

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: P565603

Luminaire Tested: **2SNX-25SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565603  
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-L835-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

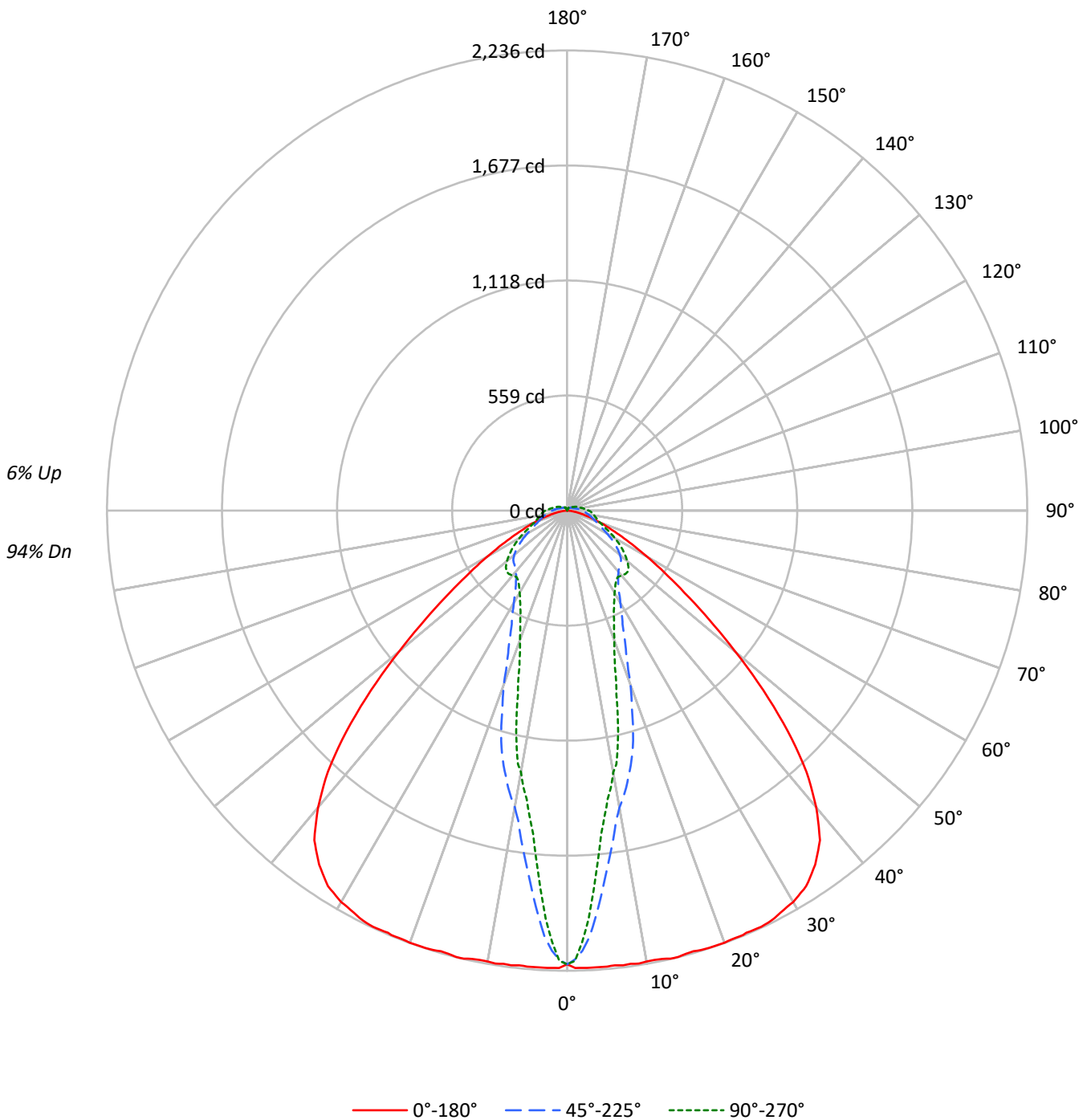
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2718.0 lumens  
Efficiency: N/A  
Efficacy: 155.3 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 (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: P565603  
CATALOG NUMBER: 2SNX-25SL-LC-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565603

