

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: P565574

Luminaire Tested: **2SNX-23SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565574
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-L930-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

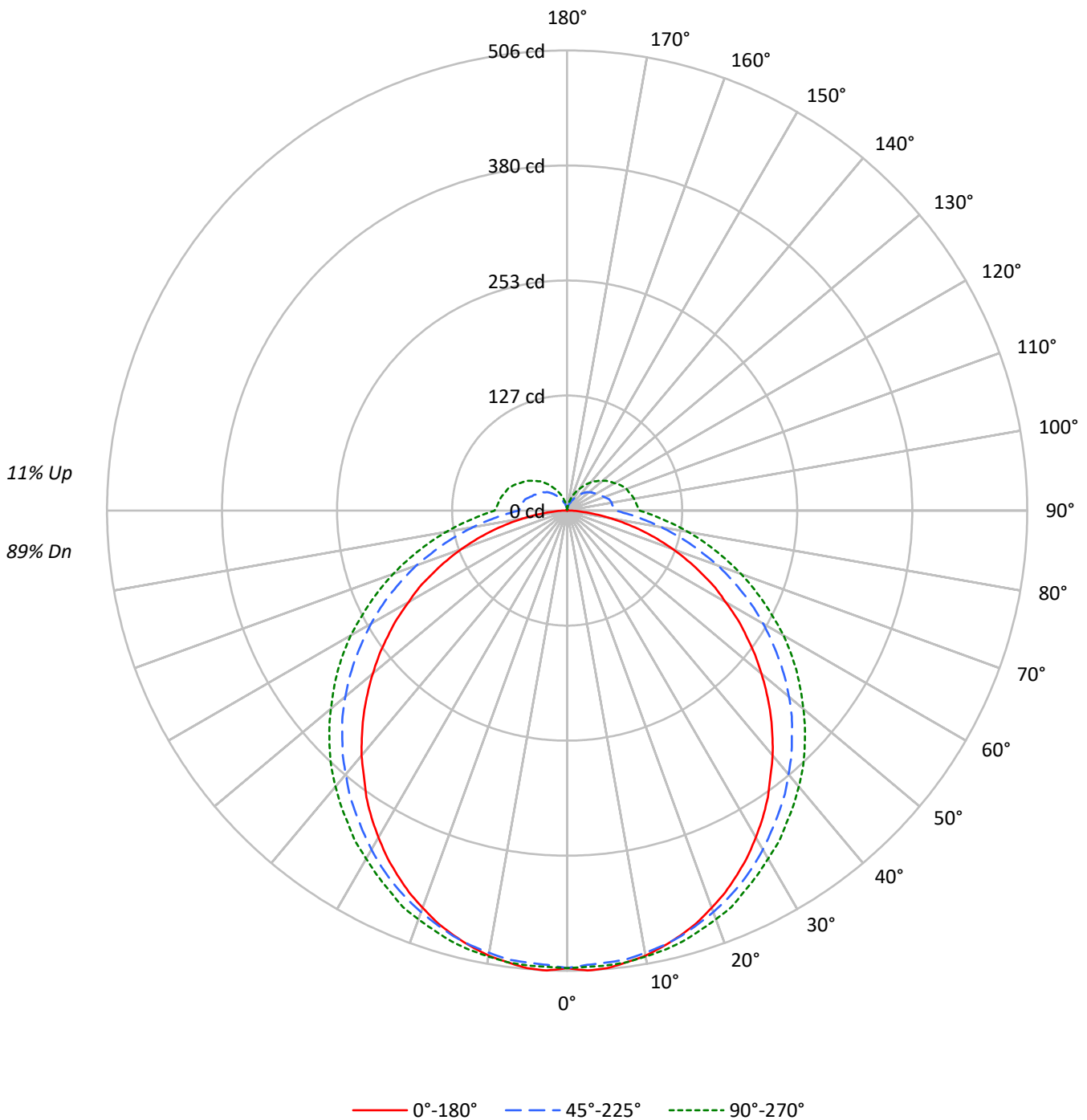
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1791.0 lumens
Efficiency: N/A
Efficacy: 120.2 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 (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	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°	10831	10831	10831
5°	10838	10303	10252
10°	10705	9871	9739
15°	10538	9453	9277
20°	10333	9023	8816
25°	10104	8613	8364
30°	9840	8193	7932
35°	9555	7773	7527
40°	9235	7363	7142
45°	8892	6955	6746
50°	8500	6536	6331
55°	8073	6070	5924
60°	7570	5588	5493
65°	7040	5067	5002
70°	6320	4516	4519
75°	5399	3881	4006
80°	4016	3242	3498
85°	2366	2648	2971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	2.7
10°-20°	137.3	7.7
20°-30°	208.8	11.7
30°-40°	253.5	14.2
40°-50°	267.9	15.0
50°-60°	250.7	14.0
60°-70°	205.7	11.5
70°-80°	141.5	7.9
80°-90°	77.5	4.3
90°-100°	49.9	2.8
100°-110°	44.8	2.5
110°-120°	37.1	2.1
120°-130°	28.5	1.6
130°-140°	20.0	1.1
140°-150°	12.1	0.7
150°-160°	5.8	0.3
160°-170°	1.9	0.1
170°-180°	0.2	0.0
0°-30°	394.0	22.0
0°-40°	647.5	36.2
0°-60°	1166.1	65.1
0°-90°	1590.7	88.8
90°-120°	131.7	7.4
90°-150°	192.4	10.7
90°-180°	200.0	11.2
0°-180°	1791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	503	503	503	503	503	
5°	505	504	499	503	502	48
15°	483	486	484	491	491	136
25°	442	447	452	462	462	204
35°	385	394	406	417	420	240
45°	316	331	350	365	369	244
55°	241	260	284	302	308	215
65°	163	185	213	232	239	161
75°	85	108	139	161	168	90
85°	19	45	76	96	104	22
90°	0	25	53	73	80	1
95°	0	24	51	70	77	0
105°	0	20	48	65	72	1
115°	1	18	40	58	65	1
125°	1	14	34	50	56	1
135°	1	11	28	40	46	1
145°	1	8	20	31	34	1
155°	1	5	12	20	23	0
165°	1	3	6	9	11	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°	503.1	503.1	503.1	503.1	503.1
2.5°	506.2	505.2	500.0	504.1	502.1
5°	505.2	504.1	498.9	503.1	502.1
7.5°	501.0	501.0	497.9	502.1	501.0
10°	496.9	496.9	493.8	498.9	497.9
