

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: P566335

Luminaire Tested: **4SNX-37SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566335  
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-L835-CD  
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

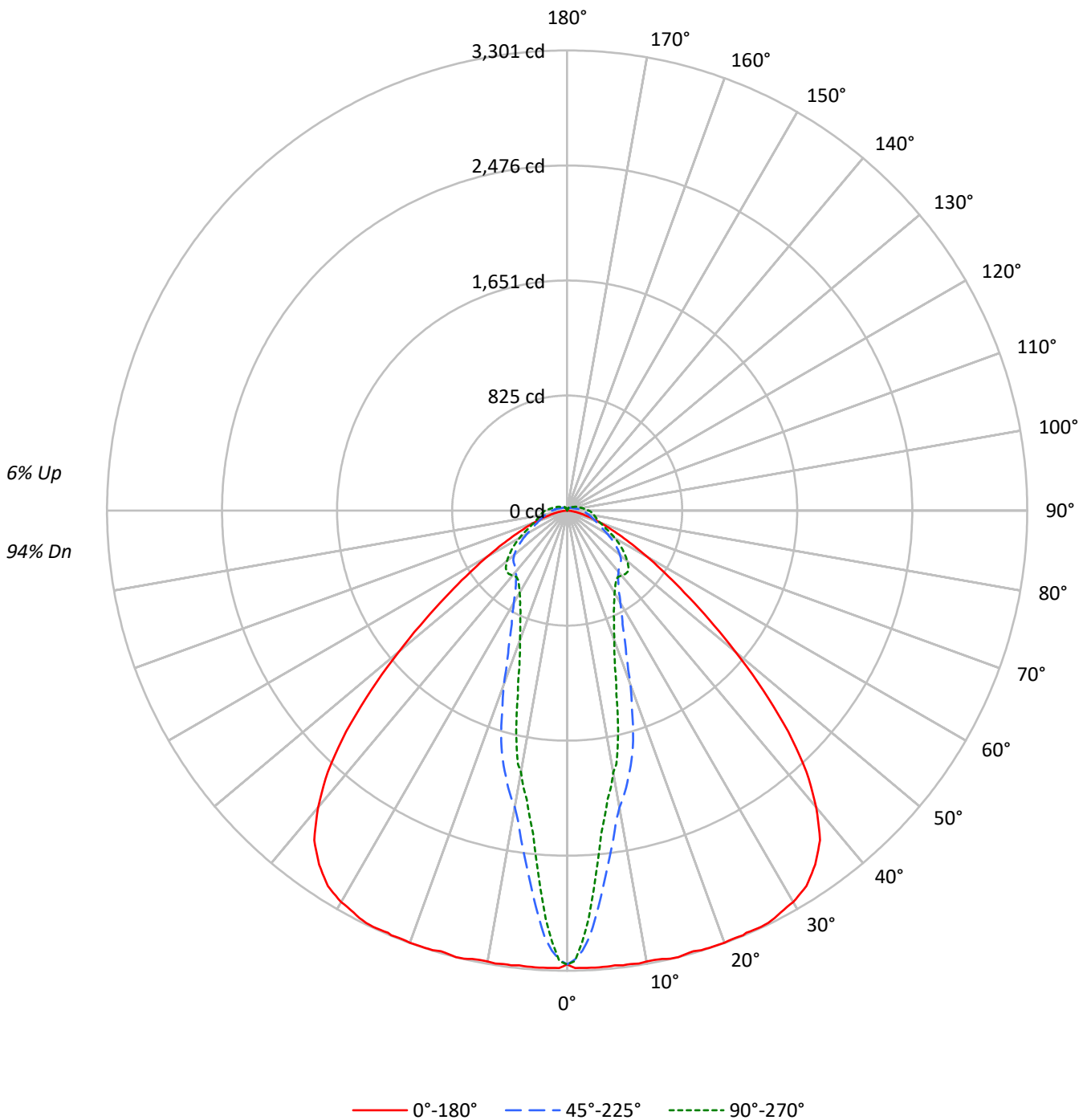
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4013.0 lumens  
Efficiency: N/A  
Efficacy: 167.2 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	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°	35042	35042	35042
5°	35358	28782	25763
10°	35635	21728	18645
15°	36286	17761	12911
20°	37221	12852	9118
25°	38383	9207	7174
30°	39363	7356	6109
35°	39597	6222	5472
40°	37750	5656	5485
45°	32759	5465	5635
50°	25132	5197	5258
55°	18214	4545	4665
60°	13214	3794	3945
65°	9616	3207	3234
70°	7085	2833	2789
75°	5032	2623	2599
80°	3299	2456	2559
85°	1548	2341	2563



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.0	6.4
10°-20°	556.0	13.9
20°-30°	636.4	15.9
30°-40°	637.5	15.9
40°-50°	603.5	15.0
50°-60°	462.8	11.5
60°-70°	298.3	7.4
70°-80°	190.3	4.7
80°-90°	126.3	3.1
90°-100°	84.9	2.1
100°-110°	56.0	1.4
110°-120°	38.9	1.0
120°-130°	27.2	0.7
130°-140°	18.9	0.5
140°-150°	11.5	0.3
150°-160°	5.9	0.1
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1448.4	36.1
0°-40°	2085.9	52.0
0°-60°	3152.2	78.5
0°-90°	3767.1	93.9
90°-120°	179.8	4.5
90°-150°	237.3	5.9
90°-180°	246.0	6.1
0°-180°	4013.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3256	3256	3256	3256	3256	
5°	3284	3103	2780	2593	2523	314
15°	3293	2371	1808	1485	1366	934
25°	3295	1678	956	831	792	1519
35°	3101	934	640	619	611	1924
45°	2242	590	539	596	617	1704
55°	1028	422	415	467	485	946
65°	411	265	261	298	308	423
