

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: P566577

Luminaire Tested: **4SNX-57SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566577
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-57SL-LC-UNV-L850-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

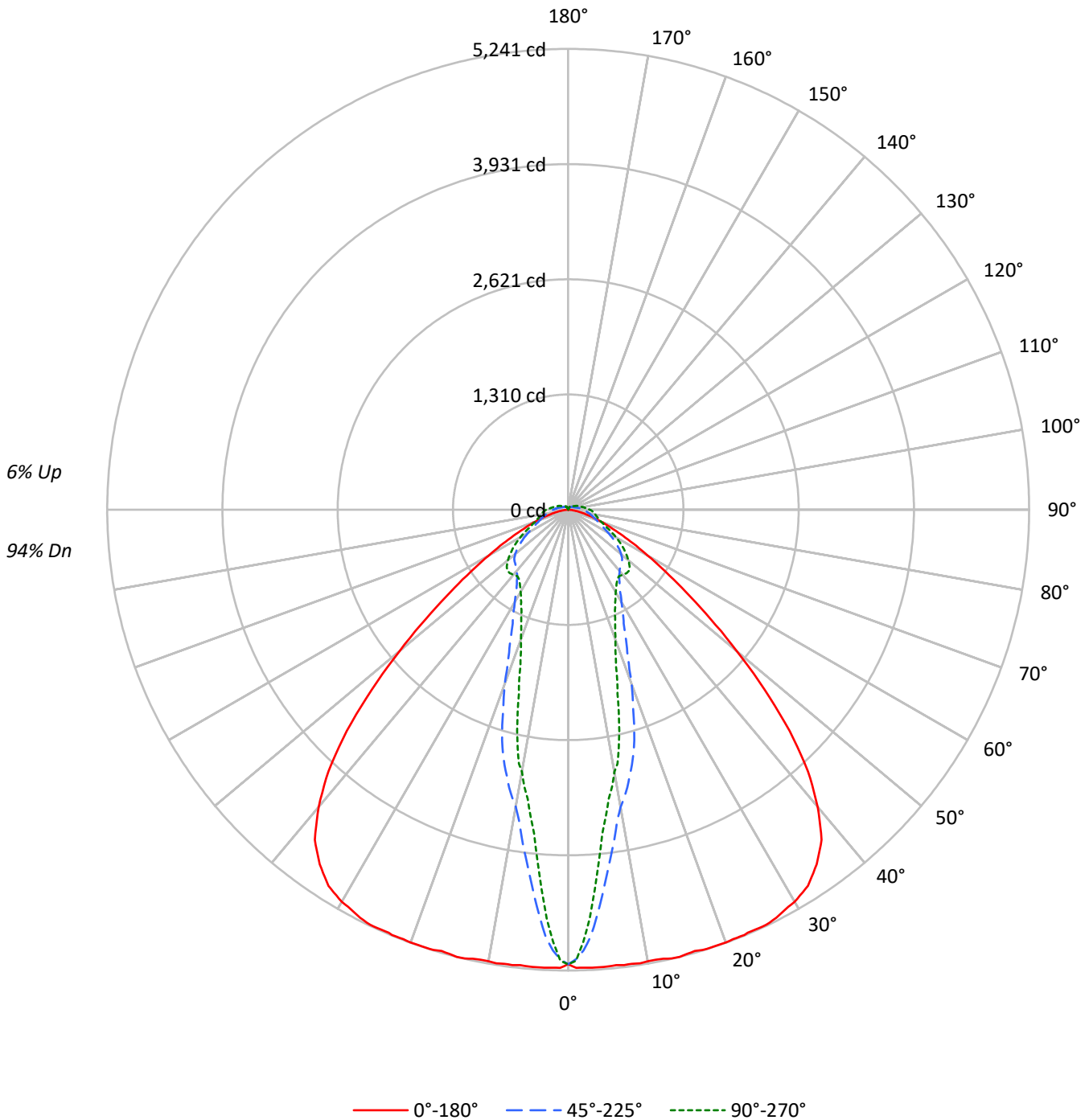
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6372.0 lumens
Efficiency: N/A
Efficacy: 160.5 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): 39.7
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

TEST NUMBER: P566577
CATALOG NUMBER: 4SNX-57SL-LC-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566577

