

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: P565605

Luminaire Tested: **2SNX-25SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565605  
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: 2SNX-25SL-LC-UNV-L850-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

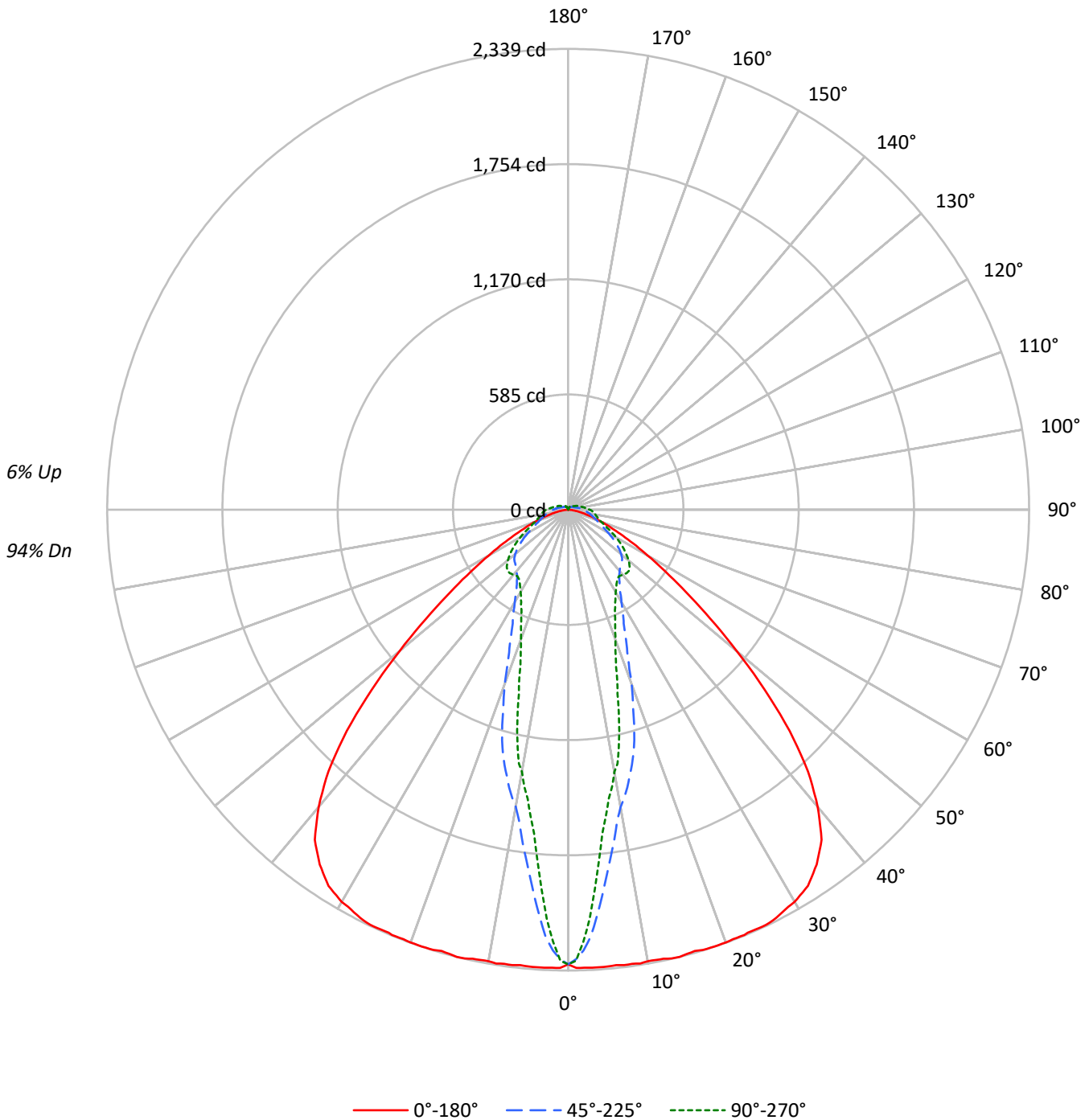
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2844.0 lumens  
Efficiency: N/A  
Efficacy: 162.5 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 17.5  
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	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°	49669	49669	49669
5°	49936	40694	36515
10°	50144	30652	26428
15°	50869	25000	18300
20°	51981	18053	12924
25°	53387	12906	10167
30°	54511	10290	8659
35°	54577	8687	7756
40°	51757	7880	7774
45°	44647	7598	7986
50°	34012	7209	7452
55°	24441	6287	6614
60°	17548	5233	5591
65°	12597	4412	4583
70°	9106	3884	3952
75°	6287	3582	3684
80°	3923	3338	3628
85°	1657	3162	3633



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.4	6.4
10°-20°	394.0	13.9
20°-30°	451.0	15.9
30°-40°	451.8	15.9
40°-50°	427.7	15.0
50°-60°	328.0	11.5
60°-70°	211.4	7.4
70°-80°	134.8	4.7
80°-90°	89.5	3.1
90°-100°	60.2	2.1
100°-110°	39.7	1.4
110°-120°	27.6	1.0
120°-130°	19.2	0.7
130°-140°	13.4	0.5
140°-150°	8.2	0.3
150°-160°	4.1	0.1
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	1026.5	36.1
0°-40°	1478.3	52.0
0°-60°	2234.0	78.5
0°-90°	2669.7	93.9
90°-120°	127.4	4.5
90°-150°	168.2	5.9
90°-180°	174.0	6.1
0°-180°	2844.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2307	2307	2307	2307	2307	
5°	2328	2199	1970	1838	1788	222
15°	2333	1680	1281	1052	968	662
25°	2335	1189	678	589	561	1076
35°	2198	662	453	439	433	1364
45°	1589	418	382	423	437	1208
