

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: P566586

Luminaire Tested: **4SNX-57SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566586
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-L930-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

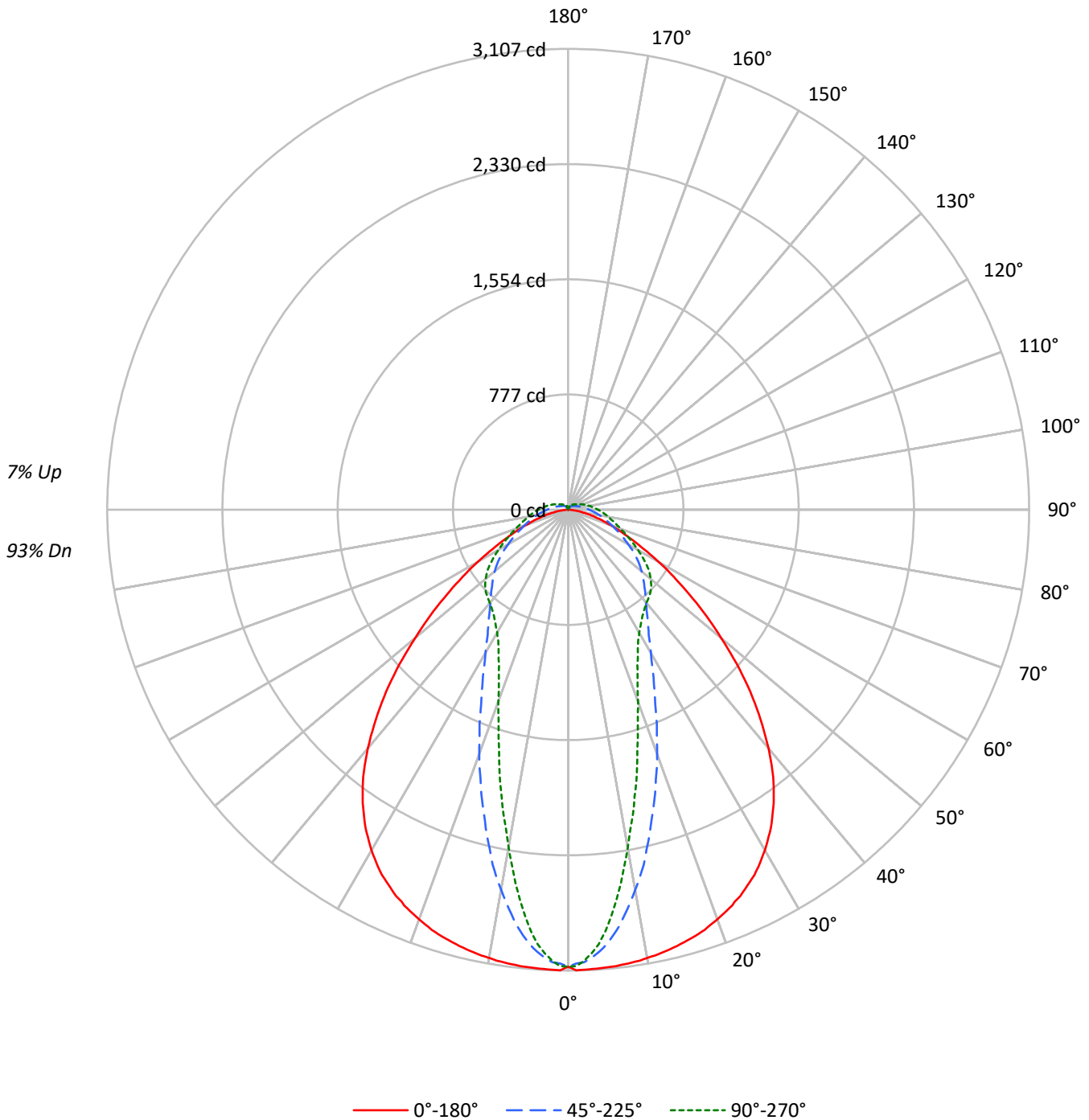
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4911.0 lumens
Efficiency: N/A
Efficacy: 123.7 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°	33161	33161	33161
5°	33334	30479	29168
10°	33287	26133	22630
15°	33271	21317	16961
20°	33166	16981	12693
25°	32864	13307	10074
30°	32176	10769	8592
35°	30824	9115	7816
40°	28514	8046	7398
45°	25350	7361	7170
50°	21475	6774	6773
55°	17643	6139	6185
60°	14107	5399	5426
65°	10951	4741	4721
70°	8503	4193	4177
75°	6576	3769	3805
80°	4648	3447	3537
85°	2585	3214	3393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.8	5.6
10°-20°	639.5	13.0
20°-30°	759.1	15.5
30°-40°	763.7	15.6
40°-50°	709.9	14.5
50°-60°	584.6	11.9
60°-70°	411.9	8.4
70°-80°	269.1	5.5
80°-90°	171.8	3.5
90°-100°	112.7	2.3
100°-110°	76.5	1.6
110°-120°	52.4	1.1
120°-130°	36.3	0.7
130°-140°	24.4	0.5
140°-150°	15.0	0.3
150°-160°	7.8	0.2
160°-170°	2.8	0.1
170°-180°	0.5	0.0
0°-30°	1671.4	34.0
0°-40°	2435.2	49.6
0°-60°	3729.7	75.9
0°-90°	4582.6	93.3
90°-120°	241.6	4.9
90°-150°	317.3	6.5
90°-180°	328.0	6.7
0°-180°	4911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3081	3081	3081	3081	3081	
5°	3096	3055	2944	2888	2857	295
15°	3019	2697	2170	1897	1794	853
25°	2821	2085	1382	1161	1112	1298
35°	2414	1410	937	878	872	1501
45°	1735	929	726	764	785	1332
55°	996	610	561	623	643	900
65°	468	368	386	435	450	475
75°	183	190	260	306	319	198
85°	31	88	175	226	237	39
90°	0	59	142	193	201	2
