

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: P565601

Luminaire Tested: **2SNX-25SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565601  
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: 2SNX-25SL-FDL-UNV-L950-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

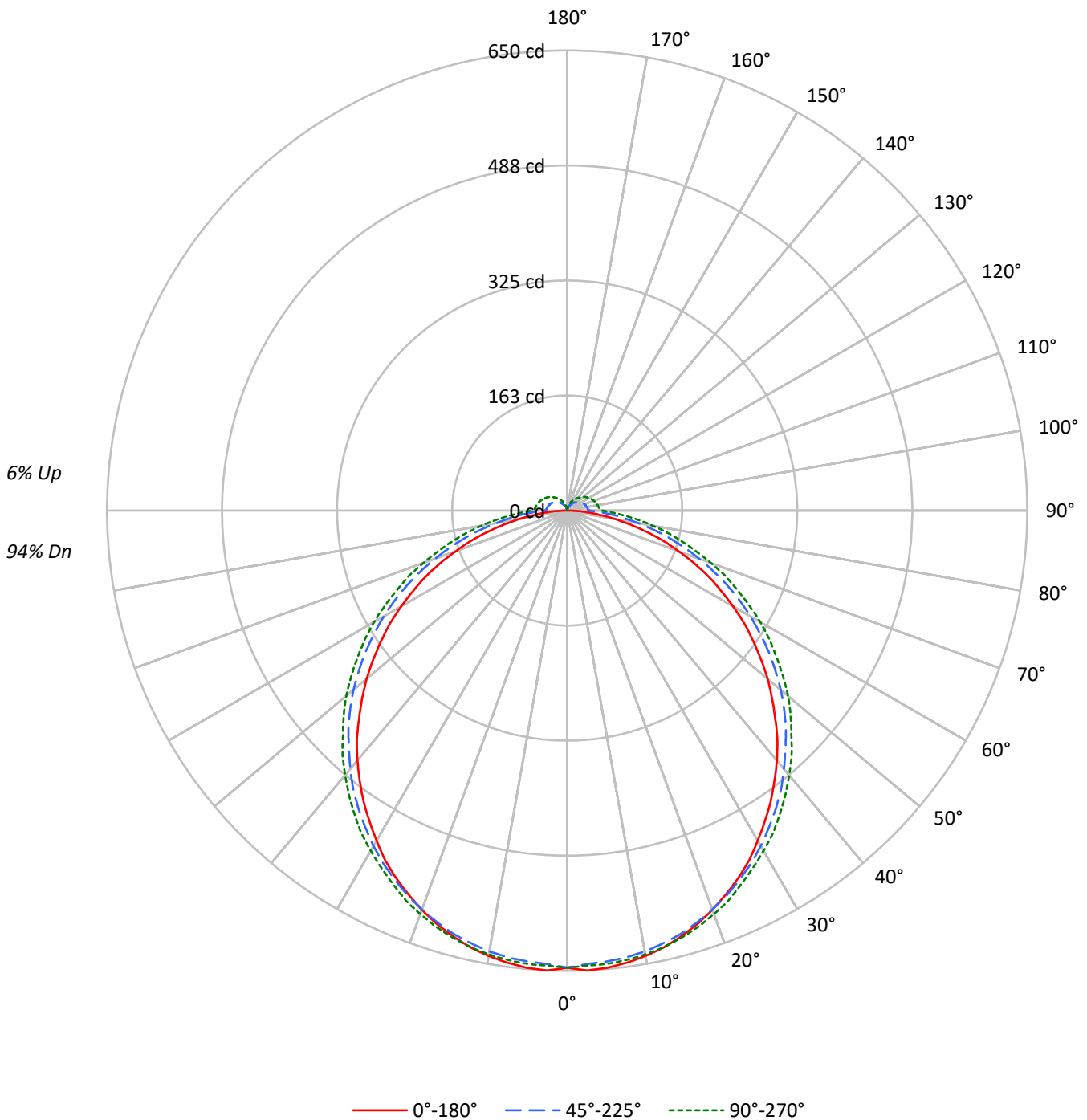
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2052.0 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')  
CIE Type: 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

TEST NUMBER: P565601  
CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L950-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	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°	13901	13901	13901
5°	13984	13661	13691
10°	13913	13506	13519
15°	13797	13327	13326
20°	13640	13111	13100
25°	13463	12876	12830
30°	13227	12635	12583
35°	12990	12356	12322
40°	12727	12048	12031
45°	12398	11742	11691
50°	12079	11392	11381
55°	11682	10963	10950
60°	11237	10473	10528
65°	10757	9888	9941
70°	9954	9154	9334
75°	8976	8291	8610
80°	7539	7147	7807
85°	5646	6137	6862