55°	729	299	294	331	344	670
65°	292	188	185	211	219	300
75°	99	102	128	147	154	109
85°	13	47	90	118	127	18
90°	0	32	76	105	109	1
95°	0	23	63	86	90	0
105°	0	18	41	58	63	1
115°	2	15	31	42	45	1
125°	2	13	26	31	32	1
135°	2	10	20	25	26	1
145°	2	7	15	19	20	1
155°	2	4	9	13	15	1
165°	3	3	6	7	9	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2307.2	2307.2	2307.2	2307.2	2307.2
1°	2326.1	2313.0	2282.4	2291.2	2289.7
2°	2326.1	2298.4	2238.7	2221.2	2195.0
3°	2327.6	2273.7	2171.6	2114.8	2078.4
4°	2327.6	2237.2	2072.5	1977.8	1931.2
5°	2327.6	2199.3	1970.5	1837.9	1788.3
6°	2324.7	2154.2	1867.0	1727.1	1652.8
7°	2329.1	2104.6	1773.8	1623.6	1565.3
8°	2327.6	2046.3	1687.8	1544.9	1480.8
9°	2332.0	1989.5	1594.5	1470.6	1422.5
10°	2327.6	1937.0	1533.3	1400.6	1351.1
11°	2327.6	1886.0	1489.5	1355.5	1313.2
12°	2330.5	1827.7	1441.4	1291.3	1233.0
13°	2337.8	1767.9	1386.1	1221.4	1152.9
14°	2339.3	1722.7	1335.1	1132.5	1061.0
15°	2333.4	1680.5	1281.1	1052.3	967.8
16°	2330.5	1636.8	1217.0	976.5	900.7
17°	2336.3	1585.7	1144.1	899.3	829.3
18°	2337.8	1539.1	1066.9	841.0	779.8
19°	2337.8	1502.7	1004.2	787.0	734.6
20°	2337.8	1467.7	940.1	746.2	701.0
21°	2334.9	1424.0	867.2	704.0	666.1
22.5°	2336.3	1342.3	784.1	654.4	623.8
23°	2332.0	1321.9	763.7	641.3	609.2
24°	2333.4	1263.6	720.0	615.1	584.4
25°	2334.9	1189.3	677.7	588.8	561.1
26°	2332.0	1129.5	642.7	564.0	545.1
27°	2324.7	1081.5	618.0	543.6	526.2
28°	2314.5	1017.3	591.7	526.2	510.1
29°	2304.3	944.4	565.5	507.2	495.5
30°	2298.4	886.1	540.7	492.6	482.4
32.5°	2263.5	771.0	489.7	463.5	454.7
35°	2197.9	661.7	453.3	438.7	432.9
37.5°	2111.9	577.2	425.6	422.7	424.1
40°	1970.5	510.1	405.2	418.3	431.4
42.5°	1801.4	457.6	390.6	422.7	437.2
45°	1588.7	418.3	381.9	422.7	437.2
