

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: P566528

Luminaire Tested: **4SNX-51SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566528
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-L840-CD
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

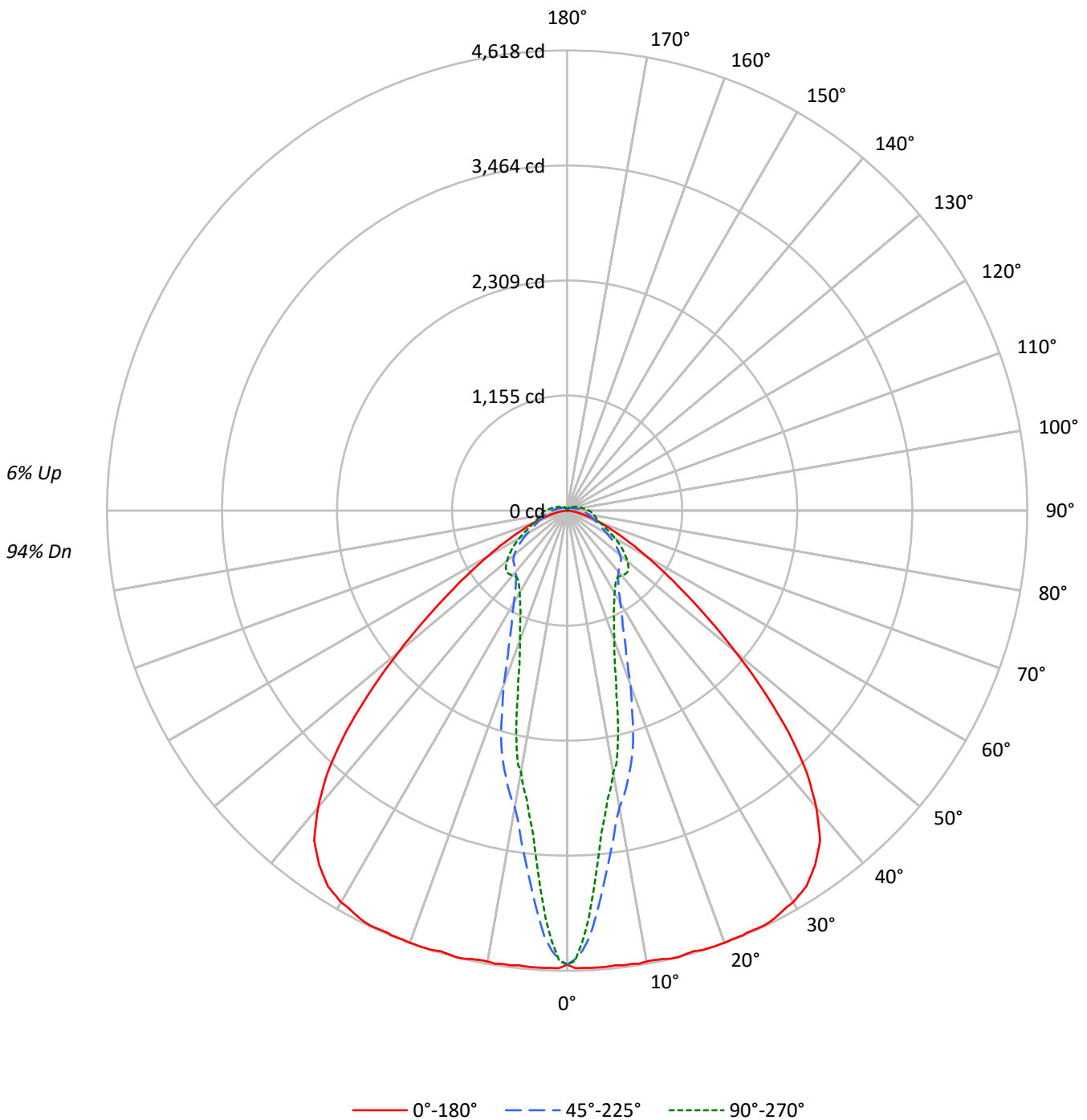
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5615.0 lumens
Efficiency: N/A
Efficacy: 160.4 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	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°	49032	49032	49032
5°	49473	40271	36048
10°	49861	30402	26089
15°	50772	24851	18065
20°	52081	17982	12759
25°	53706	12883	10038
30°	55077	10293	8548
35°	55403	8706	7656
40°	52818	7915	7675
45°	45835	7646	7885
50°	35165	7272	7357
55°	25484	6360	6528
60°	18489	5307	5520
65°	13455	4487	4524
70°	9915	3964	3902
75°	7044	3670	3637
80°	4618	3436	3581
85°	2167	3276	3586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.2	6.4
10°-20°	777.9	13.9
20°-30°	890.4	15.9
30°-40°	892.0	15.9
40°-50°	844.4	15.0
50°-60°	647.6	11.5
60°-70°	417.4	7.4
70°-80°	266.2	4.7
80°-90°	176.8	3.1
90°-100°	118.8	2.1
100°-110°	78.3	1.4
110°-120°	54.5	1.0
120°-130°	38.0	0.7
130°-140°	26.4	0.5
140°-150°	16.1	0.3
150°-160°	8.2	0.1
160°-170°	3.2	0.1
170°-180°	0.6	0.0
0°-30°	2026.6	36.1
0°-40°	2918.6	52.0
0°-60°	4410.6	78.6
0°-90°	5271.0	93.9
90°-120°	251.6	4.5
90°-150°	332.1	5.9
90°-180°	344.0	6.1
0°-180°	5615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4555	4555	4555	4555	4555	
5°	4595	4342	3890	3629	3531	439
15°	4607	3318	2529	2078	1911	1307
25°	4610	2348	1338	1162	1108	2125
35°	4339	1306	895	866	855	2692
45°	3136	826	754	834	863	2385
55°	1439	590	581	653	679	1323
65°	576	371	365	417	432	592
75°	196	201	253	291	305	215
