

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: P566161

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566161  
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-LW-UNV-L850-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

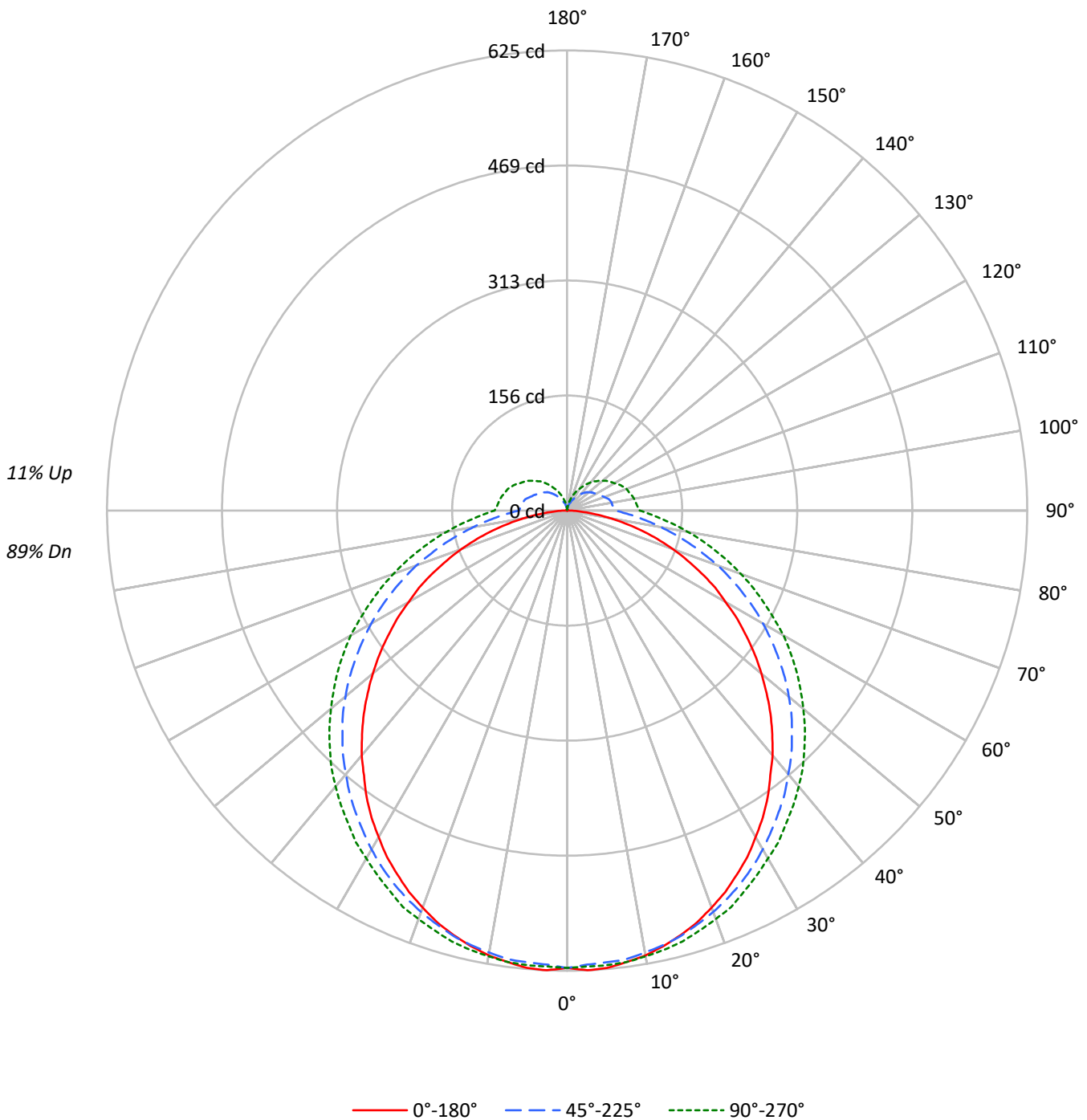
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2211.0 lumens  
Efficiency: N/A  
Efficacy: 160.2 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: 0.17')  
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

TEST NUMBER: P566161  
CATALOG NUMBER: 4SNX-22SL-LW-UNV-L850-CD

### 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°	6685	6685	6685
5°	6714	6376	6328
10°	6656	6121	6012
15°	6576	5875	5727
20°	6473	5620	5441
25°	6355	5375	5163
30°	6217	5123	4896
35°	6066	4871	4646
40°	5894	4624	4408
45°	5708	4377	4164
50°	5496	4122	3907
55°	5262	3839	3656
60°	4988	3542	3391
65°	4699	3223	3087
70°	4304	2883	2790
75°	3779	2487	2474
80°	2953	2087	2159
85°	1933	1717	1835



