

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: P565554

Luminaire Tested: **2SNX-23SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565554  
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-L830-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

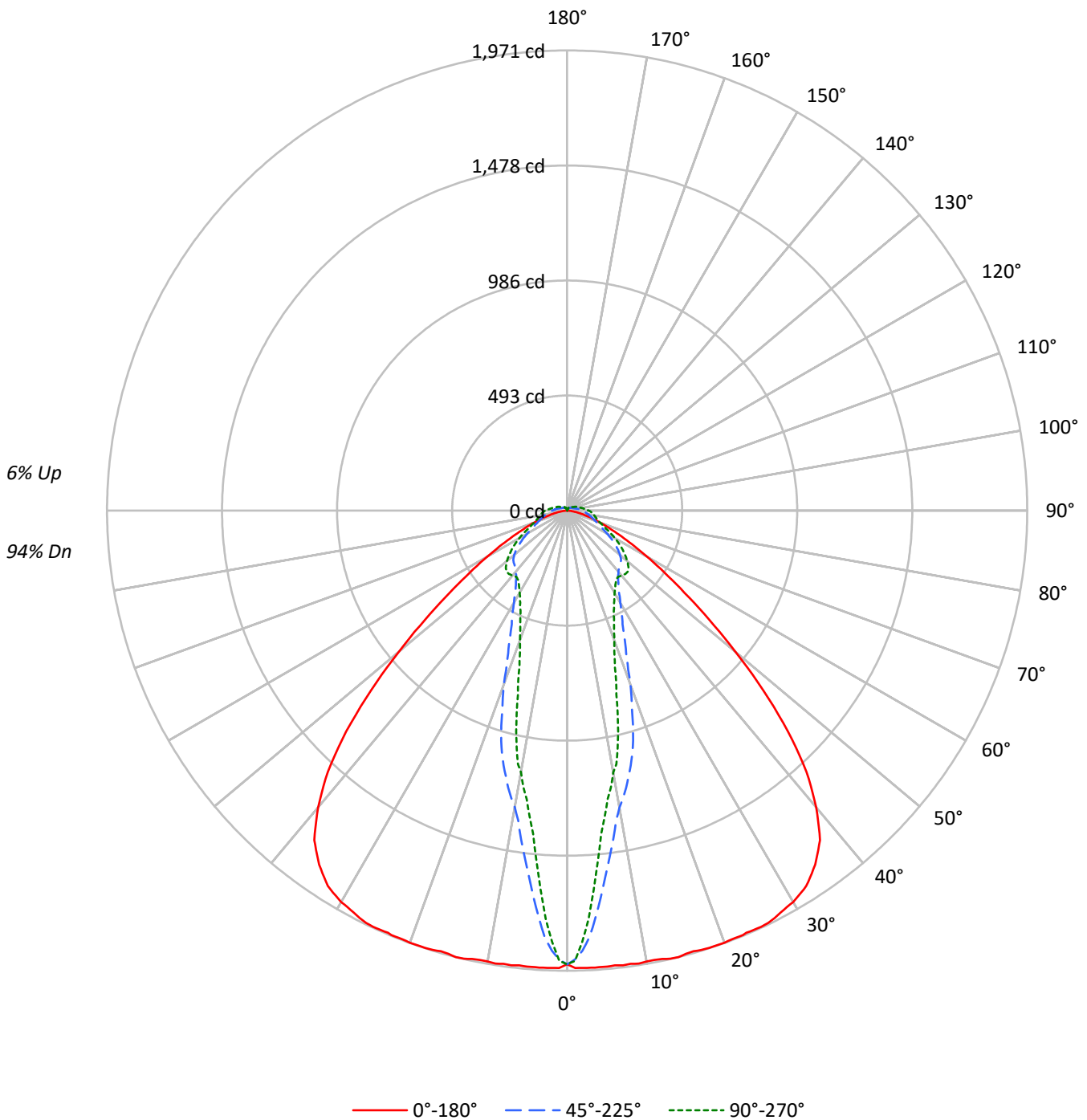
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2396.0 lumens  
Efficiency: N/A  
Efficacy: 160.8 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<sub>in</sub>): 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: P565554  
CATALOG NUMBER: 2SNX-23SL-LC-UNV-L830-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565554

