

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: P566145

Luminaire Tested: **4SNX-22SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566145  
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-22SL-LC-UNV-L850-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

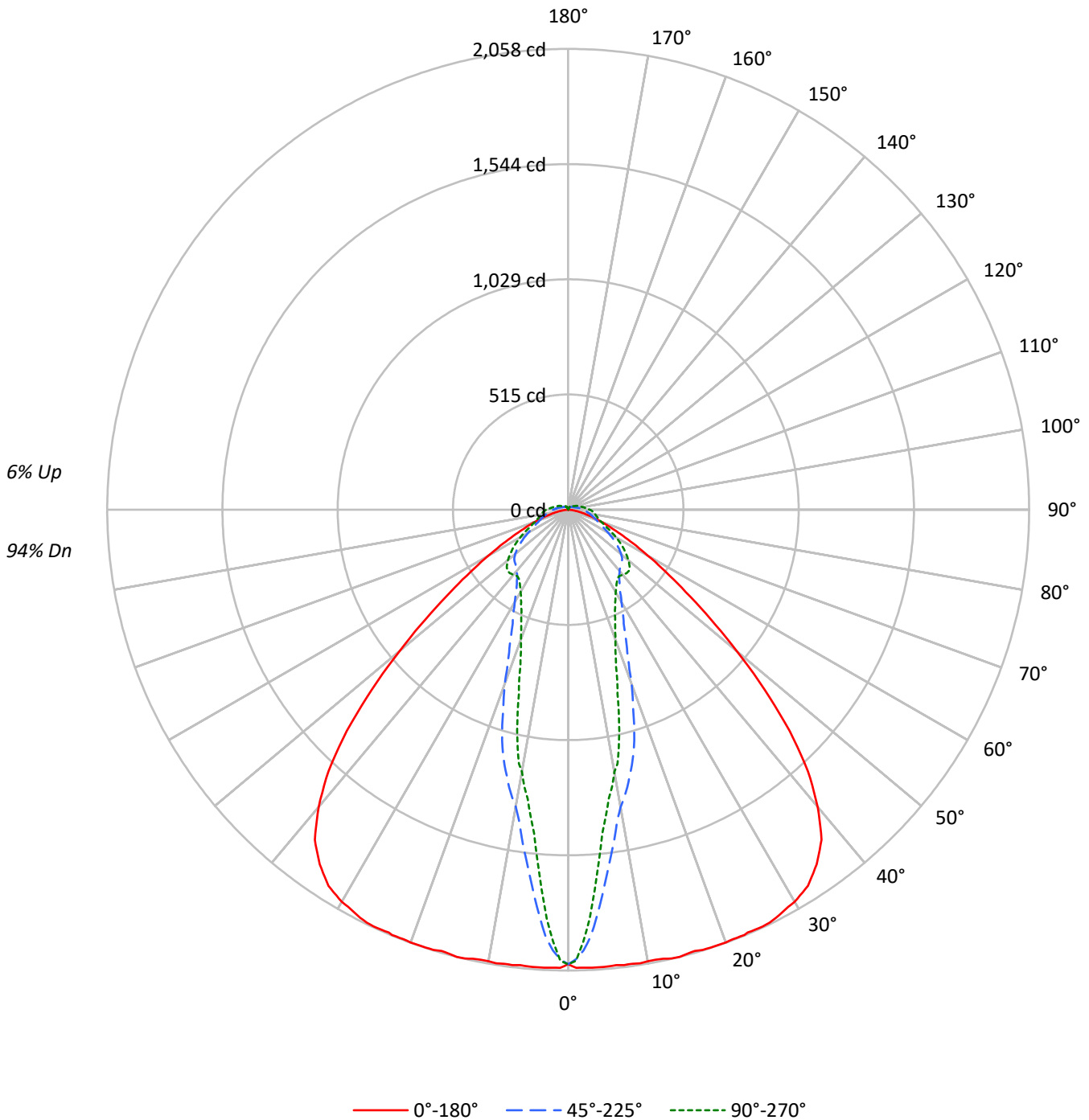
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2502.0 lumens  
Efficiency: N/A  
Efficacy: 181.3 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): 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	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°	21848	21848	21848
5°	22045	17945	16063
10°	22218	13547	11625
15°	22623	11074	8050
20°	23207	8012	5685
25°	23931	5740	4473
30°	24542	4586	3809
35°	24688	3880	3411
40°	23536	3527	3420
45°	20424	3407	3514
50°	15669	3240	3278
55°	11355	2834	2909
60°	8238	2365	2460
65°	5995	1999	2016
70°	4417	1767	1738
75°	3138	1635	1620
80°	2056	1532	1596
85°	962	1460	1599



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.6	6.4
10°-20°	346.6	13.9
20°-30°	396.8	15.9
30°-40°	397.5	15.9
40°-50°	376.3	15.0
50°-60°	288.6	11.5
60°-70°	186.0	7.4
70°-80°	118.6	4.7
80°-90°	78.8	3.1
90°-100°	53.0	2.1
100°-110°	34.9	1.4
110°-120°	24.3	1.0
120°-130°	16.9	0.7
130°-140°	11.8	0.5
140°-150°	7.2	0.3
150°-160°	3.6	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	903.0	36.1
0°-40°	1300.5	52.0
0°-60°	1965.3	78.5
0°-90°	2348.7	93.9
90°-120°	112.1	4.5
90°-150°	148.0	5.9
90°-180°	153.0	6.1
0°-180°	2502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2030	2030	2030	2030	2030	
5°	2048	1935	1734	1617	1573	196
15°	2053	1478	1127	926	851	582
25°	2054	1046	596	518	494	947
35°	1934	582	399	386	381	1200
45°	1398	368	336	372	385	1063
