

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: P565602

Luminaire Tested: **2SNX-25SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565602
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-25SL-LC-UNV-L830-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

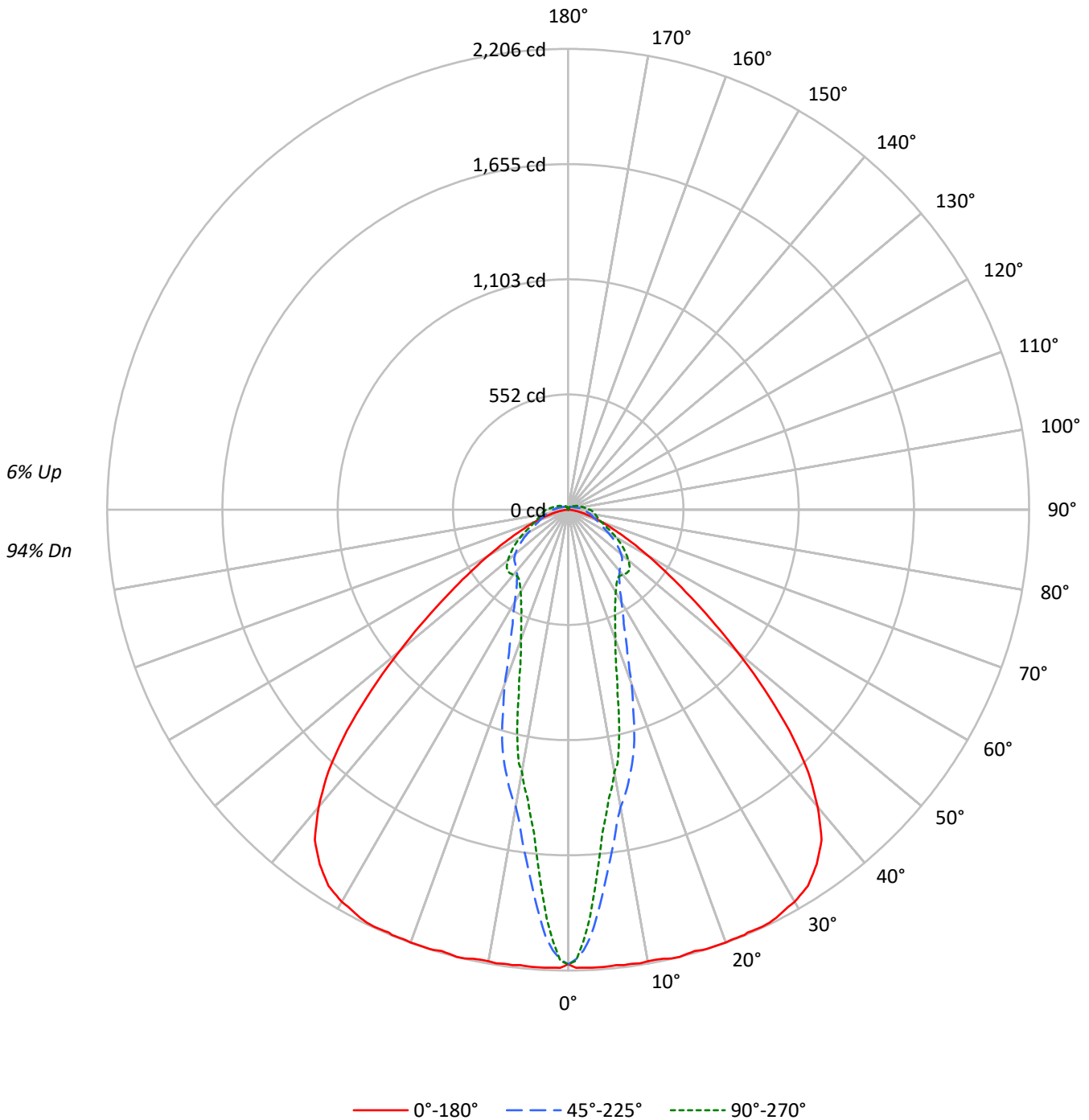
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2682.0 lumens
Efficiency: N/A
Efficacy: 153.3 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): 17.5
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: P565602
CATALOG NUMBER: 2SNX-25SL-LC-UNV-L830-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565602

