

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: P565598

Luminaire Tested: **2SNX-25SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-25SL-FDL-UNV-L930-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

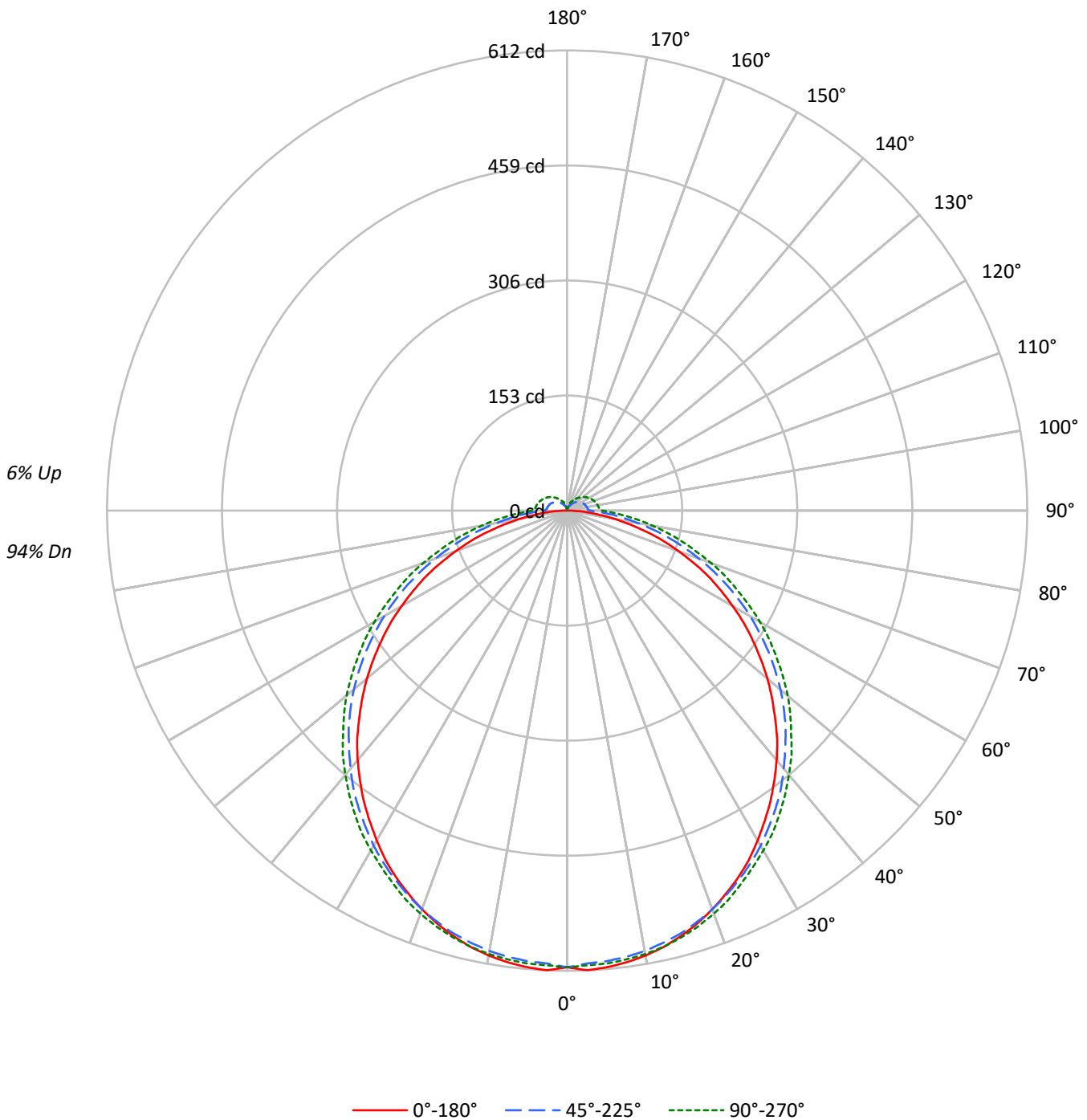
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1930.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')
CIE Type: 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: P565598
CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565598

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13074	13074	13074
5°	13152	12849	12878
10°	13085	12703	12716
15°	12977	12535	12534
20°	12831	12333	12320
25°	12663	12111	12067
30°	12441	11885	11835
35°	12216	11622	11591
40°	11970	11332	11316
45°	11661	11043	10997
50°	11360	10715	10704
55°	10985	10310	10299
60°	10568	9850	9900
65°	10118	9301	9352
70°	9359	8609	8781
75°	8443	7796	8097
80°	7085	6723	7342
85°	5327	5774	6454



