

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: P566150

Luminaire Tested: **4SNX-22SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566150  
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: 4SNX-22SL-LN-UNV-L830-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

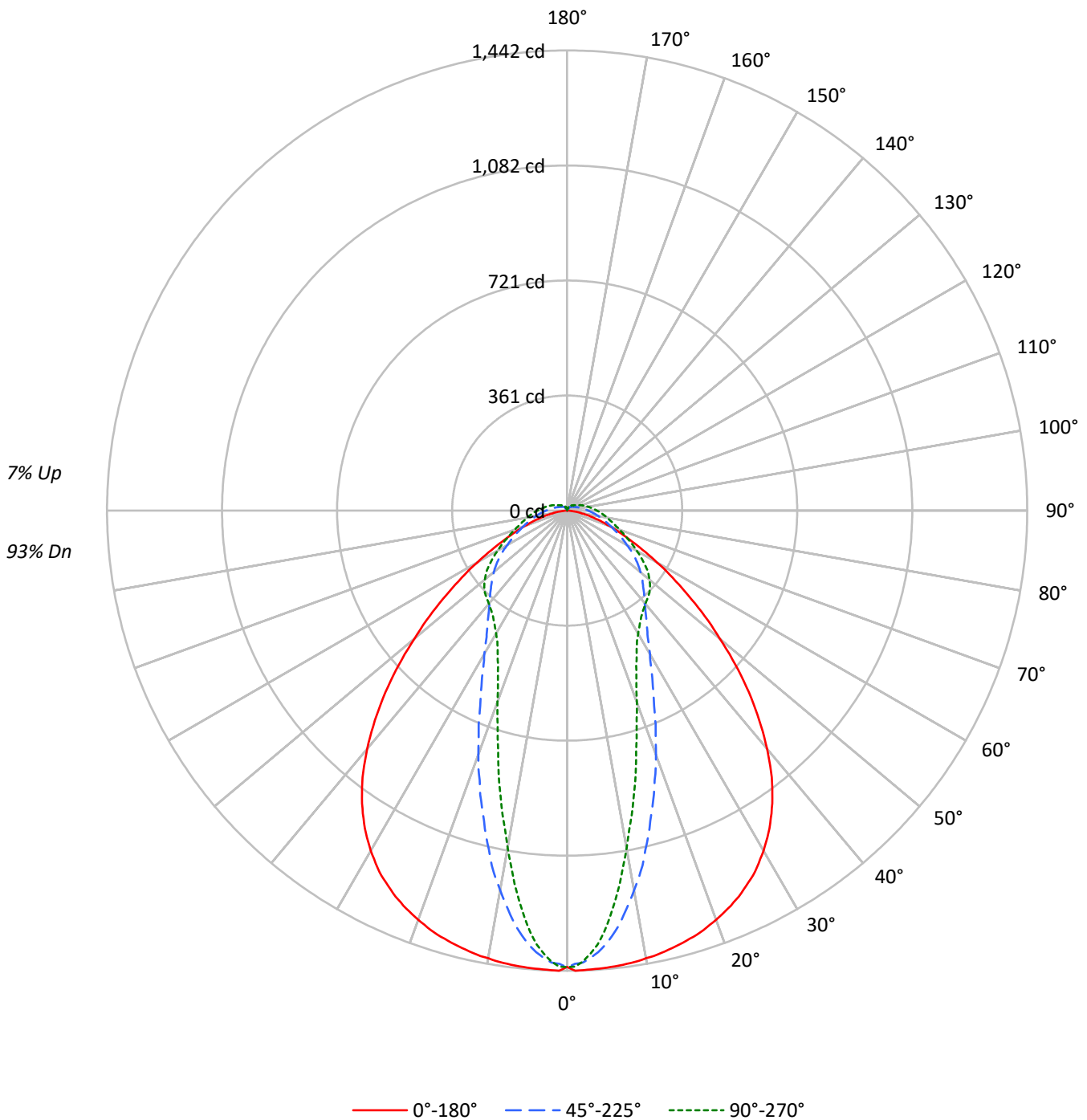
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2280.0 lumens  
Efficiency: N/A  
Efficacy: 165.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 13.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	15396	15396	15396
5°	15476	14150	13542
10°	15454	12133	10506
15°	15446	9897	7875
20°	15398	7884	5893
25°	15257	6178	4677
30°	14938	5000	3989
35°	14310	4231	3629
40°	13237	3736	3435
45°	11770	3418	3328
50°	9969	3145	3145
55°	8190	2850	2871
60°	6550	2507	2519
65°	5085	2201	2192
70°	3948	1947	1939
75°	3052	1749	1767
80°	2156	1601	1643
85°	1196	1493	1575



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.7	5.6
10°-20°	296.9	13.0
20°-30°	352.4	15.5
30°-40°	354.6	15.6
40°-50°	329.6	14.5
50°-60°	271.4	11.9
60°-70°	191.3	8.4
70°-80°	124.9	5.5
80°-90°	79.8	3.5
90°-100°	52.3	2.3
100°-110°	35.5	1.6
110°-120°	24.3	1.1
120°-130°	16.9	0.7
130°-140°	11.3	0.5
140°-150°	7.0	0.3
150°-160°	3.6	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	776.0	34.0
0°-40°	1130.6	49.6
0°-60°	1731.6	75.9
0°-90°	2127.5	93.3
90°-120°	112.2	4.9
90°-150°	147.3	6.5
90°-180°	152.0	6.7
0°-180°	2280.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1438	1418	1367	1341	1326	137
15°	1402	1252	1007	881	833	396
25°	1310	968	642	539	516	603
35°	1121	655	435	408	405	697
45°	805	431	337	355	364	618
55°	462	283	260	289	299	418