95°	0	44	118	162	170	0
105°	0	31	80	113	124	0
115°	3	26	57	82	88	2
125°	3	21	46	59	64	2
135°	3	18	36	46	49	2
145°	3	13	26	36	39	2
155°	3	10	18	26	28	1
165°	3	5	10	13	15	1
175°	5	5	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3080.8	3080.8	3080.8	3080.8	3080.8
1°	3106.6	3093.7	3060.2	3083.4	3078.2
2°	3104.0	3091.1	3052.5	3062.8	3044.8
3°	3101.4	3083.4	3024.2	3021.6	2995.9
4°	3098.8	3070.5	2988.2	2957.3	2936.7
5°	3096.3	3055.1	2944.4	2887.8	2856.9
6°	3093.7	3037.1	2887.8	2802.8	2759.1
7°	3088.5	3008.8	2828.6	2712.8	2656.1
8°	3083.4	2983.0	2753.9	2615.0	2545.5
9°	3078.2	2949.6	2679.3	2509.4	2427.1
10°	3067.9	2916.1	2602.1	2401.3	2313.8
11°	3062.8	2877.5	2527.5	2298.4	2195.4
12°	3052.5	2836.3	2447.7	2190.3	2100.2
13°	3042.2	2792.6	2349.9	2097.6	1989.5
14°	3031.9	2746.2	2264.9	1994.7	1894.3
15°	3019.0	2697.3	2169.7	1896.9	1793.9
16°	3006.2	2640.7	2084.8	1796.5	1688.4
17°	2993.3	2586.7	2005.0	1703.8	1606.0
18°	2977.9	2532.6	1912.3	1613.8	1518.5
19°	2957.3	2470.8	1837.7	1531.4	1443.9
20°	2939.3	2414.2	1752.7	1454.2	1377.0
21°	2918.7	2344.7	1667.8	1382.1	1304.9
22.5°	2887.8	2246.9	1559.7	1292.0	1220.0
23°	2872.3	2218.6	1516.0	1258.6	1196.8
24°	2851.8	2144.0	1443.9	1207.1	1145.3
25°	2820.9	2084.8	1382.1	1160.8	1111.9
26°	2792.6	2012.7	1320.4	1119.6	1070.7
27°	2764.2	1943.2	1266.3	1075.8	1034.7
28°	2728.2	1871.1	1207.1	1039.8	1003.8
29°	2689.6	1804.2	1158.2	1008.9	980.6
30°	2651.0	1729.6	1117.0	980.6	957.4
32.5°	2542.9	1564.9	1011.5	926.6	911.1
35°	2414.2	1410.4	936.9	877.7	872.5
37.5°	2270.1	1268.9	869.9	839.1	844.2
40°	2100.2	1140.2	813.3	810.7	821.0
42.5°	1920.0	1029.5	769.6	787.6	803.0
45°	1734.7	929.1	725.8	764.4	785.0
47.5°	1541.7	841.6	687.2	736.1	759.3
