

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: P565629

Luminaire Tested: **2SNX-25SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565629  
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: 2SNX-25SL-SLW-UNV-L850-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

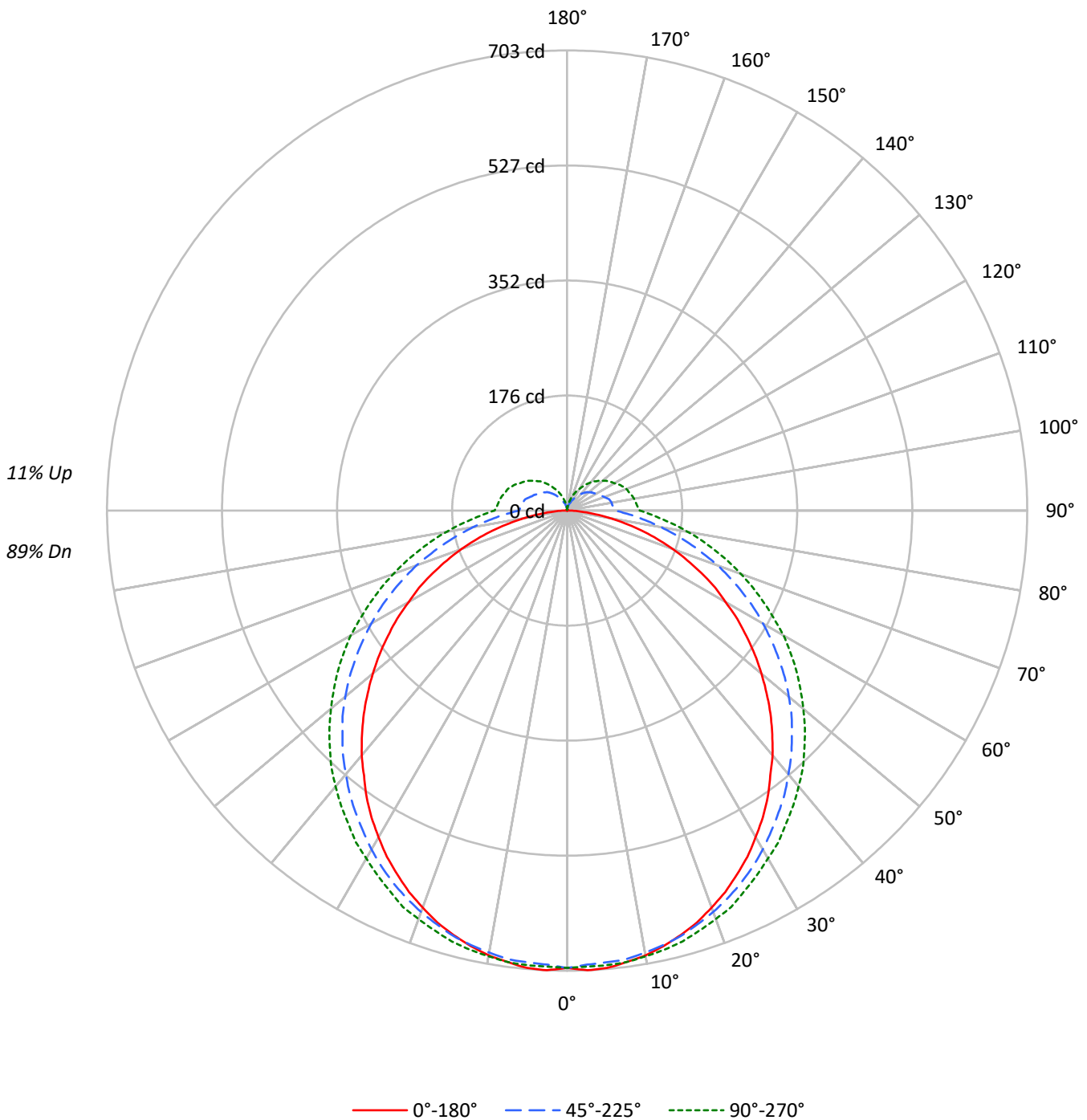
Lumens per Lamp: N/A  
Luminaire Lumens: 2487.0 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 17.5  
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	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°	15039	15039	15039
5°	15105	14633	14641
10°	14974	14320	14278
15°	14795	14002	13944
20°	14563	13637	13572
25°	14298	13281	13185
30°	13988	12894	12800
35°	13648	12491	12440
40°	13261	12096	12093
45°	12842	11690	11721
50°	12366	11264	11302
55°	11842	10757	10892
60°	11223	10213	10434
65°	10576	9603	9858
70°	9684	8933	9293
75°	8506	8085	8667
80°	6654	7222	8055
85°	4339	6466	7418



