

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: P565627

Luminaire Tested: **2SNX-25SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565627  
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-L835-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

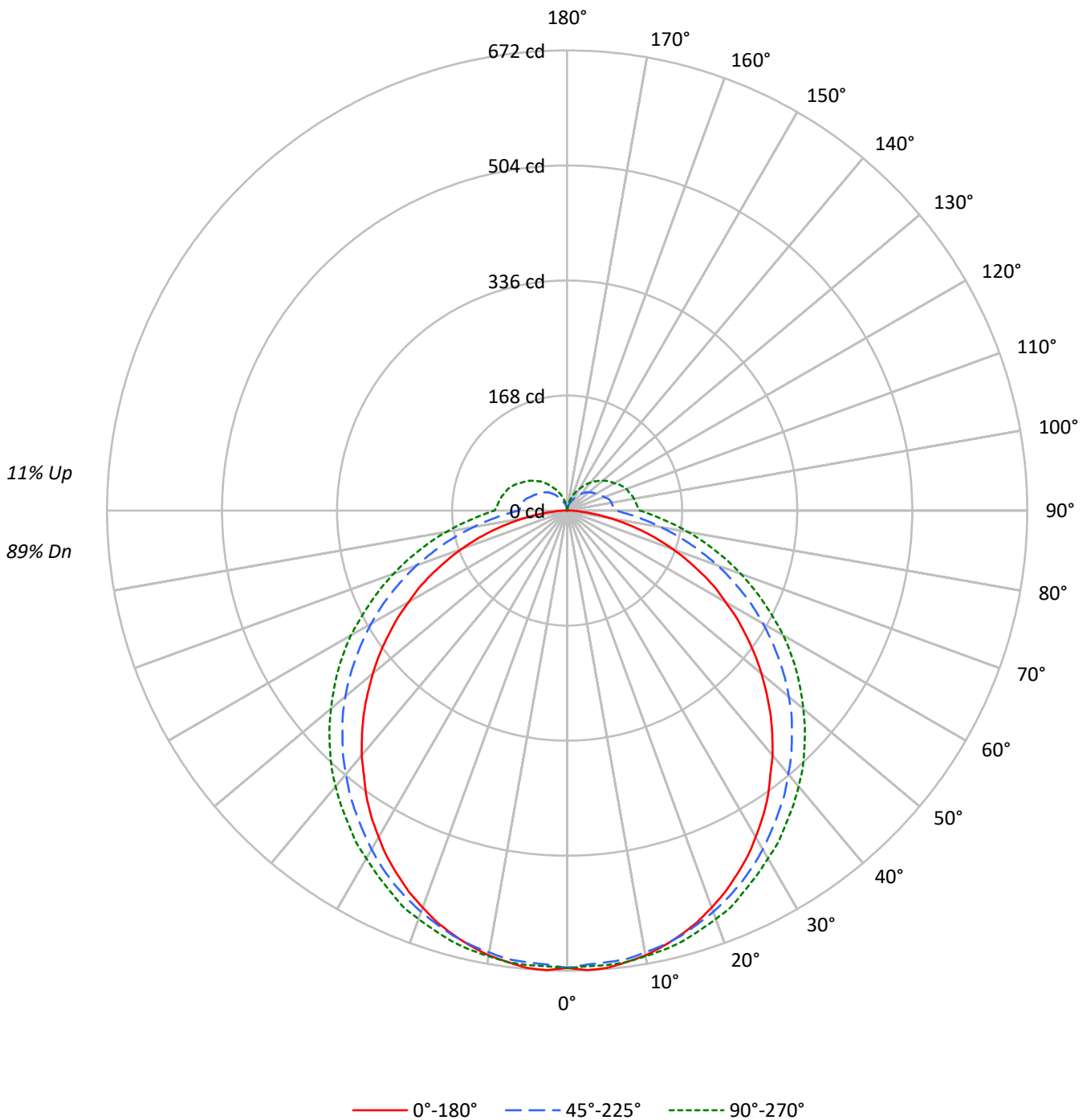
Lumens per Lamp: N/A  
Luminaire Lumens: 2377.0 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

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	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°	14374	14374	14374
5°	14437	13987	13992
10°	14310	13687	13646
15°	14140	13382	13328
20°	13920	13036	12973
25°	13667	12693	12601
30°	13369	12323	12234
35°	13045	11939	11890
40°	12674	11560	11559
45°	12274	11175	11202
50°	11817	10768	10803
55°	11317	10280	10411
60°	10729	9761	9972
65°	10108	9177	9420
70°	9255	8535	8881
75°	8131	7729	8284
80°	6352	6899	7698
85°	4155	6177	7094



