	1149.9	1060.7
17°	2751.2	1867.3	1347.3	1058.9	976.6
18°	2752.9	1812.4	1256.3	990.3	918.2
19°	2752.9	1769.5	1182.5	926.8	865.0
20°	2752.9	1728.3	1107.0	878.7	825.5
21°	2749.5	1676.8	1021.2	829.0	784.3
22.5°	2751.2	1580.7	923.4	770.6	734.6
23°	2746.0	1556.7	899.3	755.2	717.4
24°	2747.8	1488.0	847.8	724.3	688.2
25°	2749.5	1400.5	798.1	693.4	660.8
26°	2746.0	1330.1	756.9	664.2	641.9
27°	2737.5	1273.5	727.7	640.2	619.6
28°	2725.5	1198.0	696.8	619.6	600.7
29°	2713.4	1112.1	665.9	597.3	583.5
30°	2706.6	1043.5	636.7	580.1	568.1
32.5°	2665.4	907.9	576.7	545.8	535.5
35°	2588.2	779.2	533.8	516.6	509.7
37.5°	2486.9	679.6	501.2	497.7	499.4
40°	2320.4	600.7	477.1	492.6	508.0
42.5°	2121.3	538.9	460.0	497.7	514.9
45°	1870.7	492.6	449.7	497.7	514.9
47.5°	1592.7	454.8	437.7	480.6	497.7
50°	1314.7	420.5	413.6	454.8	470.3
52.5°	1069.2	387.9	382.7	422.2	437.7
55°	858.1	351.8	346.7	389.6	405.0
57.5°	688.2	317.5	312.4	351.8	367.3
60°	549.2	283.2	274.6	314.1	329.5
62.5°	437.7	250.6	245.4	279.8	293.5
65°	343.3	221.4	218.0	248.9	257.4



TEST NUMBER: P566338

CATALOG NUMBER: 4SNX-37SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	271.2	193.9	195.7	221.4	231.7
70°	209.4	168.2	178.5	202.5	209.4
72.5°	157.9	142.5	164.8	185.4	193.9
75°	116.7	120.1	151.0	173.3	181.9
77.5°	80.7	99.5	139.0	163.0	171.6
80°	54.9	80.7	127.0	154.5	164.8
82.5°	32.6	66.9	116.7	145.9	157.9
85°	15.4	54.9	106.4	139.0	149.3
87.5°	5.1	44.6	96.1	132.2	140.7
90°	0.0	37.8	89.2	123.6	128.7
92.5°	0.0	32.6	80.7	113.3	116.7
95°	0.0	27.5	73.8	101.3	106.4
97.5°	0.0	25.7	68.7	91.0	97.8
100°	0.0	24.0	61.8	82.4	89.2
102.5°	0.0	20.6	54.9	73.8	80.7
105°	0.0	20.6	48.1	68.7	73.8
107.5°	1.7	18.9	44.6	61.8	68.7
110°	1.7	18.9	39.5	58.4	63.5
112.5°	1.7	18.9	37.8	53.2	60.1
115°	1.7	17.2	36.0	49.8	53.2
117.5°	1.7	17.2	34.3	44.6	48.1
120°	1.7	15.4	32.6	41.2	42.9
122.5°	1.7	15.4	30.9	37.8	39.5
125°	1.7	15.4	30.9	36.0	37.8
127.5°	1.7	13.7	29.2	34.3	34.3
130°	1.7	13.7	27.5	32.6	32.6
132.5°	1.7	12.0	25.7	30.9	32.6
135°	1.7	12.0	24.0	29.2	30.9
137.5°	1.7	10.3	22.3	27.5	29.2
140°	1.7	10.3	20.6	25.7	27.5
142.5°	1.7	8.6	18.9	24.0	25.7
145°	1.7	8.6	17.2	22.3	24.0
147.5°	1.7	8.6	15.4	20.6	22.3
150°	1.7	6.9	13.7	18.9	20.6
152.5°	1.7	6.9	12.0	17.2	18.9
155°	1.7	5.1	10.3	15.4	17.2
157.5°	1.7	5.1	10.3	13.7	15.4
160°	3.4	5.1	8.6	12.0	13.7
162.5°	1.7	3.4	8.6	10.3	12.0
165°	3.4	3.4	6.9	8.6	10.3
167.5°	3.4	3.4	5.1	6.9	8.6
170°	3.4	3.4	5.1	5.1	6.9
172.5°	3.4	3.4	3.4	5.1	3.4
175°	3.4	3.4	3.4	3.4	1.7
177.5°	3.4	3.4	3.4	3.4	1.7



TEST NUMBER: P566338

CATALOG NUMBER: 4SNX-37SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)