

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: P565621

Luminaire Tested: **2SNX-25SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565621
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-L850-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

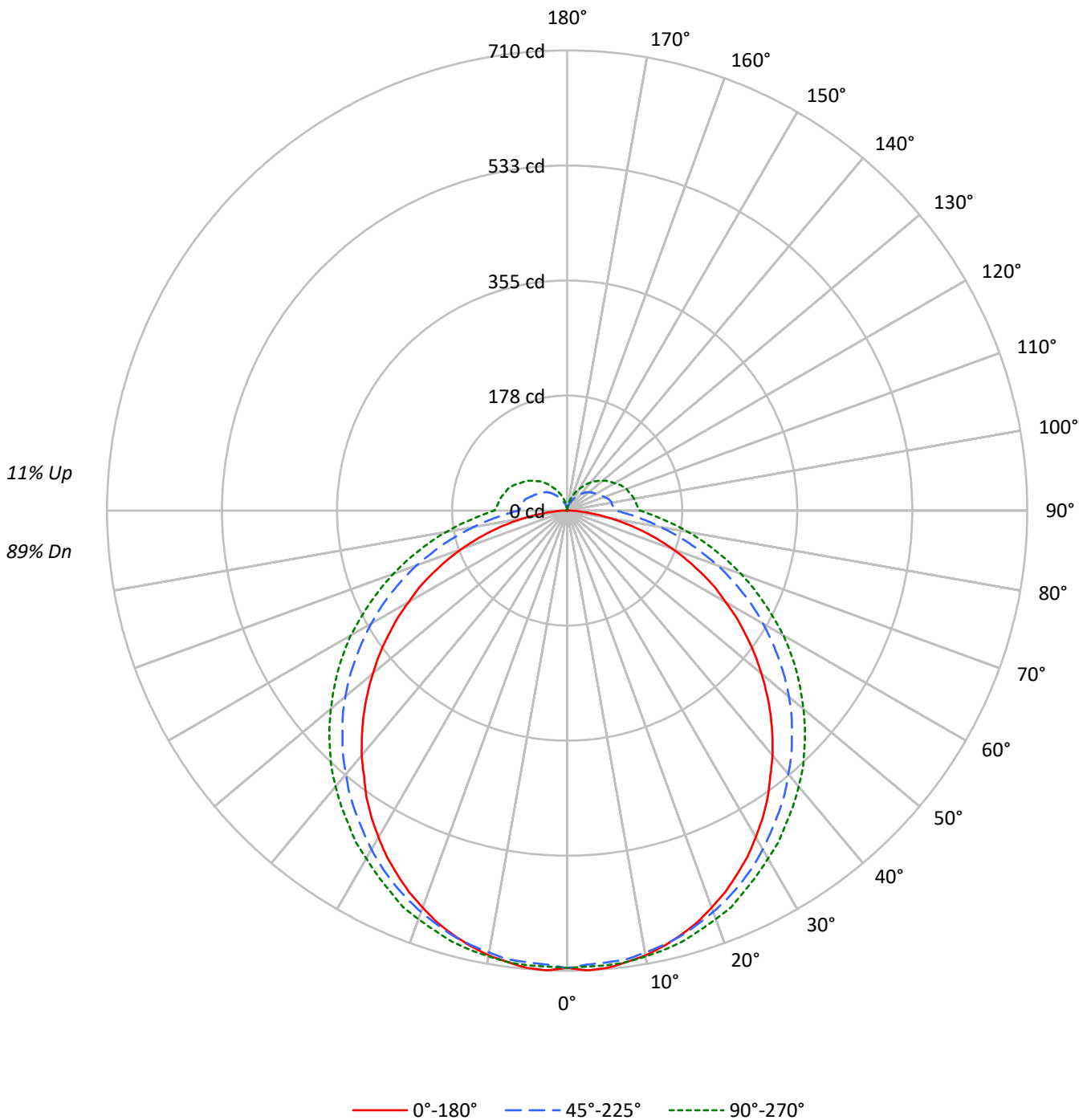
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2512.0 lumens
Efficiency: N/A
Efficacy: 143.5 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_{in}): 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: P565621
CATALOG NUMBER: 2SNX-25SL-LW-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565621

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L850-CD

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°	15190	15190	15190
5°	15200	14452	14379
10°	15014	13843	13661
15°	14781	13258	13013
20°	14493	12657	12365
25°	14172	12079	11731
30°	13803	11491	11125
35°	13404	10902	10557
40°	12954	10327	10016
45°	12469	9754	9460
50°	11924	9167	8880
55°	11320	8513	8308
60°	10622	7837	7703
65°	9871	7109	7015
70°	8866	6335	6339
75°	7569	5444	5621
80°	5632	4544	4904
85°	3314	3715	4169



