

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: P566171

Luminaire Tested: **4SNX-22SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-22SL-SLW-UNV-L935-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

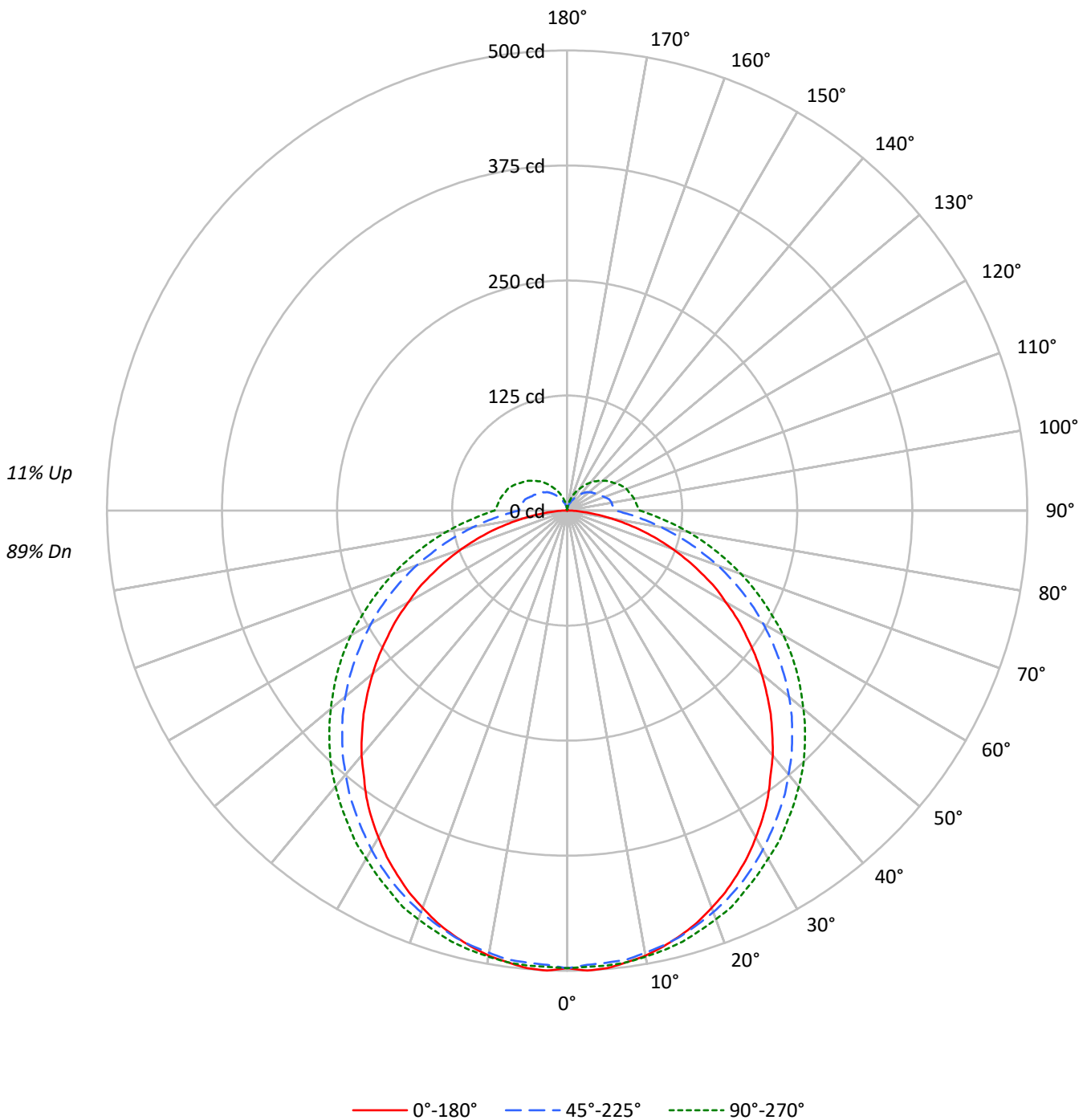
Lumens per Lamp: N/A  
Luminaire Lumens: 1770.0 lumens  
Efficiency: N/A  
Efficacy: 128.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

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

	0°	45°	90°
0°	5352	5352	5352
5°	5384	5214	5210
10°	5347	5109	5081
15°	5294	5000	4962
20°	5222	4877	4830
25°	5137	4756	4692
30°	5037	4622	4555
35°	4926	4484	4427
40°	4799	4348	4304
45°	4663	4209	4171
50°	4507	4062	4022
55°	4334	3887	3876
60°	4133	3698	3714
65°	3923	3488	3508
70°	3632	3255	3307
75°	3246	2959	3085
80°	2618	2657	2866
85°	1847	2399	2640



