

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: P566136

Luminaire Tested: **4SNX-22SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-22SL-FDL-UNV-L840-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

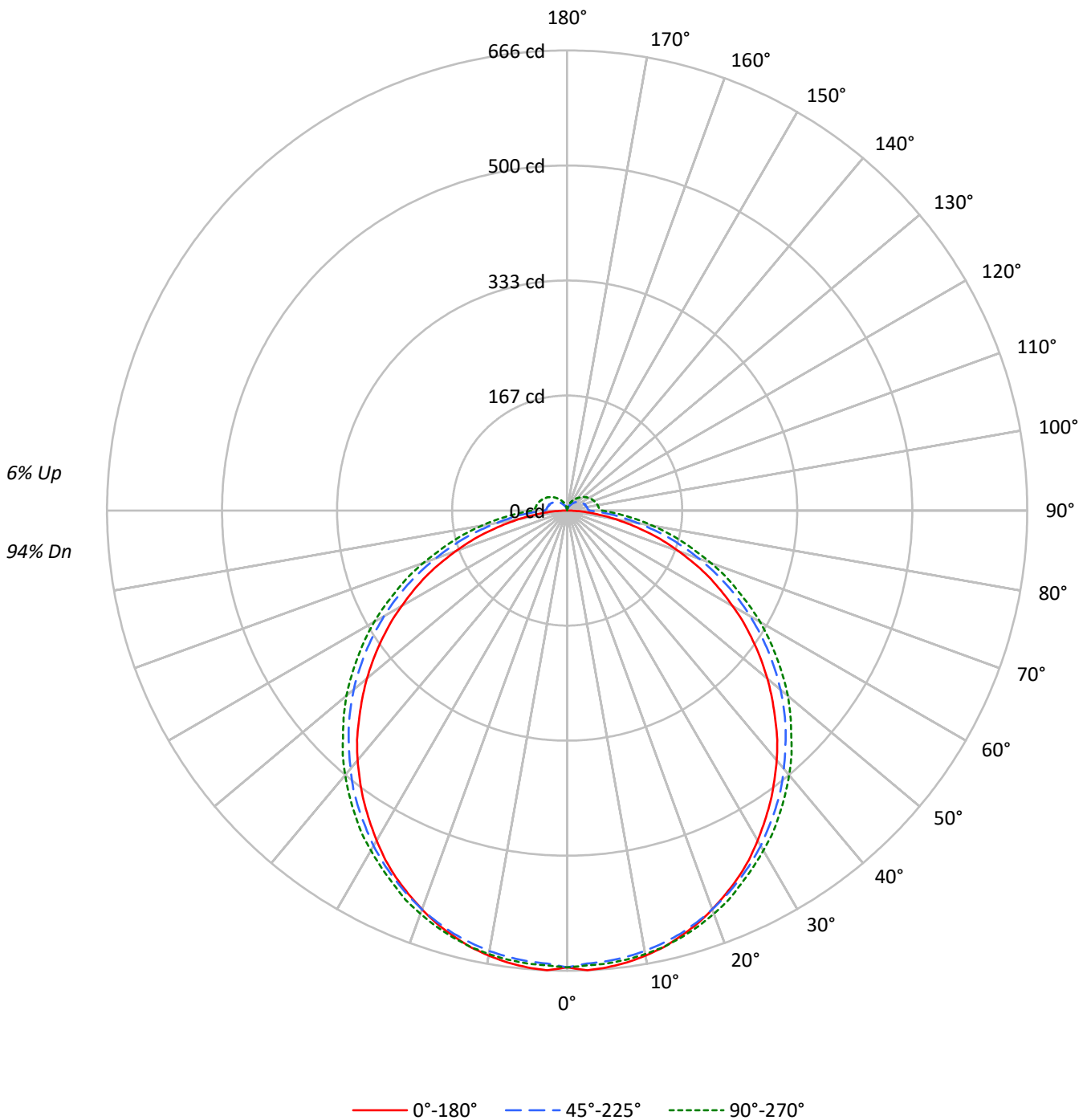
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2101.0 lumens  
Efficiency: N/A  
Efficacy: 152.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 13.8  
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	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

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

	0°	45°	90°
0°	7116	7116	7116
5°	7165	6998	7010
10°	7136	6923	6921
15°	7082	6836	6823
20°	7010	6730	6707
25°	6926	6613	6568
30°	6812	6495	6441
35°	6697	6356	6308
40°	6572	6203	6160
45°	6412	6050	5985
50°	6259	5877	5827
55°	6069	5663	5606
60°	5853	5417	5389
65°	5625	5124	5089
70°	5235	4756	4779
75°	4768	4322	4408
80°	4074	3748	3996
85°	3200	3251	3512