50°	1346.1	756.7	646.0	702.6	725.8
52.5°	1171.1	682.1	604.8	664.0	689.8
55°	996.1	610.0	561.1	622.9	643.4
57.5°	844.2	543.1	514.8	576.5	592.0
60°	702.6	478.7	468.4	525.1	543.1
62.5°	574.0	422.1	424.7	478.7	496.7
65°	468.4	368.1	386.1	435.0	450.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	380.9	316.6	347.5	398.9	411.8
70°	301.1	270.2	316.6	362.9	375.8
72.5°	239.4	229.1	285.7	334.6	344.9
75°	182.7	190.5	260.0	306.3	319.1
77.5°	131.3	159.6	234.2	283.1	293.4
80°	92.7	131.3	213.6	262.5	272.8
82.5°	59.2	108.1	193.0	244.5	254.8
85°	30.9	87.5	175.0	226.5	236.8
87.5°	12.9	72.1	157.0	208.5	218.8
90°	0.0	59.2	141.6	193.0	200.8
92.5°	0.0	51.5	128.7	177.6	185.3
95°	0.0	43.8	118.4	162.1	169.9
97.5°	0.0	41.2	105.5	149.3	157.0
100°	0.0	36.0	95.2	136.4	146.7
102.5°	0.0	33.5	87.5	123.5	133.8
105°	0.0	30.9	79.8	113.2	123.5
107.5°	0.0	28.3	74.6	105.5	113.2
110°	0.0	28.3	66.9	97.8	105.5
112.5°	2.6	25.7	61.8	87.5	95.2
115°	2.6	25.7	56.6	82.4	87.5
117.5°	2.6	25.7	54.0	74.6	79.8
120°	2.6	23.2	51.5	69.5	74.6
122.5°	2.6	23.2	48.9	64.3	66.9
125°	2.6	20.6	46.3	59.2	64.3
127.5°	2.6	20.6	43.8	56.6	59.2
130°	2.6	20.6	41.2	51.5	56.6
132.5°	2.6	18.0	38.6	48.9	51.5
135°	2.6	18.0	36.0	46.3	48.9
137.5°	2.6	15.4	33.5	43.8	46.3
140°	2.6	15.4	30.9	41.2	43.8
142.5°	2.6	12.9	28.3	38.6	41.2
145°	2.6	12.9	25.7	36.0	38.6
147.5°	2.6	12.9	23.2	33.5	36.0
150°	2.6	10.3	20.6	30.9	33.5
152.5°	2.6	10.3	18.0	28.3	30.9
155°	2.6	10.3	18.0	25.7	28.3
157.5°	2.6	7.7	15.4	20.6	25.7
160°	2.6	7.7	12.9	18.0	23.2
162.5°	2.6	7.7	12.9	15.4	18.0
165°	2.6	5.1	10.3	12.9	15.4
167.5°	2.6	5.1	7.7	10.3	12.9
170°	2.6	5.1	7.7	7.7	10.3
172.5°	2.6	5.1	5.1	5.1	5.1
175°	5.1	5.1	5.1	5.1	2.6
177.5°	5.1	5.1	5.1	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)