

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: P566539

Luminaire Tested: **4SNX-51SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566539
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: 4SNX-51SL-LN-UNV-L935-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

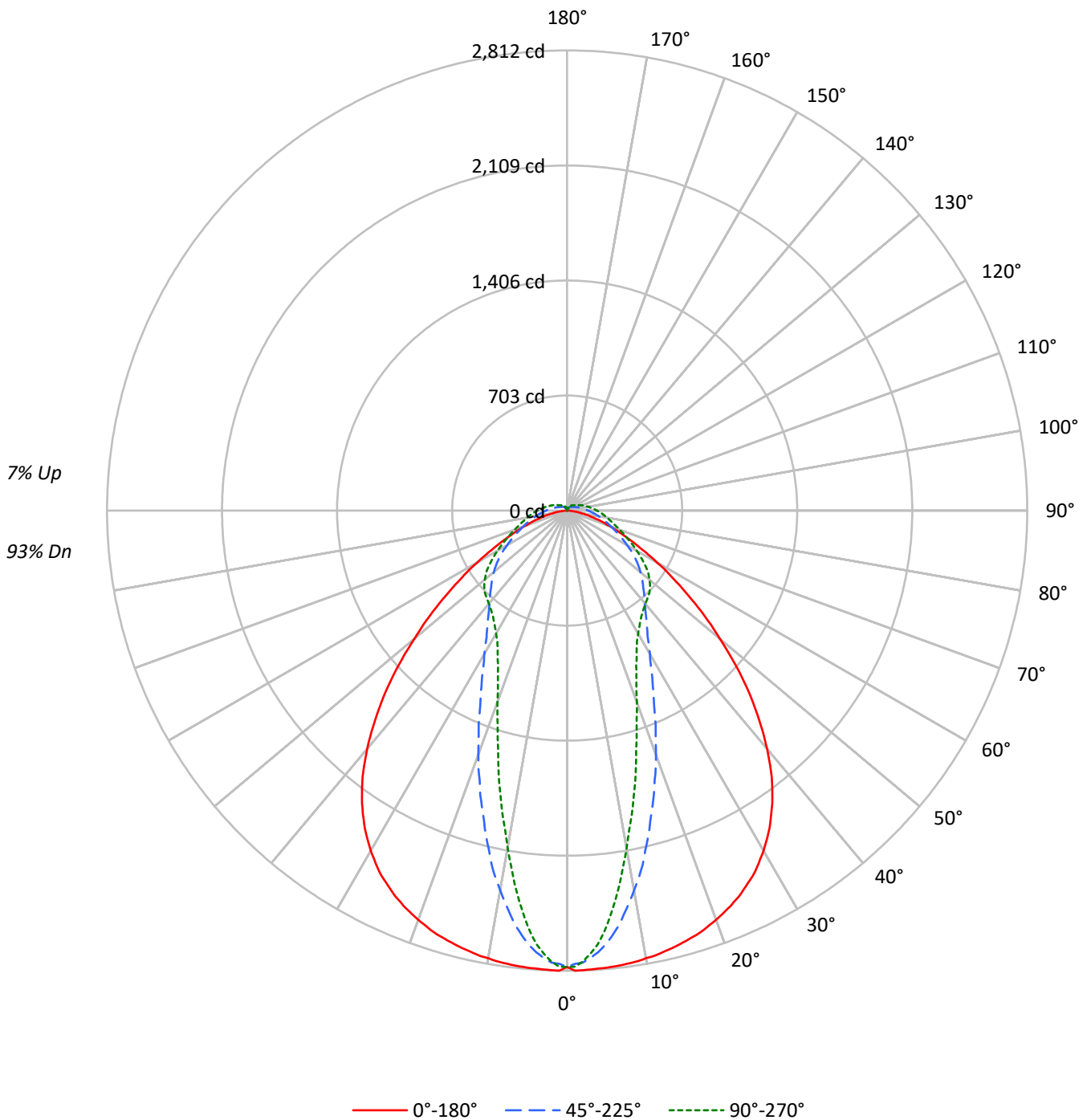
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4446.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 35
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: P566539
CATALOG NUMBER: 4SNX-51SL-LN-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566539