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.4	2.7
10°-20°	182.3	7.7
20°-30°	277.2	11.7
30°-40°	336.5	14.2
40°-50°	355.6	15.0
50°-60°	332.7	14.0
60°-70°	273.0	11.5
70°-80°	187.8	7.9
80°-90°	102.8	4.3
90°-100°	66.2	2.8
100°-110°	59.4	2.5
110°-120°	49.2	2.1
120°-130°	37.9	1.6
130°-140°	26.6	1.1
140°-150°	16.0	0.7
150°-160°	7.7	0.3
160°-170°	2.5	0.1
170°-180°	0.3	0.0
0°-30°	522.9	22.0
0°-40°	859.4	36.2
0°-60°	1547.6	65.1
0°-90°	2111.2	88.8
90°-120°	174.8	7.4
90°-150°	255.3	10.7
90°-180°	266.0	11.2
0°-180°	2377.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	668	668	668	668	668	
5°	670	669	662	668	666	64
15°	642	644	643	651	651	181
25°	586	593	600	613	613	270
35°	511	523	538	553	558	319
45°	420	439	464	485	490	324
55°	319	346	377	401	409	286
65°	216	245	282	308	317	214
75°	113	143	184	213	223	119
85°	25	59	100	128	138	29
90°	0	33	70	96	106	2
95°	0	32	68	92	102	0
105°	0	26	63	87	95	1
115°	1	23	54	77	87	1
125°	1	19	45	66	74	1
135°	1	15	37	54	61	1
145°	1	11	26	41	45	1
155°	1	7	16	26	30	1
165°	1	4	8	12	15	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°	667.7	667.7	667.7	667.7	667.7
2.5°	671.8	670.5	663.6	669.1	666.3
5°	670.5	669.1	662.2	667.7	666.3
7.5°	665.0	665.0	660.8	666.3	665.0
10°	659.4	659.4	655.3	662.2	660.8
12.5°	651.2	652.6	649.8	658.1	656.7
15°	641.5	644.3	642.9	651.2	651.2
17.5°	630.5	633.3	633.3	642.9	642.9
20°	616.8	620.9	623.7	634.7	634.7
22.5°	603.0	608.5	612.6	622.3	626.4
25°	586.5	593.4	600.2	612.6	612.6
27.5°	570.0	578.2	586.5	598.9	600.2
30°	550.7	560.3	571.3	583.7	586.5
32.5°	531.4	543.8	554.8	570.0	574.1
35°	510.8	523.2	538.3	553.4	557.6
37.5°	487.4	502.5	521.8	538.3	542.4
40°	466.7	483.2	502.5	521.8	525.9
42.5°	443.3	461.2	484.6	502.5	509.4
45°	419.9	439.2	464.0	484.6	490.1
47.5°	395.1	417.1	444.7	464.0	470.8
50°	370.3	393.7	422.7	444.7	450.2
52.5°	345.6	370.3	400.6	422.7	429.5
55°	319.4	345.6	377.2	400.6	408.9
57.5°	294.6	320.8	353.8	378.6	386.9
60°	267.1	297.4	330.4	355.2	364.8
62.5°	243.7	271.2	307.0	331.8	340.0
65°	216.1	245.1	282.2	308.4	316.6
67.5°	190.0	220.3	257.4	285.0	293.2
70°	163.8	194.1	234.0	260.2	269.8
72.5°	137.7	169.3	207.9	236.8	246.4
75°	112.9	143.2	184.5	213.4	223.0
77.5°	86.7	119.8	161.1	190.0	201.0
80°	63.3	97.7	139.0	168.0	179.0
82.5°	42.7	77.1	118.4	147.3	158.3
85°	24.8	59.2	100.5	128.0	137.7
87.5°	12.4	45.4	84.0	111.5	121.2
90°	0.0	33.0	70.2	96.4	106.0
92.5°	0.0	31.7	68.8	93.6	103.3
95°	0.0	31.7	67.5	92.2	101.9
97.5°	0.0	30.3	66.1	92.2	100.5
100°	0.0	28.9	66.1	90.9	99.1
102.5°	0.0	27.5	64.7	89.5	97.7
105°	0.0	26.2	63.3	86.7	95.0
107.5°	1.4	26.2	60.6	85.4	93.6
110°	1.4	24.8	57.8	84.0	92.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	23.4	55.1	81.2	89.5
115°	1.4	23.4	53.7	77.1	86.7
117.5°	1.4	22.0	50.9	74.3	84.0
120°	1.4	22.0	49.6	71.6	79.8
122.5°	1.4	20.7	46.8	68.8	77.1
125°	1.4	19.3	45.4	66.1	74.3
127.5°	1.4	17.9	44.1	63.3	71.6
130°	1.4	16.5	41.3	60.6	67.5
132.5°	1.4	16.5	39.9	56.4	64.7
135°	1.4	15.1	37.2	53.7	60.6
137.5°	1.4	13.8	34.4	50.9	57.8
140°	1.4	12.4	31.7	48.2	53.7
142.5°	1.4	12.4	28.9	44.1	49.6
145°	1.4	11.0	26.2	41.3	45.4
147.5°	1.4	9.6	23.4	37.2	41.3
150°	1.4	9.6	20.7	33.0	37.2
152.5°	1.4	8.3	17.9	30.3	34.4
155°	1.4	6.9	16.5	26.2	30.3
157.5°	1.4	6.9	13.8	22.0	26.2
160°	1.4	5.5	12.4	17.9	22.0
162.5°	1.4	5.5	11.0	15.1	19.3
165°	1.4	4.1	8.3	12.4	15.1
167.5°	1.4	4.1	6.9	9.6	12.4
170°	1.4	2.8	5.5	6.9	9.6
172.5°	1.4	2.8	4.1	4.1	4.1
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)