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L835-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°	47469	47469	47469
5°	47724	38892	34898
10°	47923	29292	25257
15°	48615	23893	17489
20°	49677	17252	12352
25°	51021	12335	9718
30°	52097	9835	8276
35°	52159	8302	7412
40°	49464	7530	7430
45°	42669	7259	7634
50°	32507	6889	7124
55°	23361	6010	6320
60°	16769	5002	5343
65°	12040	4216	4380
70°	8702	3712	3777
75°	6008	3423	3520
80°	3755	3189	3467
85°	1581	3022	3473



TEST NUMBER: P565603

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.4	6.4
10°-20°	376.6	13.9
20°-30°	431.0	15.9
30°-40°	431.8	15.9
40°-50°	408.7	15.0
50°-60°	313.5	11.5
60°-70°	202.1	7.4
70°-80°	128.8	4.7
80°-90°	85.6	3.1
90°-100°	57.5	2.1
100°-110°	37.9	1.4
110°-120°	26.4	1.0
120°-130°	18.4	0.7
130°-140°	12.8	0.5
140°-150°	7.8	0.3
150°-160°	4.0	0.1
160°-170°	1.5	0.1
170°-180°	0.3	0.0
0°-30°	981.0	36.1
0°-40°	1412.8	52.0
0°-60°	2135.0	78.5
0°-90°	2551.5	93.9
90°-120°	121.8	4.5
90°-150°	160.8	5.9
90°-180°	167.0	6.1
0°-180°	2718.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2205	2205	2205	2205	2205	
5°	2224	2102	1883	1756	1709	212
15°	2230	1606	1224	1006	925	633
25°	2231	1137	648	563	536	1029
35°	2100	632	433	419	414	1303
45°	1518	400	365	404	418	1154
55°	696	286	281	316	329	640
65°	279	180	177	202	209	287
75°	95	98	123	141	148	104
85°	12	45	86	113	121	17
90°	0	31	72	100	104	1
95°	0	22	60	82	86	0
105°	0	17	39	56	60	1
115°	1	14	29	40	43	1
125°	1	12	25	29	31	1
135°	1	10	20	24	25	1
145°	1	7	14	18	20	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: P565603

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2205.0	2205.0	2205.0	2205.0	2205.0
1°	2223.1	2210.5	2181.3	2189.7	2188.3
2°	2223.1	2196.6	2139.5	2122.8	2097.7
3°	2224.5	2172.9	2075.4	2021.1	1986.3
4°	2224.5	2138.1	1980.7	1890.2	1845.6
5°	2224.5	2101.9	1883.2	1756.5	1709.1
6°	2221.7	2058.7	1784.3	1650.6	1579.6
7°	2225.9	2011.4	1695.2	1551.7	1496.0
8°	2224.5	1955.6	1613.0	1476.5	1415.2
9°	2228.7	1901.3	1523.8	1405.4	1359.5
10°	2224.5	1851.2	1465.3	1338.6	1291.2
11°	2224.5	1802.4	1423.6	1295.4	1255.0
12°	2227.3	1746.7	1377.6	1234.1	1178.4
13°	2234.2	1689.6	1324.7	1167.3	1101.8
14°	2235.6	1646.4	1275.9	1082.3	1014.0
15°	2230.0	1606.0	1224.4	1005.7	924.9
16°	2227.3	1564.2	1163.1	933.2	860.8
17°	2232.8	1515.5	1093.4	859.4	792.6
18°	2234.2	1470.9	1019.6	803.7	745.2
19°	2234.2	1436.1	959.7	752.2	702.0
20°	2234.2	1402.7	898.4	713.2	670.0
21°	2231.4	1360.9	828.8	672.8	636.6
22.5°	2232.8	1282.9	749.4	625.4	596.2
23°	2228.7	1263.4	729.9	612.9	582.2
24°	2230.0	1207.7	688.1	587.8	558.6
25°	2231.4	1136.6	647.7	562.7	536.3
26°	2228.7	1079.5	614.3	539.1	520.9
27°	2221.7	1033.5	590.6	519.6	502.8
28°	2211.9	972.2	565.5	502.8	487.5
29°	2202.2	902.6	540.4	484.7	473.6
30°	2196.6	846.9	516.8	470.8	461.1
32.5°	2163.2	736.8	468.0	442.9	434.6
35°	2100.5	632.4	433.2	419.3	413.7
37.5°	2018.3	551.6	406.7	403.9	405.3
40°	1883.2	487.5	387.2	399.8	412.3
42.5°	1721.6	437.4	373.3	403.9	417.9
45°	1518.3	399.8	364.9	403.9	417.9
47.5°	1292.6	369.1	355.2	390.0	403.9
50°	1067.0	341.3	335.7	369.1	381.7
52.5°	867.8	314.8	310.6	342.7	355.2
55°	696.5	285.5	281.4	316.2	328.7
57.5°	558.6	257.7	253.5	285.5	298.1
60°	445.7	229.8	222.9	254.9	267.4
62.5°	355.2	203.4	199.2	227.0	238.2
65°	278.6	179.7	176.9	202.0	208.9



