

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: P566585

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566585
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-57SL-LN-UNV-L850-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

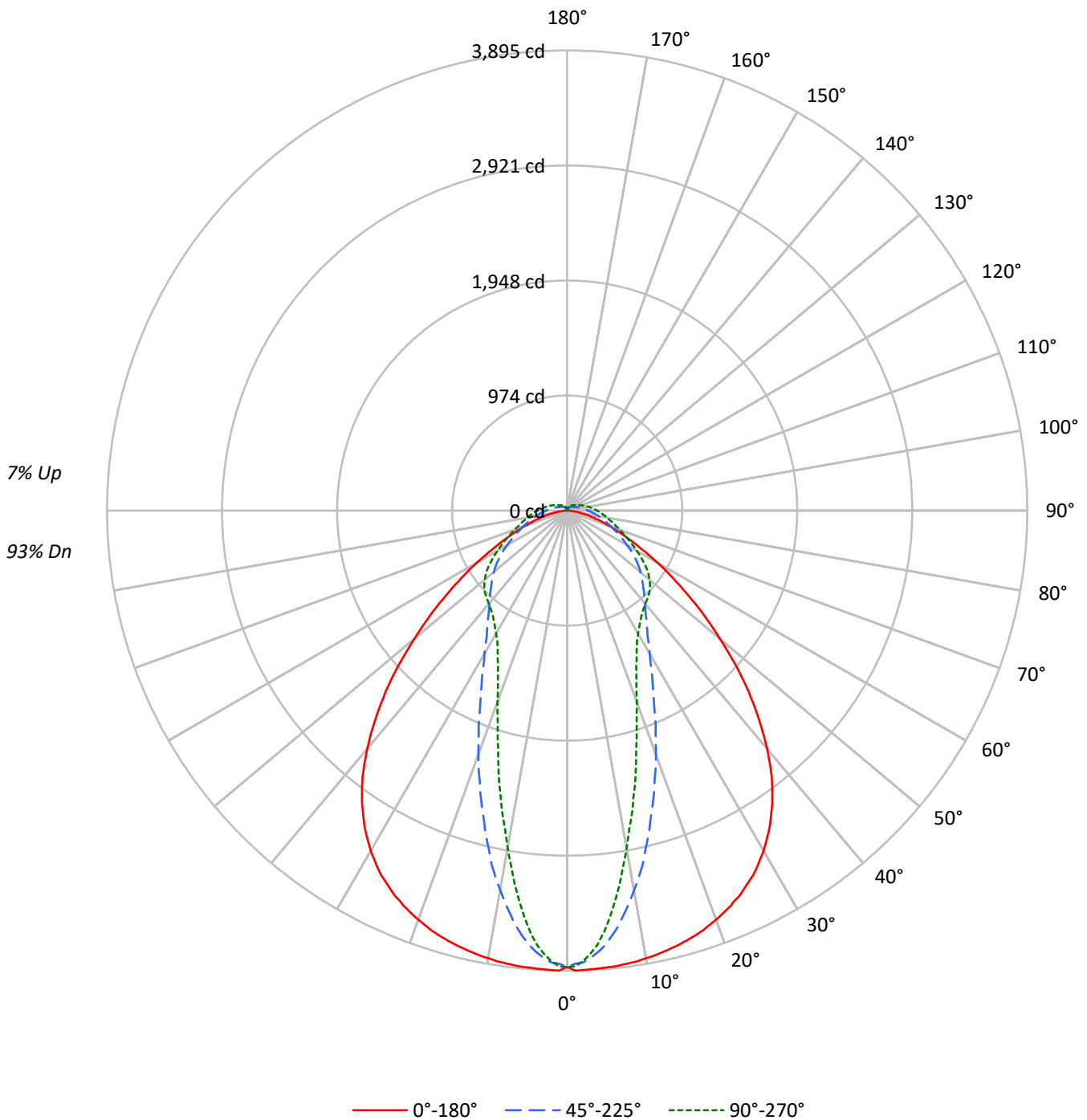
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6157.0 lumens
Efficiency: N/A
Efficacy: 155.1 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): 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