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L830-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	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°	41846	41846	41846
5°	42068	34284	30763
10°	42244	25822	22266
15°	42858	21062	15417
20°	43792	15209	10888
25°	44977	10874	8565
30°	45926	8669	7295
35°	45981	7319	6534
40°	43604	6640	6551
45°	37613	6400	6729
50°	28656	6072	6278
55°	20591	5296	5572
60°	14783	4410	4712
65°	10614	3716	3862
70°	7672	3271	3330
75°	5298	3018	3105
80°	3309	2812	3057
85°	1404	2662	3060



TEST NUMBER: P565554

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L830-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.9	6.4
10°-20°	331.9	13.9
20°-30°	380.0	15.9
30°-40°	380.6	15.9
40°-50°	360.3	15.0
50°-60°	276.3	11.5
60°-70°	178.1	7.4
70°-80°	113.6	4.7
80°-90°	75.4	3.1
90°-100°	50.7	2.1
100°-110°	33.4	1.4
110°-120°	23.2	1.0
120°-130°	16.2	0.7
130°-140°	11.3	0.5
140°-150°	6.9	0.3
150°-160°	3.5	0.1
160°-170°	1.3	0.1
170°-180°	0.3	0.0
0°-30°	864.8	36.1
0°-40°	1245.4	52.0
0°-60°	1882.1	78.6
0°-90°	2249.2	93.9
90°-120°	107.3	4.5
90°-150°	141.7	5.9
90°-180°	147.0	6.1
0°-180°	2396.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1961	1853	1660	1548	1507	187
15°	1966	1416	1079	886	815	558
25°	1967	1002	571	496	473	907
35°	1852	558	382	370	365	1149
45°	1338	352	322	356	368	1018
55°	614	252	248	279	290	565
65°	246	158	156	178	184	253
75°	84	86	108	124	130	92
85°	11	39	76	100	107	15
90°	0	27	64	88	92	1
95°	0	20	53	72	76	0
105°	0	15	34	49	53	1
115°	1	12	26	36	38	1
125°	1	11	22	26	27	1
135°	1	9	17	21	22	1
145°	1	6	12	16	17	1
155°	1	4	7	11	12	1
165°	2	2	5	6	7	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



TEST NUMBER: P565554

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1943.8	1943.8	1943.8	1943.8	1943.8
1°	1959.7	1948.7	1922.9	1930.2	1929.0
2°	1959.7	1936.4	1886.0	1871.3	1849.2
3°	1960.9	1915.5	1829.6	1781.7	1751.0
4°	1960.9	1884.8	1746.1	1666.2	1627.0
5°	1960.9	1852.9	1660.1	1548.4	1506.6
6°	1958.5	1814.8	1572.9	1455.1	1392.4
7°	1962.2	1773.1	1494.3	1367.9	1318.8
8°	1960.9	1724.0	1421.9	1301.6	1247.5
9°	1964.6	1676.1	1343.3	1238.9	1198.4
10°	1960.9	1631.9	1291.7	1180.0	1138.3
11°	1960.9	1588.9	1254.9	1141.9	1106.3
12°	1963.4	1539.8	1214.4	1087.9	1038.8
13°	1969.5	1489.4	1167.7	1029.0	971.3
14°	1970.8	1451.4	1124.7	954.1	893.9
15°	1965.9	1415.8	1079.3	886.5	815.3
16°	1963.4	1378.9	1025.3	822.7	758.8
17°	1968.3	1335.9	963.9	757.6	698.7
18°	1969.5	1296.7	898.8	708.5	656.9
19°	1969.5	1266.0	846.0	663.1	618.9
20°	1969.5	1236.5	792.0	628.7	590.6
21°	1967.1	1199.6	730.6	593.1	561.1
22.5°	1968.3	1130.9	660.6	551.3	525.5
23°	1964.6	1113.7	643.4	540.3	513.3
24°	1965.9	1064.6	606.6	518.2	492.4
25°	1967.1	1002.0	571.0	496.1	472.7
26°	1964.6	951.6	541.5	475.2	459.2
27°	1958.5	911.1	520.6	458.0	443.3
28°	1949.9	857.1	498.5	443.3	429.8
29°	1941.3	795.7	476.4	427.3	417.5
30°	1936.4	746.6	455.5	415.0	406.4
32.5°	1906.9	649.6	412.6	390.5	383.1
35°	1851.7	557.5	381.9	369.6	364.7
37.5°	1779.2	486.2	358.5	356.1	357.3
40°	1660.1	429.8	341.4	352.4	363.5
42.5°	1517.7	385.6	329.1	356.1	368.4
45°	1338.4	352.4	321.7	356.1	368.4
47.5°	1139.5	325.4	313.1	343.8	356.1
50°	940.6	300.8	295.9	325.4	336.4
52.5°	765.0	277.5	273.8	302.1	313.1
55°	613.9	251.7	248.0	278.7	289.8
57.5°	492.4	227.2	223.5	251.7	262.8
60°	392.9	202.6	196.5	224.7	235.8
62.5°	313.1	179.3	175.6	200.1	210.0
65°	245.6	158.4	155.9	178.0	184.2