TEST NUMBER: P565621

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	2.7
10°-20°	192.6	7.7
20°-30°	292.9	11.7
30°-40°	355.6	14.2
40°-50°	375.7	15.0
50°-60°	351.6	14.0
60°-70°	288.5	11.5
70°-80°	198.4	7.9
80°-90°	108.7	4.3
90°-100°	70.0	2.8
100°-110°	62.8	2.5
110°-120°	52.0	2.1
120°-130°	40.0	1.6
130°-140°	28.1	1.1
140°-150°	16.9	0.7
150°-160°	8.1	0.3
160°-170°	2.7	0.1
170°-180°	0.3	0.0
0°-30°	552.6	22.0
0°-40°	908.2	36.2
0°-60°	1635.5	65.1
0°-90°	2231.1	88.8
90°-120°	184.7	7.4
90°-150°	269.8	10.7
90°-180°	281.0	11.2
0°-180°	2512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	708	707	700	706	704	67
15°	678	681	679	688	688	191
25°	620	627	634	647	647	286
35°	540	553	569	585	589	337
45°	444	464	490	512	518	342
55°	338	365	399	423	432	302
65°	228	259	298	326	335	226
75°	119	151	195	226	236	126
85°	26	63	106	135	146	30
90°	0	35	74	102	112	2
95°	0	34	71	98	108	0
105°	0	28	67	92	100	1
115°	2	25	57	82	92	1
125°	2	20	48	70	79	1
135°	2	16	39	57	64	1
145°	2	12	28	44	48	1
155°	2	7	18	28	32	1
165°	2	4	9	13	16	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P565621

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	705.6	705.6	705.6	705.6	705.6
2.5°	710.0	708.5	701.3	707.1	704.2
5°	708.5	707.1	699.8	705.6	704.2
7.5°	702.7	702.7	698.4	704.2	702.7
10°	696.9	696.9	692.5	699.8	698.4
12.5°	688.2	689.6	686.7	695.4	694.0
15°	678.0	680.9	679.4	688.2	688.2
17.5°	666.3	669.3	669.3	679.4	679.4
20°	651.8	656.2	659.1	670.7	670.7
22.5°	637.2	643.1	647.4	657.6	662.0
25°	619.8	627.1	634.3	647.4	647.4
27.5°	602.3	611.1	619.8	632.9	634.3
30°	582.0	592.1	603.8	616.9	619.8
32.5°	561.6	574.7	586.3	602.3	606.7
35°	539.8	552.9	568.9	584.9	589.2
37.5°	515.0	531.0	551.4	568.9	573.2
40°	493.2	510.7	531.0	551.4	555.8
42.5°	468.5	487.4	512.1	531.0	538.3
45°	443.7	464.1	490.3	512.1	517.9
47.5°	417.6	440.8	469.9	490.3	497.6
50°	391.4	416.1	446.7	469.9	475.8
52.5°	365.2	391.4	423.4	446.7	453.9
55°	337.5	365.2	398.6	423.4	432.1
57.5°	311.3	339.0	373.9	400.1	408.8
60°	282.3	314.3	349.2	375.4	385.5
62.5°	257.5	286.6	324.4	350.6	359.4
65°	228.4	259.0	298.3	325.9	334.6
67.5°	200.8	232.8	272.1	301.2	309.9
70°	173.1	205.1	247.3	275.0	285.2
72.5°	145.5	179.0	219.7	250.2	260.4
75°	119.3	151.3	195.0	225.5	235.7
77.5°	91.7	126.6	170.2	200.8	212.4
80°	66.9	103.3	146.9	177.5	189.1
82.5°	45.1	81.5	125.1	155.7	167.3
85°	26.2	62.6	106.2	135.3	145.5
87.5°	13.1	48.0	88.7	117.8	128.0
90°	0.0	34.9	74.2	101.8	112.0
92.5°	0.0	33.5	72.7	98.9	109.1
95°	0.0	33.5	71.3	97.5	107.7
97.5°	0.0	32.0	69.8	97.5	106.2
100°	0.0	30.6	69.8	96.0	104.8
102.5°	0.0	29.1	68.4	94.6	103.3
105°	0.0	27.6	66.9	91.7	100.4
107.5°	1.5	27.6	64.0	90.2	98.9
110°	1.5	26.2	61.1	88.7	97.5



TEST NUMBER: P565621

CATALOG NUMBER: 2SNX-25SL-LW-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	24.7	58.2	85.8	94.6
115°	1.5	24.7	56.7	81.5	91.7
117.5°	1.5	23.3	53.8	78.6	88.7
120°	1.5	23.3	52.4	75.7	84.4
122.5°	1.5	21.8	49.5	72.7	81.5
125°	1.5	20.4	48.0	69.8	78.6
127.5°	1.5	18.9	46.6	66.9	75.7
130°	1.5	17.5	43.6	64.0	71.3
132.5°	1.5	17.5	42.2	59.7	68.4
135°	1.5	16.0	39.3	56.7	64.0
137.5°	1.5	14.5	36.4	53.8	61.1
140°	1.5	13.1	33.5	50.9	56.7
142.5°	1.5	13.1	30.6	46.6	52.4
145°	1.5	11.6	27.6	43.6	48.0
147.5°	1.5	10.2	24.7	39.3	43.6
150°	1.5	10.2	21.8	34.9	39.3
152.5°	1.5	8.7	18.9	32.0	36.4
155°	1.5	7.3	17.5	27.6	32.0
157.5°	1.5	7.3	14.5	23.3	27.6
160°	1.5	5.8	13.1	18.9	23.3
162.5°	1.5	5.8	11.6	16.0	20.4
165°	1.5	4.4	8.7	13.1	16.0
167.5°	1.5	4.4	7.3	10.2	13.1
170°	1.5	2.9	5.8	7.3	10.2
172.5°	1.5	2.9	4.4	4.4	4.4
175°	1.5	1.5	2.9	2.9	1.5
177.5°	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)