

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: P566532

Luminaire Tested: **4SNX-51SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566532
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-51SL-LC-UNV-L940-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

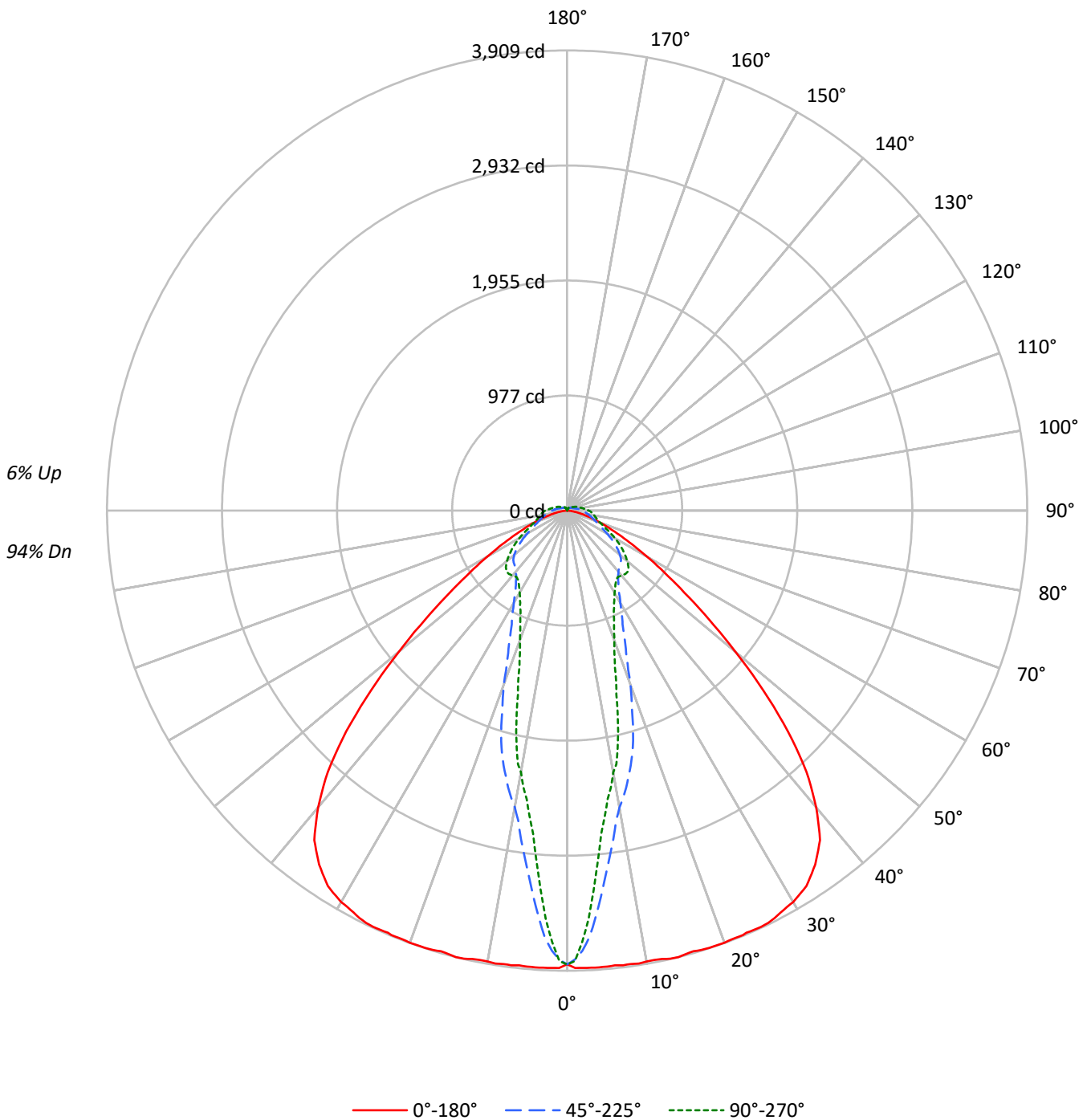
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4752.0 lumens
Efficiency: N/A
Efficacy: 135.8 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): 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