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.7	3.0
10°-20°	179.9	8.6
20°-30°	272.7	13.0
30°-40°	329.2	15.7
40°-50°	343.7	16.4
50°-60°	315.8	15.0
60°-70°	249.7	11.9
70°-80°	158.0	7.5
80°-90°	67.9	3.2
90°-100°	29.9	1.4
100°-110°	26.8	1.3
110°-120°	22.6	1.1
120°-130°	17.6	0.8
130°-140°	12.2	0.6
140°-150°	7.3	0.3
150°-160°	3.6	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	515.3	24.5
0°-40°	844.4	40.2
0°-60°	1503.9	71.6
0°-90°	1979.6	94.2
90°-120°	79.3	3.8
90°-150°	116.4	5.5
90°-180°	121.0	5.8
0°-180°	2101.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	664	662	655	660	658	63
15°	637	637	634	641	640	180
25°	586	589	589	597	596	270
35°	513	519	526	534	536	321
45°	426	436	447	456	459	329
55°	328	342	356	367	370	294
65°	226	238	255	267	271	222
75°	119	133	152	166	172	126
85°	29	45	64	78	83	32
90°	2	16	33	46	51	2
95°	0	14	30	42	46	0
105°	0	13	28	39	43	0
115°	0	11	25	35	39	0
125°	1	10	21	30	34	1
135°	1	7	17	24	27	1
145°	1	6	12	18	20	0
155°	1	4	8	12	14	0
165°	1	3	4	6	8	0
175°	1	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°	661.1	661.1	661.1	661.1	661.1
2.5°	666.0	663.7	656.3	661.5	658.9
5°	663.7	661.9	654.8	660.4	658.2
7.5°	659.7	658.2	651.8	657.8	655.6
10°	654.1	653.0	647.4	653.3	651.8
12.5°	647.0	646.6	641.1	647.8	646.6
15°	637.3	637.3	634.0	640.7	639.6
17.5°	626.9	627.3	624.7	631.8	631.0
20°	614.3	616.1	614.3	621.7	621.0
22.5°	600.5	603.1	602.4	609.8	610.2
25°	586.0	588.6	589.3	597.2	596.0
27.5°	570.0	574.1	575.6	582.6	582.3
30°	551.4	557.0	560.3	566.3	568.1
32.5°	532.4	539.1	543.2	551.4	553.6
35°	513.4	519.4	526.1	534.3	536.1
37.5°	492.6	499.3	508.2	516.0	518.3
40°	471.8	479.2	487.8	496.3	499.7
42.5°	450.2	458.0	467.3	477.3	480.7
45°	425.6	436.1	447.2	455.8	458.7
47.5°	402.2	413.7	425.6	434.9	438.3
50°	378.4	390.7	403.3	411.9	417.1
52.5°	353.5	366.8	379.5	390.3	393.6
55°	328.2	341.5	355.7	367.2	369.8
57.5°	303.6	316.6	330.8	341.5	346.8
60°	276.8	290.9	306.2	317.0	322.6
62.5°	250.8	264.5	280.9	292.4	296.9
65°	225.8	238.5	255.2	267.1	271.2
67.5°	198.3	212.8	228.8	242.6	247.8
70°	171.1	184.9	203.1	216.2	221.4
72.5°	145.8	159.2	177.5	190.5	195.3
75°	119.1	133.2	152.5	165.6	171.9
77.5°	93.4	109.0	127.6	141.8	148.8
80°	69.6	83.3	103.4	119.1	125.4
82.5°	47.3	62.1	83.0	97.5	104.5
85°	29.0	44.6	64.0	77.8	82.6
87.5°	13.8	28.6	46.5	59.9	65.9
90°	1.9	16.0	32.7	45.8	50.6
92.5°	0.4	13.8	30.1	42.4	46.9
95°	0.4	13.8	29.8	41.7	46.1
97.5°	0.4	13.4	29.4	41.3	45.4
100°	0.4	13.0	29.0	40.6	45.0
102.5°	0.4	13.0	28.3	39.8	43.9
105°	0.4	12.6	27.9	39.1	43.2
107.5°	0.4	12.3	27.2	38.3	42.4
110°	0.4	11.5	26.8	37.2	41.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	11.2	26.0	36.5	40.2
115°	0.4	10.8	25.3	35.3	39.1
117.5°	0.4	10.4	24.2	34.2	37.9
120°	0.7	10.4	23.4	33.1	36.5
122.5°	0.7	10.0	22.3	31.6	35.0
125°	0.7	9.7	21.2	30.5	33.9
127.5°	0.7	9.3	20.1	29.0	32.0
130°	0.7	8.6	19.3	27.5	30.5
132.5°	0.7	8.2	18.2	25.7	28.6
135°	0.7	7.4	17.1	24.2	27.2
137.5°	0.7	7.1	16.0	22.7	25.3
140°	0.7	6.7	14.5	21.2	23.8
142.5°	0.7	6.0	13.4	19.7	22.0
145°	0.7	5.6	11.9	18.2	20.1
147.5°	0.7	4.8	10.8	16.7	18.6
150°	0.7	4.5	9.7	15.3	17.1
152.5°	0.7	4.1	8.6	13.4	15.3
155°	0.7	3.7	7.8	11.5	13.8
157.5°	0.7	3.3	6.7	10.0	12.3
160°	1.1	3.0	6.0	8.6	10.4
162.5°	1.1	2.6	4.8	7.1	9.3
165°	1.1	2.6	4.1	5.6	7.8
167.5°	1.1	2.2	3.3	4.5	6.3
170°	1.1	1.9	3.0	3.3	4.8
172.5°	1.1	1.5	2.2	2.2	2.6
175°	1.1	1.5	1.9	1.9	1.1
177.5°	1.1	1.1	1.1	1.1	0.7
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)