

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: P565558

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-LC-UNV-L930-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

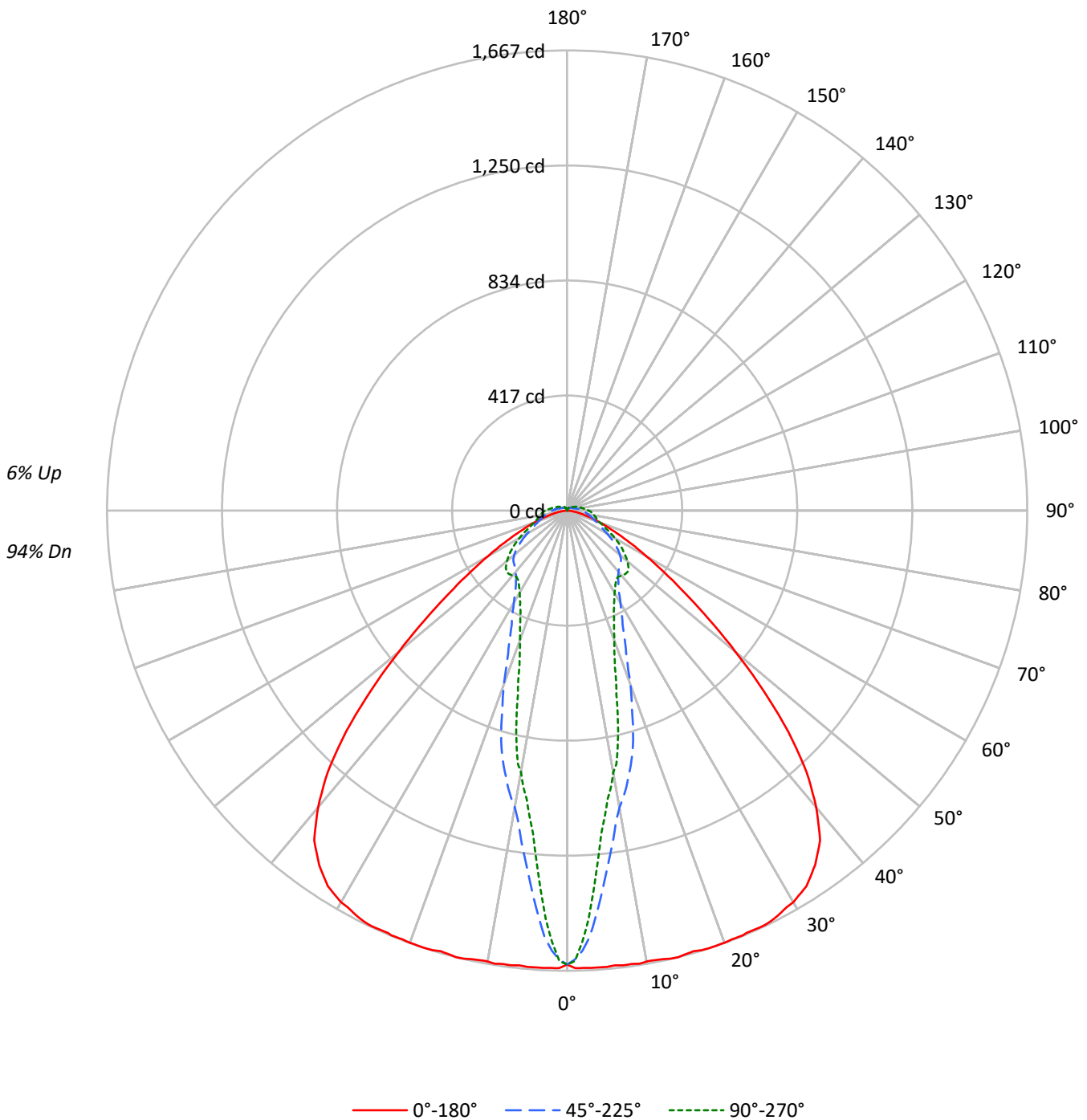
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2027.0 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
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

