

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: P565628

Luminaire Tested: **2SNX-25SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565628  
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-L840-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

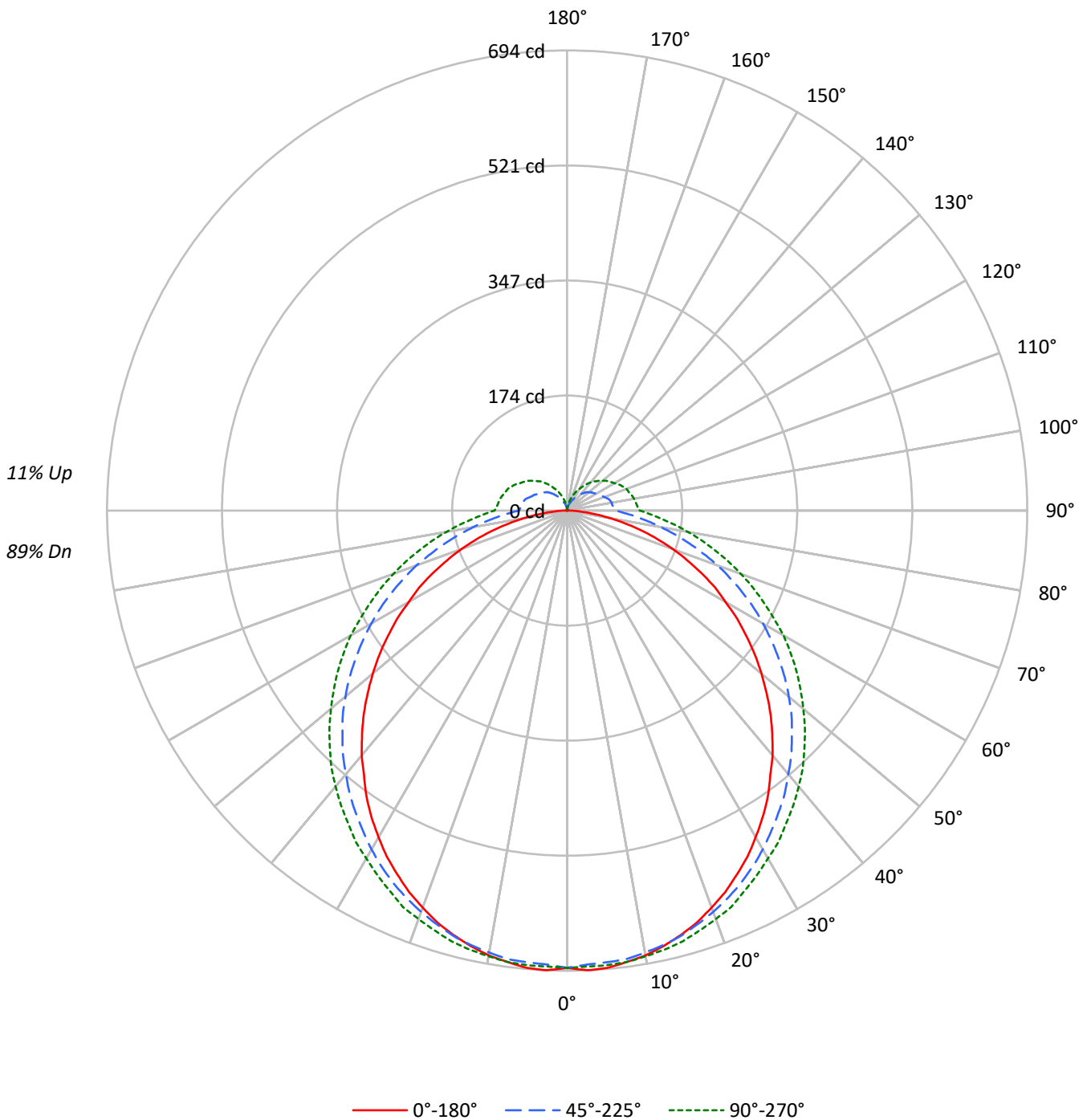
Lumens per Lamp: N/A  
Luminaire Lumens: 2455.0 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 17.5  
Input Voltage (V): NR  
Input Current (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	77	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°	14846	14846	14846
5°	14911	14445	14452
10°	14781	14136	14094
15°	14605	13821	13766
20°	14376	13462	13398
25°	14114	13110	13014
30°	13808	12728	12635
35°	13472	12332	12280
40°	13090	11939	11939
45°	12678	11541	11570
50°	12207	11119	11158
55°	11689	10618	10752
60°	11078	10083	10300
65°	10440	9480	9730
70°	9560	8816	9174
75°	8398	7980	8555
80°	6563	7127	7947
85°	4289	6380	7325



