

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: P565609

Luminaire Tested: **2SNX-25SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565609
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-L950-CD
Description: 2FT 2500 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

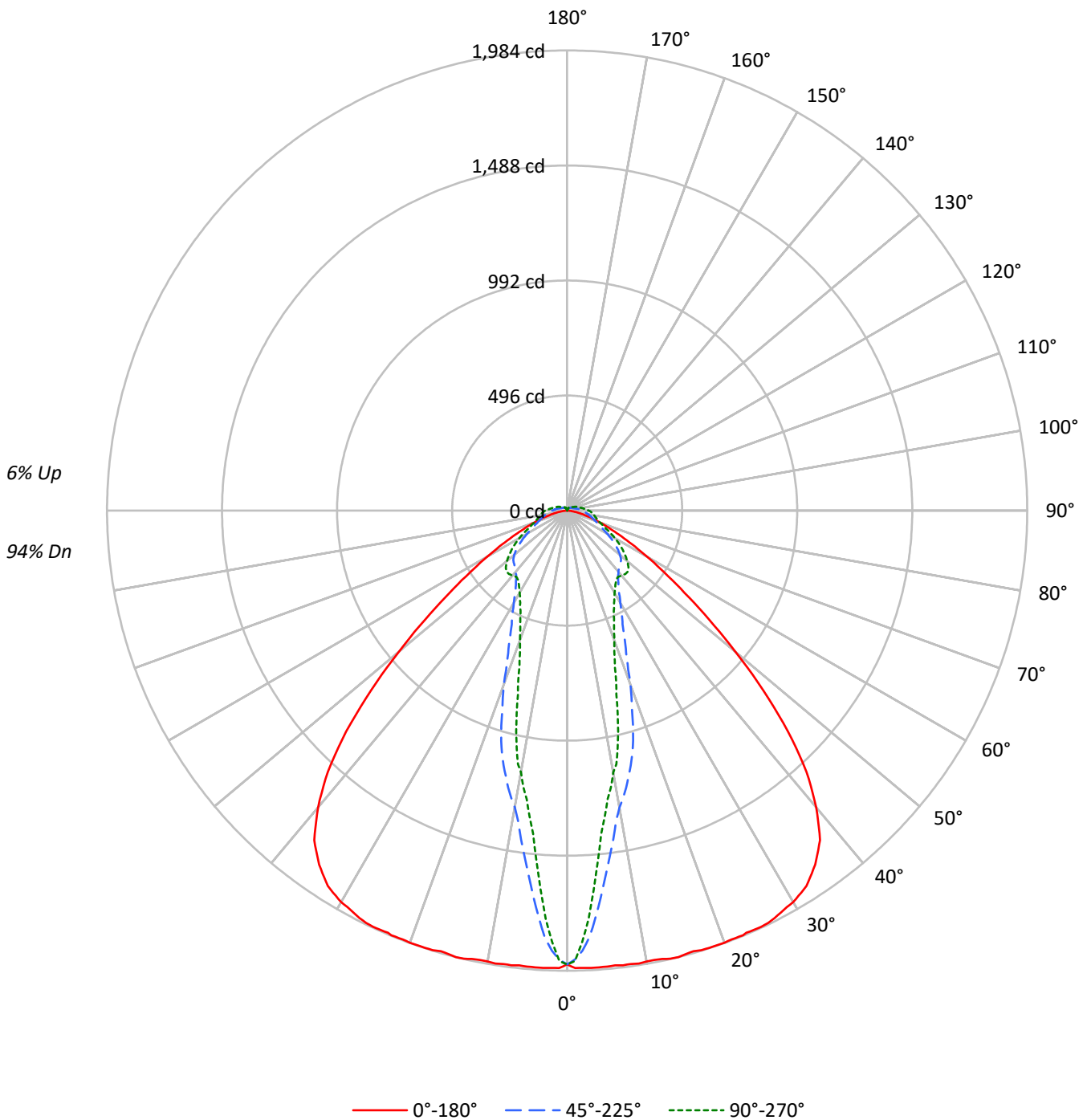
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2412.0 lumens
Efficiency: N/A
Efficacy: 137.8 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): 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	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°	42124	42124	42124
5°	42349	34513	30970
10°	42527	25996	22414
15°	43143	21202	15521
20°	44085	15310	10962
25°	45277	10946	8623
30°	46232	8728	7343
35°	46286	7367	6577
40°	43896	6682	6594
45°	37863	6444	6773
50°	28845	6113	6321
55°	20728	5333	5608
60°	14881	4439	4742
65°	10683	3742	3887
70°	7723	3294	3352
75°	5336	3038	3124
80°	3334	2830	3078
85°	1404	2679	3080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.9	6.4
10°-20°	334.2	13.9
20°-30°	382.5	15.9
30°-40°	383.2	15.9
40°-50°	362.7	15.0
50°-60°	278.2	11.5
60°-70°	179.3	7.4
70°-80°	114.3	4.7
80°-90°	75.9	3.1
90°-100°	51.0	2.1
100°-110°	33.6	1.4
110°-120°	23.4	1.0
120°-130°	16.3	0.7
130°-140°	11.3	0.5
140°-150°	6.9	0.3
150°-160°	3.5	0.1
160°-170°	1.4	0.1
170°-180°	0.3	0.0
0°-30°	870.5	36.1
0°-40°	1253.7	52.0
0°-60°	1894.6	78.6
0°-90°	2264.2	93.9
90°-120°	108.1	4.5
90°-150°	142.6	5.9
90°-180°	148.0	6.1
0°-180°	2412.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1974	1865	1671	1559	1517	188
15°	1979	1425	1086	892	821	561
25°	1980	1009	575	499	476	913
35°	1864	561	384	372	367	1157
45°	1347	355	324	358	371	1024
55°	618	253	250	281	292	568
65°	247	160	157	179	185	254
75°	84	86	109	125	131	92
85°	11	40	77	100	108	15
90°	0	27	64	89	93	1
95°	0	20	53	73	77	0
105°	0	15	35	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	