85°	26	92	178	233	250	36
90°	0	63	150	207	216	1
95°	0	46	124	170	178	0
105°	0	34	81	115	124	2
115°	3	29	60	83	89	3
125°	3	26	52	60	63	3
135°	3	20	40	49	52	2
145°	3	14	29	37	40	2
155°	3	9	17	26	29	1
165°	6	6	12	14	17	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4555.2	4555.2	4555.2	4555.2	4555.2
1°	4592.6	4566.7	4506.2	4523.5	4520.6
2°	4592.6	4537.9	4419.9	4385.4	4333.6
3°	4595.4	4489.0	4287.5	4175.3	4103.4
4°	4595.4	4417.0	4091.9	3904.8	3812.8
5°	4595.4	4342.2	3890.4	3628.6	3530.8
6°	4589.7	4253.0	3686.1	3409.9	3263.1
7°	4598.3	4155.2	3502.0	3205.6	3090.5
8°	4595.4	4040.1	3332.2	3050.2	2923.6
9°	4604.1	3927.9	3148.0	2903.4	2808.5
10°	4595.4	3824.3	3027.2	2765.3	2667.5
11°	4595.4	3723.5	2940.9	2676.1	2592.7
12°	4601.2	3608.4	2845.9	2549.5	2434.4
13°	4615.6	3490.5	2736.5	2411.4	2276.1
14°	4618.5	3401.3	2635.8	2235.9	2094.9
15°	4607.0	3317.8	2529.4	2077.6	1910.7
16°	4601.2	3231.5	2402.8	1928.0	1778.3
17°	4612.7	3130.8	2258.9	1775.4	1637.3
18°	4615.6	3038.7	2106.4	1660.3	1539.5
19°	4615.6	2966.8	1982.6	1553.9	1450.3
20°	4615.6	2897.7	1856.0	1473.3	1384.1
21°	4609.8	2811.4	1712.1	1389.9	1315.0
22.5°	4612.7	2650.2	1548.1	1292.0	1231.6
23°	4604.1	2609.9	1507.8	1266.1	1202.8
24°	4607.0	2494.8	1421.5	1214.3	1153.9
25°	4609.8	2348.1	1338.1	1162.5	1107.9
26°	4604.1	2230.1	1269.0	1113.6	1076.2
27°	4589.7	2135.1	1220.1	1073.3	1038.8
28°	4569.5	2008.5	1168.3	1038.8	1007.1
29°	4549.4	1864.7	1116.5	1001.4	978.4
30°	4537.9	1749.5	1067.6	972.6	952.5
32.5°	4468.8	1522.2	966.9	915.1	897.8
35°	4339.3	1306.4	894.9	866.1	854.6
37.5°	4169.6	1139.5	840.2	834.5	837.4
40°	3890.4	1007.1	800.0	825.9	851.8
42.5°	3556.7	903.6	771.2	834.5	863.3
45°	3136.5	825.9	753.9	834.5	863.3
47.5°	2670.4	762.6	733.8	805.7	834.5
