

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: P565549

Luminaire Tested: **2SNX-23SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565549
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-23SL-FDL-UNV-L850-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

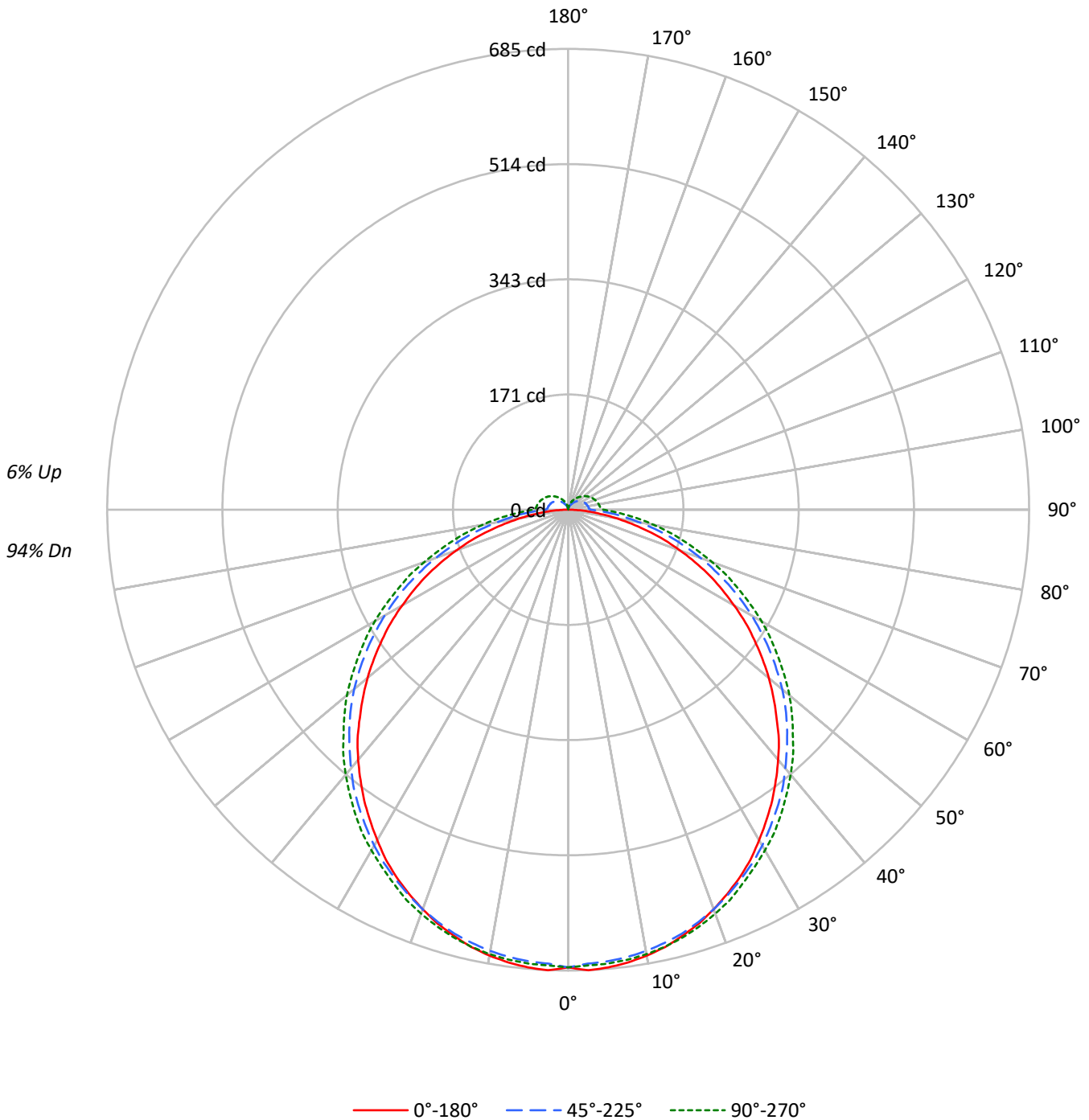
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2162.0 lumens
Efficiency: N/A
Efficacy: 145.1 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): 14.9
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