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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°	41496	41496	41496
5°	41869	34082	30507
10°	42198	25729	22079
15°	42968	21031	15288
20°	44076	15219	10798
25°	45451	10903	8495
30°	46611	8711	7234
35°	46888	7368	6480
40°	44701	6698	6495
45°	38792	6471	6673
50°	29760	6154	6227
55°	21566	5382	5525
60°	15647	4491	4672
65°	11389	3798	3829
70°	8390	3355	3302
75°	5960	3106	3077
80°	3906	2908	3031
85°	1832	2773	3036



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.2	6.4
10°-20°	658.3	13.9
20°-30°	753.6	15.9
30°-40°	754.9	15.9
40°-50°	714.6	15.0
50°-60°	548.1	11.5
60°-70°	353.3	7.4
70°-80°	225.3	4.7
80°-90°	149.6	3.1
90°-100°	100.6	2.1
100°-110°	66.3	1.4
110°-120°	46.1	1.0
120°-130°	32.1	0.7
130°-140°	22.3	0.5
140°-150°	13.7	0.3
150°-160°	6.9	0.1
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1715.1	36.1
0°-40°	2470.0	52.0
0°-60°	3732.7	78.6
0°-90°	4460.9	93.9
90°-120°	212.9	4.5
90°-150°	281.0	5.9
90°-180°	291.0	6.1
0°-180°	4752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3855	3855	3855	3855	3855	
5°	3889	3675	3292	3071	2988	371
15°	3899	2808	2141	1758	1617	1106
25°	3901	1987	1132	984	938	1799
35°	3672	1106	757	733	723	2279
45°	2654	699	638	706	731	2018
55°	1218	499	492	553	575	1120
65°	487	314	309	353	365	501
75°	166	170	214	246	258	182
85°	22	78	151	197	212	30
90°	0	54	127	175	183	1
95°	0	39	105	144	151	0
105°	0	29	68	97	105	2
115°	2	24	51	71	76	2
125°	2	22	44	51	54	2
135°	2	17	34	41	44	2
145°	2	12	24	32	34	2
155°	2	7	15	22	24	1
165°	5	5	10	12	15	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CATALOG NUMBER: 4SNX-51SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3855.1	3855.1	3855.1	3855.1	3855.1
1°	3886.7	3864.8	3813.7	3828.3	3825.8
2°	3886.7	3840.4	3740.6	3711.4	3667.5
3°	3889.1	3799.0	3628.6	3533.6	3472.7
4°	3889.1	3738.2	3463.0	3304.7	3226.7
5°	3889.1	3674.8	3292.5	3070.9	2988.1
6°	3884.3	3599.3	3119.6	2885.8	2761.6
7°	3891.6	3516.5	2963.7	2712.9	2615.5
8°	3889.1	3419.1	2820.1	2581.4	2474.2
9°	3896.5	3324.2	2664.2	2457.2	2376.8
10°	3889.1	3236.5	2561.9	2340.3	2257.5
11°	3889.1	3151.3	2488.9	2264.8	2194.2
12°	3894.0	3053.8	2408.5	2157.7	2060.2
13°	3906.2	2954.0	2316.0	2040.8	1926.3
14°	3908.6	2878.5	2230.7	1892.2	1772.9
15°	3898.9	2807.9	2140.6	1758.3	1617.0
16°	3894.0	2734.8	2033.5	1631.6	1505.0
17°	3903.8	2649.6	1911.7	1502.6	1385.7
18°	3906.2	2571.7	1782.6	1405.2	1302.9