TEST NUMBER: P565603

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	220.1	157.4	158.8	179.7	188.0
70°	169.9	136.5	144.9	164.4	169.9
72.5°	128.1	115.6	133.7	150.4	157.4
75°	94.7	97.5	122.6	140.7	147.6
77.5°	65.5	80.8	112.8	132.3	139.3
80°	44.6	65.5	103.1	125.4	133.7
82.5°	26.5	54.3	94.7	118.4	128.1
85°	12.5	44.6	86.4	112.8	121.2
87.5°	4.2	36.2	78.0	107.3	114.2
90°	0.0	30.6	72.4	100.3	104.5
92.5°	0.0	26.5	65.5	91.9	94.7
95°	0.0	22.3	59.9	82.2	86.4
97.5°	0.0	20.9	55.7	73.8	79.4
100°	0.0	19.5	50.1	66.9	72.4
102.5°	0.0	16.7	44.6	59.9	65.5
105°	0.0	16.7	39.0	55.7	59.9
107.5°	1.4	15.3	36.2	50.1	55.7
110°	1.4	15.3	32.0	47.4	51.5
112.5°	1.4	15.3	30.6	43.2	48.8
115°	1.4	13.9	29.3	40.4	43.2
117.5°	1.4	13.9	27.9	36.2	39.0
120°	1.4	12.5	26.5	33.4	34.8
122.5°	1.4	12.5	25.1	30.6	32.0
125°	1.4	12.5	25.1	29.3	30.6
127.5°	1.4	11.1	23.7	27.9	27.9
130°	1.4	11.1	22.3	26.5	26.5
132.5°	1.4	9.8	20.9	25.1	26.5
135°	1.4	9.8	19.5	23.7	25.1
137.5°	1.4	8.4	18.1	22.3	23.7
140°	1.4	8.4	16.7	20.9	22.3
142.5°	1.4	7.0	15.3	19.5	20.9
145°	1.4	7.0	13.9	18.1	19.5
147.5°	1.4	7.0	12.5	16.7	18.1
150°	1.4	5.6	11.1	15.3	16.7
152.5°	1.4	5.6	9.8	13.9	15.3
155°	1.4	4.2	8.4	12.5	13.9
157.5°	1.4	4.2	8.4	11.1	12.5
160°	2.8	4.2	7.0	9.8	11.1
162.5°	1.4	2.8	7.0	8.4	9.8
165°	2.8	2.8	5.6	7.0	8.4
167.5°	2.8	2.8	4.2	5.6	7.0
170°	2.8	2.8	4.2	4.2	5.6
172.5°	2.8	2.8	2.8	4.2	2.8
175°	2.8	2.8	2.8	2.8	1.4
177.5°	2.8	2.8	2.8	2.8	1.4



TEST NUMBER: P565603

CATALOG NUMBER: 2SNX-25SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)