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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°	55642	55642	55642
5°	56144	45700	40908
10°	56584	34501	29606
15°	57617	28202	20501
20°	59102	20406	14479
25°	60946	14620	11390
30°	62503	11680	9701
35°	62874	9880	8689
40°	59939	8981	8710
45°	52016	8678	8947
50°	39906	8253	8349
55°	28919	7216	7409
60°	20982	6023	6264
65°	15270	5092	5134
70°	11250	4498	4428
75°	7994	4166	4127
80°	5239	3899	4065
85°	2460	3719	4070



TEST NUMBER: P566577

CATALOG NUMBER: 4SNX-57SL-LC-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.5	6.4
10°-20°	882.8	13.9
20°-30°	1010.5	15.9
30°-40°	1012.3	15.9
40°-50°	958.3	15.0
50°-60°	734.9	11.5
60°-70°	473.7	7.4
70°-80°	302.1	4.7
80°-90°	200.6	3.1
90°-100°	134.8	2.1
100°-110°	88.8	1.4
110°-120°	61.8	1.0
120°-130°	43.1	0.7
130°-140°	29.9	0.5
140°-150°	18.3	0.3
150°-160°	9.3	0.1
160°-170°	3.6	0.1
170°-180°	0.7	0.0
0°-30°	2299.8	36.1
0°-40°	3312.1	52.0
0°-60°	5005.2	78.6
0°-90°	5981.6	93.9
90°-120°	285.5	4.5
90°-150°	376.9	5.9
90°-180°	390.0	6.1
0°-180°	6372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5169	5169	5169	5169	5169	
5°	5215	4928	4415	4118	4007	498
15°	5228	3765	2870	2358	2168	1483
25°	5231	2665	1518	1319	1257	2412
35°	4924	1482	1016	983	970	3055
45°	3559	937	856	947	980	2706
55°	1633	669	660	741	771	1501
65°	653	421	415	474	490	672
75°	222	229	287	330	346	244
85°	29	104	202	264	284	40
90°	0	72	170	235	245	1
95°	0	52	140	193	202	0
105°	0	39	91	131	140	2
115°	3	33	69	95	101	3
125°	3	29	59	69	72	3
135°	3	23	46	56	59	3
145°	3	16	33	42	46	2
155°	3	10	20	29	33	2
165°	6	6	13	16	20	2
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



TEST NUMBER: P566577

CATALOG NUMBER: 4SNX-57SL-LC-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5169.3	5169.3	5169.3	5169.3	5169.3
1°	5211.7	5182.3	5113.8	5133.4	5130.1
2°	5211.7	5149.7	5015.8	4976.6	4917.8
3°	5215.0	5094.2	4865.6	4738.2	4656.6
4°	5215.0	5012.5	4643.5	4431.3	4326.8
5°	5215.0	4927.6	4414.9	4117.8	4006.8
6°	5208.5	4826.4	4183.1	3869.6	3703.1
7°	5218.3	4715.4	3974.1	3637.8	3507.1
8°	5215.0	4584.8	3781.4	3461.4	3317.7
9°	5224.8	4457.4	3572.4	3294.9	3187.1
10°	5215.0	4339.8	3435.3	3138.1	3027.1
11°	5215.0	4225.5	3337.3	3036.9	2942.2
12°	5221.5	4094.9	3229.6	2893.2	2762.6
13°	5237.9	3961.0	3105.5	2736.5	2583.0
14°	5241.1	3859.8	2991.2	2537.3	2377.3
15°	5228.1	3765.1	2870.4	2357.7	2168.3
16°	5221.5	3667.1	2726.7	2187.9	2018.1
17°	5234.6	3552.9	2563.4	2014.8	1858.1
18°	5237.9	3448.4	2390.3	1884.2	1747.0
19°	5237.9	3366.7	2249.9	1763.4	1645.8
20°	5237.9	3288.4	2106.2	1671.9	1570.7
21°	5231.3	3190.4	1943.0	1577.2	1492.3
22.5°	5234.6	3007.5	1756.8	1466.2	1397.6
23°	5224.8	2961.8	1711.1	1436.8	1365.0
24°	5228.1	2831.2	1613.2	1378.0	1309.5
25°	5231.3	2664.6	1518.5	1319.3	1257.2
26°	5224.8	2530.8	1440.1	1263.7	1221.3
27°	5208.5	2423.0	1384.6	1218.0	1178.8
28°	5185.6	2279.3	1325.8	1178.8	1142.9
29°	5162.7	2116.0	1267.0	1136.4	1110.3
30°	5149.7	1985.4	1211.5	1103.7	1080.9
32.5°	5071.3	1727.4	1097.2	1038.4	1018.8
35°	4924.4	1482.5	1015.6	982.9	969.9
37.5°	4731.7	1293.1	953.5	947.0	950.3
40°	4414.9	1142.9	907.8	937.2	966.6
42.5°	4036.1	1025.4	875.2	947.0	979.6
45°	3559.4	937.2	855.6	947.0	979.6
47.5°	3030.4	865.4	832.7	914.3	947.0
50°	2501.4	800.0	787.0	865.4	894.7
52.5°	2034.4	738.0	728.2	803.3	832.7
55°	1632.7	669.4	659.6	741.3	770.7
57.5°	1309.5	604.1	594.3	669.4	698.8
60°	1045.0	538.8	522.5	597.6	627.0
62.5°	832.7	476.8	467.0	532.3	558.4
65°	653.1	421.2	414.7	473.5	489.8



