

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: P566149

Luminaire Tested: **4SNX-22SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566149
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: 4SNX-22SL-LC-UNV-L950-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

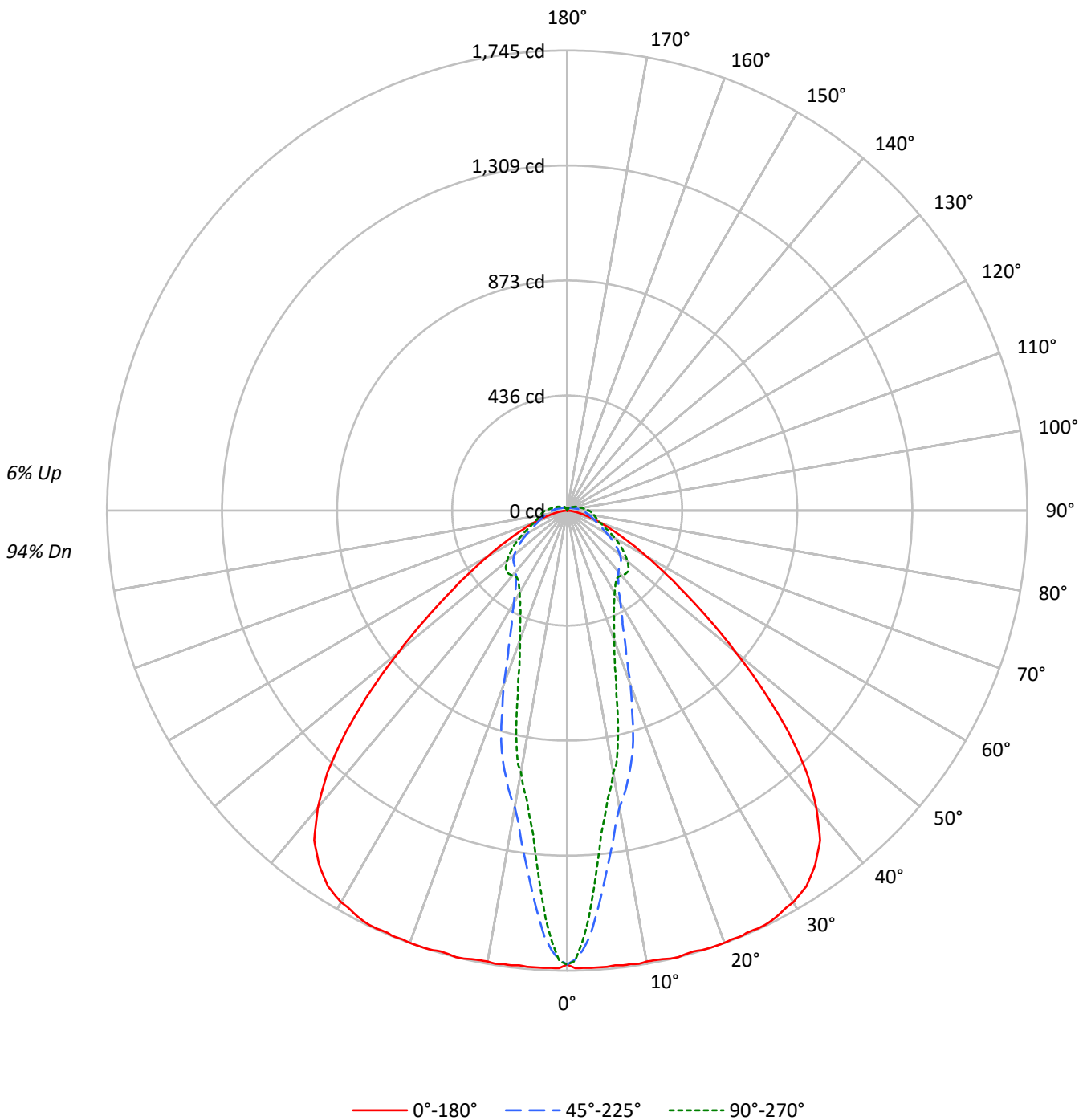
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2122.0 lumens
Efficiency: N/A
Efficacy: 153.8 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P566149
CATALOG NUMBER: 4SNX-22SL-LC-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566149