75°	140	144	181	208	218	154
85°	18	66	128	167	179	25
90°	0	45	107	148	154	1
95°	0	33	88	121	128	0
105°	0	25	58	82	88	1
115°	2	21	43	60	64	2
125°	2	18	37	43	45	2
135°	2	14	29	35	37	2
145°	2	10	21	27	29	1
155°	2	6	12	18	21	1
165°	4	4	8	10	12	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°	3255.5	3255.5	3255.5	3255.5	3255.5
1°	3282.3	3263.8	3220.6	3232.9	3230.9
2°	3282.3	3243.2	3158.9	3134.2	3097.2
3°	3284.3	3208.2	3064.3	2984.1	2932.7
4°	3284.3	3156.8	2924.4	2790.8	2724.9
5°	3284.3	3103.4	2780.5	2593.3	2523.4
6°	3280.2	3039.6	2634.5	2437.0	2332.1
7°	3286.4	2969.7	2502.8	2291.0	2208.7
8°	3284.3	2887.4	2381.5	2180.0	2089.5
9°	3290.5	2807.2	2249.9	2075.1	2007.2
10°	3284.3	2733.2	2163.5	1976.4	1906.4
11°	3284.3	2661.2	2101.8	1912.6	1853.0
12°	3288.4	2578.9	2033.9	1822.1	1739.9
13°	3298.7	2494.6	1955.8	1723.4	1626.7
14°	3300.8	2430.9	1883.8	1597.9	1497.2
15°	3292.6	2371.2	1807.7	1484.8	1365.6
16°	3288.4	2309.5	1717.2	1377.9	1271.0
17°	3296.7	2237.5	1614.4	1268.9	1170.2
18°	3298.7	2171.7	1505.4	1186.6	1100.3
19°	3298.7	2120.3	1417.0	1110.5	1036.5
20°	3298.7	2071.0	1326.5	1053.0	989.2
21°	3294.6	2009.3	1223.7	993.3	939.8
22.5°	3296.7	1894.1	1106.4	923.4	880.2
23°	3290.5	1865.3	1077.6	904.9	859.6
24°	3292.6	1783.0	1015.9	867.9	824.7
25°	3294.6	1678.2	956.3	830.9	791.8
26°	3290.5	1593.8	906.9	795.9	769.2
27°	3280.2	1526.0	872.0	767.1	742.4
28°	3265.8	1435.5	835.0	742.4	719.8
29°	3251.4	1332.7	797.9	715.7	699.2
30°	3243.2	1250.4	763.0	695.1	680.7
32.5°	3193.8	1087.9	691.0	654.0	641.6
35°	3101.3	933.7	639.6	619.0	610.8
37.5°	2980.0	814.4	600.5	596.4	598.5
40°	2780.5	719.8	571.7	590.2	608.7
42.5°	2541.9	645.8	551.2	596.4	617.0
45°	2241.7	590.2	538.8	596.4	617.0
47.5°	1908.5	545.0	524.4	575.8	596.4
