

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: P566541

Luminaire Tested: **4SNX-51SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566541
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-L950-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

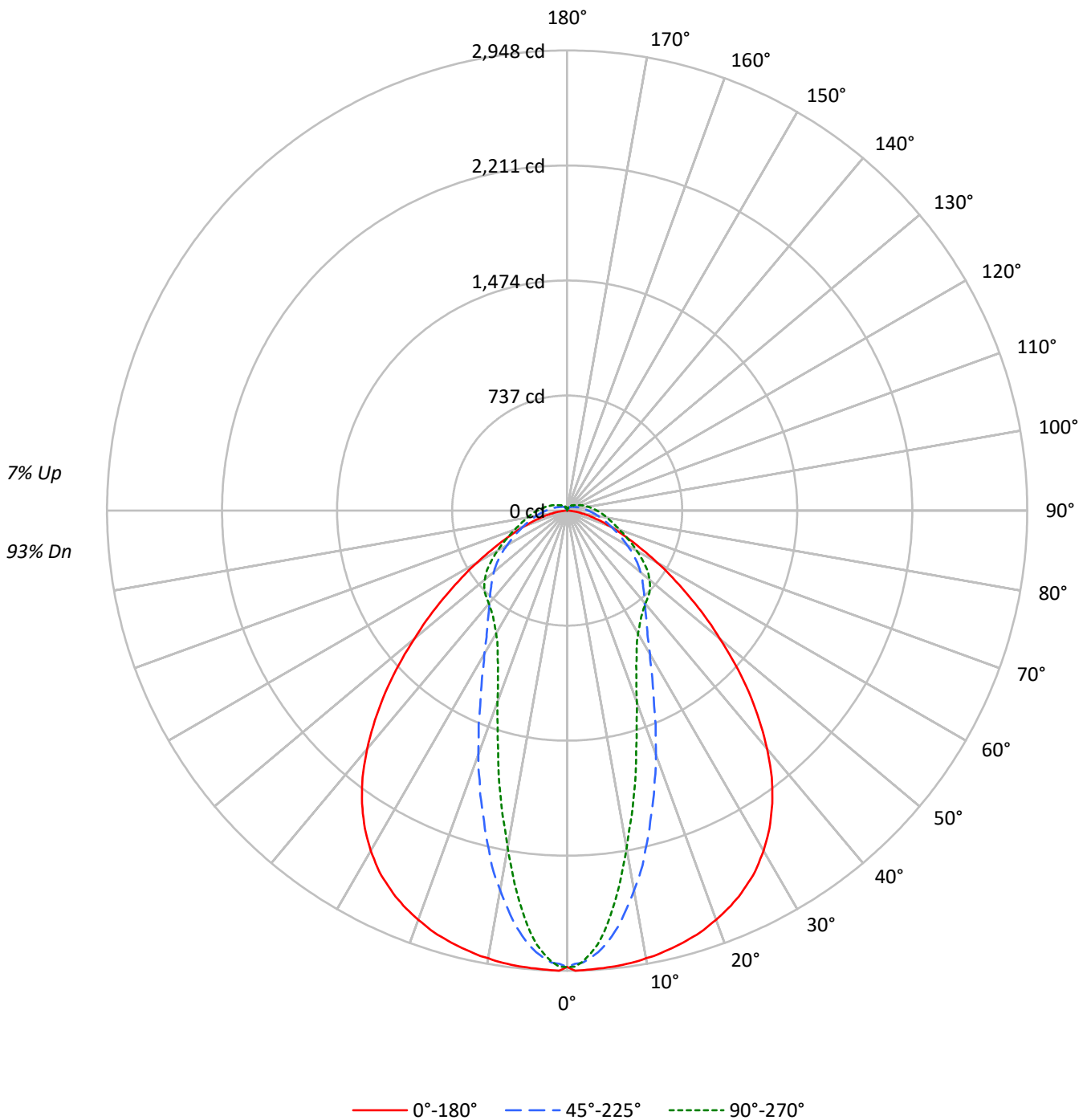
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4661.0 lumens
Efficiency: N/A
Efficacy: 133.2 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	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°	31474	31474	31474
5°	31636	28927	27683
10°	31594	24802	21477
15°	31578	20232	16098
20°	31477	16117	12047
25°	31191	12630	9561
30°	30537	10221	8155
35°	29255	8650	7418
40°	27062	7637	7021
45°	24060	6987	6804
50°	20382	6429	6429
55°	16743	5826	5871
60°	13391	5125	5149
65°	10395	4499	4481
70°	8071	3980	3963
75°	6241	3576	3611
80°	4407	3272	3357
85°	2451	3050	3219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	5.6
10°-20°	607.0	13.0
20°-30°	720.5	15.5
30°-40°	724.9	15.6
40°-50°	673.8	14.5
50°-60°	554.8	11.9
60°-70°	391.0	8.4
70°-80°	255.4	5.5
80°-90°	163.1	3.5
90°-100°	107.0	2.3
100°-110°	72.6	1.6
110°-120°	49.8	1.1
120°-130°	34.4	0.7
130°-140°	23.2	0.5
140°-150°	14.3	0.3
150°-160°	7.4	0.2
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1586.4	34.0
0°-40°	2311.2	49.6
0°-60°	3539.8	75.9
0°-90°	4349.3	93.3
90°-120°	229.3	4.9
90°-150°	301.2	6.5
90°-180°	312.0	6.7
0°-180°	4661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2924	2924	2924	2924	2924	
5°	2939	2900	2794	2741	2712	280
15°	2865	2560	2059	1800	1703	809
25°	2677	1979	1312	1102	1055	1232
35°	2291	1339	889	833	828	1425
45°	1646	882	689	726	745	1264
55°	945	579	532	591	611	854
65°	445	349	366	413	428	451
75°	173	181	247	291	303	188
