

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: P565613

Luminaire Tested: **2SNX-25SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565613  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-25SL-LN-UNV-L850-CD  
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

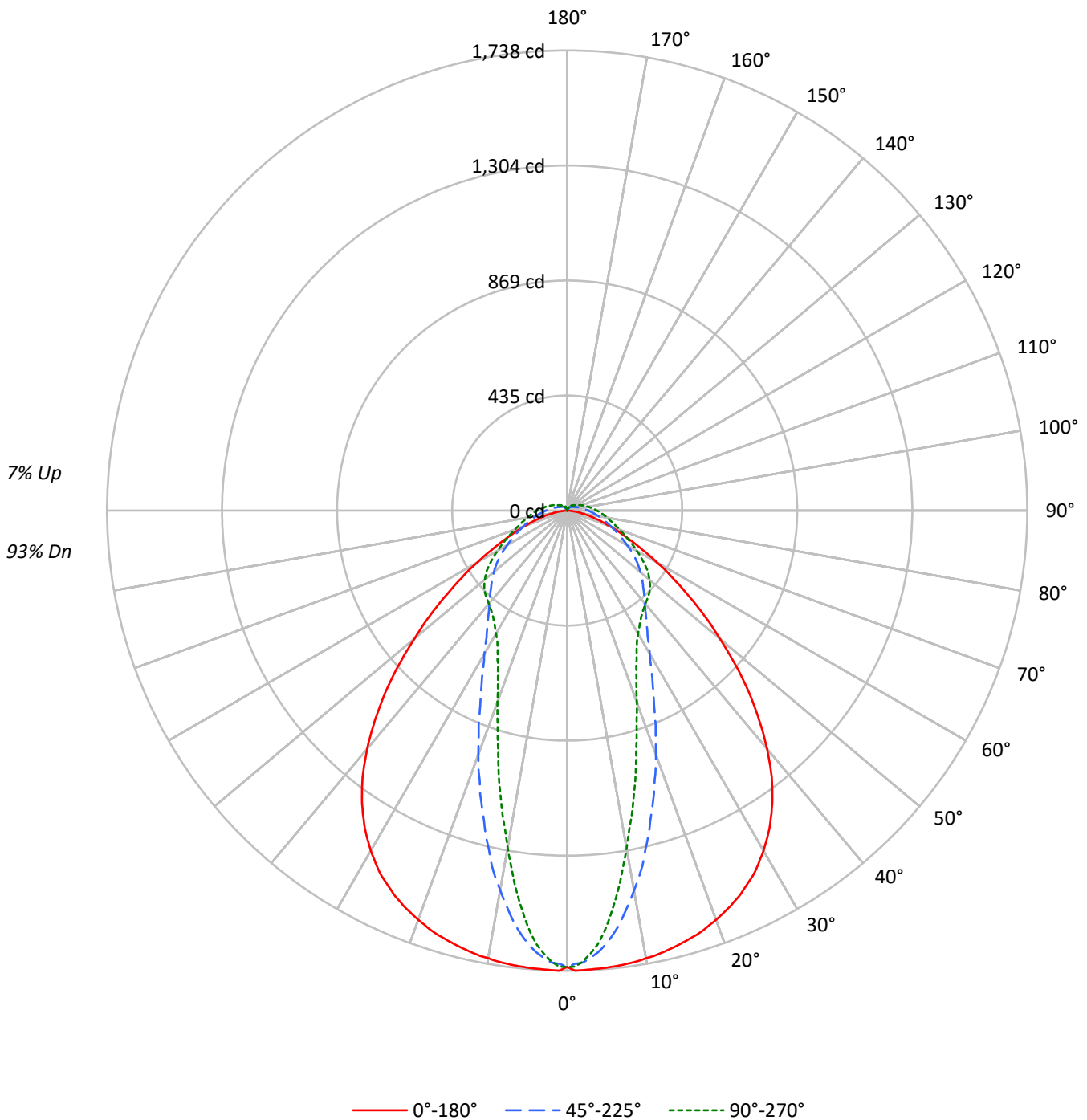
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2747.9 lumens  
Efficiency: N/A  
Efficacy: 157.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
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