55°	641	263	259	291	303	590
65°	256	165	163	186	192	264
75°	87	90	113	130	136	96
85°	12	41	80	104	112	16
90°	0	28	67	92	96	1
95°	0	20	55	76	80	0
105°	0	15	36	51	55	1
115°	1	13	27	37	40	1
125°	1	12	23	27	28	1
135°	1	9	18	22	23	1
145°	1	6	13	17	18	1
155°	1	4	8	12	13	1
165°	3	3	5	6	8	1
175°	3	3	3	3	1	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2029.7	2029.7	2029.7	2029.7	2029.7
1°	2046.4	2034.9	2007.9	2015.6	2014.4
2°	2046.4	2022.1	1969.5	1954.1	1931.0
3°	2047.7	2000.3	1910.5	1860.5	1828.4
4°	2047.7	1968.2	1823.3	1740.0	1698.9
5°	2047.7	1934.9	1733.6	1616.9	1573.3
6°	2045.1	1895.1	1642.5	1519.4	1454.0
7°	2049.0	1851.5	1560.5	1428.4	1377.1
8°	2047.7	1800.2	1484.8	1359.1	1302.7
9°	2051.5	1750.2	1402.7	1293.8	1251.4
10°	2047.7	1704.1	1348.9	1232.2	1188.6
11°	2047.7	1659.2	1310.4	1192.5	1155.3
12°	2050.3	1607.9	1268.1	1136.0	1084.8
13°	2056.7	1555.3	1219.4	1074.5	1014.2
14°	2058.0	1515.6	1174.5	996.3	933.5
15°	2052.8	1478.4	1127.1	925.8	851.4
16°	2050.3	1439.9	1070.6	859.1	792.4
17°	2055.4	1395.0	1006.5	791.1	729.6
18°	2056.7	1354.0	938.6	739.8	686.0
19°	2056.7	1322.0	883.4	692.4	646.2
20°	2056.7	1291.2	827.0	656.5	616.7
21°	2054.1	1252.7	762.9	619.3	586.0
22.5°	2055.4	1180.9	689.8	575.7	548.8
23°	2051.5	1163.0	671.9	564.2	536.0
24°	2052.8	1111.7	633.4	541.1	514.2
25°	2054.1	1046.3	596.2	518.0	493.7
26°	2051.5	993.7	565.5	496.2	479.5
27°	2045.1	951.4	543.7	478.3	462.9
28°	2036.2	895.0	520.6	462.9	448.8
29°	2027.2	830.9	497.5	446.2	436.0
30°	2022.1	779.6	475.7	433.4	424.4
32.5°	1991.3	678.3	430.8	407.7	400.1
35°	1933.6	582.1	398.8	385.9	380.8
37.5°	1857.9	507.8	374.4	371.8	373.1
40°	1733.6	448.8	356.5	368.0	379.5
42.5°	1584.8	402.6	343.6	371.8	384.7
45°	1397.6	368.0	335.9	371.8	384.7