12.5°	490.6	491.7	489.6	495.8	494.8
15°	483.4	485.5	484.4	490.6	490.6
17.5°	475.1	477.2	477.2	484.4	484.4
20°	464.7	467.8	469.9	478.2	478.2
22.5°	454.3	458.5	461.6	468.9	472.0
25°	441.9	447.1	452.3	461.6	461.6
27.5°	429.4	435.7	441.9	451.2	452.3
30°	414.9	422.2	430.5	439.8	441.9
32.5°	400.4	409.7	418.0	429.4	432.6
35°	384.8	394.2	405.6	417.0	420.1
37.5°	367.2	378.6	393.1	405.6	408.7
40°	351.6	364.1	378.6	393.1	396.3
42.5°	334.0	347.5	365.1	378.6	383.8
45°	316.4	330.9	349.6	365.1	369.3
47.5°	297.7	314.3	335.1	349.6	354.8
50°	279.0	296.7	318.5	335.1	339.2
52.5°	260.4	279.0	301.9	318.5	323.6
55°	240.7	260.4	284.2	301.9	308.1
57.5°	222.0	241.7	266.6	285.3	291.5
60°	201.2	224.1	249.0	267.6	274.9
62.5°	183.6	204.4	231.3	250.0	256.2
65°	162.9	184.6	212.6	232.4	238.6
67.5°	143.1	166.0	194.0	214.7	220.9
70°	123.4	146.3	176.3	196.1	203.3
72.5°	103.7	127.6	156.6	178.4	185.7
75°	85.1	107.9	139.0	160.8	168.0
77.5°	65.4	90.2	121.4	143.1	151.4
80°	47.7	73.6	104.8	126.6	134.9
82.5°	32.2	58.1	89.2	111.0	119.3
85°	18.7	44.6	75.7	96.5	103.7
87.5°	9.3	34.2	63.3	84.0	91.3
90°	0.0	24.9	52.9	72.6	79.9
92.5°	0.0	23.9	51.9	70.5	77.8
95°	0.0	23.9	50.8	69.5	76.8
97.5°	0.0	22.8	49.8	69.5	75.7
100°	0.0	21.8	49.8	68.5	74.7
102.5°	0.0	20.7	48.8	67.4	73.6
105°	0.0	19.7	47.7	65.4	71.6
107.5°	1.0	19.7	45.6	64.3	70.5
110°	1.0	18.7	43.6	63.3	69.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.6	41.5	61.2	67.4
115°	1.0	17.6	40.5	58.1	65.4
117.5°	1.0	16.6	38.4	56.0	63.3
120°	1.0	16.6	37.3	53.9	60.2
122.5°	1.0	15.6	35.3	51.9	58.1
125°	1.0	14.5	34.2	49.8	56.0
127.5°	1.0	13.5	33.2	47.7	53.9
130°	1.0	12.4	31.1	45.6	50.8
132.5°	1.0	12.4	30.1	42.5	48.8
135°	1.0	11.4	28.0	40.5	45.6
137.5°	1.0	10.4	25.9	38.4	43.6
140°	1.0	9.3	23.9	36.3	40.5
142.5°	1.0	9.3	21.8	33.2	37.3
145°	1.0	8.3	19.7	31.1	34.2
147.5°	1.0	7.3	17.6	28.0	31.1
150°	1.0	7.3	15.6	24.9	28.0
152.5°	1.0	6.2	13.5	22.8	25.9
155°	1.0	5.2	12.4	19.7	22.8
157.5°	1.0	5.2	10.4	16.6	19.7
160°	1.0	4.1	9.3	13.5	16.6
162.5°	1.0	4.1	8.3	11.4	14.5
165°	1.0	3.1	6.2	9.3	11.4
167.5°	1.0	3.1	5.2	7.3	9.3
170°	1.0	2.1	4.1	5.2	7.3
172.5°	1.0	2.1	3.1	3.1	3.1
175°	1.0	1.0	2.1	2.1	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)