

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: P565565

Luminaire Tested: **2SNX-23SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-23SL-LN-UNV-L850-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

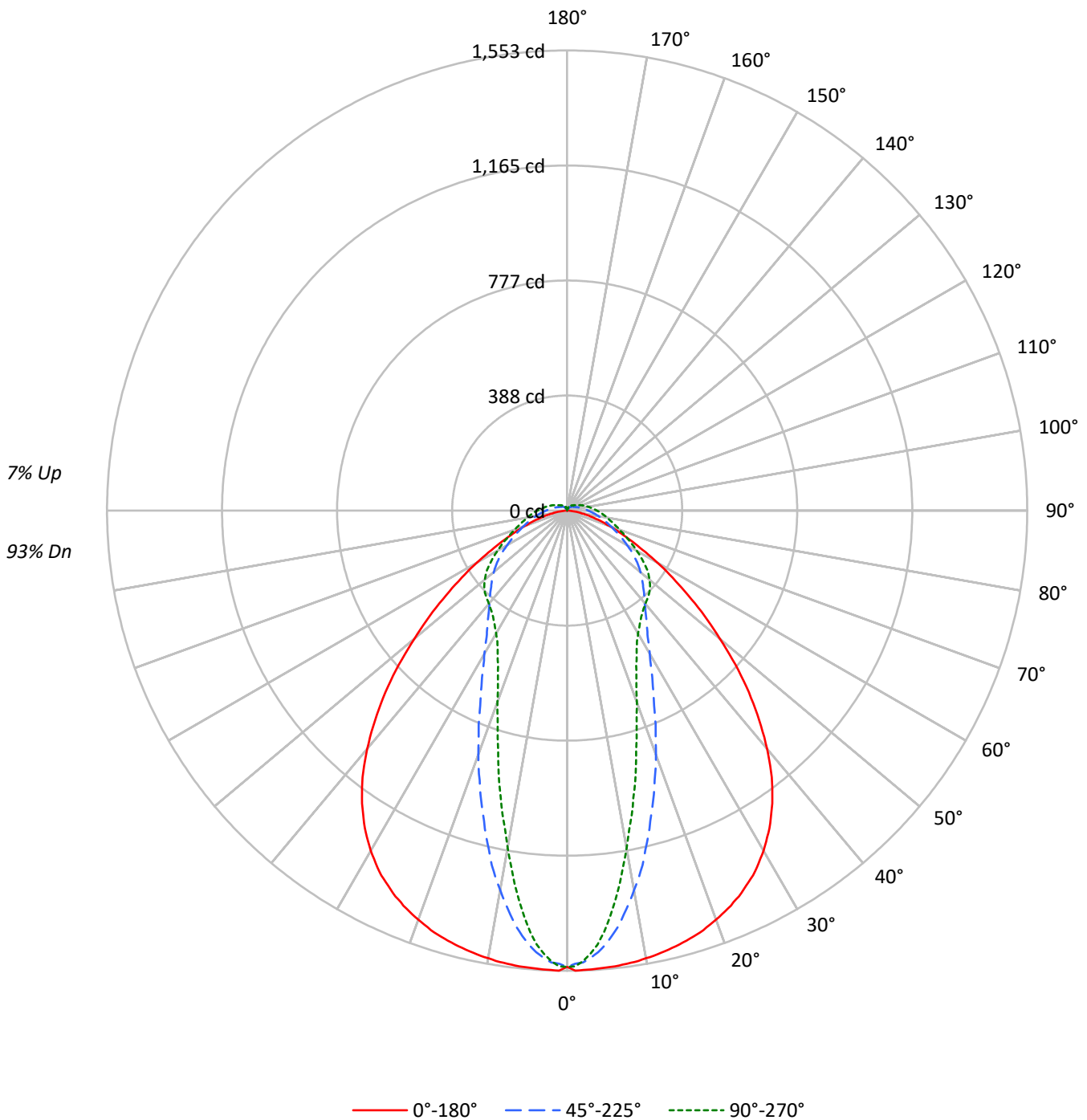
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2455.0 lumens  
Efficiency: N/A  
Efficacy: 164.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 14.9  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