50°	1575.3	503.9	495.6	545.0	563.5
52.5°	1281.2	464.8	458.6	505.9	524.4
55°	1028.3	421.6	415.4	466.8	485.3
57.5°	824.7	380.5	374.3	421.6	440.1
60°	658.1	339.3	329.1	376.4	394.9
62.5°	524.4	300.3	294.1	335.2	351.7
65°	411.3	265.3	261.2	298.2	308.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	324.9	232.4	234.4	265.3	277.6
70°	250.9	201.5	213.9	242.7	250.9
72.5°	189.2	170.7	197.4	222.1	232.4
75°	139.8	144.0	181.0	207.7	218.0
77.5°	96.7	119.3	166.6	195.4	205.7
80°	65.8	96.7	152.2	185.1	197.4
82.5°	39.1	80.2	139.8	174.8	189.2
85°	18.5	65.8	127.5	166.6	178.9
87.5°	6.2	53.5	115.2	158.4	168.6
90°	0.0	45.2	106.9	148.1	154.2
92.5°	0.0	39.1	96.7	135.7	139.8
95°	0.0	32.9	88.4	121.3	127.5
97.5°	0.0	30.8	82.3	109.0	117.2
100°	0.0	28.8	74.0	98.7	106.9
102.5°	0.0	24.7	65.8	88.4	96.7
105°	0.0	24.7	57.6	82.3	88.4
107.5°	2.1	22.6	53.5	74.0	82.3
110°	2.1	22.6	47.3	69.9	76.1
112.5°	2.1	22.6	45.2	63.8	72.0
115°	2.1	20.6	43.2	59.6	63.8
117.5°	2.1	20.6	41.1	53.5	57.6
120°	2.1	18.5	39.1	49.4	51.4
122.5°	2.1	18.5	37.0	45.2	47.3
125°	2.1	18.5	37.0	43.2	45.2
127.5°	2.1	16.5	35.0	41.1	41.1
130°	2.1	16.5	32.9	39.1	39.1
132.5°	2.1	14.4	30.8	37.0	39.1
135°	2.1	14.4	28.8	35.0	37.0
137.5°	2.1	12.3	26.7	32.9	35.0
140°	2.1	12.3	24.7	30.8	32.9
142.5°	2.1	10.3	22.6	28.8	30.8
145°	2.1	10.3	20.6	26.7	28.8
147.5°	2.1	10.3	18.5	24.7	26.7
150°	2.1	8.2	16.5	22.6	24.7
152.5°	2.1	8.2	14.4	20.6	22.6
155°	2.1	6.2	12.3	18.5	20.6
157.5°	2.1	6.2	12.3	16.5	18.5
160°	4.1	6.2	10.3	14.4	16.5
162.5°	2.1	4.1	10.3	12.3	14.4
165°	4.1	4.1	8.2	10.3	12.3
167.5°	4.1	4.1	6.2	8.2	10.3
170°	4.1	4.1	6.2	6.2	8.2
172.5°	4.1	4.1	4.1	6.2	4.1
175°	4.1	4.1	4.1	4.1	2.1
177.5°	4.1	4.1	4.1	4.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)