TEST NUMBER: P565554

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	194.0	138.8	140.0	158.4	165.8
70°	149.8	120.3	127.7	144.9	149.8
72.5°	113.0	101.9	117.9	132.6	138.8
75°	83.5	86.0	108.1	124.0	130.2
77.5°	57.7	71.2	99.5	116.6	122.8
80°	39.3	57.7	90.9	110.5	117.9
82.5°	23.3	47.9	83.5	104.4	113.0
85°	11.1	39.3	76.1	99.5	106.8
87.5°	3.7	31.9	68.8	94.5	100.7
90°	0.0	27.0	63.9	88.4	92.1
92.5°	0.0	23.3	57.7	81.0	83.5
95°	0.0	19.6	52.8	72.4	76.1
97.5°	0.0	18.4	49.1	65.1	70.0
100°	0.0	17.2	44.2	58.9	63.9
102.5°	0.0	14.7	39.3	52.8	57.7
105°	0.0	14.7	34.4	49.1	52.8
107.5°	1.2	13.5	31.9	44.2	49.1
110°	1.2	13.5	28.2	41.7	45.4
112.5°	1.2	13.5	27.0	38.1	43.0
115°	1.2	12.3	25.8	35.6	38.1
117.5°	1.2	12.3	24.6	31.9	34.4
120°	1.2	11.1	23.3	29.5	30.7
122.5°	1.2	11.1	22.1	27.0	28.2
125°	1.2	11.1	22.1	25.8	27.0
127.5°	1.2	9.8	20.9	24.6	24.6
130°	1.2	9.8	19.6	23.3	23.3
132.5°	1.2	8.6	18.4	22.1	23.3
135°	1.2	8.6	17.2	20.9	22.1
137.5°	1.2	7.4	16.0	19.6	20.9
140°	1.2	7.4	14.7	18.4	19.6
142.5°	1.2	6.1	13.5	17.2	18.4
145°	1.2	6.1	12.3	16.0	17.2
147.5°	1.2	6.1	11.1	14.7	16.0
150°	1.2	4.9	9.8	13.5	14.7
152.5°	1.2	4.9	8.6	12.3	13.5
155°	1.2	3.7	7.4	11.1	12.3
157.5°	1.2	3.7	7.4	9.8	11.1
160°	2.5	3.7	6.1	8.6	9.8
162.5°	1.2	2.5	6.1	7.4	8.6
165°	2.5	2.5	4.9	6.1	7.4
167.5°	2.5	2.5	3.7	4.9	6.1
170°	2.5	2.5	3.7	3.7	4.9
172.5°	2.5	2.5	2.5	3.7	2.5
175°	2.5	2.5	2.5	2.5	1.2
177.5°	2.5	2.5	2.5	2.5	1.2



TEST NUMBER: P565554

CATALOG NUMBER: 2SNX-23SL-LC-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)