TEST NUMBER: P565598

CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	3.0
10°-20°	165.3	8.6
20°-30°	250.5	13.0
30°-40°	302.4	15.7
40°-50°	315.8	16.4
50°-60°	290.1	15.0
60°-70°	229.4	11.9
70°-80°	145.2	7.5
80°-90°	62.4	3.2
90°-100°	27.5	1.4
100°-110°	24.6	1.3
110°-120°	20.8	1.1
120°-130°	16.2	0.8
130°-140°	11.2	0.6
140°-150°	6.7	0.3
150°-160°	3.3	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	473.3	24.5
0°-40°	775.7	40.2
0°-60°	1381.5	71.6
0°-90°	1818.5	94.2
90°-120°	72.8	3.8
90°-150°	106.9	5.5
90°-180°	112.0	5.8
0°-180°	1930.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	610	608	602	607	605	58
15°	586	586	582	588	588	165
25°	538	541	541	548	548	248
35°	472	477	483	491	492	295
45°	391	401	411	419	421	302
55°	301	314	327	337	340	270
65°	208	219	234	245	249	204
75°	109	122	140	152	158	116
85°	27	41	59	71	76	29
90°	2	15	30	42	46	2
95°	0	13	27	38	42	0
105°	0	12	26	36	40	0
115°	0	10	23	32	36	0
125°	1	9	20	28	31	1
135°	1	7	16	22	25	1
145°	1	5	11	17	18	0
155°	1	3	7	11	13	0
165°	1	2	4	5	7	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565598

CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	607.3	607.3	607.3	607.3	607.3
2.5°	611.8	609.7	602.9	607.7	605.3
5°	609.7	608.0	601.5	606.7	604.6
7.5°	606.0	604.6	598.8	604.3	602.2
10°	600.8	599.8	594.7	600.2	598.8
12.5°	594.3	594.0	588.9	595.0	594.0
15°	585.5	585.5	582.4	588.5	587.5
17.5°	575.9	576.2	573.8	580.3	579.7
20°	564.3	566.0	564.3	571.1	570.4
22.5°	551.6	554.0	553.3	560.2	560.5
25°	538.3	540.7	541.4	548.5	547.5
27.5°	523.6	527.4	528.7	535.2	534.9
30°	506.5	511.6	514.7	520.2	521.9
32.5°	489.1	495.2	499.0	506.5	508.6
35°	471.6	477.1	483.3	490.8	492.5
37.5°	452.5	458.7	466.9	474.0	476.1
40°	433.4	440.2	448.1	455.9	459.0
42.5°	413.5	420.7	429.3	438.5	441.6
45°	391.0	400.6	410.8	418.7	421.4
47.5°	369.5	380.1	391.0	399.5	402.6
50°	347.6	358.9	370.5	378.3	383.1
52.5°	324.7	337.0	348.6	358.5	361.6
55°	301.4	313.7	326.7	337.3	339.7
57.5°	278.9	290.9	303.8	313.7	318.5
60°	254.3	267.3	281.3	291.2	296.3
62.5°	230.4	243.0	258.0	268.6	272.7
65°	207.5	219.1	234.5	245.4	249.2
67.5°	182.2	195.5	210.2	222.8	227.6
70°	157.2	169.9	186.6	198.6	203.4
72.5°	134.0	146.3	163.0	175.0	179.4
75°	109.4	122.4	140.1	152.1	157.9
77.5°	85.8	100.1	117.2	130.2	136.7
80°	63.9	76.6	95.0	109.4	115.2
82.5°	43.4	57.1	76.2	89.5	96.0
85°	26.7	41.0	58.8	71.4	75.9
87.5°	12.6	26.3	42.7	55.0	60.5
90°	1.7	14.7	30.1	42.0	46.5
92.5°	0.3	12.6	27.7	39.0	43.1
95°	0.3	12.6	27.3	38.3	42.4
97.5°	0.3	12.3	27.0	37.9	41.7
100°	0.3	12.0	26.7	37.3	41.4
102.5°	0.3	12.0	26.0	36.6	40.3
105°	0.3	11.6	25.6	35.9	39.6
107.5°	0.3	11.3	24.9	35.2	39.0
110°	0.3	10.6	24.6	34.2	37.9



TEST NUMBER: P565598

CATALOG NUMBER: 2SNX-25SL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	10.3	23.9	33.5	36.9
115°	0.3	9.9	23.2	32.5	35.9
117.5°	0.3	9.6	22.2	31.4	34.9
120°	0.7	9.6	21.5	30.4	33.5
122.5°	0.7	9.2	20.5	29.1	32.1
125°	0.7	8.9	19.5	28.0	31.1
127.5°	0.7	8.5	18.5	26.7	29.4
130°	0.7	7.9	17.8	25.3	28.0
132.5°	0.7	7.5	16.7	23.6	26.3
135°	0.7	6.8	15.7	22.2	24.9
137.5°	0.7	6.5	14.7	20.8	23.2
140°	0.7	6.2	13.3	19.5	21.9
142.5°	0.7	5.5	12.3	18.1	20.2
145°	0.7	5.1	10.9	16.7	18.5
147.5°	0.7	4.4	9.9	15.4	17.1
150°	0.7	4.1	8.9	14.0	15.7
152.5°	0.7	3.8	7.9	12.3	14.0
155°	0.7	3.4	7.2	10.6	12.6
157.5°	0.7	3.1	6.2	9.2	11.3
160°	1.0	2.7	5.5	7.9	9.6
162.5°	1.0	2.4	4.4	6.5	8.5
165°	1.0	2.4	3.8	5.1	7.2
167.5°	1.0	2.1	3.1	4.1	5.8
170°	1.0	1.7	2.7	3.1	4.4
172.5°	1.0	1.4	2.1	2.1	2.4
175°	1.0	1.4	1.7	1.7	1.0
177.5°	1.0	1.0	1.0	1.0	0.7
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)