

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: P565619

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565619  
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-LW-UNV-L835-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

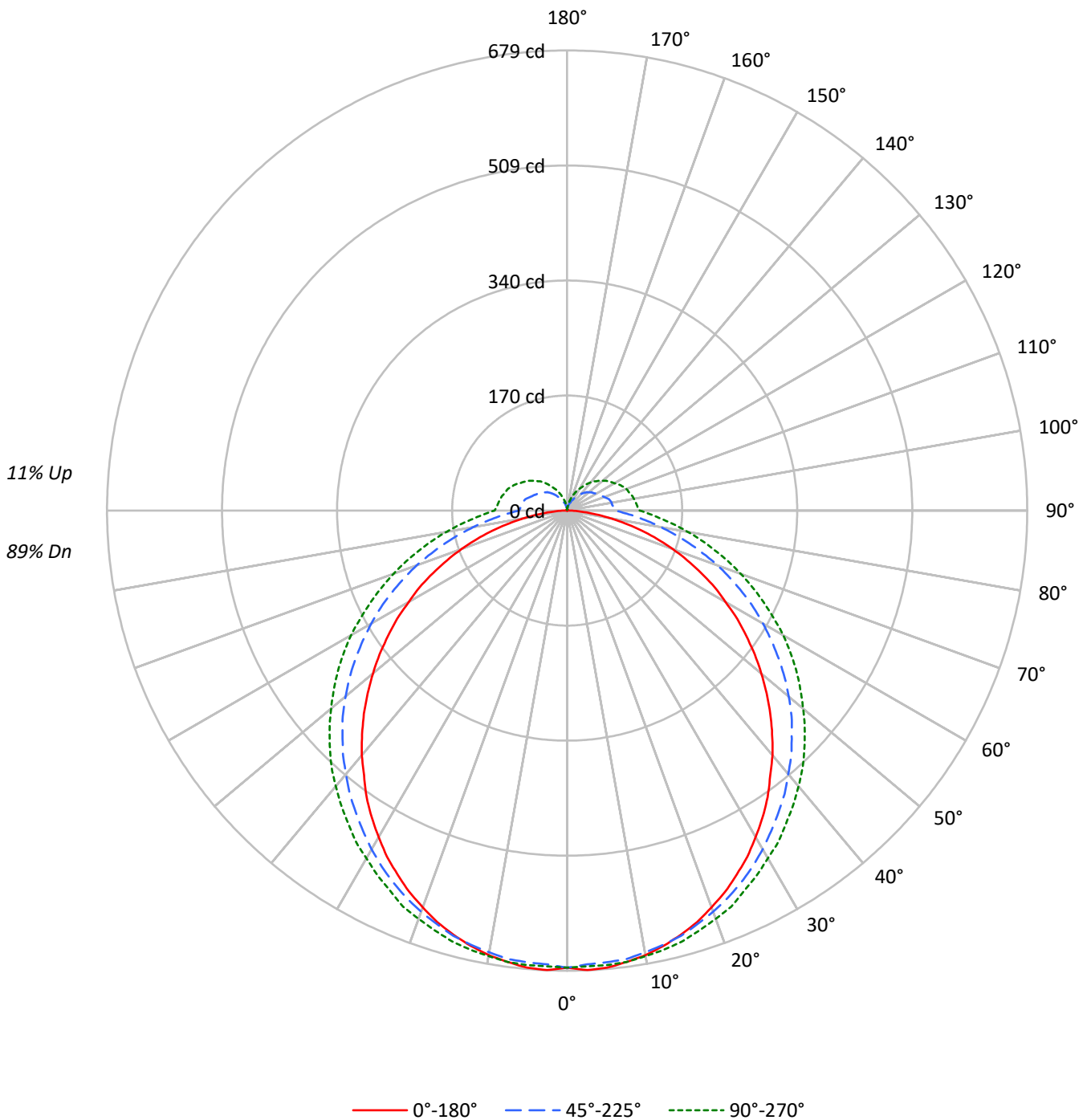
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2401.0 lumens  
Efficiency: N/A  
Efficacy: 137.2 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: 0.17')  
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	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°	14518	14518	14518
5°	14528	13814	13744
10°	14350	13232	13057
15°	14127	12673	12439
20°	13852	12096	11819
25°	13545	11546	11213
30°	13191	10983	10633
35°	12811	10420	10091
40°	12382	9872	9573
45°	11918	9322	9044
50°	11397	8761	8486
55°	10820	8137	7941
60°	10151	7489	7363
65°	9434	6795	6705
70°	8476	6056	6059
75°	7233	5201	5373
80°	5388	4346	4688
85°	3163	3550	3986