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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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	37112	37112	37112
5°	37168	34026	32642
10°	36984	29106	25325
15°	36828	23692	18981
20°	36570	18834	14205
25°	36090	14728	11274
30°	35182	11894	9615
35°	33545	10046	8747
40°	30868	8851	8279
45°	27280	8079	8025
50°	22947	7418	7579
55°	18696	6706	6922
60°	14794	5882	6073
65°	11327	5148	5283
70°	8630	4537	4675
75°	6490	4062	4259
80°	4361	3697	3960
85°	2189	3424	3797



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.7	5.6
10°-20°	357.8	13.0
20°-30°	424.8	15.5
30°-40°	427.4	15.6
40°-50°	397.2	14.5
50°-60°	327.1	11.9
60°-70°	230.5	8.4
70°-80°	150.6	5.5
80°-90°	96.1	3.5
90°-100°	63.0	2.3
100°-110°	42.8	1.6
110°-120°	29.3	1.1
120°-130°	20.3	0.7
130°-140°	13.7	0.5
140°-150°	8.4	0.3
150°-160°	4.4	0.2
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	935.3	34.0
0°-40°	1362.6	49.6
0°-60°	2087.0	75.9
0°-90°	2564.2	93.3
90°-120°	135.2	4.9
90°-150°	177.5	6.5
90°-180°	184.0	6.7
0°-180°	2747.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1732	1710	1648	1616	1599	165
15°	1689	1509	1214	1061	1004	477
25°	1578	1167	773	650	622	726
35°	1351	789	524	491	488	840
45°	971	520	406	428	439	745
55°	557	341	314	348	360	503
65°	262	206	216	243	252	266
75°	102	107	146	171	179	111
85°	17	49	98	127	132	22
90°	0	33	79	108	112	1
95°	0	24	66	91	95	0
105°	0	17	45	63	69	0
115°	1	14	32	46	49	1
125°	1	12	26	33	36	1
135°	1	10	20	26	27	1
145°	1	7	14	20	22	1
155°	1	6	10	14	16	1
165°	1	3	6	7	9	0
175°	3	3	3	3	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1723.9	1723.9	1723.9	1723.9	1723.9
1°	1738.3	1731.1	1712.4	1725.3	1722.5
2°	1736.9	1729.7	1708.1	1713.8	1703.7
3°	1735.4	1725.3	1692.2	1690.8	1676.4
4°	1734.0	1718.1	1672.1	1654.8	1643.3
5°	1732.5	1709.5	1647.6	1615.9	1598.6
6°	1731.1	1699.4	1615.9	1568.4	1543.9
7°	1728.2	1683.6	1582.8	1518.0	1486.3
8°	1725.3	1669.2	1541.0	1463.2	1424.3
9°	1722.5	1650.5	1499.2	1404.2	1358.1
10°	1716.7	1631.7	1456.0	1343.7	1294.7
11°	1713.8	1610.1	1414.3	1286.1	1228.5
12°	1708.1	1587.1	1369.6	1225.6	1175.2
13°	1702.3	1562.6	1314.9	1173.8	1113.3
14°	1696.5	1536.7	1267.4	1116.1	1060.0
15°	1689.3	1509.3	1214.1	1061.4	1003.8
16°	1682.1	1477.6	1166.6	1005.2	944.8
17°	1674.9	1447.4	1121.9	953.4	898.7
18°	1666.3	1417.1	1070.1	903.0	849.7