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L935-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	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	67	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°	30022	30022	30022
5°	30178	27593	26406
10°	30137	23658	20487
15°	30121	19299	15355
20°	30026	15374	11491
25°	29753	12047	9120
30°	29129	9750	7779
35°	27905	8252	7076
40°	25813	7284	6698
45°	22951	6665	6491
50°	19441	6133	6132
55°	15971	5558	5600
60°	12772	4889	4912
65°	9916	4292	4275
70°	7698	3796	3781
75°	5953	3411	3445
80°	4207	3121	3202
85°	2342	2909	3072



TEST NUMBER: P566539

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.0	5.6
10°-20°	579.0	13.0
20°-30°	687.2	15.5
30°-40°	691.4	15.6
40°-50°	642.7	14.5
50°-60°	529.2	11.9
60°-70°	372.9	8.4
70°-80°	243.6	5.5
80°-90°	155.5	3.5
90°-100°	102.0	2.3
100°-110°	69.2	1.6
110°-120°	47.5	1.1
120°-130°	32.8	0.7
130°-140°	22.1	0.5
140°-150°	13.6	0.3
150°-160°	7.1	0.2
160°-170°	2.6	0.1
170°-180°	0.4	0.0
0°-30°	1513.2	34.0
0°-40°	2204.6	49.6
0°-60°	3376.6	75.9
0°-90°	4148.7	93.3
90°-120°	218.7	4.9
90°-150°	287.3	6.5
90°-180°	297.0	6.7
0°-180°	4446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2789	2789	2789	2789	2789	
5°	2803	2766	2666	2614	2586	267
15°	2733	2442	1964	1717	1624	772
25°	2554	1887	1251	1051	1007	1175
35°	2186	1277	848	795	790	1359
45°	1570	841	657	692	711	1206
55°	902	552	508	564	582	814
65°	424	333	350	394	408	430
75°	165	172	235	277	289	179
85°	28	79	158	205	214	35
90°	0	54	128	175	182	2
95°	0	40	107	147	154	0
105°	0	28	72	102	112	0
115°	2	23	51	75	79	2
125°	2	19	42	54	58	2
135°	2	16	33	42	44	2
145°	2	12	23	33	35	1
155°	2	9	16	23	26	1
165°	2	5	9	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566539

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2789.1	2789.1	2789.1	2789.1	2789.1
1°	2812.4	2800.8	2770.5	2791.4	2786.8
2°	2810.1	2798.4	2763.5	2772.8	2756.5
3°	2807.7	2791.4	2737.8	2735.5	2712.2
4°	2805.4	2779.8	2705.2	2677.3	2658.6
5°	2803.1	2765.8	2665.6	2614.4	2586.4
6°	2800.8	2749.5	2614.4	2537.5	2497.8
7°	2796.1	2723.9	2560.8	2455.9	2404.6
8°	2791.4	2700.6	2493.2	2367.4	2304.5
9°	2786.8	2670.3	2425.6	2271.8	2197.3
10°	2777.5	2640.0	2355.7	2174.0	2094.7
11°	2772.8	2605.0	2288.1	2080.8	1987.6
12°	2763.5	2567.8	2215.9	1982.9	1901.3
13°	2754.2	2528.1	2127.4	1899.0	1801.2
14°	2744.8	2486.2	2050.5	1805.8	1714.9
15°	2733.2	2441.9	1964.3	1717.3	1624.1
16°	2721.5	2390.7	1887.4	1626.4	1528.5
17°	2709.9	2341.7	1815.1	1542.5	1454.0
18°	2695.9	2292.8	1731.3	1461.0	1374.7
19°	2677.3	2236.9	1663.7	1386.4	1307.2
20°	2661.0	2185.6	1586.8	1316.5	1246.6
21°	2642.3	2122.7	1509.9	1251.3	1181.4
22.5°	2614.4	2034.2	1412.0	1169.7	1104.5
23°	2600.4	2008.5	1372.4	1139.4	1083.5
24°	2581.7	1941.0	1307.2	1092.8	1036.9
25°	2553.8	1887.4	1251.3	1050.9	1006.6
26°	2528.1	1822.1	1195.3	1013.6	969.3
27°	2502.5	1759.2	1146.4	974.0	936.7
28°	2469.9	1694.0	1092.8	941.4	908.7
29°	2434.9	1633.4	1048.5	913.4	887.8
30°	2400.0	1565.8	1011.3	887.8	866.8
32.5°	2302.1	1416.7	915.7	838.8	824.8
35°	2185.6	1276.9	848.2	794.6	789.9
37.5°	2055.1	1148.7	787.6	759.6	764.3
40°	1901.3	1032.2	736.3	734.0	743.3
42.5°	1738.2	932.0	696.7	713.0	727.0
45°	1570.5	841.2	657.1	692.0	710.7
47.5°	1395.7	761.9	622.1	666.4	687.4
50°	1218.6	685.0	584.9	636.1	657.1
52.5°	1060.2	617.5	547.6	601.2	624.5
55°	901.7	552.2	508.0	563.9	582.5
57.5°	764.3	491.6	466.0	521.9	535.9
60°	636.1	433.4	424.1	475.3	491.6
62.5°	519.6	382.1	384.5	433.4	449.7
65°	424.1	333.2	349.5	393.8	407.8