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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°	41576	41576	41576
5°	41791	38212	36568
10°	41733	32763	28372
15°	41713	26726	21265
20°	41580	21289	15913
25°	41202	16683	12630
30°	40339	13501	10773
35°	38644	11427	9800
40°	35749	10088	9275
45°	31783	9230	8989
50°	26923	8493	8492
55°	22119	7695	7755
60°	17687	6770	6803
65°	13731	5943	5920
70°	10660	5257	5236
75°	8246	4724	4770
80°	5826	4322	4434
85°	3238	4029	4254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.0	5.6
10°-20°	801.8	13.0
20°-30°	951.7	15.5
30°-40°	957.5	15.6
40°-50°	890.1	14.5
50°-60°	732.9	11.9
60°-70°	516.4	8.4
70°-80°	337.4	5.5
80°-90°	215.4	3.5
90°-100°	141.3	2.3
100°-110°	95.9	1.6
110°-120°	65.7	1.1
120°-130°	45.5	0.7
130°-140°	30.6	0.5
140°-150°	18.9	0.3
150°-160°	9.8	0.2
160°-170°	3.5	0.1
170°-180°	0.6	0.0
0°-30°	2095.5	34.0
0°-40°	3053.0	49.6
0°-60°	4676.0	75.9
0°-90°	5745.2	93.3
90°-120°	302.9	4.9
90°-150°	397.8	6.5
90°-180°	412.0	6.7
0°-180°	6157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3862	3862	3862	3862	3862	
5°	3882	3830	3692	3620	3582	370
15°	3785	3382	2720	2378	2249	1069
25°	3537	2614	1733	1455	1394	1627
35°	3027	1768	1175	1100	1094	1882
45°	2175	1165	910	958	984	1670
55°	1249	765	703	781	807	1128
65°	587	461	484	545	565	596
75°	229	239	326	384	400	248
85°	39	110	219	284	297	49
90°	0	74	178	242	252	2
95°	0	55	148	203	213	0
105°	0	39	100	142	155	0
115°	3	32	71	103	110	3
125°	3	26	58	74	81	3
135°	3	23	45	58	61	2
145°	3	16	32	45	48	2
155°	3	13	23	32	36	1
165°	3	6	13	16	19	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566585