CATALOG NUMBER: 4SNX-22SL-LC-UNV-L950-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°	18530	18530	18530
5°	18697	15220	13623
10°	18844	11489	9859
15°	19187	9392	6827
20°	19682	6795	4822
25°	20296	4869	3793
30°	20814	3890	3231
35°	20938	3290	2894
40°	19962	2991	2901
45°	17321	2890	2979
50°	13289	2748	2781
55°	9630	2404	2467
60°	6987	2006	2086
65°	5085	1696	1710
70°	3747	1498	1475
75°	2660	1387	1375
80°	1745	1299	1354
85°	820	1238	1355



TEST NUMBER: P566149

CATALOG NUMBER: 4SNX-22SL-LC-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	6.4
10°-20°	294.0	13.9
20°-30°	336.5	15.9
30°-40°	337.1	15.9
40°-50°	319.1	15.0
50°-60°	244.7	11.5
60°-70°	157.8	7.4
70°-80°	100.6	4.7
80°-90°	66.8	3.1
90°-100°	44.9	2.1
100°-110°	29.6	1.4
110°-120°	20.6	1.0
120°-130°	14.4	0.7
130°-140°	10.0	0.5
140°-150°	6.1	0.3
150°-160°	3.1	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	765.9	36.1
0°-40°	1103.0	52.0
0°-60°	1666.8	78.6
0°-90°	1992.0	93.9
90°-120°	95.1	4.5
90°-150°	125.5	5.9
90°-180°	130.0	6.1
0°-180°	2122.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1722	1722	1722	1722	1722	
5°	1737	1641	1470	1371	1334	166
15°	1741	1254	956	785	722	494
25°	1742	887	506	439	419	803
35°	1640	494	338	327	323	1017
45°	1185	312	285	315	326	901
55°	544	223	220	247	257	500
65°	218	140	138	158	163	224
75°	74	76	96	110	115	81
85°	10	35	67	88	95	13
90°	0	24	56	78	82	0
95°	0	17	47	64	67	0
105°	0	13	30	44	47	1
115°	1	11	23	32	34	1
125°	1	10	20	23	24	1
135°	1	8	15	18	20	1
145°	1	5	11	14	15	1
155°	1	3	6	10	11	1
165°	2	2	4	5	6	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



TEST NUMBER: P566149

CATALOG NUMBER: 4SNX-22SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1721.5	1721.5	1721.5	1721.5	1721.5
1°	1735.6	1725.8	1703.0	1709.5	1708.4
2°	1735.6	1714.9	1670.4	1657.3	1637.7
3°	1736.7	1696.5	1620.3	1577.9	1550.7
4°	1736.7	1669.3	1546.4	1475.7	1440.9
5°	1736.7	1641.0	1470.3	1371.3	1334.3
6°	1734.5	1607.3	1393.1	1288.7	1233.2
7°	1737.8	1570.3	1323.5	1211.4	1167.9
8°	1736.7	1526.8	1259.3	1152.7	1104.9
9°	1740.0	1484.4	1189.7	1097.3	1061.4
10°	1736.7	1445.3	1144.0	1045.1	1008.1
11°	1736.7	1407.2	1111.4	1011.3	979.8
12°	1738.9	1363.7	1075.5	963.5	920.0
13°	1744.3	1319.1	1034.2	911.3	860.2
14°	1745.4	1285.4	996.1	845.0	791.7
15°	1741.0	1253.9	955.9	785.2	722.1
16°	1738.9	1221.2	908.0	728.6	672.1
17°	1743.2	1183.2	853.7	671.0	618.8
18°	1744.3	1148.4	796.0	627.5	581.8
19°	1744.3	1121.2	749.3	587.2	548.1
20°	1744.3	1095.1	701.4	556.8	523.1
21°	1742.1	1062.5	647.0	525.2	497.0
22.5°	1743.2	1001.6	585.1	488.3	465.4
23°	1740.0	986.3	569.8	478.5	454.6
24°	1741.0	942.8	537.2	458.9	436.1
25°	1742.1	887.4	505.7	439.3	418.7
26°	1740.0	842.8	479.6	420.9	406.7
27°	1734.5	806.9	461.1	405.6	392.6
28°	1726.9	759.1	441.5	392.6	380.6
29°	1719.3	704.7	421.9	378.4	369.7
30°	1714.9	661.2	403.5	367.6	360.0
32.5°	1688.8	575.3	365.4	345.8	339.3
35°	1639.9	493.7	338.2	327.3	323.0
37.5°	1575.7	430.6	317.5	315.4	316.5
40°	1470.3	380.6	302.3	312.1	321.9
42.5°	1344.1	341.5	291.4	315.4	326.2
45°	1185.3	312.1	284.9	315.4	326.2
47.5°	1009.2	288.2	277.3	304.5	315.4
50°	833.0	266.4	262.1	288.2	298.0
52.5°	677.5	245.8	242.5	267.5	277.3
55°	543.7	222.9	219.7	246.9	256.6
57.5°	436.1	201.2	197.9	222.9	232.7
60°	348.0	179.4	174.0	199.0	208.8
62.5°	277.3	158.8	155.5	177.3	186.0
65°	217.5	140.3	138.1	157.7	163.1