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

	0°	45°	90°
0°	33155	33155	33155
5°	33206	30397	29163
10°	33041	26004	22626
15°	32901	21165	16958
20°	32670	16825	12689
25°	32242	13157	10071
30°	31430	10627	8591
35°	29969	8975	7815
40°	27577	7908	7396
45°	24371	7218	7168
50°	20500	6626	6771
55°	16700	5991	6185
60°	13214	5256	5425
65°	10121	4600	4721
70°	7708	4055	4174
75°	5799	3627	3803
80°	3898	3304	3537
85°	1948	3061	3393



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.4	5.6
10°-20°	319.7	13.0
20°-30°	379.5	15.5
30°-40°	381.8	15.6
40°-50°	354.9	14.5
50°-60°	292.2	11.9
60°-70°	205.9	8.4
70°-80°	134.5	5.5
80°-90°	85.9	3.5
90°-100°	56.3	2.3
100°-110°	38.2	1.6
110°-120°	26.2	1.1
120°-130°	18.1	0.7
130°-140°	12.2	0.5
140°-150°	7.5	0.3
150°-160°	3.9	0.2
160°-170°	1.4	0.1
170°-180°	0.2	0.0
0°-30°	835.5	34.0
0°-40°	1217.3	49.6
0°-60°	1864.5	75.9
0°-90°	2290.8	93.3
90°-120°	120.8	4.9
90°-150°	158.7	6.5
90°-180°	164.0	6.7
0°-180°	2455.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1540	1540	1540	1540	1540	
5°	1548	1527	1472	1444	1428	147
15°	1509	1348	1085	948	897	426
25°	1410	1042	691	580	556	649
35°	1207	705	468	439	436	751
45°	867	464	363	382	392	666
55°	498	305	280	311	322	450
65°	234	184	193	217	225	238
75°	91	95	130	153	160	99
85°	15	44	88	113	118	19
90°	0	30	71	96	100	1
95°	0	22	59	81	85	0
105°	0	15	40	57	62	0
115°	1	13	28	41	44	1
125°	1	10	23	30	32	1
135°	1	9	18	23	24	1
145°	1	6	13	18	19	1
155°	1	5	9	13	14	1
165°	1	3	5	6	8	0
175°	3	3	3	3	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1540.1	1540.1	1540.1	1540.1	1540.1
1°	1553.0	1546.5	1529.8	1541.4	1538.8
2°	1551.7	1545.2	1525.9	1531.1	1522.1
3°	1550.4	1541.4	1511.8	1510.5	1497.6
4°	1549.1	1534.9	1493.8	1478.3	1468.0
5°	1547.8	1527.2	1471.9	1443.6	1428.2
6°	1546.5	1518.2	1443.6	1401.1	1379.3
7°	1544.0	1504.1	1414.0	1356.1	1327.8
8°	1541.4	1491.2	1376.7	1307.2	1272.5
9°	1538.8	1474.5	1339.4	1254.5	1213.3
10°	1533.7	1457.8	1300.8	1200.4	1156.7
11°	1531.1	1438.5	1263.5	1149.0	1097.5
12°	1525.9	1417.9	1223.6	1094.9	1049.9
13°	1520.8	1396.0	1174.7	1048.6	994.6
14°	1515.6	1372.8	1132.2	997.1	947.0
15°	1509.2	1348.4	1084.6	948.2	896.8
16°	1502.8	1320.1	1042.2	898.1	844.0
17°	1496.3	1293.1	1002.3	851.7	802.9
18°	1488.6	1266.0	956.0	806.7	759.1
19°	1478.3	1235.2	918.7	765.5	721.8
