

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: P566538

Luminaire Tested: **4SNX-51SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566538
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-L930-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

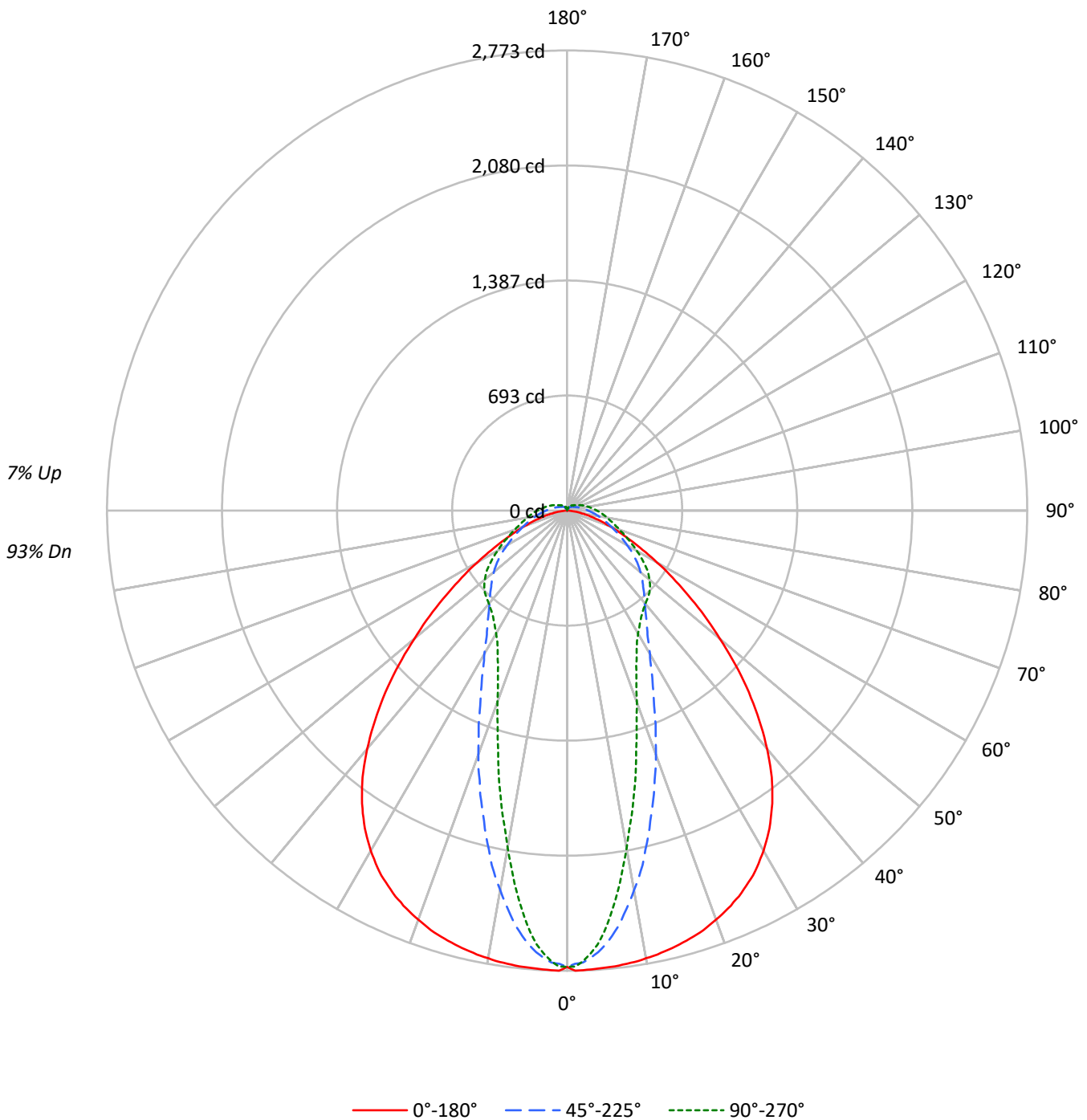
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4384.1 lumens
Efficiency: N/A
Efficacy: 125.3 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 (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