CATALOG NUMBER: 2SNX-25SL-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°	46840	46840	46840
5°	47091	38377	34437
10°	47288	28904	24922
15°	47972	23575	17257
20°	49019	17023	12188
25°	50346	12171	9589
30°	51407	9704	8165
35°	51469	8193	7314
40°	48810	7431	7331
45°	42104	7164	7531
50°	32074	6797	7029
55°	23049	5929	6237
60°	16547	4935	5273
65°	11880	4161	4323
70°	8589	3661	3728
75°	5932	3378	3474
80°	3704	3146	3420
85°	1569	2980	3427



TEST NUMBER: P565602

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	6.4
10°-20°	371.6	13.9
20°-30°	425.3	15.9
30°-40°	426.1	15.9
40°-50°	403.3	15.0
50°-60°	309.3	11.5
60°-70°	199.4	7.4
70°-80°	127.1	4.7
80°-90°	84.4	3.1
90°-100°	56.8	2.1
100°-110°	37.4	1.4
110°-120°	26.0	1.0
120°-130°	18.1	0.7
130°-140°	12.6	0.5
140°-150°	7.7	0.3
150°-160°	3.9	0.1
160°-170°	1.5	0.1
170°-180°	0.3	0.0
0°-30°	968.0	36.1
0°-40°	1394.1	52.0
0°-60°	2106.7	78.6
0°-90°	2517.7	93.9
90°-120°	120.2	4.5
90°-150°	158.6	5.9
90°-180°	164.0	6.1
0°-180°	2682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2176	2176	2176	2176	2176	
5°	2195	2074	1858	1733	1686	210
15°	2200	1585	1208	992	913	624
25°	2202	1122	639	555	529	1015
35°	2073	624	428	414	408	1286
45°	1498	394	360	399	412	1139
55°	687	282	278	312	324	632
65°	275	177	175	199	206	283
75°	94	96	121	139	146	103
85°	12	44	85	111	120	17
90°	0	30	72	99	103	1
95°	0	22	59	81	85	0
105°	0	16	38	55	59	1
115°	1	14	29	40	43	1
125°	1	12	25	29	30	1
135°	1	10	19	23	25	1
145°	1	7	14	18	19	1
155°	1	4	8	12	14	1
165°	3	3	6	7	8	1
175°	3	3	3	3	1	0
180°	3	3	3	3	3	



TEST NUMBER: P565602

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2175.8	2175.8	2175.8	2175.8	2175.8
1°	2193.6	2181.3	2152.4	2160.6	2159.3
2°	2193.6	2167.5	2111.2	2094.7	2069.9
3°	2195.0	2144.2	2047.9	1994.3	1960.0
4°	2195.0	2109.8	1954.5	1865.1	1821.2
5°	2195.0	2074.1	1858.3	1733.2	1686.5
6°	2192.3	2031.5	1760.7	1628.7	1558.6
7°	2196.4	1984.7	1672.7	1531.1	1476.2
8°	2195.0	1929.7	1591.6	1456.9	1396.5
9°	2199.1	1876.1	1503.7	1386.8	1341.5
10°	2195.0	1826.7	1445.9	1320.9	1274.1
11°	2195.0	1778.5	1404.7	1278.2	1238.4
12°	2197.8	1723.6	1359.3	1217.8	1162.8
13°	2204.6	1667.2	1307.1	1151.8	1087.2
14°	2206.0	1624.6	1259.0	1068.0	1000.6
15°	2200.5	1584.8	1208.1	992.4	912.6
16°	2197.8	1543.5	1147.7	920.9	849.4
17°	2203.3	1495.4	1079.0	848.0	782.1
18°	2204.6	1451.4	1006.1	793.1	735.3
19°	2204.6	1417.1	947.0	742.2	692.7
20°	2204.6	1384.1	886.5	703.7	661.1
21°	2201.9	1342.8	817.8	663.9	628.1
22.5°	2203.3	1265.9	739.5	617.1	588.3
23°	2199.1	1246.6	720.2	604.8	574.5
24°	2200.5	1191.7	679.0	580.0	551.2
25°	2201.9	1121.6	639.1	555.3	529.2
26°	2199.1	1065.2	606.1	531.9	514.0
27°	2192.3	1019.8	582.8	512.7	496.2
28°	2182.6	959.4	558.0	496.2	481.1
29°	2173.0	890.6	533.3	478.3	467.3
30°	2167.5	835.7	509.9	464.6	454.9
32.5°	2134.5	727.1	461.8	437.1	428.8
35°	2072.7	624.0	427.5	413.7	408.2
37.5°	1991.6	544.3	401.3	398.6	400.0
40°	1858.3	481.1	382.1	394.5	406.8
42.5°	1698.8	431.6	368.4	398.6	412.3
45°	1498.2	394.5	360.1	398.6	412.3
47.5°	1275.5	364.2	350.5	384.8	398.6
50°	1052.8	336.7	331.2	364.2	376.6
52.5°	856.3	310.6	306.5	338.1	350.5
55°	687.2	281.8	277.6	312.0	324.4
57.5°	551.2	254.3	250.2	281.8	294.1
60°	439.8	226.8	219.9	251.5	263.9
62.5°	350.5	200.7	196.5	224.0	235.0
65°	274.9	177.3	174.6	199.3	206.2