TEST NUMBER: P565558
CATALOG NUMBER: 2SNX-23SL-LC-UNV-L930-CD

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	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35400	35400	35400
5°	35589	29003	26026
10°	35738	21846	18837
15°	36256	17818	13044
20°	37048	12866	9212
25°	38049	9198	7246
30°	38853	7335	6171
35°	38899	6192	5527
40°	36888	5617	5542
45°	31821	5415	5692
50°	24242	5136	5312
55°	17421	4481	4714
60°	12507	3730	3984
65°	8980	3144	3266
70°	6489	2767	2816
75°	4479	2552	2625
80°	2795	2379	2585
85°	1176	2253	2590



TEST NUMBER: P565558

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	6.4
10°-20°	280.8	13.9
20°-30°	321.4	15.9
30°-40°	322.0	15.9
40°-50°	304.8	15.0
50°-60°	233.8	11.5
60°-70°	150.7	7.4
70°-80°	96.1	4.7
80°-90°	63.8	3.1
90°-100°	42.9	2.1
100°-110°	28.3	1.4
110°-120°	19.7	1.0
120°-130°	13.7	0.7
130°-140°	9.5	0.5
140°-150°	5.8	0.3
150°-160°	3.0	0.1
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	731.6	36.1
0°-40°	1053.6	52.0
0°-60°	1592.2	78.6
0°-90°	1902.8	93.9
90°-120°	90.8	4.5
90°-150°	119.9	5.9
90°-180°	124.0	6.1
0°-180°	2027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1644	1644	1644	1644	1644	
5°	1659	1568	1404	1310	1275	158
15°	1663	1198	913	750	690	472
25°	1664	848	483	420	400	767
35°	1566	472	323	313	308	972
45°	1132	298	272	301	312	861
55°	519	213	210	236	245	478
65°	208	134	132	151	156	214
75°	71	73	91	105	110	78
85°	9	33	64	84	90	13
90°	0	23	54	75	78	0
95°	0	17	45	61	64	0
105°	0	12	29	42	45	1
115°	1	10	22	30	32	1
125°	1	9	19	22	23	1
135°	1	7	14	18	19	1
145°	1	5	10	14	14	1
155°	1	3	6	9	10	1
165°	2	2	4	5	6	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



TEST NUMBER: P565558

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1644.4	1644.4	1644.4	1644.4	1644.4
1°	1657.9	1648.6	1626.7	1633.0	1631.9
2°	1657.9	1638.2	1595.6	1583.1	1564.4
3°	1658.9	1620.5	1547.8	1507.3	1481.3
4°	1658.9	1594.5	1477.2	1409.6	1376.4
5°	1658.9	1567.5	1404.4	1309.9	1274.6
6°	1656.9	1535.3	1330.7	1231.0	1178.0
7°	1660.0	1500.0	1264.2	1157.2	1115.7
8°	1658.9	1458.5	1202.9	1101.1	1055.4
9°	1662.1	1417.9	1136.4	1048.1	1013.9
10°	1658.9	1380.5	1092.8	998.3	963.0
11°	1658.9	1344.2	1061.6	966.1	935.9
12°	1661.0	1302.6	1027.4	920.4	878.8
13°	1666.2	1260.0	987.9	870.5	821.7
14°	1667.3	1227.8	951.5	807.1	756.2
15°	1663.1	1197.7	913.1	750.0	689.8
16°	1661.0	1166.6	867.4	696.0	642.0
17°	1665.2	1130.2	815.4	640.9	591.1
18°	1666.2	1097.0	760.4	599.4	555.8
19°	1666.2	1071.0	715.7	560.9	523.5
20°	1666.2	1046.1	670.0	531.9	499.7
21°	1664.1	1014.9	618.1	501.7	474.7
22.5°	1665.2	956.7	558.9	466.4	444.6
23°	1662.1	942.2	544.3	457.1	434.2
24°	1663.1	900.6	513.2	438.4	416.6
25°	1664.1	847.7	483.0	419.7	399.9
26°	1662.1	805.1	458.1	402.0	388.5
27°	1656.9	770.8	440.4	387.5	375.0
28°	1649.6	725.1	421.7	375.0	363.6
29°	1642.3	673.1	403.0	361.5	353.2
30°	1638.2	631.6	385.4	351.1	343.8
32.5°	1613.2	549.5	349.0	330.3	324.1
35°	1566.5	471.6	323.1	312.7	308.5
37.5°	1505.2	411.4	303.3	301.2	302.3
40°	1404.4	363.6	288.8	298.1	307.5
42.5°	1283.9	326.2	278.4	301.2	311.6
45°	1132.3	298.1	272.2	301.2	311.6
47.5°	964.0	275.3	264.9	290.9	301.2
50°	795.7	254.5	250.3	275.3	284.6
52.5°	647.2	234.8	231.6	255.5	264.9
55°	519.4	213.0	209.8	235.8	245.2
57.5°	416.6	192.2	189.1	213.0	222.3
60°	332.4	171.4	166.2	190.1	199.4
62.5°	264.9	151.7	148.5	169.3	177.6
65°	207.8	134.0	131.9	150.6	155.8



