

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: P566531

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566531
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-L935-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

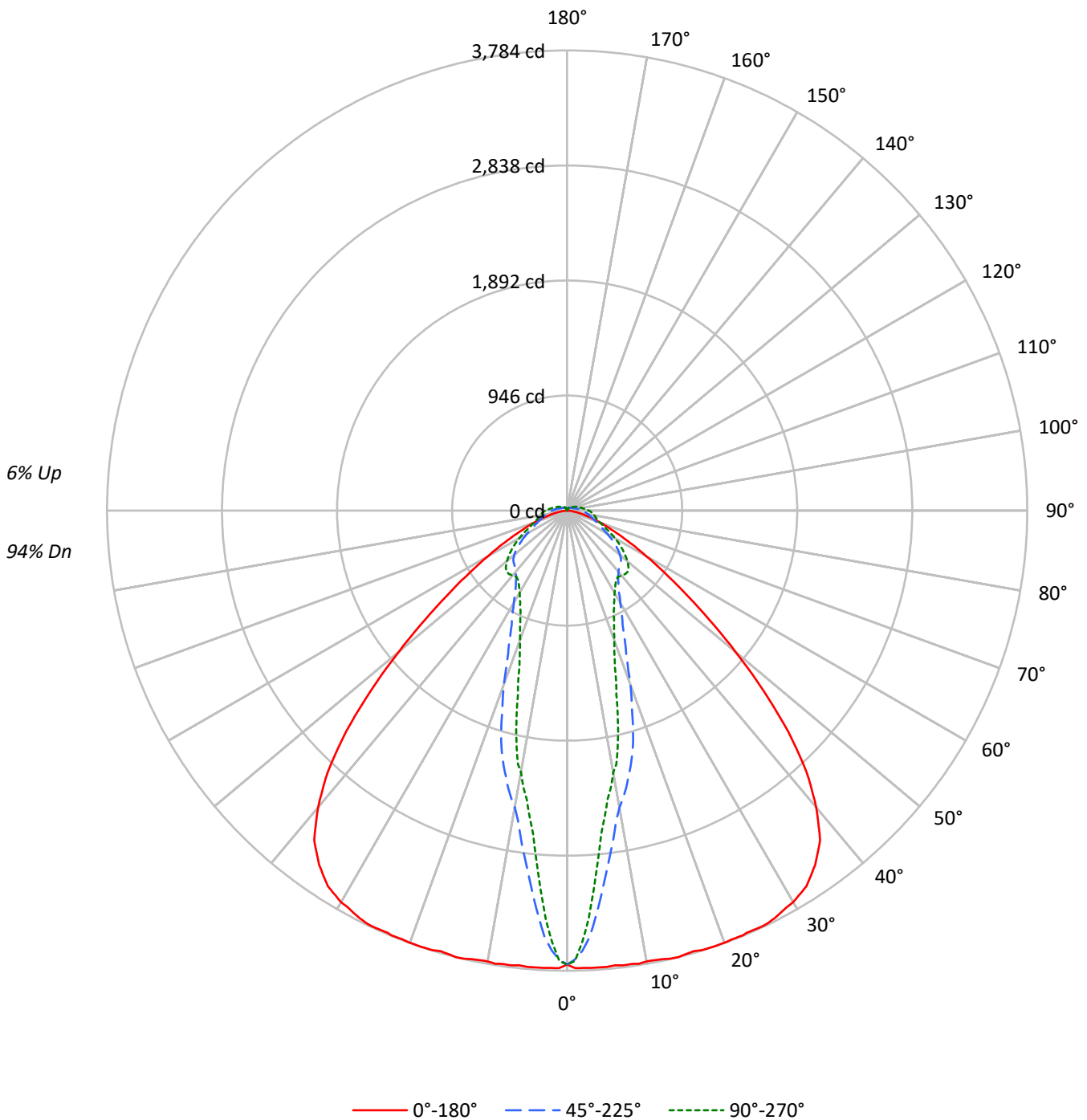
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4601.0 lumens
Efficiency: N/A
Efficacy: 131.5 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°	40177	40177	40177
5°	40540	32999	29537
10°	40858	24912	21378
15°	41603	20363	14802
20°	42676	14734	10454
25°	44008	10556	8225
30°	45131	8434	7005
35°	45398	7134	6274
40°	43281	6485	6289
45°	37558	6266	6461
50°	28815	5959	6029
55°	20881	5211	5350
60°	15149	4349	4523
65°	11026	3678	3708
70°	8124	3248	3198
75°	5769	3008	2980
80°	3785	2816	2935
85°	1774	2685	2938



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.5	6.4
10°-20°	637.4	13.9
20°-30°	729.6	15.9
30°-40°	730.9	15.9
40°-50°	691.9	15.0
50°-60°	530.7	11.5
60°-70°	342.0	7.4
70°-80°	218.1	4.7
80°-90°	144.8	3.1
90°-100°	97.4	2.1
100°-110°	64.2	1.4
110°-120°	44.6	1.0
120°-130°	31.1	0.7
130°-140°	21.6	0.5
140°-150°	13.2	0.3
150°-160°	6.7	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1660.6	36.1
0°-40°	2391.5	52.0
0°-60°	3614.1	78.5
0°-90°	4319.1	93.9
90°-120°	206.1	4.5
90°-150°	272.1	5.9
90°-180°	282.0	6.1
0°-180°	4601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3733	3733	3733	3733	3733	
5°	3766	3558	3188	2973	2893	360
15°	3775	2719	2073	1702	1566	1071
25°	3777	1924	1096	953	908	1741
35°	3556	1070	733	710	700	2206
45°	2570	677	618	684	707	1954
55°	1179	483	476	535	556	1084
65°	472	304	300	342	354	485
75°	160	165	208	238	250	176
85°	21	76	146	191	205	29
90°	0	52	123	170	177	1