TEST NUMBER: P565602

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	217.2	155.3	156.7	177.3	185.6
70°	167.7	134.7	142.9	162.2	167.7
72.5°	126.5	114.1	131.9	148.4	155.3
75°	93.5	96.2	121.0	138.8	145.7
77.5°	64.6	79.7	111.3	130.6	137.4
80°	44.0	64.6	101.7	123.7	131.9
82.5°	26.1	53.6	93.5	116.8	126.5
85°	12.4	44.0	85.2	111.3	119.6
87.5°	4.1	35.7	77.0	105.8	112.7
90°	0.0	30.2	71.5	99.0	103.1
92.5°	0.0	26.1	64.6	90.7	93.5
95°	0.0	22.0	59.1	81.1	85.2
97.5°	0.0	20.6	55.0	72.8	78.3
100°	0.0	19.2	49.5	66.0	71.5
102.5°	0.0	16.5	44.0	59.1	64.6
105°	0.0	16.5	38.5	55.0	59.1
107.5°	1.4	15.1	35.7	49.5	55.0
110°	1.4	15.1	31.6	46.7	50.9
112.5°	1.4	15.1	30.2	42.6	48.1
115°	1.4	13.7	28.9	39.9	42.6
117.5°	1.4	13.7	27.5	35.7	38.5
120°	1.4	12.4	26.1	33.0	34.4
122.5°	1.4	12.4	24.7	30.2	31.6
125°	1.4	12.4	24.7	28.9	30.2
127.5°	1.4	11.0	23.4	27.5	27.5
130°	1.4	11.0	22.0	26.1	26.1
132.5°	1.4	9.6	20.6	24.7	26.1
135°	1.4	9.6	19.2	23.4	24.7
137.5°	1.4	8.2	17.9	22.0	23.4
140°	1.4	8.2	16.5	20.6	22.0
142.5°	1.4	6.9	15.1	19.2	20.6
145°	1.4	6.9	13.7	17.9	19.2
147.5°	1.4	6.9	12.4	16.5	17.9
150°	1.4	5.5	11.0	15.1	16.5
152.5°	1.4	5.5	9.6	13.7	15.1
155°	1.4	4.1	8.2	12.4	13.7
157.5°	1.4	4.1	8.2	11.0	12.4
160°	2.7	4.1	6.9	9.6	11.0
162.5°	1.4	2.7	6.9	8.2	9.6
165°	2.7	2.7	5.5	6.9	8.2
167.5°	2.7	2.7	4.1	5.5	6.9
170°	2.7	2.7	4.1	4.1	5.5
172.5°	2.7	2.7	2.7	4.1	2.7
175°	2.7	2.7	2.7	2.7	1.4
177.5°	2.7	2.7	2.7	2.7	1.4



TEST NUMBER: P565602

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)