

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: P565575

Luminaire Tested: **2SNX-23SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565575
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-23SL-LW-UNV-L935-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

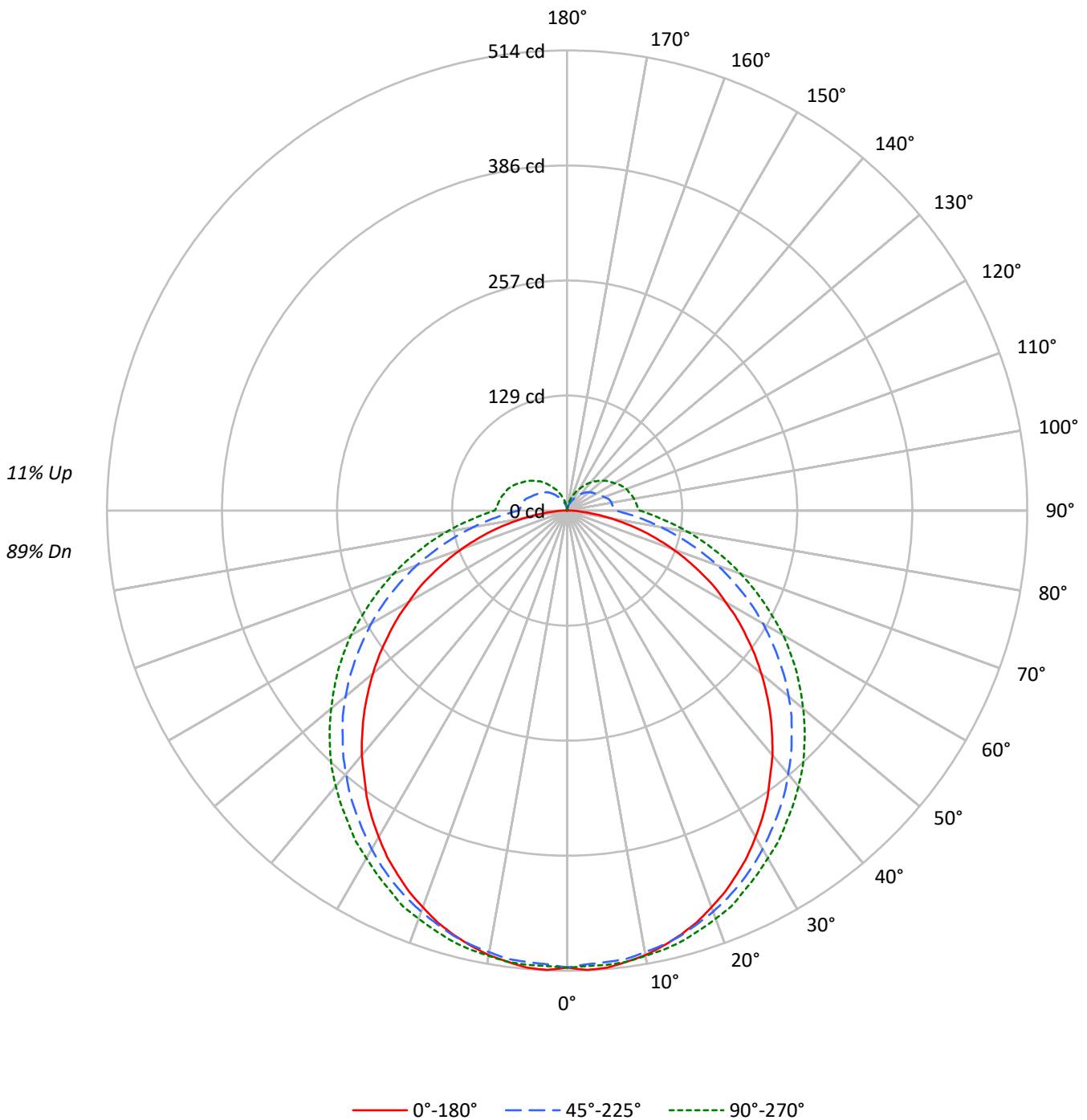
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1817.0 lumens
Efficiency: N/A
Efficacy: 121.9 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): 14.9
Input Voltage (V): NR
Input Current (Ain): 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: P565575
CATALOG NUMBER: 2SNX-23SL-LW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565575

CATALOG NUMBER: 2SNX-23SL-LW-UNV-L935-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	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°	10988	10988	10988
5°	10995	10454	10399
10°	10860	10013	9880
15°	10691	9591	9413
20°	10484	9154	8943
25°	10250	8737	8486
30°	9983	8311	8047
35°	9694	7886	7636
40°	9372	7470	7245
45°	9021	7054	6843
50°	8625	6630	6422
55°	8187	6157	6010
60°	7683	5669	5573
65°	7139	5141	5074
70°	6412	4583	4586
75°	5475	3937	4066
80°	4075	3288	3547
85°	2391	2686	3014