65°	218	171	179	202	209	221
75°	85	88	121	142	148	92
85°	14	41	81	105	110	18
90°	0	28	66	90	93	1
95°	0	20	55	75	79	0
105°	0	14	37	53	57	0
115°	1	12	26	38	41	1
125°	1	10	22	28	30	1
135°	1	8	17	22	23	1
145°	1	6	12	17	18	1
155°	1	5	8	12	13	1
165°	1	2	5	6	7	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1430.3	1430.3	1430.3	1430.3	1430.3
1°	1442.3	1436.3	1420.8	1431.5	1429.1
2°	1441.1	1435.1	1417.2	1421.9	1413.6
3°	1439.9	1431.5	1404.0	1402.8	1390.9
4°	1438.7	1425.5	1387.3	1373.0	1363.4
5°	1437.5	1418.4	1367.0	1340.7	1326.4
6°	1436.3	1410.0	1340.7	1301.3	1280.9
7°	1433.9	1396.9	1313.2	1259.4	1233.2
8°	1431.5	1384.9	1278.6	1214.0	1181.8
9°	1429.1	1369.4	1243.9	1165.0	1126.8
10°	1424.3	1353.8	1208.1	1114.9	1074.2
11°	1421.9	1335.9	1173.4	1067.1	1019.3
12°	1417.2	1316.8	1136.4	1016.9	975.0
13°	1412.4	1296.5	1091.0	973.9	923.7
14°	1407.6	1275.0	1051.5	926.1	879.5
15°	1401.6	1252.3	1007.3	880.7	832.9
16°	1395.7	1226.0	967.9	834.1	783.9
17°	1389.7	1200.9	930.8	791.0	745.6
18°	1382.5	1175.8	887.8	749.2	705.0
19°	1373.0	1147.1	853.2	711.0	670.3
20°	1364.6	1120.8	813.7	675.1	639.3
21°	1355.0	1088.6	774.3	641.7	605.8
22.5°	1340.7	1043.2	724.1	599.8	566.4
23°	1333.5	1030.0	703.8	584.3	555.6
24°	1324.0	995.4	670.3	560.4	531.7
25°	1309.6	967.9	641.7	538.9	516.2
26°	1296.5	934.4	613.0	519.8	497.1
27°	1283.3	902.2	587.9	499.5	480.4
28°	1266.6	868.7	560.4	482.7	466.0
29°	1248.7	837.6	537.7	468.4	455.3
30°	1230.8	803.0	518.6	455.3	444.5
32.5°	1180.6	726.5	469.6	430.2	423.0
35°	1120.8	654.8	434.9	407.5	405.1
37.5°	1053.9	589.1	403.9	389.5	391.9
40°	975.0	529.3	377.6	376.4	381.2
42.5°	891.4	478.0	357.3	365.6	372.8
45°	805.4	431.4	337.0	354.9	364.4