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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	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°	14645	14645	14645
5°	14733	14394	14426
10°	14660	14230	14245
15°	14535	14041	14040
20°	14372	13814	13802
25°	14185	13565	13517
30°	13937	13314	13256
35°	13684	13020	12984
40°	13409	12693	12677
45°	13063	12371	12320
50°	12726	12002	11992
55°	12309	11550	11538
60°	11835	11033	11089
65°	11332	10415	10474
70°	10484	9643	9835
75°	9454	8736	9071
80°	7939	7529	8221
85°	5965	6471	7227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	3.0
10°-20°	185.1	8.6
20°-30°	280.6	13.0
30°-40°	338.7	15.7
40°-50°	353.7	16.4
50°-60°	324.9	15.0
60°-70°	257.0	11.9
70°-80°	162.6	7.5
80°-90°	69.9	3.2
90°-100°	30.8	1.4
100°-110°	27.5	1.3
110°-120°	23.3	1.1
120°-130°	18.1	0.8
130°-140°	12.6	0.6
140°-150°	7.5	0.3
150°-160°	3.7	0.2
160°-170°	1.3	0.1
170°-180°	0.2	0.0
0°-30°	530.2	24.5
0°-40°	869.0	40.2
0°-60°	1547.6	71.6
0°-90°	2037.1	94.2
90°-120°	81.6	3.8
90°-150°	119.8	5.5
90°-180°	125.0	5.8
0°-180°	2162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	683	681	674	680	677	65
15°	656	656	652	659	658	185
25°	603	606	606	614	613	278
35°	528	534	541	550	552	330
45°	438	449	460	469	472	338
55°	338	352	366	378	381	302
65°	232	245	263	275	279	229
75°	122	137	157	170	177	130
85°	30	46	66	80	85	33
90°	2	16	34	47	52	3
95°	0	14	31	43	48	0
105°	0	13	29	40	44	0
115°	0	11	26	36	40	0
125°	1	10	22	31	35	1
135°	1	8	18	25	28	1
145°	1	6	12	19	21	1
155°	1	4	8	12	14	0
165°	1	3	4	6	8	0
175°	1	2	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°	680.3	680.3	680.3	680.3	680.3
2.5°	685.3	683.0	675.4	680.7	678.0
5°	683.0	681.1	673.8	679.6	677.3
7.5°	678.8	677.3	670.8	676.9	674.6
10°	673.1	671.9	666.2	672.3	670.8
12.5°	665.8	665.4	659.7	666.6	665.4
15°	655.8	655.8	652.4	659.3	658.1
17.5°	645.1	645.5	642.8	650.1	649.3
20°	632.1	634.0	632.1	639.8	639.0
22.5°	617.9	620.6	619.8	627.5	627.9
25°	603.0	605.7	606.4	614.5	613.3
27.5°	586.5	590.8	592.3	599.6	599.2
30°	567.4	573.1	576.6	582.7	584.6
32.5°	547.9	554.8	559.0	567.4	569.7
35°	528.3	534.5	541.4	549.8	551.7
37.5°	506.9	513.8	523.0	531.0	533.3
40°	485.5	493.1	501.9	510.7	514.2
42.5°	463.3	471.3	480.9	491.2	494.7
45°	438.0	448.7	460.2	469.0	472.1
47.5°	413.9	425.7	438.0	447.6	451.0
50°	389.4	402.0	415.0	423.8	429.2
52.5°	363.7	377.5	390.5	401.6	405.1
55°	337.7	351.5	366.0	377.9	380.6
57.5°	312.4	325.8	340.4	351.5	356.8
60°	284.8	299.4	315.1	326.2	331.9
62.5°	258.0	272.2	289.1	300.9	305.5
65°	232.4	245.4	262.6	274.9	279.1
67.5°	204.1	219.0	235.5	249.6	255.0
70°	176.1	190.3	209.0	222.4	227.8
72.5°	150.1	163.9	182.6	196.0	201.0
75°	122.5	137.1	157.0	170.4	176.9
77.5°	96.1	112.2	131.3	145.9	153.1
80°	71.6	85.8	106.4	122.5	129.0
82.5°	48.6	63.9	85.4	100.3	107.6
85°	29.9	45.9	65.9	80.0	85.0
87.5°	14.2	29.5	47.9	61.6	67.8
90°	1.9	16.5	33.7	47.1	52.1
92.5°	0.4	14.2	31.0	43.6	48.2
95°	0.4	14.2	30.6	42.9	47.5
97.5°	0.4	13.8	30.2	42.5	46.7
100°	0.4	13.4	29.9	41.7	46.3
102.5°	0.4	13.4	29.1	41.0	45.2
105°	0.4	13.0	28.7	40.2	44.4
107.5°	0.4	12.6	27.9	39.4	43.6
110°	0.4	11.9	27.6	38.3	42.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	11.5	26.8	37.5	41.3
115°	0.4	11.1	26.0	36.4	40.2
117.5°	0.4	10.7	24.9	35.2	39.1
120°	0.8	10.7	24.1	34.1	37.5
122.5°	0.8	10.3	23.0	32.5	36.0
125°	0.8	10.0	21.8	31.4	34.8
127.5°	0.8	9.6	20.7	29.9	32.9
130°	0.8	8.8	19.9	28.3	31.4
132.5°	0.8	8.4	18.8	26.4	29.5
135°	0.8	7.7	17.6	24.9	27.9
137.5°	0.8	7.3	16.5	23.4	26.0
140°	0.8	6.9	14.9	21.8	24.5
142.5°	0.8	6.1	13.8	20.3	22.6
145°	0.8	5.7	12.3	18.8	20.7
147.5°	0.8	5.0	11.1	17.2	19.1
150°	0.8	4.6	10.0	15.7	17.6
152.5°	0.8	4.2	8.8	13.8	15.7
155°	0.8	3.8	8.0	11.9	14.2
157.5°	0.8	3.4	6.9	10.3	12.6
160°	1.1	3.1	6.1	8.8	10.7
162.5°	1.1	2.7	5.0	7.3	9.6
165°	1.1	2.7	4.2	5.7	8.0
167.5°	1.1	2.3	3.4	4.6	6.5
170°	1.1	1.9	3.1	3.4	5.0
172.5°	1.1	1.5	2.3	2.3	2.7
175°	1.1	1.5	1.9	1.9	1.1
177.5°	1.1	1.1	1.1	1.1	0.8
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)