50°	2204.2	705.0	693.5	762.6	788.4
52.5°	1792.7	650.3	641.7	707.9	733.8
55°	1438.8	589.9	581.3	653.2	679.1
57.5°	1153.9	532.3	523.7	589.9	615.8
60°	920.8	474.8	460.4	526.6	552.5
62.5°	733.8	420.1	411.5	469.0	492.1
65°	575.5	371.2	365.4	417.2	431.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	454.7	325.2	328.0	371.2	388.5
70°	351.1	282.0	299.3	339.6	351.1
72.5°	264.7	238.8	276.2	310.8	325.2
75°	195.7	201.4	253.2	290.6	305.0
77.5°	135.2	166.9	233.1	273.4	287.8
80°	92.1	135.2	212.9	259.0	276.2
82.5°	54.7	112.2	195.7	244.6	264.7
85°	25.9	92.1	178.4	233.1	250.3
87.5°	8.6	74.8	161.1	221.6	236.0
90°	0.0	63.3	149.6	207.2	215.8
92.5°	0.0	54.7	135.2	189.9	195.7
95°	0.0	46.0	123.7	169.8	178.4
97.5°	0.0	43.2	115.1	152.5	164.0
100°	0.0	40.3	103.6	138.1	149.6
102.5°	0.0	34.5	92.1	123.7	135.2
105°	0.0	34.5	80.6	115.1	123.7
107.5°	2.9	31.7	74.8	103.6	115.1
110°	2.9	31.7	66.2	97.8	106.5
112.5°	2.9	31.7	63.3	89.2	100.7
115°	2.9	28.8	60.4	83.4	89.2
117.5°	2.9	28.8	57.6	74.8	80.6
120°	2.9	25.9	54.7	69.1	71.9
122.5°	2.9	25.9	51.8	63.3	66.2
125°	2.9	25.9	51.8	60.4	63.3
127.5°	2.9	23.0	48.9	57.6	57.6
130°	2.9	23.0	46.0	54.7	54.7
132.5°	2.9	20.1	43.2	51.8	54.7
135°	2.9	20.1	40.3	48.9	51.8
137.5°	2.9	17.3	37.4	46.0	48.9
140°	2.9	17.3	34.5	43.2	46.0
142.5°	2.9	14.4	31.7	40.3	43.2
145°	2.9	14.4	28.8	37.4	40.3
147.5°	2.9	14.4	25.9	34.5	37.4
150°	2.9	11.5	23.0	31.7	34.5
152.5°	2.9	11.5	20.1	28.8	31.7
155°	2.9	8.6	17.3	25.9	28.8
157.5°	2.9	8.6	17.3	23.0	25.9
160°	5.8	8.6	14.4	20.1	23.0
162.5°	2.9	5.8	14.4	17.3	20.1
165°	5.8	5.8	11.5	14.4	17.3
167.5°	5.8	5.8	8.6	11.5	14.4
170°	5.8	5.8	8.6	8.6	11.5
172.5°	5.8	5.8	5.8	8.6	5.8
175°	5.8	5.8	5.8	5.8	2.9
177.5°	5.8	5.8	5.8	5.8	2.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)