

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: P566340

Luminaire Tested: **4SNX-37SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566340  
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-L940-CD  
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

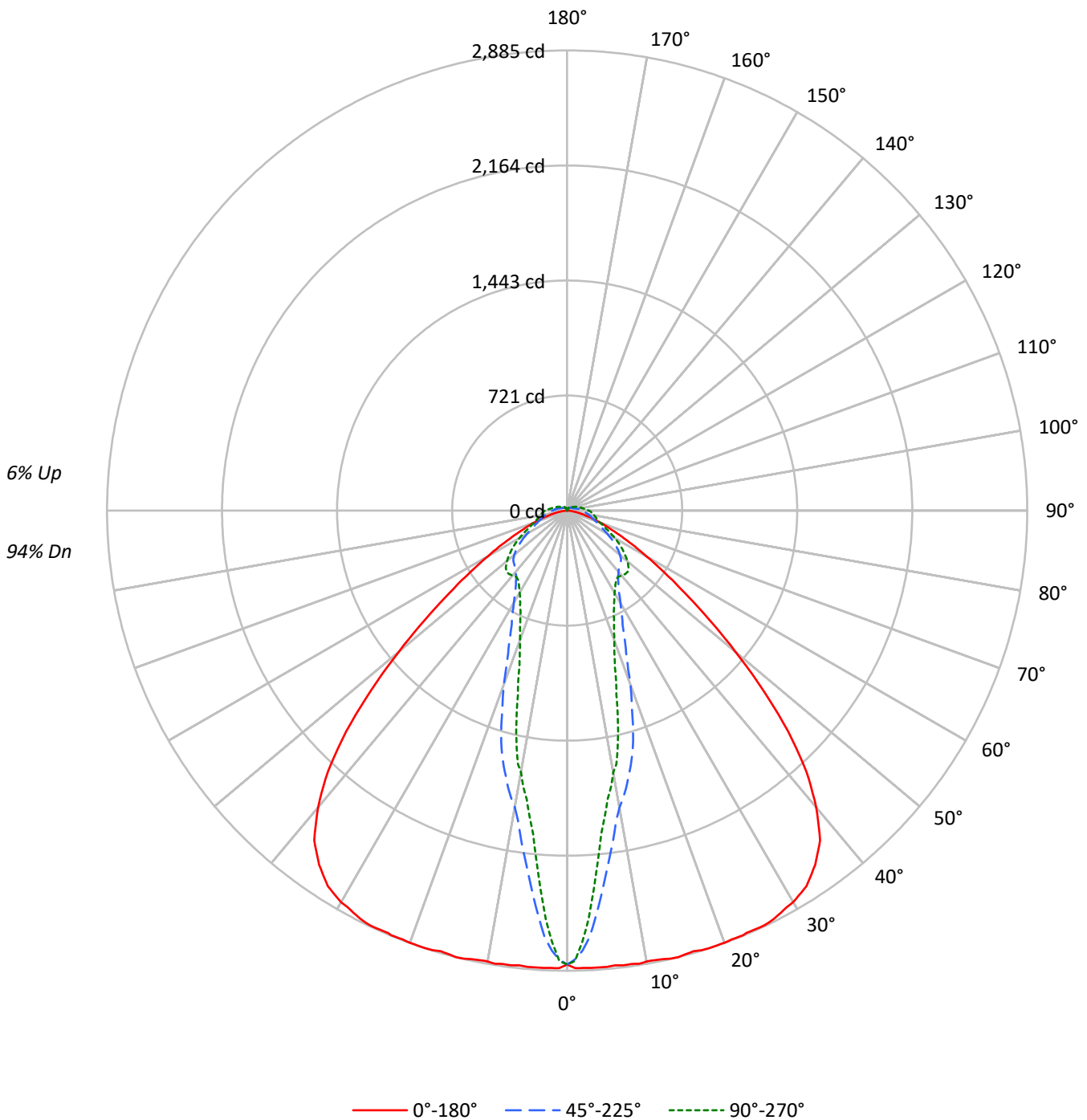
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3508.1 lumens  
Efficiency: N/A  
Efficacy: 146.2 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