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3862.5	3862.5	3862.5	3862.5	3862.5
1°	3894.7	3878.6	3836.7	3865.7	3859.2
2°	3891.5	3875.4	3827.0	3839.9	3817.3
3°	3888.3	3865.7	3791.5	3788.3	3756.0
4°	3885.1	3849.6	3746.3	3707.6	3681.8
5°	3881.8	3830.2	3691.5	3620.5	3581.7
6°	3878.6	3807.6	3620.5	3514.0	3459.1
7°	3872.2	3772.1	3546.2	3401.0	3330.0
8°	3865.7	3739.9	3452.7	3278.4	3191.3
9°	3859.2	3697.9	3359.1	3146.1	3042.9
10°	3846.3	3656.0	3262.3	3010.6	2900.9
11°	3839.9	3607.6	3168.7	2881.5	2752.5
12°	3827.0	3555.9	3068.7	2746.0	2633.1
13°	3814.1	3501.1	2946.1	2629.8	2494.3
14°	3801.2	3443.0	2839.6	2500.8	2374.9
15°	3785.0	3381.7	2720.2	2378.1	2249.1
16°	3768.9	3310.7	2613.7	2252.3	2116.8
17°	3752.8	3242.9	2513.7	2136.1	2013.5
18°	3733.4	3175.2	2397.5	2023.2	1903.8
19°	3707.6	3097.7	2303.9	1919.9	1810.2
20°	3685.0	3026.7	2197.4	1823.1	1726.3
21°	3659.2	2939.6	2091.0	1732.8	1636.0
22.5°	3620.5	2817.0	1955.4	1619.8	1529.5
23°	3601.1	2781.5	1900.6	1577.9	1500.5
24°	3575.3	2687.9	1810.2	1513.4	1435.9
25°	3536.6	2613.7	1732.8	1455.3	1394.0
26°	3501.1	2523.4	1655.3	1403.7	1342.3
27°	3465.6	2436.2	1587.6	1348.8	1297.2
28°	3420.4	2345.9	1513.4	1303.6	1258.4
29°	3372.0	2262.0	1452.1	1264.9	1229.4
30°	3323.6	2168.4	1400.4	1229.4	1200.4
32.5°	3188.1	1961.9	1268.1	1161.6	1142.3
35°	3026.7	1768.3	1174.6	1100.3	1093.9
37.5°	2846.0	1590.8	1090.7	1051.9	1058.4
40°	2633.1	1429.5	1019.7	1016.4	1029.3
42.5°	2407.2	1290.7	964.8	987.4	1006.8
45°	2174.9	1164.9	910.0	958.4	984.2
47.5°	1932.8	1055.2	861.6	922.9	951.9
50°	1687.6	948.7	809.9	880.9	910.0
52.5°	1468.2	855.1	758.3	832.5	864.8
55°	1248.8	764.7	703.4	780.9	806.7
57.5°	1058.4	680.9	645.4	722.8	742.2
60°	880.9	600.2	587.3	658.3	680.9
62.5°	719.6	529.2	532.4	600.2	622.8
65°	587.3	461.4	484.0	545.3	564.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	477.6	396.9	435.6	500.2	516.3
70°	377.5	338.8	396.9	455.0	471.1
72.5°	300.1	287.2	358.2	419.5	432.4
75°	229.1	238.8	325.9	384.0	400.1
77.5°	164.6	200.1	293.6	354.9	367.9
80°	116.2	164.6	267.8	329.1	342.0
82.5°	74.2	135.5	242.0	306.5	319.5
85°	38.7	109.7	219.4	284.0	296.9
87.5°	16.1	90.4	196.8	261.4	274.3
90°	0.0	74.2	177.5	242.0	251.7
92.5°	0.0	64.5	161.3	222.6	232.3
95°	0.0	54.9	148.4	203.3	213.0
97.5°	0.0	51.6	132.3	187.2	196.8
100°	0.0	45.2	119.4	171.0	183.9
102.5°	0.0	41.9	109.7	154.9	167.8
105°	0.0	38.7	100.0	142.0	154.9
107.5°	0.0	35.5	93.6	132.3	142.0
110°	0.0	35.5	83.9	122.6	132.3
112.5°	3.2	32.3	77.4	109.7	119.4
115°	3.2	32.3	71.0	103.3	109.7
117.5°	3.2	32.3	67.8	93.6	100.0
120°	3.2	29.0	64.5	87.1	93.6
122.5°	3.2	29.0	61.3	80.7	83.9
125°	3.2	25.8	58.1	74.2	80.7
127.5°	3.2	25.8	54.9	71.0	74.2
130°	3.2	25.8	51.6	64.5	71.0
132.5°	3.2	22.6	48.4	61.3	64.5
135°	3.2	22.6	45.2	58.1	61.3
137.5°	3.2	19.4	41.9	54.9	58.1
140°	3.2	19.4	38.7	51.6	54.9
142.5°	3.2	16.1	35.5	48.4	51.6
145°	3.2	16.1	32.3	45.2	48.4
147.5°	3.2	16.1	29.0	41.9	45.2
150°	3.2	12.9	25.8	38.7	41.9
152.5°	3.2	12.9	22.6	35.5	38.7
155°	3.2	12.9	22.6	32.3	35.5
157.5°	3.2	9.7	19.4	25.8	32.3
160°	3.2	9.7	16.1	22.6	29.0
162.5°	3.2	9.7	16.1	19.4	22.6
165°	3.2	6.5	12.9	16.1	19.4
167.5°	3.2	6.5	9.7	12.9	16.1
170°	3.2	6.5	9.7	9.7	12.9
172.5°	3.2	6.5	6.5	6.5	6.5
175°	6.5	6.5	6.5	6.5	3.2
177.5°	6.5	6.5	6.5	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)