

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: P565632

Luminaire Tested: **2SNX-25SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565632  
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-L940-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

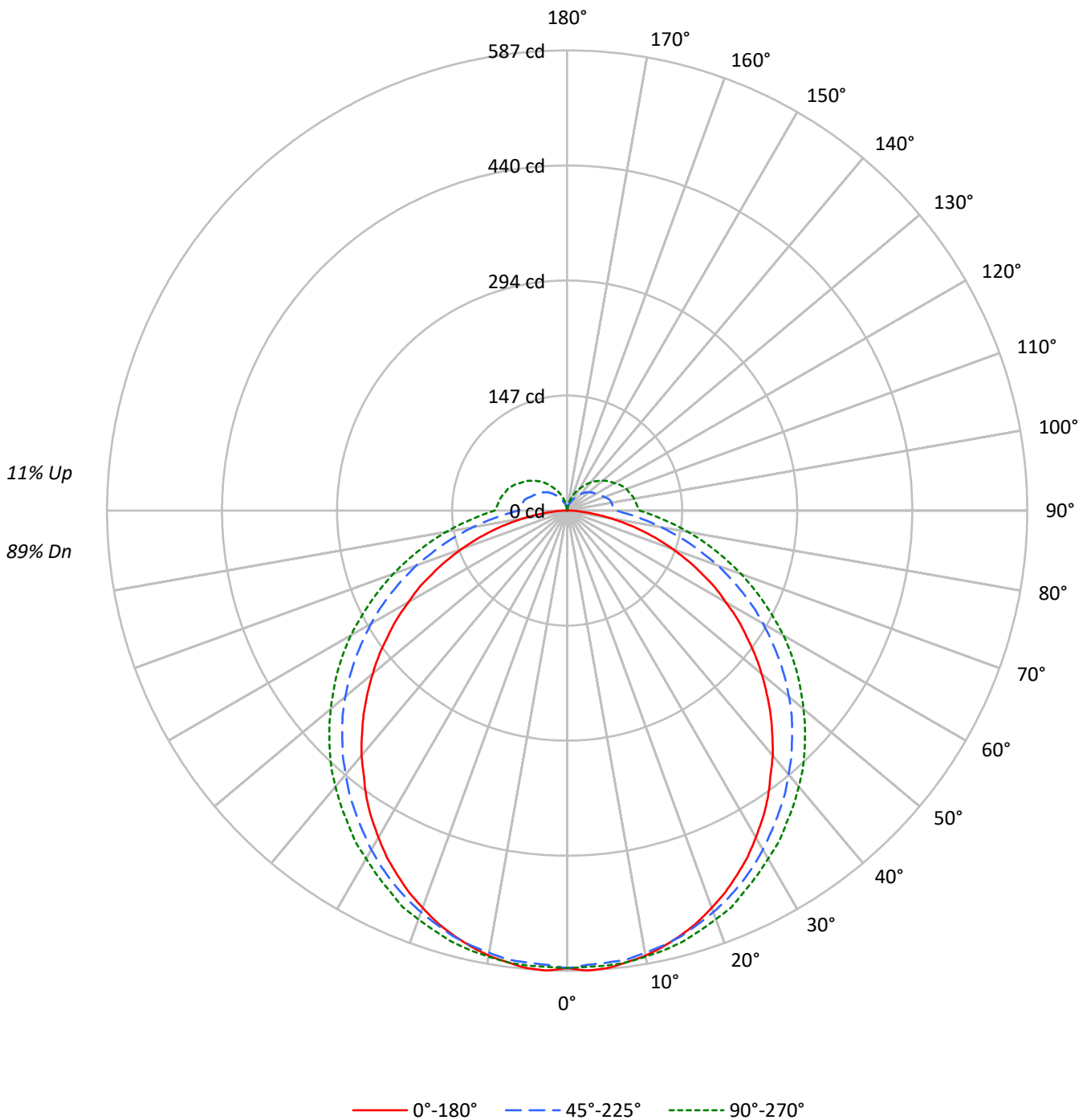
Lumens per Lamp: N/A  
Luminaire Lumens: 2078.0 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

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°	12566	12566	12566
5°	12620	12228	12233
10°	12511	11966	11930
15°	12361	11700	11652
20°	12169	11395	11340
25°	11947	11097	11017
30°	11687	10774	10695
35°	11403	10437	10393
40°	11080	10106	10106
45°	10731	9769	9794
50°	10333	9412	9445
55°	9893	8988	9102
60°	9379	8532	8718
65°	8841	8023	8236
70°	8091	7463	7765
75°	7109	6757	7244
80°	5560	6035	6730
85°	3636	5403	6202