19°	1654.8	1382.6	1028.3	856.9	807.9
20°	1644.7	1350.9	980.8	813.7	770.5
21°	1633.2	1312.0	933.2	773.4	730.2
22.5°	1615.9	1257.3	872.8	723.0	682.6
23°	1607.2	1241.4	848.3	704.3	669.7
24°	1595.7	1199.7	807.9	675.4	640.9
25°	1578.4	1166.6	773.4	649.5	622.2
26°	1562.6	1126.2	738.8	626.5	599.1
27°	1546.8	1087.3	708.6	602.0	579.0
28°	1526.6	1047.0	675.4	581.8	561.7
29°	1505.0	1009.6	648.1	564.6	548.7
30°	1483.4	967.8	625.0	548.7	535.7
32.5°	1422.9	875.6	566.0	518.5	509.8
35°	1350.9	789.2	524.2	491.1	488.2
37.5°	1270.2	710.0	486.8	469.5	472.4
40°	1175.2	638.0	455.1	453.7	459.4
42.5°	1074.4	576.1	430.6	440.7	449.3
45°	970.7	519.9	406.1	427.7	439.3
47.5°	862.7	470.9	384.5	411.9	424.9
50°	753.2	423.4	361.5	393.2	406.1
52.5°	655.3	381.6	338.4	371.6	386.0
55°	557.4	341.3	314.0	348.5	360.0
57.5°	472.4	303.9	288.0	322.6	331.2
60°	393.2	267.9	262.1	293.8	303.9
62.5°	321.2	236.2	237.6	267.9	278.0
65°	262.1	205.9	216.0	243.4	252.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	213.1	177.1	194.4	223.2	230.4
70°	168.5	151.2	177.1	203.1	210.3
72.5°	133.9	128.2	159.9	187.2	193.0
75°	102.3	106.6	145.5	171.4	178.6
77.5°	73.4	89.3	131.1	158.4	164.2
80°	51.8	73.4	119.5	146.9	152.7
82.5°	33.1	60.5	108.0	136.8	142.6
85°	17.3	49.0	97.9	126.7	132.5
87.5°	7.2	40.3	87.9	116.7	122.4
90°	0.0	33.1	79.2	108.0	112.3
92.5°	0.0	28.8	72.0	99.4	103.7
95°	0.0	24.5	66.2	90.7	95.1
97.5°	0.0	23.0	59.0	83.5	87.9
100°	0.0	20.2	53.3	76.3	82.1
102.5°	0.0	18.7	49.0	69.1	74.9
105°	0.0	17.3	44.6	63.4	69.1
107.5°	0.0	15.8	41.8	59.0	63.4
110°	0.0	15.8	37.4	54.7	59.0
112.5°	1.4	14.4	34.6	49.0	53.3
115°	1.4	14.4	31.7	46.1	49.0
117.5°	1.4	14.4	30.2	41.8	44.6
120°	1.4	13.0	28.8	38.9	41.8
122.5°	1.4	13.0	27.4	36.0	37.4
125°	1.4	11.5	25.9	33.1	36.0
127.5°	1.4	11.5	24.5	31.7	33.1
130°	1.4	11.5	23.0	28.8	31.7
132.5°	1.4	10.1	21.6	27.4	28.8
135°	1.4	10.1	20.2	25.9	27.4
137.5°	1.4	8.6	18.7	24.5	25.9
140°	1.4	8.6	17.3	23.0	24.5
142.5°	1.4	7.2	15.8	21.6	23.0
145°	1.4	7.2	14.4	20.2	21.6
147.5°	1.4	7.2	13.0	18.7	20.2
150°	1.4	5.8	11.5	17.3	18.7
152.5°	1.4	5.8	10.1	15.8	17.3
155°	1.4	5.8	10.1	14.4	15.8
157.5°	1.4	4.3	8.6	11.5	14.4
160°	1.4	4.3	7.2	10.1	13.0
162.5°	1.4	4.3	7.2	8.6	10.1
165°	1.4	2.9	5.8	7.2	8.6
167.5°	1.4	2.9	4.3	5.8	7.2
170°	1.4	2.9	4.3	4.3	5.8
172.5°	1.4	2.9	2.9	2.9	2.9
175°	2.9	2.9	2.9	2.9	1.4
177.5°	2.9	2.9	2.9	1.4	1.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)