TEST NUMBER: P566149

CATALOG NUMBER: 4SNX-22SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	171.8	122.9	124.0	140.3	146.8
70°	132.7	106.6	113.1	128.3	132.7
72.5°	100.0	90.3	104.4	117.4	122.9
75°	73.9	76.1	95.7	109.8	115.3
77.5°	51.1	63.1	88.1	103.3	108.7
80°	34.8	51.1	80.5	97.9	104.4
82.5°	20.7	42.4	73.9	92.4	100.0
85°	9.8	34.8	67.4	88.1	94.6
87.5°	3.3	28.3	60.9	83.7	89.2
90°	0.0	23.9	56.5	78.3	81.6
92.5°	0.0	20.7	51.1	71.8	73.9
95°	0.0	17.4	46.8	64.2	67.4
97.5°	0.0	16.3	43.5	57.6	62.0
100°	0.0	15.2	39.1	52.2	56.5
102.5°	0.0	13.0	34.8	46.8	51.1
105°	0.0	13.0	30.4	43.5	46.8
107.5°	1.1	12.0	28.3	39.1	43.5
110°	1.1	12.0	25.0	37.0	40.2
112.5°	1.1	12.0	23.9	33.7	38.1
115°	1.1	10.9	22.8	31.5	33.7
117.5°	1.1	10.9	21.7	28.3	30.4
120°	1.1	9.8	20.7	26.1	27.2
122.5°	1.1	9.8	19.6	23.9	25.0
125°	1.1	9.8	19.6	22.8	23.9
127.5°	1.1	8.7	18.5	21.7	21.7
130°	1.1	8.7	17.4	20.7	20.7
132.5°	1.1	7.6	16.3	19.6	20.7
135°	1.1	7.6	15.2	18.5	19.6
137.5°	1.1	6.5	14.1	17.4	18.5
140°	1.1	6.5	13.0	16.3	17.4
142.5°	1.1	5.4	12.0	15.2	16.3
145°	1.1	5.4	10.9	14.1	15.2
147.5°	1.1	5.4	9.8	13.0	14.1
150°	1.1	4.3	8.7	12.0	13.0
152.5°	1.1	4.3	7.6	10.9	12.0
155°	1.1	3.3	6.5	9.8	10.9
157.5°	1.1	3.3	6.5	8.7	9.8
160°	2.2	3.3	5.4	7.6	8.7
162.5°	1.1	2.2	5.4	6.5	7.6
165°	2.2	2.2	4.3	5.4	6.5
167.5°	2.2	2.2	3.3	4.3	5.4
170°	2.2	2.2	3.3	3.3	4.3
172.5°	2.2	2.2	2.2	3.3	2.2
175°	2.2	2.2	2.2	2.2	1.1
177.5°	2.2	2.2	2.2	2.2	1.1



TEST NUMBER: P566149

CATALOG NUMBER: 4SNX-22SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)