TEST NUMBER: P565558

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	164.1	117.4	118.4	134.0	140.2
70°	126.7	101.8	108.0	122.6	126.7
72.5°	95.6	86.2	99.7	112.2	117.4
75°	70.6	72.7	91.4	104.9	110.1
77.5°	48.8	60.2	84.1	98.7	103.9
80°	33.2	48.8	76.9	93.5	99.7
82.5°	19.7	40.5	70.6	88.3	95.6
85°	9.3	33.2	64.4	84.1	90.4
87.5°	3.1	27.0	58.2	80.0	85.2
90°	0.0	22.9	54.0	74.8	77.9
92.5°	0.0	19.7	48.8	68.6	70.6
95°	0.0	16.6	44.7	61.3	64.4
97.5°	0.0	15.6	41.6	55.1	59.2
100°	0.0	14.5	37.4	49.9	54.0
102.5°	0.0	12.5	33.2	44.7	48.8
105°	0.0	12.5	29.1	41.6	44.7
107.5°	1.0	11.4	27.0	37.4	41.6
110°	1.0	11.4	23.9	35.3	38.4
112.5°	1.0	11.4	22.9	32.2	36.4
115°	1.0	10.4	21.8	30.1	32.2
117.5°	1.0	10.4	20.8	27.0	29.1
120°	1.0	9.3	19.7	24.9	26.0
122.5°	1.0	9.3	18.7	22.9	23.9
125°	1.0	9.3	18.7	21.8	22.9
127.5°	1.0	8.3	17.7	20.8	20.8
130°	1.0	8.3	16.6	19.7	19.7
132.5°	1.0	7.3	15.6	18.7	19.7
135°	1.0	7.3	14.5	17.7	18.7
137.5°	1.0	6.2	13.5	16.6	17.7
140°	1.0	6.2	12.5	15.6	16.6
142.5°	1.0	5.2	11.4	14.5	15.6
145°	1.0	5.2	10.4	13.5	14.5
147.5°	1.0	5.2	9.3	12.5	13.5
150°	1.0	4.2	8.3	11.4	12.5
152.5°	1.0	4.2	7.3	10.4	11.4
155°	1.0	3.1	6.2	9.3	10.4
157.5°	1.0	3.1	6.2	8.3	9.3
160°	2.1	3.1	5.2	7.3	8.3
162.5°	1.0	2.1	5.2	6.2	7.3
165°	2.1	2.1	4.2	5.2	6.2
167.5°	2.1	2.1	3.1	4.2	5.2
170°	2.1	2.1	3.1	3.1	4.2
172.5°	2.1	2.1	2.1	3.1	2.1
175°	2.1	2.1	2.1	2.1	1.0
177.5°	2.1	2.1	2.1	2.1	1.0



TEST NUMBER: P565558

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)