TEST NUMBER: P566539

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	344.9	286.6	314.6	361.2	372.8
70°	272.6	244.7	286.6	328.5	340.2
72.5°	216.7	207.4	258.6	302.9	312.2
75°	165.4	172.4	235.3	277.3	288.9
77.5°	118.8	144.5	212.0	256.3	265.6
80°	83.9	118.8	193.4	237.7	247.0
82.5°	53.6	97.9	174.8	221.4	230.7
85°	28.0	79.2	158.4	205.0	214.4
87.5°	11.7	65.2	142.1	188.7	198.1
90°	0.0	53.6	128.2	174.8	181.7
92.5°	0.0	46.6	116.5	160.8	167.8
95°	0.0	39.6	107.2	146.8	153.8
97.5°	0.0	37.3	95.5	135.1	142.1
100°	0.0	32.6	86.2	123.5	132.8
102.5°	0.0	30.3	79.2	111.8	121.2
105°	0.0	28.0	72.2	102.5	111.8
107.5°	0.0	25.6	67.6	95.5	102.5
110°	0.0	25.6	60.6	88.5	95.5
112.5°	2.3	23.3	55.9	79.2	86.2
115°	2.3	23.3	51.3	74.6	79.2
117.5°	2.3	23.3	48.9	67.6	72.2
120°	2.3	21.0	46.6	62.9	67.6
122.5°	2.3	21.0	44.3	58.3	60.6
125°	2.3	18.6	41.9	53.6	58.3
127.5°	2.3	18.6	39.6	51.3	53.6
130°	2.3	18.6	37.3	46.6	51.3
132.5°	2.3	16.3	35.0	44.3	46.6
135°	2.3	16.3	32.6	41.9	44.3
137.5°	2.3	14.0	30.3	39.6	41.9
140°	2.3	14.0	28.0	37.3	39.6
142.5°	2.3	11.7	25.6	35.0	37.3
145°	2.3	11.7	23.3	32.6	35.0
147.5°	2.3	11.7	21.0	30.3	32.6
150°	2.3	9.3	18.6	28.0	30.3
152.5°	2.3	9.3	16.3	25.6	28.0
155°	2.3	9.3	16.3	23.3	25.6
157.5°	2.3	7.0	14.0	18.6	23.3
160°	2.3	7.0	11.7	16.3	21.0
162.5°	2.3	7.0	11.7	14.0	16.3
165°	2.3	4.7	9.3	11.7	14.0
167.5°	2.3	4.7	7.0	9.3	11.7
170°	2.3	4.7	7.0	7.0	9.3
172.5°	2.3	4.7	4.7	4.7	4.7
175°	4.7	4.7	4.7	4.7	2.3
177.5°	4.7	4.7	4.7	2.3	2.3



TEST NUMBER: P566539

CATALOG NUMBER: 4SNX-51SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)