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.1	2.7
10°-20°	184.1	7.7
20°-30°	280.0	11.7
30°-40°	339.9	14.2
40°-50°	359.1	15.0
50°-60°	336.1	14.0
60°-70°	275.7	11.5
70°-80°	189.7	7.9
80°-90°	103.9	4.3
90°-100°	66.9	2.8
100°-110°	60.0	2.5
110°-120°	49.7	2.1
120°-130°	38.3	1.6
130°-140°	26.9	1.1
140°-150°	16.2	0.7
150°-160°	7.8	0.3
160°-170°	2.5	0.1
170°-180°	0.3	0.0
0°-30°	528.2	22.0
0°-40°	868.0	36.2
0°-60°	1563.2	65.1
0°-90°	2132.5	88.8
90°-120°	176.6	7.4
90°-150°	257.9	10.7
90°-180°	268.0	11.2
0°-180°	2401.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	674	674	674	674	674	
5°	677	676	669	674	673	64
15°	648	651	649	658	658	183
25°	592	599	606	619	619	273
35°	516	528	544	559	563	322
45°	424	444	469	490	495	327
55°	323	349	381	405	413	289
65°	218	248	285	312	320	216
75°	114	145	186	216	225	120
85°	25	60	102	129	139	29
90°	0	33	71	97	107	2
95°	0	32	68	93	103	0
105°	0	26	64	88	96	1
115°	1	24	54	78	88	1
125°	1	20	46	67	75	1
135°	1	15	38	54	61	1
145°	1	11	26	42	46	1
155°	1	7	17	26	31	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°	674.4	674.4	674.4	674.4	674.4
2.5°	678.6	677.2	670.3	675.8	673.1
5°	677.2	675.8	668.9	674.4	673.1
7.5°	671.7	671.7	667.5	673.1	671.7
10°	666.1	666.1	661.9	668.9	667.5
12.5°	657.8	659.1	656.4	664.7	663.3
15°	648.0	650.8	649.4	657.8	657.8
17.5°	636.9	639.7	639.7	649.4	649.4
20°	623.0	627.2	629.9	641.1	641.1
22.5°	609.1	614.7	618.8	628.6	632.7
25°	592.4	599.4	606.3	618.8	618.8
27.5°	575.7	584.1	592.4	604.9	606.3
30°	556.2	566.0	577.1	589.6	592.4
32.5°	536.8	549.3	560.4	575.7	579.9
35°	515.9	528.4	543.7	559.0	563.2
37.5°	492.3	507.6	527.0	543.7	547.9
40°	471.4	488.1	507.6	527.0	531.2
42.5°	447.8	465.9	489.5	507.6	514.5
45°	424.1	443.6	468.6	489.5	495.1
47.5°	399.1	421.4	449.2	468.6	475.6
50°	374.1	397.7	426.9	449.2	454.7
52.5°	349.0	374.1	404.7	426.9	433.9
55°	322.6	349.0	381.0	404.7	413.0
57.5°	297.6	324.0	357.4	382.4	390.8
60°	269.8	300.4	333.7	358.8	368.5
62.5°	246.1	274.0	310.1	335.1	343.5
65°	218.3	247.5	285.1	311.5	319.8
67.5°	191.9	222.5	260.0	287.9	296.2
70°	165.5	196.1	236.4	262.8	272.6
72.5°	139.1	171.0	210.0	239.2	248.9
75°	114.0	144.6	186.3	215.5	225.3
77.5°	87.6	121.0	162.7	191.9	203.0
80°	64.0	98.7	140.5	169.7	180.8
82.5°	43.1	77.9	119.6	148.8	159.9
85°	25.0	59.8	101.5	129.3	139.1
87.5°	12.5	45.9	84.8	112.6	122.4
90°	0.0	33.4	70.9	97.3	107.1
92.5°	0.0	32.0	69.5	94.6	104.3
95°	0.0	32.0	68.1	93.2	102.9
97.5°	0.0	30.6	66.7	93.2	101.5
100°	0.0	29.2	66.7	91.8	100.1
102.5°	0.0	27.8	65.4	90.4	98.7
105°	0.0	26.4	64.0	87.6	96.0
107.5°	1.4	26.4	61.2	86.2	94.6
110°	1.4	25.0	58.4	84.8	93.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	23.6	55.6	82.0	90.4
115°	1.4	23.6	54.2	77.9	87.6
117.5°	1.4	22.2	51.5	75.1	84.8
120°	1.4	22.2	50.1	72.3	80.7
122.5°	1.4	20.9	47.3	69.5	77.9
125°	1.4	19.5	45.9	66.7	75.1
127.5°	1.4	18.1	44.5	64.0	72.3
130°	1.4	16.7	41.7	61.2	68.1
132.5°	1.4	16.7	40.3	57.0	65.4
135°	1.4	15.3	37.5	54.2	61.2
137.5°	1.4	13.9	34.8	51.5	58.4
140°	1.4	12.5	32.0	48.7	54.2
142.5°	1.4	12.5	29.2	44.5	50.1
145°	1.4	11.1	26.4	41.7	45.9
147.5°	1.4	9.7	23.6	37.5	41.7
150°	1.4	9.7	20.9	33.4	37.5
152.5°	1.4	8.3	18.1	30.6	34.8
155°	1.4	7.0	16.7	26.4	30.6
157.5°	1.4	7.0	13.9	22.2	26.4
160°	1.4	5.6	12.5	18.1	22.2
162.5°	1.4	5.6	11.1	15.3	19.5
165°	1.4	4.2	8.3	12.5	15.3
167.5°	1.4	4.2	7.0	9.7	12.5
170°	1.4	2.8	5.6	7.0	9.7
172.5°	1.4	2.8	4.2	4.2	4.2
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)