85°	29	83	166	215	225	37
90°	0	56	134	183	190	2
95°	0	42	112	154	161	0
105°	0	29	76	108	117	0
115°	2	24	54	78	83	2
125°	2	20	44	56	61	2
135°	2	17	34	44	46	2
145°	2	12	24	34	37	2
155°	2	10	17	24	27	1
165°	2	5	10	12	15	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°	2924.0	2924.0	2924.0	2924.0	2924.0
1°	2948.4	2936.2	2904.4	2926.4	2921.5
2°	2946.0	2933.8	2897.1	2906.9	2889.8
3°	2943.5	2926.4	2870.2	2867.8	2843.4
4°	2941.1	2914.2	2836.0	2806.7	2787.2
5°	2938.6	2899.6	2794.5	2740.8	2711.5
6°	2936.2	2882.5	2740.8	2660.2	2618.6
7°	2931.3	2855.6	2684.6	2574.7	2520.9
8°	2926.4	2831.2	2613.8	2481.8	2415.9
9°	2921.5	2799.4	2542.9	2381.7	2303.5
10°	2911.8	2767.6	2469.6	2279.1	2196.0
11°	2906.9	2731.0	2398.8	2181.4	2083.7
12°	2897.1	2691.9	2323.1	2078.8	1993.3
13°	2887.3	2650.4	2230.2	1990.9	1888.3
14°	2877.6	2606.4	2149.6	1893.1	1797.9
15°	2865.4	2560.0	2059.2	1800.3	1702.6
16°	2853.1	2506.3	1978.6	1705.0	1602.5
17°	2840.9	2455.0	1902.9	1617.1	1524.3
18°	2826.3	2403.7	1815.0	1531.6	1441.2
19°	2806.7	2345.1	1744.1	1453.4	1370.4
20°	2789.6	2291.3	1663.5	1380.2	1306.9
21°	2770.1	2225.4	1582.9	1311.8	1238.5
22.5°	2740.8	2132.5	1480.3	1226.3	1157.9
23°	2726.1	2105.7	1438.8	1194.5	1135.9
24°	2706.6	2034.8	1370.4	1145.7	1087.0
25°	2677.3	1978.6	1311.8	1101.7	1055.3
26°	2650.4	1910.2	1253.1	1062.6	1016.2
27°	2623.5	1844.3	1201.8	1021.1	982.0
28°	2589.3	1775.9	1145.7	986.9	952.7
29°	2552.7	1712.4	1099.2	957.6	930.7
30°	2516.0	1641.5	1060.2	930.7	908.7
32.5°	2413.4	1485.2	960.0	879.4	864.7
35°	2291.3	1338.6	889.2	833.0	828.1
37.5°	2154.5	1204.3	825.7	796.3	801.2
40°	1993.3	1082.1	771.9	769.5	779.2
42.5°	1822.3	977.1	730.4	747.5	762.1
45°	1646.4	881.8	688.9	725.5	745.0
47.5°	1463.2	798.8	652.2	698.6	720.6