TEST NUMBER: P566577

CATALOG NUMBER: 4SNX-57SL-LC-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	515.9	369.0	372.3	421.2	440.8
70°	398.4	320.0	339.6	385.3	398.4
72.5°	300.4	271.0	313.5	352.7	369.0
75°	222.1	228.6	287.4	329.8	346.1
77.5°	153.5	189.4	264.5	310.2	326.5
80°	104.5	153.5	241.6	293.9	313.5
82.5°	62.0	127.4	222.1	277.6	300.4
85°	29.4	104.5	202.5	264.5	284.1
87.5°	9.8	84.9	182.9	251.4	267.8
90°	0.0	71.8	169.8	235.1	244.9
92.5°	0.0	62.0	153.5	215.5	222.1
95°	0.0	52.2	140.4	192.7	202.5
97.5°	0.0	49.0	130.6	173.1	186.1
100°	0.0	45.7	117.6	156.7	169.8
102.5°	0.0	39.2	104.5	140.4	153.5
105°	0.0	39.2	91.4	130.6	140.4
107.5°	3.3	35.9	84.9	117.6	130.6
110°	3.3	35.9	75.1	111.0	120.8
112.5°	3.3	35.9	71.8	101.2	114.3
115°	3.3	32.7	68.6	94.7	101.2
117.5°	3.3	32.7	65.3	84.9	91.4
120°	3.3	29.4	62.0	78.4	81.6
122.5°	3.3	29.4	58.8	71.8	75.1
125°	3.3	29.4	58.8	68.6	71.8
127.5°	3.3	26.1	55.5	65.3	65.3
130°	3.3	26.1	52.2	62.0	62.0
132.5°	3.3	22.9	49.0	58.8	62.0
135°	3.3	22.9	45.7	55.5	58.8
137.5°	3.3	19.6	42.5	52.2	55.5
140°	3.3	19.6	39.2	49.0	52.2
142.5°	3.3	16.3	35.9	45.7	49.0
145°	3.3	16.3	32.7	42.5	45.7
147.5°	3.3	16.3	29.4	39.2	42.5
150°	3.3	13.1	26.1	35.9	39.2
152.5°	3.3	13.1	22.9	32.7	35.9
155°	3.3	9.8	19.6	29.4	32.7
157.5°	3.3	9.8	19.6	26.1	29.4
160°	6.5	9.8	16.3	22.9	26.1
162.5°	3.3	6.5	16.3	19.6	22.9
165°	6.5	6.5	13.1	16.3	19.6
167.5°	6.5	6.5	9.8	13.1	16.3
170°	6.5	6.5	9.8	9.8	13.1
172.5°	6.5	6.5	6.5	9.8	6.5
175°	6.5	6.5	6.5	6.5	3.3
177.5°	6.5	6.5	6.5	6.5	3.3



TEST NUMBER: P566577

CATALOG NUMBER: 4SNX-57SL-LC-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)