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.4	2.7
10°-20°	159.4	7.7
20°-30°	242.3	11.7
30°-40°	294.1	14.2
40°-50°	310.8	15.0
50°-60°	290.9	14.0
60°-70°	238.7	11.5
70°-80°	164.1	7.9
80°-90°	89.9	4.3
90°-100°	57.9	2.8
100°-110°	52.0	2.5
110°-120°	43.0	2.1
120°-130°	33.1	1.6
130°-140°	23.3	1.1
140°-150°	14.0	0.7
150°-160°	6.7	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	457.1	22.0
0°-40°	751.3	36.2
0°-60°	1352.9	65.1
0°-90°	1845.6	88.8
90°-120°	152.8	7.4
90°-150°	223.2	10.7
90°-180°	232.0	11.2
0°-180°	2078.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	584	584	584	584	584	
5°	586	585	579	584	582	56
15°	561	563	562	569	569	158
25°	513	519	525	536	536	236
35°	446	457	471	484	487	279
45°	367	384	406	424	428	283
55°	279	302	330	350	358	250
65°	189	214	247	270	277	187
75°	99	125	161	186	195	104
85°	22	52	88	112	120	25
90°	0	29	61	84	93	1
95°	0	28	59	81	89	0
105°	0	23	55	76	83	1
115°	1	20	47	67	76	1
125°	1	17	40	58	65	1
135°	1	13	32	47	53	1
145°	1	10	23	36	40	1
155°	1	6	14	23	26	1
165°	1	4	7	11	13	0
175°	1	1	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°	583.7	583.7	583.7	583.7	583.7
2.5°	587.3	586.1	580.1	584.9	582.5
5°	586.1	584.9	578.9	583.7	582.5
7.5°	581.3	581.3	577.7	582.5	581.3
10°	576.5	576.5	572.9	578.9	577.7
12.5°	569.3	570.5	568.1	575.3	574.1
15°	560.8	563.3	562.1	569.3	569.3
17.5°	551.2	553.6	553.6	562.1	562.1
20°	539.2	542.8	545.2	554.8	554.8
22.5°	527.1	532.0	535.6	544.0	547.6
25°	512.7	518.7	524.7	535.6	535.6
27.5°	498.3	505.5	512.7	523.5	524.7
30°	481.4	489.8	499.5	510.3	512.7
32.5°	464.6	475.4	485.0	498.3	501.9
35°	446.5	457.3	470.6	483.8	487.4
37.5°	426.1	439.3	456.1	470.6	474.2
40°	408.0	422.4	439.3	456.1	459.8
42.5°	387.5	403.2	423.6	439.3	445.3
45°	367.1	383.9	405.6	423.6	428.5
47.5°	345.4	364.7	388.7	405.6	411.6
50°	323.8	344.2	369.5	388.7	393.6
52.5°	302.1	323.8	350.2	369.5	375.5
55°	279.2	302.1	329.8	350.2	357.5
57.5°	257.6	280.4	309.3	331.0	338.2
60°	233.5	260.0	288.8	310.5	318.9
62.5°	213.0	237.1	268.4	290.1	297.3
65°	189.0	214.2	246.7	269.6	276.8
67.5°	166.1	192.6	225.1	249.1	256.4
70°	143.2	169.7	204.6	227.5	235.9
72.5°	120.4	148.0	181.7	207.0	215.4
75°	98.7	125.2	161.3	186.5	195.0
77.5°	75.8	104.7	140.8	166.1	175.7
80°	55.4	85.5	121.6	146.8	156.5
82.5°	37.3	67.4	103.5	128.8	138.4
85°	21.7	51.8	87.9	111.9	120.4
87.5°	10.8	39.7	73.4	97.5	105.9
90°	0.0	28.9	61.4	84.2	92.7
92.5°	0.0	27.7	60.2	81.8	90.3
95°	0.0	27.7	59.0	80.6	89.1
97.5°	0.0	26.5	57.8	80.6	87.9
100°	0.0	25.3	57.8	79.4	86.7
102.5°	0.0	24.1	56.6	78.2	85.5
105°	0.0	22.9	55.4	75.8	83.0
107.5°	1.2	22.9	53.0	74.6	81.8
110°	1.2	21.7	50.5	73.4	80.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.5	48.1	71.0	78.2
115°	1.2	20.5	46.9	67.4	75.8
117.5°	1.2	19.3	44.5	65.0	73.4
120°	1.2	19.3	43.3	62.6	69.8
122.5°	1.2	18.1	40.9	60.2	67.4
125°	1.2	16.8	39.7	57.8	65.0
127.5°	1.2	15.6	38.5	55.4	62.6
130°	1.2	14.4	36.1	53.0	59.0
132.5°	1.2	14.4	34.9	49.3	56.6
135°	1.2	13.2	32.5	46.9	53.0
137.5°	1.2	12.0	30.1	44.5	50.5
140°	1.2	10.8	27.7	42.1	46.9
142.5°	1.2	10.8	25.3	38.5	43.3
145°	1.2	9.6	22.9	36.1	39.7
147.5°	1.2	8.4	20.5	32.5	36.1
150°	1.2	8.4	18.1	28.9	32.5
152.5°	1.2	7.2	15.6	26.5	30.1
155°	1.2	6.0	14.4	22.9	26.5
157.5°	1.2	6.0	12.0	19.3	22.9
160°	1.2	4.8	10.8	15.6	19.3
162.5°	1.2	4.8	9.6	13.2	16.8
165°	1.2	3.6	7.2	10.8	13.2
167.5°	1.2	3.6	6.0	8.4	10.8
170°	1.2	2.4	4.8	6.0	8.4
172.5°	1.2	2.4	3.6	3.6	3.6
175°	1.2	1.2	2.4	2.4	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)