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.5	2.7
10°-20°	188.3	7.7
20°-30°	286.3	11.7
30°-40°	347.5	14.2
40°-50°	367.2	15.0
50°-60°	343.6	14.0
60°-70°	281.9	11.5
70°-80°	193.9	7.9
80°-90°	106.2	4.3
90°-100°	68.4	2.8
100°-110°	61.4	2.5
110°-120°	50.8	2.1
120°-130°	39.1	1.6
130°-140°	27.5	1.1
140°-150°	16.6	0.7
150°-160°	7.9	0.3
160°-170°	2.6	0.1
170°-180°	0.3	0.0
0°-30°	540.0	22.0
0°-40°	887.6	36.2
0°-60°	1598.4	65.1
0°-90°	2180.5	88.8
90°-120°	180.6	7.4
90°-150°	263.7	10.7
90°-180°	275.0	11.2
0°-180°	2455.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	690	690	690	690	690	
5°	692	691	684	690	688	66
15°	663	665	664	673	673	187
25°	606	613	620	633	633	279
35°	528	540	556	572	576	330
45°	434	454	479	500	506	334
55°	330	357	390	414	422	295
65°	223	253	292	318	327	221
75°	117	148	190	220	230	123
85°	26	61	104	132	142	30
90°	0	34	72	100	110	2
95°	0	33	70	95	105	0
105°	0	27	65	90	98	1
115°	1	24	56	80	90	1
125°	1	20	47	68	77	1
135°	1	16	38	56	63	1
145°	1	11	27	43	47	1
155°	1	7	17	27	31	1
165°	1	4	8	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°	689.6	689.6	689.6	689.6	689.6
2.5°	693.9	692.5	685.3	691.0	688.2
5°	692.5	691.0	683.9	689.6	688.2
7.5°	686.8	686.8	682.5	688.2	686.8
10°	681.1	681.1	676.8	683.9	682.5
12.5°	672.6	674.0	671.1	679.7	678.2
15°	662.6	665.4	664.0	672.6	672.6
17.5°	651.2	654.1	654.1	664.0	664.0
20°	637.0	641.3	644.1	655.5	655.5
22.5°	622.8	628.5	632.7	642.7	647.0
25°	605.7	612.8	619.9	632.7	632.7
27.5°	588.7	597.2	605.7	618.5	619.9
30°	568.8	578.7	590.1	602.9	605.7
32.5°	548.8	561.6	573.0	588.7	592.9
35°	527.5	540.3	556.0	571.6	575.9
37.5°	503.3	519.0	538.9	556.0	560.2
40°	482.0	499.1	519.0	538.9	543.2
42.5°	457.8	476.3	500.5	519.0	526.1
45°	433.7	453.6	479.2	500.5	506.2
47.5°	408.1	430.8	459.3	479.2	486.3
50°	382.5	406.7	436.5	459.3	465.0
52.5°	356.9	382.5	413.8	436.5	443.6
55°	329.9	356.9	389.6	413.8	422.3
57.5°	304.3	331.3	365.4	391.0	399.6
60°	275.8	307.1	341.3	366.8	376.8
62.5°	251.7	280.1	317.1	342.7	351.2
65°	223.2	253.1	291.5	318.5	327.0
67.5°	196.2	227.5	265.9	294.3	302.9
70°	169.2	200.5	241.7	268.7	278.7
72.5°	142.2	174.9	214.7	244.6	254.5
75°	116.6	147.9	190.5	220.4	230.3
77.5°	89.6	123.7	166.4	196.2	207.6
80°	65.4	101.0	143.6	173.5	184.8
82.5°	44.1	79.6	122.3	152.1	163.5
85°	25.6	61.1	103.8	132.2	142.2
87.5°	12.8	46.9	86.7	115.2	125.1
90°	0.0	34.1	72.5	99.5	109.5
92.5°	0.0	32.7	71.1	96.7	106.6
95°	0.0	32.7	69.7	95.3	105.2
97.5°	0.0	31.3	68.3	95.3	103.8
100°	0.0	29.9	68.3	93.8	102.4
102.5°	0.0	28.4	66.8	92.4	101.0
105°	0.0	27.0	65.4	89.6	98.1
107.5°	1.4	27.0	62.6	88.2	96.7
110°	1.4	25.6	59.7	86.7	95.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	24.2	56.9	83.9	92.4
115°	1.4	24.2	55.5	79.6	89.6
117.5°	1.4	22.8	52.6	76.8	86.7
120°	1.4	22.8	51.2	73.9	82.5
122.5°	1.4	21.3	48.3	71.1	79.6
125°	1.4	19.9	46.9	68.3	76.8
127.5°	1.4	18.5	45.5	65.4	73.9
130°	1.4	17.1	42.7	62.6	69.7
132.5°	1.4	17.1	41.2	58.3	66.8
135°	1.4	15.6	38.4	55.5	62.6
137.5°	1.4	14.2	35.5	52.6	59.7
140°	1.4	12.8	32.7	49.8	55.5
142.5°	1.4	12.8	29.9	45.5	51.2
145°	1.4	11.4	27.0	42.7	46.9
147.5°	1.4	10.0	24.2	38.4	42.7
150°	1.4	10.0	21.3	34.1	38.4
152.5°	1.4	8.5	18.5	31.3	35.5
155°	1.4	7.1	17.1	27.0	31.3
157.5°	1.4	7.1	14.2	22.8	27.0
160°	1.4	5.7	12.8	18.5	22.8
162.5°	1.4	5.7	11.4	15.6	19.9
165°	1.4	4.3	8.5	12.8	15.6
167.5°	1.4	4.3	7.1	10.0	12.8
170°	1.4	2.8	5.7	7.1	10.0
172.5°	1.4	2.8	4.3	4.3	4.3
175°	1.4	1.4	2.8	2.8	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)