TEST NUMBER: P566161

CATALOG NUMBER: 4SNX-22SL-LW-UNV-L850-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.0	2.7
10°-20°	169.6	7.7
20°-30°	257.8	11.7
30°-40°	313.0	14.2
40°-50°	330.7	15.0
50°-60°	309.5	14.0
60°-70°	253.9	11.5
70°-80°	174.7	7.9
80°-90°	95.6	4.3
90°-100°	61.6	2.8
100°-110°	55.3	2.5
110°-120°	45.8	2.1
120°-130°	35.2	1.6
130°-140°	24.8	1.1
140°-150°	14.9	0.7
150°-160°	7.1	0.3
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	486.4	22.0
0°-40°	799.3	36.2
0°-60°	1439.5	65.1
0°-90°	1963.7	88.8
90°-120°	162.6	7.4
90°-150°	237.5	10.7
90°-180°	247.0	11.2
0°-180°	2211.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	621	621	621	621	621	
5°	624	622	616	621	620	59
15°	597	599	598	606	606	168
25°	546	552	558	570	570	251
35°	475	487	501	515	519	297
45°	391	408	432	451	456	301
55°	297	321	351	373	380	266
65°	201	228	262	287	294	199
75°	105	133	172	198	208	111
85°	23	55	94	119	128	27
90°	0	31	65	90	99	2
95°	0	30	63	86	95	0
105°	0	24	59	81	88	1
115°	1	22	50	72	81	1
125°	1	18	42	62	69	1
135°	1	14	35	50	56	1
145°	1	10	24	38	42	1
155°	1	6	15	24	28	1
165°	1	4	8	12	14	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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CATALOG NUMBER: 4SNX-22SL-LW-UNV-L850-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	621.1	621.1	621.1	621.1	621.1
2.5°	624.9	623.6	617.2	622.4	619.8
5°	623.6	622.4	616.0	621.1	619.8
7.5°	618.5	618.5	614.7	619.8	618.5
10°	613.4	613.4	609.5	616.0	614.7
12.5°	605.7	607.0	604.4	612.1	610.8
15°	596.7	599.3	598.0	605.7	605.7
17.5°	586.5	589.1	589.1	598.0	598.0
20°	573.7	577.5	580.1	590.3	590.3
22.5°	560.9	566.0	569.9	578.8	582.7
25°	545.5	551.9	558.3	569.9	569.9
27.5°	530.2	537.8	545.5	557.0	558.3
30°	512.2	521.2	531.4	543.0	545.5
32.5°	494.3	505.8	516.1	530.2	534.0
35°	475.1	486.6	500.7	514.8	518.6
37.5°	453.3	467.4	485.3	500.7	504.5
40°	434.1	449.5	467.4	485.3	489.2
42.5°	412.3	429.0	450.8	467.4	473.8
45°	390.6	408.5	431.6	450.8	455.9
47.5°	367.5	388.0	413.6	431.6	438.0
50°	344.5	366.2	393.1	413.6	418.7
52.5°	321.4	344.5	372.6	393.1	399.5
55°	297.1	321.4	350.9	372.6	380.3
57.5°	274.0	298.4	329.1	352.2	359.8
60°	248.4	276.6	307.3	330.4	339.4
62.5°	226.7	252.3	285.6	308.6	316.3
65°	201.0	227.9	262.5	286.8	294.5
67.5°	176.7	204.9	239.5	265.1	272.8
70°	152.4	180.6	217.7	242.0	251.0
72.5°	128.1	157.5	193.4	220.3	229.2
75°	105.0	133.2	171.6	198.5	207.5
77.5°	80.7	111.4	149.8	176.7	187.0
80°	58.9	90.9	129.3	156.2	166.5
82.5°	39.7	71.7	110.1	137.0	147.3
85°	23.1	55.1	93.5	119.1	128.1
87.5°	11.5	42.3	78.1	103.7	112.7
90°	0.0	30.7	65.3	89.6	98.6
92.5°	0.0	29.5	64.0	87.1	96.0
95°	0.0	29.5	62.7	85.8	94.8
97.5°	0.0	28.2	61.5	85.8	93.5
100°	0.0	26.9	61.5	84.5	92.2
102.5°	0.0	25.6	60.2	83.2	90.9
105°	0.0	24.3	58.9	80.7	88.4
107.5°	1.3	24.3	56.3	79.4	87.1
110°	1.3	23.1	53.8	78.1	85.8



TEST NUMBER: P566161

CATALOG NUMBER: 4SNX-22SL-LW-UNV-L850-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.8	51.2	75.6	83.2
115°	1.3	21.8	49.9	71.7	80.7
117.5°	1.3	20.5	47.4	69.2	78.1
120°	1.3	20.5	46.1	66.6	74.3
122.5°	1.3	19.2	43.5	64.0	71.7
125°	1.3	17.9	42.3	61.5	69.2
127.5°	1.3	16.6	41.0	58.9	66.6
130°	1.3	15.4	38.4	56.3	62.7
132.5°	1.3	15.4	37.1	52.5	60.2
135°	1.3	14.1	34.6	49.9	56.3
137.5°	1.3	12.8	32.0	47.4	53.8
140°	1.3	11.5	29.5	44.8	49.9
142.5°	1.3	11.5	26.9	41.0	46.1
145°	1.3	10.2	24.3	38.4	42.3
147.5°	1.3	9.0	21.8	34.6	38.4
150°	1.3	9.0	19.2	30.7	34.6
152.5°	1.3	7.7	16.6	28.2	32.0
155°	1.3	6.4	15.4	24.3	28.2
157.5°	1.3	6.4	12.8	20.5	24.3
160°	1.3	5.1	11.5	16.6	20.5
162.5°	1.3	5.1	10.2	14.1	17.9
165°	1.3	3.8	7.7	11.5	14.1
167.5°	1.3	3.8	6.4	9.0	11.5
170°	1.3	2.6	5.1	6.4	9.0
172.5°	1.3	2.6	3.8	3.8	3.8
175°	1.3	1.3	2.6	2.6	1.3
177.5°	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)