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

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	30633	30633	30633
5°	30909	25160	22521
10°	31151	18993	16299
15°	31719	15525	11286
20°	32537	11235	7971
25°	33553	8049	6270
30°	34410	6431	5341
35°	34614	5439	4783
40°	32999	4945	4795
45°	28637	4777	4926
50°	21970	4544	4597
55°	15922	3972	4079
60°	11551	3315	3449
65°	8408	2803	2827
70°	6193	2477	2437
75°	4398	2293	2273
80°	2883	2147	2238
85°	1355	2048	2241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.8	6.4
10°-20°	486.0	13.9
20°-30°	556.3	15.9
30°-40°	557.3	15.9
40°-50°	527.6	15.0
50°-60°	404.6	11.5
60°-70°	260.8	7.4
70°-80°	166.3	4.7
80°-90°	110.4	3.1
90°-100°	74.2	2.1
100°-110°	48.9	1.4
110°-120°	34.0	1.0
120°-130°	23.8	0.7
130°-140°	16.5	0.5
140°-150°	10.1	0.3
150°-160°	5.1	0.1
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1266.1	36.1
0°-40°	1823.4	52.0
0°-60°	2755.5	78.5
0°-90°	3293.0	93.9
90°-120°	157.2	4.5
90°-150°	207.5	5.9
90°-180°	215.0	6.1
0°-180°	3508.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2846	2846	2846	2846	2846	
5°	2871	2713	2431	2267	2206	274
15°	2878	2073	1580	1298	1194	816
25°	2880	1467	836	726	692	1328
35°	2711	816	559	541	534	1682
45°	1960	516	471	521	539	1490
55°	899	368	363	408	424	827
65°	360	232	228	261	270	370
75°	122	126	158	182	191	134
85°	16	58	112	146	156	22
90°	0	40	94	129	135	1
95°	0	29	77	106	112	0
105°	0	22	50	72	77	1
115°	2	18	38	52	56	2
125°	2	16	32	38	40	2
135°	2	13	25	31	32	1
145°	2	9	18	23	25	1
155°	2	5	11	16	18	1
165°	4	4	7	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2845.9	2845.9	2845.9	2845.9	2845.9
1°	2869.2	2853.1	2815.3	2826.1	2824.3
2°	2869.2	2835.1	2761.4	2739.8	2707.4
3°	2871.0	2804.5	2678.7	2608.6	2563.6
4°	2871.0	2759.6	2556.4	2439.6	2382.0
5°	2871.0	2712.8	2430.6	2267.0	2205.9
6°	2867.4	2657.1	2302.9	2130.3	2038.7
7°	2872.8	2596.0	2187.9	2002.7	1930.8
8°	2871.0	2524.1	2081.8	1905.6	1826.5
9°	2876.4	2453.9	1966.8	1813.9	1754.6
10°	2871.0	2389.2	1891.2	1727.7	1666.5
11°	2871.0	2326.3	1837.3	1671.9	1619.8
12°	2874.6	2254.4	1778.0	1592.8	1520.9
13°	2883.6	2180.7	1709.7	1506.5	1422.0
14°	2885.4	2125.0	1646.8	1396.9	1308.8
15°	2878.2	2072.8	1580.2	1298.0	1193.7
16°	2874.6	2018.9	1501.1	1204.5	1111.0
17°	2881.8	1956.0	1411.2	1109.2	1022.9
18°	2883.6	1898.4	1316.0	1037.3	961.8
19°	2883.6	1853.5	1238.7	970.8	906.1