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CATALOG NUMBER: 2SNX-25SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1956.7	1956.7	1956.7	1956.7	1956.7
1°	1972.8	1961.7	1935.7	1943.1	1941.9
2°	1972.8	1949.3	1898.6	1883.8	1861.6
3°	1974.0	1928.3	1841.8	1793.6	1762.7
4°	1974.0	1897.4	1757.7	1677.4	1637.8
5°	1974.0	1865.3	1671.2	1558.7	1516.7
6°	1971.6	1826.9	1583.4	1464.8	1401.7
7°	1975.3	1784.9	1504.3	1377.0	1327.6
8°	1974.0	1735.5	1431.4	1310.3	1255.9
9°	1977.7	1687.3	1352.3	1247.2	1206.4
10°	1974.0	1642.8	1300.4	1187.9	1145.9
11°	1974.0	1599.5	1263.3	1149.6	1113.7
12°	1976.5	1550.1	1222.5	1095.2	1045.7
13°	1982.7	1499.4	1175.5	1035.8	977.7
14°	1983.9	1461.1	1132.3	960.4	899.9
15°	1979.0	1425.2	1086.5	892.5	820.8
16°	1976.5	1388.1	1032.1	828.2	763.9
17°	1981.5	1344.9	970.3	762.7	703.3
18°	1982.7	1305.3	904.8	713.2	661.3
19°	1982.7	1274.4	851.7	667.5	623.0
20°	1982.7	1244.7	797.3	632.9	594.6
21°	1980.2	1207.7	735.5	597.0	564.9
22.5°	1981.5	1138.4	665.0	555.0	529.0
23°	1977.7	1121.1	647.7	543.9	516.7
24°	1979.0	1071.7	610.6	521.6	495.7
25°	1980.2	1008.6	574.8	499.4	475.9
26°	1977.7	958.0	545.1	478.4	462.3
27°	1971.6	917.2	524.1	461.1	446.2
28°	1962.9	862.8	501.9	446.2	432.6
29°	1954.3	801.0	479.6	430.2	420.3
30°	1949.3	751.5	458.6	417.8	409.1
32.5°	1919.6	653.9	415.3	393.1	385.7
35°	1864.0	561.2	384.4	372.1	367.1
37.5°	1791.1	489.5	360.9	358.5	359.7
40°	1671.2	432.6	343.6	354.8	365.9
42.5°	1527.8	388.1	331.3	358.5	370.8
45°	1347.3	354.8	323.9	358.5	370.8
47.5°	1147.1	327.6	315.2	346.1	358.5
50°	946.8	302.8	297.9	327.6	338.7
52.5°	770.1	279.4	275.6	304.1	315.2
55°	618.0	253.4	249.7	280.6	291.7
57.5°	495.7	228.7	225.0	253.4	264.5
60°	395.5	204.0	197.8	226.2	237.3
62.5°	315.2	180.5	176.8	201.5	211.4
65°	247.2	159.5	157.0	179.2	185.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	195.3	139.7	140.9	159.5	166.9
70°	150.8	121.1	128.6	145.9	150.8
72.5°	113.7	102.6	118.7	133.5	139.7
75°	84.1	86.5	108.8	124.8	131.0
77.5°	58.1	71.7	100.1	117.4	123.6
80°	39.6	58.1	91.5	111.2	118.7
82.5°	23.5	48.2	84.1	105.1	113.7
85°	11.1	39.6	76.6	100.1	107.5
87.5°	3.7	32.1	69.2	95.2	101.4
90°	0.0	27.2	64.3	89.0	92.7
92.5°	0.0	23.5	58.1	81.6	84.1
95°	0.0	19.8	53.2	72.9	76.6
97.5°	0.0	18.5	49.4	65.5	70.5
100°	0.0	17.3	44.5	59.3	64.3
102.5°	0.0	14.8	39.6	53.2	58.1
105°	0.0	14.8	34.6	49.4	53.2
107.5°	1.2	13.6	32.1	44.5	49.4
110°	1.2	13.6	28.4	42.0	45.7
112.5°	1.2	13.6	27.2	38.3	43.3
115°	1.2	12.4	26.0	35.8	38.3
117.5°	1.2	12.4	24.7	32.1	34.6
120°	1.2	11.1	23.5	29.7	30.9
122.5°	1.2	11.1	22.2	27.2	28.4
125°	1.2	11.1	22.2	26.0	27.2
127.5°	1.2	9.9	21.0	24.7	24.7
130°	1.2	9.9	19.8	23.5	23.5
132.5°	1.2	8.7	18.5	22.2	23.5
135°	1.2	8.7	17.3	21.0	22.2
137.5°	1.2	7.4	16.1	19.8	21.0
140°	1.2	7.4	14.8	18.5	19.8
142.5°	1.2	6.2	13.6	17.3	18.5
145°	1.2	6.2	12.4	16.1	17.3
147.5°	1.2	6.2	11.1	14.8	16.1
150°	1.2	4.9	9.9	13.6	14.8
152.5°	1.2	4.9	8.7	12.4	13.6
155°	1.2	3.7	7.4	11.1	12.4
157.5°	1.2	3.7	7.4	9.9	11.1
160°	2.5	3.7	6.2	8.7	9.9
162.5°	1.2	2.5	6.2	7.4	8.7
165°	2.5	2.5	4.9	6.2	7.4
167.5°	2.5	2.5	3.7	4.9	6.2
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)