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.2	2.7
10°-20°	135.7	7.7
20°-30°	206.4	11.7
30°-40°	250.5	14.2
40°-50°	264.8	15.0
50°-60°	247.7	14.0
60°-70°	203.3	11.5
70°-80°	139.8	7.9
80°-90°	76.6	4.3
90°-100°	49.3	2.8
100°-110°	44.3	2.5
110°-120°	36.6	2.1
120°-130°	28.2	1.6
130°-140°	19.8	1.1
140°-150°	11.9	0.7
150°-160°	5.7	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	389.4	22.0
0°-40°	639.9	36.2
0°-60°	1152.4	65.1
0°-90°	1572.1	88.8
90°-120°	130.2	7.4
90°-150°	190.1	10.7
90°-180°	198.0	11.2
0°-180°	1770.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	497	497	497	497	497	
5°	499	498	493	497	496	47
15°	478	480	479	485	485	135
25°	437	442	447	456	456	201
35°	380	390	401	412	415	238
45°	313	327	346	361	365	241
55°	238	257	281	298	304	213
65°	161	182	210	230	236	159
75°	84	107	137	159	166	89
85°	18	44	75	95	102	21
90°	0	25	52	72	79	1
95°	0	24	50	69	76	0
105°	0	20	47	65	71	1
115°	1	17	40	57	65	1
125°	1	14	34	49	55	1
135°	1	11	28	40	45	1
145°	1	8	20	31	34	1
155°	1	5	12	20	23	0
165°	1	3	6	9	11	0
175°	1	1	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°	497.2	497.2	497.2	497.2	497.2
2.5°	500.3	499.2	494.1	498.2	496.2
5°	499.2	498.2	493.1	497.2	496.2
7.5°	495.1	495.1	492.1	496.2	495.1
10°	491.0	491.0	488.0	493.1	492.1
12.5°	484.9	485.9	483.9	490.0	489.0
15°	477.7	479.8	478.7	484.9	484.9
17.5°	469.5	471.6	471.6	478.7	478.7
20°	459.3	462.3	464.4	472.6	472.6
22.5°	449.0	453.1	456.2	463.4	466.4
25°	436.7	441.8	447.0	456.2	456.2
27.5°	424.4	430.6	436.7	445.9	447.0
30°	410.1	417.2	425.4	434.7	436.7
32.5°	395.7	404.9	413.1	424.4	427.5
35°	380.3	389.6	400.8	412.1	415.2
37.5°	362.9	374.2	388.5	400.8	403.9
40°	347.5	359.8	374.2	388.5	391.6
42.5°	330.1	343.4	360.9	374.2	379.3
45°	312.7	327.0	345.5	360.9	365.0
47.5°	294.2	310.6	331.1	345.5	350.6
50°	275.8	293.2	314.7	331.1	335.2
52.5°	257.3	275.8	298.3	314.7	319.8
55°	237.8	257.3	280.9	298.3	304.5
57.5°	219.4	238.9	263.5	281.9	288.1
60°	198.9	221.4	246.0	264.5	271.7
62.5°	181.5	202.0	228.6	247.1	253.2
65°	160.9	182.5	210.2	229.6	235.8
67.5°	141.5	164.0	191.7	212.2	218.4
70°	122.0	144.5	174.3	193.8	200.9
72.5°	102.5	126.1	154.8	176.3	183.5
75°	84.1	106.6	137.4	158.9	166.1
77.5°	64.6	89.2	119.9	141.5	149.7
80°	47.2	72.8	103.5	125.1	133.3
82.5°	31.8	57.4	88.2	109.7	117.9
85°	18.5	44.1	74.8	95.3	102.5
87.5°	9.2	33.8	62.5	83.0	90.2
90°	0.0	24.6	52.3	71.8	78.9
92.5°	0.0	23.6	51.3	69.7	76.9
95°	0.0	23.6	50.2	68.7	75.9
97.5°	0.0	22.6	49.2	68.7	74.8
100°	0.0	21.5	49.2	67.7	73.8
102.5°	0.0	20.5	48.2	66.6	72.8
105°	0.0	19.5	47.2	64.6	70.7
107.5°	1.0	19.5	45.1	63.6	69.7
110°	1.0	18.5	43.1	62.5	68.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.4	41.0	60.5	66.6
115°	1.0	17.4	40.0	57.4	64.6
117.5°	1.0	16.4	37.9	55.4	62.5
120°	1.0	16.4	36.9	53.3	59.5
122.5°	1.0	15.4	34.9	51.3	57.4
125°	1.0	14.4	33.8	49.2	55.4
127.5°	1.0	13.3	32.8	47.2	53.3
130°	1.0	12.3	30.8	45.1	50.2
132.5°	1.0	12.3	29.7	42.0	48.2
135°	1.0	11.3	27.7	40.0	45.1
137.5°	1.0	10.3	25.6	37.9	43.1
140°	1.0	9.2	23.6	35.9	40.0
142.5°	1.0	9.2	21.5	32.8	36.9
145°	1.0	8.2	19.5	30.8	33.8
147.5°	1.0	7.2	17.4	27.7	30.8
150°	1.0	7.2	15.4	24.6	27.7
152.5°	1.0	6.2	13.3	22.6	25.6
155°	1.0	5.1	12.3	19.5	22.6
157.5°	1.0	5.1	10.3	16.4	19.5
160°	1.0	4.1	9.2	13.3	16.4
162.5°	1.0	4.1	8.2	11.3	14.4
165°	1.0	3.1	6.2	9.2	11.3
167.5°	1.0	3.1	5.1	7.2	9.2
170°	1.0	2.1	4.1	5.1	7.2
172.5°	1.0	2.1	3.1	3.1	3.1
175°	1.0	1.0	2.1	2.1	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)