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.4	2.7
10°-20°	190.7	7.7
20°-30°	290.0	11.7
30°-40°	352.0	14.2
40°-50°	372.0	15.0
50°-60°	348.1	14.0
60°-70°	285.6	11.5
70°-80°	196.5	7.9
80°-90°	107.6	4.3
90°-100°	69.3	2.8
100°-110°	62.2	2.5
110°-120°	51.5	2.1
120°-130°	39.6	1.6
130°-140°	27.8	1.1
140°-150°	16.8	0.7
150°-160°	8.0	0.3
160°-170°	2.6	0.1
170°-180°	0.3	0.0
0°-30°	547.1	22.0
0°-40°	899.1	36.2
0°-60°	1619.2	65.1
0°-90°	2208.9	88.8
90°-120°	182.9	7.4
90°-150°	267.1	10.7
90°-180°	278.0	11.2
0°-180°	2487.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	699	699	699	699	699	
5°	702	700	693	699	697	67
15°	671	674	673	681	681	189
25°	614	621	628	641	641	283
35°	534	547	563	579	583	334
45°	439	460	485	507	513	339
55°	334	362	395	419	428	299
65°	226	256	295	323	331	224
75°	118	150	193	223	233	124
85°	26	62	105	134	144	30
90°	0	35	74	101	111	2
95°	0	33	71	96	107	0
105°	0	27	66	91	99	1
115°	1	24	56	81	91	1
125°	1	20	48	69	78	1
135°	1	16	39	56	63	1
145°	1	12	27	43	48	1
155°	1	7	17	27	32	1
165°	1	4	9	13	16	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	698.6	698.6	698.6	698.6	698.6
2.5°	702.9	701.5	694.3	700.0	697.2
5°	701.5	700.0	692.8	698.6	697.2
7.5°	695.7	695.7	691.4	697.2	695.7
10°	690.0	690.0	685.6	692.8	691.4
12.5°	681.3	682.8	679.9	688.5	687.1
15°	671.2	674.1	672.7	681.3	681.3
17.5°	659.7	662.6	662.6	672.7	672.7
20°	645.3	649.6	652.5	664.0	664.0
22.5°	630.9	636.7	641.0	651.1	655.4
25°	613.6	620.8	628.0	641.0	641.0
27.5°	596.3	605.0	613.6	626.6	628.0
30°	576.2	586.3	597.8	610.7	613.6
32.5°	556.0	569.0	580.5	596.3	600.7
35°	534.4	547.4	563.2	579.0	583.4
37.5°	509.9	525.8	545.9	563.2	567.5
40°	488.3	505.6	525.8	545.9	550.2
42.5°	463.8	482.5	507.0	525.8	533.0
45°	439.3	459.5	485.4	507.0	512.8
47.5°	413.4	436.4	465.3	485.4	492.6
50°	387.5	412.0	442.2	465.3	471.0
52.5°	361.5	387.5	419.2	442.2	449.4
55°	334.2	361.5	394.7	419.2	427.8
57.5°	308.3	335.6	370.2	396.1	404.8
60°	279.4	311.1	345.7	371.6	381.7
62.5°	255.0	283.8	321.2	347.1	355.8
65°	226.1	256.4	295.3	322.7	331.3
67.5°	198.8	230.5	269.4	298.2	306.8
70°	171.4	203.1	244.9	272.2	282.3
72.5°	144.0	177.2	217.5	247.8	257.8
75°	118.1	149.8	193.0	223.3	233.3
77.5°	90.7	125.3	168.5	198.8	210.3
80°	66.3	102.3	145.5	175.7	187.3
82.5°	44.7	80.7	123.9	154.1	165.6
85°	25.9	61.9	105.2	134.0	144.0
87.5°	13.0	47.5	87.9	116.7	126.8
90°	0.0	34.6	73.5	100.8	110.9
92.5°	0.0	33.1	72.0	97.9	108.0
95°	0.0	33.1	70.6	96.5	106.6
97.5°	0.0	31.7	69.1	96.5	105.2
100°	0.0	30.2	69.1	95.1	103.7
102.5°	0.0	28.8	67.7	93.6	102.3
105°	0.0	27.4	66.3	90.7	99.4
107.5°	1.4	27.4	63.4	89.3	97.9
110°	1.4	25.9	60.5	87.9	96.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	24.5	57.6	85.0	93.6
115°	1.4	24.5	56.2	80.7	90.7
117.5°	1.4	23.0	53.3	77.8	87.9
120°	1.4	23.0	51.9	74.9	83.5
122.5°	1.4	21.6	49.0	72.0	80.7
125°	1.4	20.2	47.5	69.1	77.8
127.5°	1.4	18.7	46.1	66.3	74.9
130°	1.4	17.3	43.2	63.4	70.6
132.5°	1.4	17.3	41.8	59.1	67.7
135°	1.4	15.8	38.9	56.2	63.4
137.5°	1.4	14.4	36.0	53.3	60.5
140°	1.4	13.0	33.1	50.4	56.2
142.5°	1.4	13.0	30.2	46.1	51.9
145°	1.4	11.5	27.4	43.2	47.5
147.5°	1.4	10.1	24.5	38.9	43.2
150°	1.4	10.1	21.6	34.6	38.9
152.5°	1.4	8.6	18.7	31.7	36.0
155°	1.4	7.2	17.3	27.4	31.7
157.5°	1.4	7.2	14.4	23.0	27.4
160°	1.4	5.8	13.0	18.7	23.0
162.5°	1.4	5.8	11.5	15.8	20.2
165°	1.4	4.3	8.6	13.0	15.8
167.5°	1.4	4.3	7.2	10.1	13.0
170°	1.4	2.9	5.8	7.2	10.1
172.5°	1.4	2.9	4.3	4.3	4.3
175°	1.4	1.4	2.9	2.9	1.4
177.5°	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)