20°	1469.3	1206.9	876.2	726.9	688.3
21°	1459.0	1172.1	833.7	690.9	652.3
22.5°	1443.6	1123.2	779.7	645.9	609.9
23°	1435.9	1109.1	757.8	629.2	598.3
24°	1425.6	1071.8	721.8	603.4	572.5
25°	1410.1	1042.2	690.9	580.3	555.8
26°	1396.0	1006.1	660.0	559.7	535.2
27°	1381.8	971.4	633.0	537.8	517.2
28°	1363.8	935.4	603.4	519.8	501.8
29°	1344.5	901.9	579.0	504.4	490.2
30°	1325.2	864.6	558.4	490.2	478.6
32.5°	1271.2	782.3	505.6	463.2	455.5
35°	1206.9	705.1	468.3	438.7	436.2
37.5°	1134.8	634.3	434.9	419.4	422.0
40°	1049.9	570.0	406.6	405.3	410.4
42.5°	959.8	514.7	384.7	393.7	401.4
45°	867.2	464.5	362.8	382.1	392.4
47.5°	770.7	420.7	343.5	368.0	379.6
50°	672.9	378.3	322.9	351.2	362.8
52.5°	585.4	341.0	302.4	332.0	344.8
55°	497.9	304.9	280.5	311.4	321.7
57.5°	422.0	271.5	257.3	288.2	295.9
60°	351.2	239.3	234.2	262.5	271.5
62.5°	286.9	211.0	212.3	239.3	248.3
65°	234.2	184.0	193.0	217.4	225.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	190.4	158.3	173.7	199.4	205.9
70°	150.5	135.1	158.3	181.4	187.8
72.5°	119.7	114.5	142.8	167.3	172.4
75°	91.4	95.2	129.9	153.1	159.5
77.5°	65.6	79.8	117.1	141.5	146.7
80°	46.3	65.6	106.8	131.2	136.4
82.5°	29.6	54.0	96.5	122.2	127.4
85°	15.4	43.7	87.5	113.2	118.4
87.5°	6.4	36.0	78.5	104.2	109.4
90°	0.0	29.6	70.8	96.5	100.4
92.5°	0.0	25.7	64.3	88.8	92.6
95°	0.0	21.9	59.2	81.1	84.9
97.5°	0.0	20.6	52.8	74.6	78.5
100°	0.0	18.0	47.6	68.2	73.3
102.5°	0.0	16.7	43.7	61.8	66.9
105°	0.0	15.4	39.9	56.6	61.8
107.5°	0.0	14.2	37.3	52.8	56.6
110°	0.0	14.2	33.5	48.9	52.8
112.5°	1.3	12.9	30.9	43.7	47.6
115°	1.3	12.9	28.3	41.2	43.7
117.5°	1.3	12.9	27.0	37.3	39.9
120°	1.3	11.6	25.7	34.7	37.3
122.5°	1.3	11.6	24.4	32.2	33.5
125°	1.3	10.3	23.2	29.6	32.2
127.5°	1.3	10.3	21.9	28.3	29.6
130°	1.3	10.3	20.6	25.7	28.3
132.5°	1.3	9.0	19.3	24.4	25.7
135°	1.3	9.0	18.0	23.2	24.4
137.5°	1.3	7.7	16.7	21.9	23.2
140°	1.3	7.7	15.4	20.6	21.9
142.5°	1.3	6.4	14.2	19.3	20.6
145°	1.3	6.4	12.9	18.0	19.3
147.5°	1.3	6.4	11.6	16.7	18.0
150°	1.3	5.1	10.3	15.4	16.7
152.5°	1.3	5.1	9.0	14.2	15.4
155°	1.3	5.1	9.0	12.9	14.2
157.5°	1.3	3.9	7.7	10.3	12.9
160°	1.3	3.9	6.4	9.0	11.6
162.5°	1.3	3.9	6.4	7.7	9.0
165°	1.3	2.6	5.1	6.4	7.7
167.5°	1.3	2.6	3.9	5.1	6.4
170°	1.3	2.6	3.9	3.9	5.1
172.5°	1.3	2.6	2.6	2.6	2.6
175°	2.6	2.6	2.6	2.6	1.3
177.5°	2.6	2.6	2.6	1.3	1.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)