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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	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°	29603	29603	29603
5°	29757	27208	26037
10°	29716	23329	20201
15°	29702	19030	15141
20°	29606	15160	11331
25°	29338	11879	8993
30°	28722	9614	7671
35°	27516	8136	6978
40°	25453	7183	6604
45°	22631	6571	6401
50°	19170	6047	6046
55°	15750	5480	5522
60°	12593	4821	4844
65°	9778	4232	4215
70°	7591	3743	3728
75°	5870	3364	3397
80°	4146	3078	3157
85°	2309	2869	3029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.5	5.6
10°-20°	570.9	13.0
20°-30°	677.6	15.5
30°-40°	681.8	15.6
40°-50°	633.7	14.5
50°-60°	521.9	11.9
60°-70°	367.7	8.4
70°-80°	240.2	5.5
80°-90°	153.4	3.5
90°-100°	100.6	2.3
100°-110°	68.3	1.6
110°-120°	46.8	1.1
120°-130°	32.4	0.7
130°-140°	21.8	0.5
140°-150°	13.4	0.3
150°-160°	7.0	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1492.1	34.0
0°-40°	2173.9	49.6
0°-60°	3329.5	75.9
0°-90°	4090.8	93.3
90°-120°	215.7	4.9
90°-150°	283.3	6.5
90°-180°	293.0	6.7
0°-180°	4384.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2750	2750	2750	2750	2750	
5°	2764	2727	2628	2578	2550	263
15°	2695	2408	1937	1693	1601	761
25°	2518	1861	1234	1036	993	1159
35°	2155	1259	836	784	779	1340
45°	1549	829	648	682	701	1189
55°	889	544	501	556	574	803
65°	418	329	345	388	402	424
75°	163	170	232	273	285	176
85°	28	78	156	202	211	35
90°	0	53	126	172	179	2
95°	0	39	106	145	152	0
105°	0	28	71	101	110	0
115°	2	23	50	74	78	2
125°	2	18	41	53	57	2
135°	2	16	32	41	44	2
145°	2	12	23	32	34	1
155°	2	9	16	23	25	1
165°	2	5	9	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2750.2	2750.2	2750.2	2750.2	2750.2
1°	2773.2	2761.7	2731.8	2752.5	2747.9
2°	2770.9	2759.4	2724.9	2734.1	2718.0
3°	2768.6	2752.5	2699.7	2697.4	2674.4
4°	2766.3	2741.0	2667.5	2639.9	2621.5
5°	2764.0	2727.2	2628.4	2577.9	2550.3
6°	2761.7	2711.2	2577.9	2502.1	2463.0
7°	2757.1	2685.9	2525.1	2421.7	2371.1
8°	2752.5	2662.9	2458.4	2334.4	2272.3
9°	2747.9	2633.0	2391.8	2240.1	2166.6
10°	2738.7	2603.2	2322.9	2143.7	2065.5
11°	2734.1	2568.7	2256.2	2051.7	1959.8
12°	2724.9	2531.9	2185.0	1955.2	1874.8
13°	2715.8	2492.9	2097.7	1872.5	1776.0
14°	2706.6	2451.5	2021.9	1780.6	1691.0
15°	2695.1	2407.9	1936.9	1693.3	1601.4
16°	2683.6	2357.3	1861.0	1603.7	1507.2
17°	2672.1	2309.1	1789.8	1521.0	1433.7
18°	2658.3	2260.8	1707.1	1440.6	1355.6
19°	2639.9	2205.7	1640.5	1367.1	1288.9