TEST NUMBER: P565575

CATALOG NUMBER: 2SNX-23SL-LW-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	2.7
10°-20°	139.3	7.7
20°-30°	211.9	11.7
30°-40°	257.2	14.2
40°-50°	271.8	15.0
50°-60°	254.3	14.0
60°-70°	208.7	11.5
70°-80°	143.5	7.9
80°-90°	78.6	4.3
90°-100°	50.6	2.8
100°-110°	45.4	2.5
110°-120°	37.6	2.1
120°-130°	28.9	1.6
130°-140°	20.3	1.1
140°-150°	12.3	0.7
150°-160°	5.9	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	399.7	22.0
0°-40°	656.9	36.2
0°-60°	1183.0	65.1
0°-90°	1613.8	88.8
90°-120°	133.6	7.4
90°-150°	195.2	10.7
90°-180°	203.0	11.2
0°-180°	1817.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	510	510	510	510	510	
5°	512	512	506	510	509	49
15°	490	492	492	498	498	138
25°	448	454	459	468	468	207
35°	390	400	412	423	426	244
45°	321	336	355	370	375	247
55°	244	264	288	306	313	218
65°	165	187	216	236	242	164
75°	86	109	141	163	170	91
85°	19	45	77	98	105	22
90°	0	25	54	74	81	1
95°	0	24	52	70	78	0
105°	0	20	48	66	73	1
115°	1	18	41	59	66	1
125°	1	15	35	50	57	1
135°	1	12	28	41	46	1
145°	1	8	20	32	35	1
155°	1	5	13	20	23	1
165°	1	3	6	10	12	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565575

CATALOG NUMBER: 2SNX-23SL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	510.4	510.4	510.4	510.4	510.4
2.5°	513.6	512.5	507.2	511.5	509.3
5°	512.5	511.5	506.2	510.4	509.3
7.5°	508.3	508.3	505.1	509.3	508.3
10°	504.1	504.1	500.9	506.2	505.1
12.5°	497.8	498.8	496.7	503.0	502.0
15°	490.4	492.5	491.5	497.8	497.8
17.5°	482.0	484.1	484.1	491.5	491.5
20°	471.5	474.6	476.7	485.1	485.1
22.5°	460.9	465.1	468.3	475.7	478.8
25°	448.3	453.6	458.8	468.3	468.3
27.5°	435.7	442.0	448.3	457.8	458.8
30°	420.9	428.3	436.7	446.2	448.3
32.5°	406.2	415.7	424.1	435.7	438.8
35°	390.4	399.9	411.5	423.1	426.2
37.5°	372.5	384.1	398.8	411.5	414.6
40°	356.8	369.4	384.1	398.8	402.0
42.5°	338.9	352.5	370.4	384.1	389.4
45°	321.0	335.7	354.6	370.4	374.6
47.5°	302.0	318.9	339.9	354.6	359.9
50°	283.1	301.0	323.1	339.9	344.1
52.5°	264.1	283.1	306.2	323.1	328.3
55°	244.1	264.1	288.3	306.2	312.6
57.5°	225.2	245.2	270.5	289.4	295.7
60°	204.2	227.3	252.6	271.5	278.9
62.5°	186.3	207.3	234.7	253.6	259.9
65°	165.2	187.3	215.7	235.7	242.0
67.5°	145.2	168.4	196.8	217.8	224.2
70°	125.2	148.4	178.9	198.9	206.3
72.5°	105.2	129.4	158.9	181.0	188.4
75°	86.3	109.4	141.0	163.1	170.5
77.5°	66.3	91.6	123.1	145.2	153.6
80°	48.4	74.7	106.3	128.4	136.8
82.5°	32.6	58.9	90.5	112.6	121.0
85°	18.9	45.3	76.8	97.9	105.2
87.5°	9.5	34.7	64.2	85.2	92.6
90°	0.0	25.3	53.7	73.7	81.0
92.5°	0.0	24.2	52.6	71.6	78.9
95°	0.0	24.2	51.6	70.5	77.9
97.5°	0.0	23.2	50.5	70.5	76.8
100°	0.0	22.1	50.5	69.5	75.8
102.5°	0.0	21.0	49.5	68.4	74.7
105°	0.0	20.0	48.4	66.3	72.6
107.5°	1.1	20.0	46.3	65.2	71.6
110°	1.1	18.9	44.2	64.2	70.5



TEST NUMBER: P565575

CATALOG NUMBER: 2SNX-23SL-LW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	17.9	42.1	62.1	68.4
115°	1.1	17.9	41.0	58.9	66.3
117.5°	1.1	16.8	38.9	56.8	64.2
120°	1.1	16.8	37.9	54.7	61.0
122.5°	1.1	15.8	35.8	52.6	58.9
125°	1.1	14.7	34.7	50.5	56.8
127.5°	1.1	13.7	33.7	48.4	54.7
130°	1.1	12.6	31.6	46.3	51.6
132.5°	1.1	12.6	30.5	43.1	49.5
135°	1.1	11.6	28.4	41.0	46.3
137.5°	1.1	10.5	26.3	38.9	44.2
140°	1.1	9.5	24.2	36.8	41.0
142.5°	1.1	9.5	22.1	33.7	37.9
145°	1.1	8.4	20.0	31.6	34.7
147.5°	1.1	7.4	17.9	28.4	31.6
150°	1.1	7.4	15.8	25.3	28.4
152.5°	1.1	6.3	13.7	23.2	26.3
155°	1.1	5.3	12.6	20.0	23.2
157.5°	1.1	5.3	10.5	16.8	20.0
160°	1.1	4.2	9.5	13.7	16.8
162.5°	1.1	4.2	8.4	11.6	14.7
165°	1.1	3.2	6.3	9.5	11.6
167.5°	1.1	3.2	5.3	7.4	9.5
170°	1.1	2.1	4.2	5.3	7.4
172.5°	1.1	2.1	3.2	3.2	3.2
175°	1.1	1.1	2.1	2.1	1.1
177.5°	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)