20°	2883.6	1810.3	1159.6	920.5	864.7
21°	2880.0	1756.4	1069.7	868.3	821.6
22.5°	2881.8	1655.7	967.2	807.2	769.4
23°	2876.4	1630.6	942.0	791.0	751.5
24°	2878.2	1558.7	888.1	758.7	720.9
25°	2880.0	1467.0	836.0	726.3	692.1
26°	2876.4	1393.3	792.8	695.7	672.4
27°	2867.4	1333.9	762.3	670.6	649.0
28°	2854.8	1254.8	729.9	649.0	629.2
29°	2842.3	1165.0	697.5	625.6	611.2
30°	2835.1	1093.0	667.0	607.6	595.1
32.5°	2791.9	951.0	604.0	571.7	560.9
35°	2711.0	816.2	559.1	541.1	533.9
37.5°	2605.0	711.9	524.9	521.4	523.1
40°	2430.6	629.2	499.8	516.0	532.1
42.5°	2222.0	564.5	481.8	521.4	539.3
45°	1959.6	516.0	471.0	521.4	539.3
47.5°	1668.3	476.4	458.4	503.4	521.4
50°	1377.1	440.5	433.3	476.4	492.6
52.5°	1120.0	406.3	400.9	442.2	458.4
55°	898.9	368.5	363.1	408.1	424.3
57.5°	720.9	332.6	327.2	368.5	384.7
60°	575.3	296.6	287.6	329.0	345.2
62.5°	458.4	262.5	257.1	293.0	307.4
65°	359.6	231.9	228.3	260.7	269.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	284.0	203.1	204.9	231.9	242.7
70°	219.3	176.2	187.0	212.1	219.3
72.5°	165.4	149.2	172.6	194.2	203.1
75°	122.2	125.8	158.2	181.6	190.6
77.5°	84.5	104.3	145.6	170.8	179.8
80°	57.5	84.5	133.0	161.8	172.6
82.5°	34.2	70.1	122.2	152.8	165.4
85°	16.2	57.5	111.5	145.6	156.4
87.5°	5.4	46.7	100.7	138.4	147.4
90°	0.0	39.6	93.5	129.4	134.8
92.5°	0.0	34.2	84.5	118.7	122.2
95°	0.0	28.8	77.3	106.1	111.5
97.5°	0.0	27.0	71.9	95.3	102.5
100°	0.0	25.2	64.7	86.3	93.5
102.5°	0.0	21.6	57.5	77.3	84.5
105°	0.0	21.6	50.3	71.9	77.3
107.5°	1.8	19.8	46.7	64.7	71.9
110°	1.8	19.8	41.3	61.1	66.5
112.5°	1.8	19.8	39.6	55.7	62.9
115°	1.8	18.0	37.8	52.1	55.7
117.5°	1.8	18.0	36.0	46.7	50.3
120°	1.8	16.2	34.2	43.1	44.9
122.5°	1.8	16.2	32.4	39.6	41.3
125°	1.8	16.2	32.4	37.8	39.6
127.5°	1.8	14.4	30.6	36.0	36.0
130°	1.8	14.4	28.8	34.2	34.2
132.5°	1.8	12.6	27.0	32.4	34.2
135°	1.8	12.6	25.2	30.6	32.4
137.5°	1.8	10.8	23.4	28.8	30.6
140°	1.8	10.8	21.6	27.0	28.8
142.5°	1.8	9.0	19.8	25.2	27.0
145°	1.8	9.0	18.0	23.4	25.2
147.5°	1.8	9.0	16.2	21.6	23.4
150°	1.8	7.2	14.4	19.8	21.6
152.5°	1.8	7.2	12.6	18.0	19.8
155°	1.8	5.4	10.8	16.2	18.0
157.5°	1.8	5.4	10.8	14.4	16.2
160°	3.6	5.4	9.0	12.6	14.4
162.5°	1.8	3.6	9.0	10.8	12.6
165°	3.6	3.6	7.2	9.0	10.8
167.5°	3.6	3.6	5.4	7.2	9.0
170°	3.6	3.6	5.4	5.4	7.2
172.5°	3.6	3.6	3.6	5.4	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	3.6	1.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)