47.5°	1189.9	339.8	327.0	359.0	371.8
50°	982.2	314.1	309.0	339.8	351.3
52.5°	798.8	289.8	285.9	315.4	327.0
55°	641.1	262.9	259.0	291.1	302.6
57.5°	514.2	237.2	233.4	262.9	274.4
60°	410.3	211.6	205.2	234.6	246.2
62.5°	327.0	187.2	183.4	209.0	219.3
65°	256.4	165.4	162.8	185.9	192.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	202.6	144.9	146.2	165.4	173.1
70°	156.4	125.7	133.4	151.3	156.4
72.5°	118.0	106.4	123.1	138.5	144.9
75°	87.2	89.8	112.8	129.5	135.9
77.5°	60.3	74.4	103.9	121.8	128.2
80°	41.0	60.3	94.9	115.4	123.1
82.5°	24.4	50.0	87.2	109.0	118.0
85°	11.5	41.0	79.5	103.9	111.6
87.5°	3.8	33.3	71.8	98.7	105.1
90°	0.0	28.2	66.7	92.3	96.2
92.5°	0.0	24.4	60.3	84.6	87.2
95°	0.0	20.5	55.1	75.7	79.5
97.5°	0.0	19.2	51.3	68.0	73.1
100°	0.0	18.0	46.2	61.5	66.7
102.5°	0.0	15.4	41.0	55.1	60.3
105°	0.0	15.4	35.9	51.3	55.1
107.5°	1.3	14.1	33.3	46.2	51.3
110°	1.3	14.1	29.5	43.6	47.4
112.5°	1.3	14.1	28.2	39.7	44.9
115°	1.3	12.8	26.9	37.2	39.7
117.5°	1.3	12.8	25.6	33.3	35.9
120°	1.3	11.5	24.4	30.8	32.1
122.5°	1.3	11.5	23.1	28.2	29.5
125°	1.3	11.5	23.1	26.9	28.2
127.5°	1.3	10.3	21.8	25.6	25.6
130°	1.3	10.3	20.5	24.4	24.4
132.5°	1.3	9.0	19.2	23.1	24.4
135°	1.3	9.0	18.0	21.8	23.1
137.5°	1.3	7.7	16.7	20.5	21.8
140°	1.3	7.7	15.4	19.2	20.5
142.5°	1.3	6.4	14.1	18.0	19.2
145°	1.3	6.4	12.8	16.7	18.0
147.5°	1.3	6.4	11.5	15.4	16.7
150°	1.3	5.1	10.3	14.1	15.4
152.5°	1.3	5.1	9.0	12.8	14.1
155°	1.3	3.8	7.7	11.5	12.8
157.5°	1.3	3.8	7.7	10.3	11.5
160°	2.6	3.8	6.4	9.0	10.3
162.5°	1.3	2.6	6.4	7.7	9.0
165°	2.6	2.6	5.1	6.4	7.7
167.5°	2.6	2.6	3.8	5.1	6.4
170°	2.6	2.6	3.8	3.8	5.1
172.5°	2.6	2.6	2.6	3.8	2.6
175°	2.6	2.6	2.6	2.6	1.3
177.5°	2.6	2.6	2.6	2.6	1.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)