47.5°	715.8	390.7	319.0	341.7	352.5
50°	624.9	351.3	299.9	326.2	337.0
52.5°	543.7	316.7	280.8	308.3	320.2
55°	462.4	283.2	260.5	289.2	298.7
57.5°	391.9	252.1	239.0	267.7	274.8
60°	326.2	222.3	217.5	243.8	252.1
62.5°	266.5	196.0	197.2	222.3	230.6
65°	217.5	170.9	179.2	201.9	209.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	176.8	147.0	161.3	185.2	191.2
70°	139.8	125.5	147.0	168.5	174.5
72.5°	111.1	106.3	132.6	155.3	160.1
75°	84.8	88.4	120.7	142.2	148.2
77.5°	60.9	74.1	108.7	131.4	136.2
80°	43.0	60.9	99.2	121.9	126.7
82.5°	27.5	50.2	89.6	113.5	118.3
85°	14.3	40.6	81.3	105.2	109.9
87.5°	6.0	33.5	72.9	96.8	101.6
90°	0.0	27.5	65.7	89.6	93.2
92.5°	0.0	23.9	59.7	82.4	86.0
95°	0.0	20.3	55.0	75.3	78.9
97.5°	0.0	19.1	49.0	69.3	72.9
100°	0.0	16.7	44.2	63.3	68.1
102.5°	0.0	15.5	40.6	57.4	62.1
105°	0.0	14.3	37.0	52.6	57.4
107.5°	0.0	13.1	34.7	49.0	52.6
110°	0.0	13.1	31.1	45.4	49.0
112.5°	1.2	11.9	28.7	40.6	44.2
115°	1.2	11.9	26.3	38.2	40.6
117.5°	1.2	11.9	25.1	34.7	37.0
120°	1.2	10.8	23.9	32.3	34.7
122.5°	1.2	10.8	22.7	29.9	31.1
125°	1.2	9.6	21.5	27.5	29.9
127.5°	1.2	9.6	20.3	26.3	27.5
130°	1.2	9.6	19.1	23.9	26.3
132.5°	1.2	8.4	17.9	22.7	23.9
135°	1.2	8.4	16.7	21.5	22.7
137.5°	1.2	7.2	15.5	20.3	21.5
140°	1.2	7.2	14.3	19.1	20.3
142.5°	1.2	6.0	13.1	17.9	19.1
145°	1.2	6.0	11.9	16.7	17.9
147.5°	1.2	6.0	10.8	15.5	16.7
150°	1.2	4.8	9.6	14.3	15.5
152.5°	1.2	4.8	8.4	13.1	14.3
155°	1.2	4.8	8.4	11.9	13.1
157.5°	1.2	3.6	7.2	9.6	11.9
160°	1.2	3.6	6.0	8.4	10.8
162.5°	1.2	3.6	6.0	7.2	8.4
165°	1.2	2.4	4.8	6.0	7.2
167.5°	1.2	2.4	3.6	4.8	6.0
170°	1.2	2.4	3.6	3.6	4.8
172.5°	1.2	2.4	2.4	2.4	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)