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.2	3.0
10°-20°	175.7	8.6
20°-30°	266.3	13.0
30°-40°	321.5	15.7
40°-50°	335.7	16.4
50°-60°	308.4	15.0
60°-70°	243.9	11.9
70°-80°	154.3	7.5
80°-90°	66.3	3.2
90°-100°	29.2	1.4
100°-110°	26.1	1.3
110°-120°	22.1	1.1
120°-130°	17.2	0.8
130°-140°	11.9	0.6
140°-150°	7.1	0.3
150°-160°	3.5	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	503.3	24.5
0°-40°	824.7	40.2
0°-60°	1468.9	71.6
0°-90°	1933.4	94.2
90°-120°	77.4	3.8
90°-150°	113.7	5.5
90°-180°	119.0	5.8
0°-180°	2052.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	646	646	646	646	646	
5°	648	646	640	645	643	62
15°	622	622	619	626	625	176
25°	572	575	576	583	582	264
35°	502	507	514	522	524	314
45°	416	426	437	445	448	321
55°	320	334	347	359	361	287
65°	221	233	249	261	265	217
75°	116	130	149	162	168	123
85°	28	44	62	76	81	31
90°	2	16	32	45	49	2
95°	0	13	29	41	45	0
105°	0	12	27	38	42	0
115°	0	10	25	34	38	0
125°	1	9	21	30	33	1
135°	1	7	17	24	26	1
145°	1	6	12	18	20	0
155°	1	4	8	11	13	0
165°	1	2	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°	645.7	645.7	645.7	645.7	645.7
2.5°	650.4	648.3	641.0	646.1	643.5
5°	648.3	646.5	639.5	645.0	642.8
7.5°	644.3	642.8	636.6	642.5	640.3
10°	638.8	637.7	632.3	638.1	636.6
12.5°	631.9	631.6	626.1	632.6	631.6
15°	622.5	622.5	619.2	625.7	624.6
17.5°	612.3	612.7	610.1	617.0	616.3
20°	599.9	601.8	599.9	607.2	606.5
22.5°	586.5	589.0	588.3	595.6	595.9
25°	572.3	574.9	575.6	583.2	582.1
27.5°	556.7	560.7	562.1	569.1	568.7
30°	538.5	544.0	547.2	553.1	554.9
32.5°	520.0	526.5	530.5	538.5	540.7
35°	501.5	507.3	513.8	521.8	523.6
37.5°	481.1	487.7	496.4	504.0	506.2
40°	460.8	468.0	476.4	484.7	488.0
42.5°	439.7	447.3	456.4	466.2	469.5
45°	415.7	425.9	436.8	445.1	448.0
47.5°	392.8	404.1	415.7	424.8	428.1
50°	369.6	381.5	393.9	402.3	407.3
52.5°	345.2	358.3	370.6	381.2	384.5
55°	320.5	333.6	347.4	358.7	361.2
57.5°	296.5	309.2	323.0	333.6	338.7
60°	270.4	284.2	299.1	309.6	315.1
62.5°	244.9	258.4	274.4	285.6	290.0
65°	220.6	232.9	249.3	260.9	264.9
67.5°	193.7	207.9	223.5	236.9	242.0
70°	167.2	180.6	198.4	211.1	216.2
72.5°	142.4	155.5	173.3	186.1	190.8
75°	116.3	130.1	149.0	161.7	167.9
77.5°	91.2	106.5	124.6	138.4	145.4
80°	68.0	81.4	101.0	116.3	122.5
82.5°	46.1	60.7	81.0	95.2	102.1
85°	28.3	43.6	62.5	75.9	80.7
87.5°	13.4	28.0	45.4	58.5	64.3
90°	1.8	15.6	32.0	44.7	49.4
92.5°	0.4	13.4	29.4	41.4	45.8
95°	0.4	13.4	29.1	40.7	45.1
97.5°	0.4	13.1	28.7	40.3	44.3
100°	0.4	12.7	28.3	39.6	44.0
102.5°	0.4	12.7	27.6	38.9	42.9
105°	0.4	12.4	27.3	38.2	42.2
107.5°	0.4	12.0	26.5	37.4	41.4
110°	0.4	11.3	26.2	36.3	40.3



TEST NUMBER: P565601

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	10.9	25.4	35.6	39.2
115°	0.4	10.5	24.7	34.5	38.2
117.5°	0.4	10.2	23.6	33.4	37.1
120°	0.7	10.2	22.9	32.3	35.6
122.5°	0.7	9.8	21.8	30.9	34.2
125°	0.7	9.4	20.7	29.8	33.1
127.5°	0.7	9.1	19.6	28.3	31.3
130°	0.7	8.4	18.9	26.9	29.8
132.5°	0.7	8.0	17.8	25.1	28.0
135°	0.7	7.3	16.7	23.6	26.5
137.5°	0.7	6.9	15.6	22.2	24.7
140°	0.7	6.5	14.2	20.7	23.3
142.5°	0.7	5.8	13.1	19.3	21.4
145°	0.7	5.5	11.6	17.8	19.6
147.5°	0.7	4.7	10.5	16.4	18.2
150°	0.7	4.4	9.4	14.9	16.7
152.5°	0.7	4.0	8.4	13.1	14.9
155°	0.7	3.6	7.6	11.3	13.4
157.5°	0.7	3.3	6.5	9.8	12.0
160°	1.1	2.9	5.8	8.4	10.2
162.5°	1.1	2.5	4.7	6.9	9.1
165°	1.1	2.5	4.0	5.5	7.6
167.5°	1.1	2.2	3.3	4.4	6.2
170°	1.1	1.8	2.9	3.3	4.7
172.5°	1.1	1.5	2.2	2.2	2.5
175°	1.1	1.5	1.8	1.8	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)