20°	2623.8	2155.1	1564.7	1298.1	1229.2
21°	2605.5	2093.1	1488.8	1233.8	1164.9
22.5°	2577.9	2005.8	1392.3	1153.4	1089.1
23°	2564.1	1980.5	1353.3	1123.5	1068.4
24°	2545.7	1913.9	1288.9	1077.6	1022.4
25°	2518.2	1861.0	1233.8	1036.2	992.6
26°	2492.9	1796.7	1178.7	999.5	955.8
27°	2467.6	1734.7	1130.4	960.4	923.6
28°	2435.4	1670.3	1077.6	928.2	896.1
29°	2401.0	1610.6	1033.9	900.7	875.4
30°	2366.5	1544.0	997.2	875.4	854.7
32.5°	2270.0	1396.9	903.0	827.1	813.3
35°	2155.1	1259.1	836.3	783.5	778.9
37.5°	2026.5	1132.7	776.6	749.0	753.6
40°	1874.8	1017.8	726.0	723.7	732.9
42.5°	1714.0	919.0	687.0	703.1	716.8
45°	1548.6	829.4	647.9	682.4	700.8
47.5°	1376.3	751.3	613.5	657.1	677.8
50°	1201.6	675.5	576.7	627.2	647.9
52.5°	1045.4	608.9	539.9	592.8	615.8
55°	889.2	544.5	500.9	556.0	574.4
57.5°	753.6	484.8	459.5	514.7	528.4
60°	627.2	427.4	418.2	468.7	484.8
62.5°	512.4	376.8	379.1	427.4	443.4
65°	418.2	328.6	344.6	388.3	402.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	340.0	282.6	310.2	356.1	367.6
70°	268.8	241.2	282.6	324.0	335.4
72.5°	213.7	204.5	255.0	298.7	307.9
75°	163.1	170.0	232.1	273.4	284.9
77.5°	117.2	142.5	209.1	252.7	261.9
80°	82.7	117.2	190.7	234.4	243.5
82.5°	52.8	96.5	172.3	218.3	227.5
85°	27.6	78.1	156.2	202.2	211.4
87.5°	11.5	64.3	140.2	186.1	195.3
90°	0.0	52.8	126.4	172.3	179.2
92.5°	0.0	46.0	114.9	158.5	165.4
95°	0.0	39.1	105.7	144.7	151.6
97.5°	0.0	36.8	94.2	133.3	140.2
100°	0.0	32.2	85.0	121.8	131.0
102.5°	0.0	29.9	78.1	110.3	119.5
105°	0.0	27.6	71.2	101.1	110.3
107.5°	0.0	25.3	66.6	94.2	101.1
110°	0.0	25.3	59.7	87.3	94.2
112.5°	2.3	23.0	55.1	78.1	85.0
115°	2.3	23.0	50.5	73.5	78.1
117.5°	2.3	23.0	48.2	66.6	71.2
120°	2.3	20.7	46.0	62.0	66.6
122.5°	2.3	20.7	43.7	57.4	59.7
125°	2.3	18.4	41.4	52.8	57.4
127.5°	2.3	18.4	39.1	50.5	52.8
130°	2.3	18.4	36.8	46.0	50.5
132.5°	2.3	16.1	34.5	43.7	46.0
135°	2.3	16.1	32.2	41.4	43.7
137.5°	2.3	13.8	29.9	39.1	41.4
140°	2.3	13.8	27.6	36.8	39.1
142.5°	2.3	11.5	25.3	34.5	36.8
145°	2.3	11.5	23.0	32.2	34.5
147.5°	2.3	11.5	20.7	29.9	32.2
150°	2.3	9.2	18.4	27.6	29.9
152.5°	2.3	9.2	16.1	25.3	27.6
155°	2.3	9.2	16.1	23.0	25.3
157.5°	2.3	6.9	13.8	18.4	23.0
160°	2.3	6.9	11.5	16.1	20.7
162.5°	2.3	6.9	11.5	13.8	16.1
165°	2.3	4.6	9.2	11.5	13.8
167.5°	2.3	4.6	6.9	9.2	11.5
170°	2.3	4.6	6.9	6.9	9.2
172.5°	2.3	4.6	4.6	4.6	4.6
175°	4.6	4.6	4.6	4.6	2.3
177.5°	4.6	4.6	4.6	2.3	2.3



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)