95°	0	38	101	139	146	0
105°	0	28	66	94	101	2
115°	2	24	50	68	73	2
125°	2	21	42	50	52	2
135°	2	16	33	40	42	2
145°	2	12	24	31	33	2
155°	2	7	14	21	24	1
165°	5	5	9	12	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3732.6	3732.6	3732.6	3732.6	3732.6
1°	3763.2	3742.0	3692.5	3706.6	3704.3
2°	3763.2	3718.4	3621.7	3593.4	3551.0
3°	3765.6	3678.3	3513.3	3421.3	3362.4
4°	3765.6	3619.4	3352.9	3199.7	3124.2
5°	3765.6	3558.1	3187.9	2973.3	2893.1
6°	3760.8	3485.0	3020.5	2794.1	2673.9
7°	3767.9	3404.8	2869.6	2626.7	2532.4
8°	3765.6	3310.5	2730.4	2499.4	2395.6
9°	3772.6	3218.5	2579.5	2379.1	2301.3
10°	3765.6	3133.6	2480.5	2265.9	2185.8
11°	3765.6	3051.1	2409.8	2192.8	2124.5
12°	3770.3	2956.8	2332.0	2089.1	1994.8
13°	3782.1	2860.1	2242.4	1975.9	1865.1
14°	3784.4	2787.0	2159.8	1832.1	1716.6
15°	3775.0	2718.7	2072.6	1702.4	1565.6
16°	3770.3	2647.9	1968.8	1579.8	1457.2
17°	3779.7	2565.4	1851.0	1454.8	1341.6
18°	3782.1	2489.9	1726.0	1360.5	1261.5
19°	3782.1	2431.0	1624.6	1273.3	1188.4
20°	3782.1	2374.4	1520.8	1207.2	1134.1
21°	3777.4	2303.7	1403.0	1138.9	1077.6
22.5°	3779.7	2171.6	1268.5	1058.7	1009.2
23°	3772.6	2138.6	1235.5	1037.5	985.6
24°	3775.0	2044.3	1164.8	995.0	945.5
25°	3777.4	1924.0	1096.4	952.6	907.8
26°	3772.6	1827.4	1039.8	912.5	881.9
27°	3760.8	1749.6	999.7	879.5	851.2
28°	3744.3	1645.8	957.3	851.2	825.3
29°	3727.8	1527.9	914.9	820.5	801.7
30°	3718.4	1433.6	874.8	797.0	780.5
32.5°	3661.8	1247.3	792.3	749.8	735.7
35°	3555.7	1070.5	733.3	709.7	700.3
37.5°	3416.6	933.7	688.5	683.8	686.1
40°	3187.9	825.3	655.5	676.7	697.9
42.5°	2914.4	740.4	631.9	683.8	707.4
45°	2570.1	676.7	617.8	683.8	707.4
47.5°	2188.1	624.8	601.3	660.2	683.8
50°	1806.2	577.7	568.3	624.8	646.1