47.5°	1352.5	386.2	371.7	408.1	422.7
50°	1116.4	357.1	351.3	386.2	399.3
52.5°	908.0	329.4	325.0	358.5	371.7
55°	728.7	298.8	294.4	330.8	344.0
57.5°	584.4	269.6	265.3	298.8	311.9
60°	466.4	240.5	233.2	266.7	279.8
62.5°	371.7	212.8	208.4	237.6	249.2
65°	291.5	188.0	185.1	211.3	218.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	230.3	164.7	166.2	188.0	196.8
70°	177.8	142.8	151.6	172.0	177.8
72.5°	134.1	121.0	139.9	157.4	164.7
75°	99.1	102.0	128.3	147.2	154.5
77.5°	68.5	84.5	118.1	138.5	145.7
80°	46.6	68.5	107.9	131.2	139.9
82.5°	27.7	56.8	99.1	123.9	134.1
85°	13.1	46.6	90.4	118.1	126.8
87.5°	4.4	37.9	81.6	112.2	119.5
90°	0.0	32.1	75.8	104.9	109.3
92.5°	0.0	27.7	68.5	96.2	99.1
95°	0.0	23.3	62.7	86.0	90.4
97.5°	0.0	21.9	58.3	77.2	83.1
100°	0.0	20.4	52.5	70.0	75.8
102.5°	0.0	17.5	46.6	62.7	68.5
105°	0.0	17.5	40.8	58.3	62.7
107.5°	1.5	16.0	37.9	52.5	58.3
110°	1.5	16.0	33.5	49.6	53.9
112.5°	1.5	16.0	32.1	45.2	51.0
115°	1.5	14.6	30.6	42.3	45.2
117.5°	1.5	14.6	29.1	37.9	40.8
120°	1.5	13.1	27.7	35.0	36.4
122.5°	1.5	13.1	26.2	32.1	33.5
125°	1.5	13.1	26.2	30.6	32.1
127.5°	1.5	11.7	24.8	29.1	29.1
130°	1.5	11.7	23.3	27.7	27.7
132.5°	1.5	10.2	21.9	26.2	27.7
135°	1.5	10.2	20.4	24.8	26.2
137.5°	1.5	8.7	18.9	23.3	24.8
140°	1.5	8.7	17.5	21.9	23.3
142.5°	1.5	7.3	16.0	20.4	21.9
145°	1.5	7.3	14.6	18.9	20.4
147.5°	1.5	7.3	13.1	17.5	18.9
150°	1.5	5.8	11.7	16.0	17.5
152.5°	1.5	5.8	10.2	14.6	16.0
155°	1.5	4.4	8.7	13.1	14.6
157.5°	1.5	4.4	8.7	11.7	13.1
160°	2.9	4.4	7.3	10.2	11.7
162.5°	1.5	2.9	7.3	8.7	10.2
165°	2.9	2.9	5.8	7.3	8.7
167.5°	2.9	2.9	4.4	5.8	7.3
170°	2.9	2.9	4.4	4.4	5.8
172.5°	2.9	2.9	2.9	4.4	2.9
175°	2.9	2.9	2.9	2.9	1.5
177.5°	2.9	2.9	2.9	2.9	1.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)