50°	1277.6	718.2	613.1	666.9	688.9
52.5°	1111.5	647.3	574.0	630.2	654.7
55°	945.3	578.9	532.5	591.1	610.7
57.5°	801.2	515.4	488.6	547.2	561.8
60°	666.9	454.4	444.6	498.3	515.4
62.5°	544.7	400.6	403.1	454.4	471.5
65°	444.6	349.3	366.4	412.8	427.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	361.5	300.5	329.8	378.6	390.8
70°	285.8	256.5	300.5	344.4	356.6
72.5°	227.2	217.4	271.1	317.6	327.3
75°	173.4	180.8	246.7	290.7	302.9
77.5°	124.6	151.5	222.3	268.7	278.5
80°	87.9	124.6	202.7	249.2	258.9
82.5°	56.2	102.6	183.2	232.1	241.8
85°	29.3	83.1	166.1	215.0	224.7
87.5°	12.2	68.4	149.0	197.9	207.6
90°	0.0	56.2	134.4	183.2	190.5
92.5°	0.0	48.9	122.1	168.6	175.9
95°	0.0	41.5	112.4	153.9	161.2
97.5°	0.0	39.1	100.2	141.7	149.0
100°	0.0	34.2	90.4	129.5	139.2
102.5°	0.0	31.8	83.1	117.3	127.0
105°	0.0	29.3	75.7	107.5	117.3
107.5°	0.0	26.9	70.8	100.2	107.5
110°	0.0	26.9	63.5	92.8	100.2
112.5°	2.4	24.4	58.6	83.1	90.4
115°	2.4	24.4	53.7	78.2	83.1
117.5°	2.4	24.4	51.3	70.8	75.7
120°	2.4	22.0	48.9	66.0	70.8
122.5°	2.4	22.0	46.4	61.1	63.5
125°	2.4	19.5	44.0	56.2	61.1
127.5°	2.4	19.5	41.5	53.7	56.2
130°	2.4	19.5	39.1	48.9	53.7
132.5°	2.4	17.1	36.6	46.4	48.9
135°	2.4	17.1	34.2	44.0	46.4
137.5°	2.4	14.7	31.8	41.5	44.0
140°	2.4	14.7	29.3	39.1	41.5
142.5°	2.4	12.2	26.9	36.6	39.1
145°	2.4	12.2	24.4	34.2	36.6
147.5°	2.4	12.2	22.0	31.8	34.2
150°	2.4	9.8	19.5	29.3	31.8
152.5°	2.4	9.8	17.1	26.9	29.3
155°	2.4	9.8	17.1	24.4	26.9
157.5°	2.4	7.3	14.7	19.5	24.4
160°	2.4	7.3	12.2	17.1	22.0
162.5°	2.4	7.3	12.2	14.7	17.1
165°	2.4	4.9	9.8	12.2	14.7
167.5°	2.4	4.9	7.3	9.8	12.2
170°	2.4	4.9	7.3	7.3	9.8
172.5°	2.4	4.9	4.9	4.9	4.9
175°	4.9	4.9	4.9	4.9	2.4
177.5°	4.9	4.9	4.9	2.4	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)