19°	3906.2	2510.8	1677.9	1315.1	1227.4
20°	3906.2	2452.3	1570.8	1246.9	1171.4
21°	3901.3	2379.3	1449.0	1176.2	1112.9
22.5°	3903.8	2242.9	1310.2	1093.4	1042.3
23°	3896.5	2208.8	1276.1	1071.5	1017.9
24°	3898.9	2111.4	1203.0	1027.7	976.5
25°	3901.3	1987.2	1132.4	983.9	937.6
26°	3896.5	1887.3	1074.0	942.5	910.8
27°	3884.3	1807.0	1032.6	908.4	879.1
28°	3867.2	1699.8	988.7	879.1	852.3
29°	3850.2	1578.1	944.9	847.5	828.0
30°	3840.4	1480.7	903.5	823.1	806.1
32.5°	3782.0	1288.3	818.3	774.4	759.8
35°	3672.4	1105.6	757.4	733.0	723.3
37.5°	3528.7	964.4	711.1	706.2	708.7
40°	3292.5	852.3	677.0	698.9	720.8
42.5°	3010.0	764.7	652.7	706.2	730.6
45°	2654.5	698.9	638.0	706.2	730.6
47.5°	2259.9	645.3	621.0	681.9	706.2
50°	1865.4	596.6	586.9	645.3	667.3
52.5°	1517.2	550.4	543.1	599.1	621.0
55°	1217.6	499.2	491.9	552.8	574.7
57.5°	976.5	450.5	443.2	499.2	521.2
60°	779.3	401.8	389.6	445.7	467.6
62.5°	621.0	355.6	348.2	397.0	416.4
65°	487.1	314.2	309.3	353.1	365.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	384.8	275.2	277.6	314.2	328.8
70°	297.1	238.7	253.3	287.4	297.1
72.5°	224.0	202.1	233.8	263.0	275.2
75°	165.6	170.5	214.3	246.0	258.1
77.5°	114.5	141.2	197.3	231.4	243.5
80°	77.9	114.5	180.2	219.2	233.8
82.5°	46.3	95.0	165.6	207.0	224.0
85°	21.9	77.9	151.0	197.3	211.9
87.5°	7.3	63.3	136.4	187.5	199.7
90°	0.0	53.6	126.6	175.3	182.6
92.5°	0.0	46.3	114.5	160.7	165.6
95°	0.0	39.0	104.7	143.7	151.0
97.5°	0.0	36.5	97.4	129.1	138.8
100°	0.0	34.1	87.7	116.9	126.6
102.5°	0.0	29.2	77.9	104.7	114.5
105°	0.0	29.2	68.2	97.4	104.7
107.5°	2.4	26.8	63.3	87.7	97.4
110°	2.4	26.8	56.0	82.8	90.1
112.5°	2.4	26.8	53.6	75.5	85.2
115°	2.4	24.4	51.1	70.6	75.5
117.5°	2.4	24.4	48.7	63.3	68.2
120°	2.4	21.9	46.3	58.4	60.9
122.5°	2.4	21.9	43.8	53.6	56.0
125°	2.4	21.9	43.8	51.1	53.6
127.5°	2.4	19.5	41.4	48.7	48.7
130°	2.4	19.5	39.0	46.3	46.3
132.5°	2.4	17.0	36.5	43.8	46.3
135°	2.4	17.0	34.1	41.4	43.8
137.5°	2.4	14.6	31.7	39.0	41.4
140°	2.4	14.6	29.2	36.5	39.0
142.5°	2.4	12.2	26.8	34.1	36.5
145°	2.4	12.2	24.4	31.7	34.1
147.5°	2.4	12.2	21.9	29.2	31.7
150°	2.4	9.7	19.5	26.8	29.2
152.5°	2.4	9.7	17.0	24.4	26.8
155°	2.4	7.3	14.6	21.9	24.4
157.5°	2.4	7.3	14.6	19.5	21.9
160°	4.9	7.3	12.2	17.0	19.5
162.5°	2.4	4.9	12.2	14.6	17.0
165°	4.9	4.9	9.7	12.2	14.6
167.5°	4.9	4.9	7.3	9.7	12.2
170°	4.9	4.9	7.3	7.3	9.7
172.5°	4.9	4.9	4.9	7.3	4.9
175°	4.9	4.9	4.9	4.9	2.4
177.5°	4.9	4.9	4.9	4.9	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)