52.5°	1469.0	532.9	525.8	580.0	601.3
55°	1178.9	483.4	476.3	535.2	556.5
57.5°	945.5	436.2	429.1	483.4	504.6
60°	754.5	389.1	377.3	431.5	452.7
62.5°	601.3	344.3	337.2	384.3	403.2
65°	471.6	304.2	299.5	341.9	353.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	372.5	266.4	268.8	304.2	318.3
70°	287.7	231.1	245.2	278.2	287.7
72.5°	216.9	195.7	226.4	254.7	266.4
75°	160.3	165.1	207.5	238.1	249.9
77.5°	110.8	136.8	191.0	224.0	235.8
80°	75.5	110.8	174.5	212.2	226.4
82.5°	44.8	92.0	160.3	200.4	216.9
85°	21.2	75.5	146.2	191.0	205.1
87.5°	7.1	61.3	132.0	181.6	193.3
90°	0.0	51.9	122.6	169.8	176.8
92.5°	0.0	44.8	110.8	155.6	160.3
95°	0.0	37.7	101.4	139.1	146.2
97.5°	0.0	35.4	94.3	125.0	134.4
100°	0.0	33.0	84.9	113.2	122.6
102.5°	0.0	28.3	75.5	101.4	110.8
105°	0.0	28.3	66.0	94.3	101.4
107.5°	2.4	25.9	61.3	84.9	94.3
110°	2.4	25.9	54.2	80.2	87.2
112.5°	2.4	25.9	51.9	73.1	82.5
115°	2.4	23.6	49.5	68.4	73.1
117.5°	2.4	23.6	47.2	61.3	66.0
120°	2.4	21.2	44.8	56.6	58.9
122.5°	2.4	21.2	42.4	51.9	54.2
125°	2.4	21.2	42.4	49.5	51.9
127.5°	2.4	18.9	40.1	47.2	47.2
130°	2.4	18.9	37.7	44.8	44.8
132.5°	2.4	16.5	35.4	42.4	44.8
135°	2.4	16.5	33.0	40.1	42.4
137.5°	2.4	14.1	30.7	37.7	40.1
140°	2.4	14.1	28.3	35.4	37.7
142.5°	2.4	11.8	25.9	33.0	35.4
145°	2.4	11.8	23.6	30.7	33.0
147.5°	2.4	11.8	21.2	28.3	30.7
150°	2.4	9.4	18.9	25.9	28.3
152.5°	2.4	9.4	16.5	23.6	25.9
155°	2.4	7.1	14.1	21.2	23.6
157.5°	2.4	7.1	14.1	18.9	21.2
160°	4.7	7.1	11.8	16.5	18.9
162.5°	2.4	4.7	11.8	14.1	16.5
165°	4.7	4.7	9.4	11.8	14.1
167.5°	4.7	4.7	7.1	9.4	11.8
170°	4.7	4.7	7.1	7.1	9.4
172.5°	4.7	4.7	4.7	7.1	4.7
175°	4.7	4.7	4.7	4.7	2.4
177.5°	4.7	4.7	4.7	4.7	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)