

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: P567087

Luminaire Tested: **4SNX-SL3-LN-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567087
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-SL3-LN-UNV-CC83-CD-4000K-MED
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

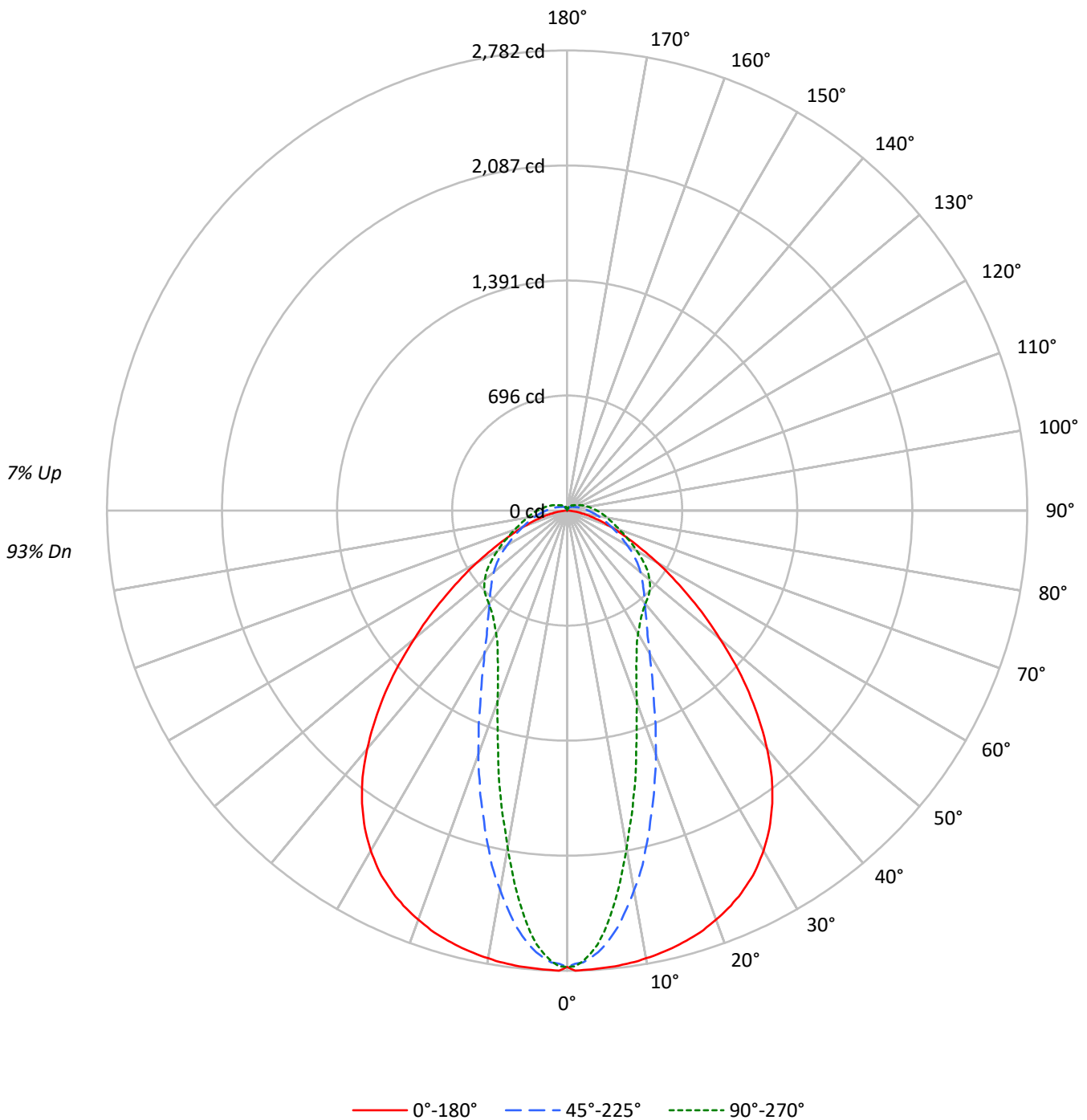
Lumens per Lamp: N/A
Luminaire Lumens: 4398.0 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 32.274
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°	29698	29698	29698
5°	29851	27295	26121
10°	29811	23403	20266
15°	29796	19091	15189
20°	29701	15208	11367
25°	29431	11916	9021
30°	28815	9644	7695
35°	27604	8162	7000
40°	25535	7206	6626
45°	22702	6593	6421
50°	19232	6066	6066
55°	15799	5498	5539
60°	12634	4836	4859
65°	9808	4245	4229
70°	7616	3755	3740
75°	5888	3374	3408
80°	4162	3088	3167
85°	2317	2878	3039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.3	5.6
10°-20°	572.7	13.0
20°-30°	679.8	15.5
30°-40°	684.0	15.6
40°-50°	635.8	14.5
50°-60°	523.5	11.9
60°-70°	368.9	8.4
70°-80°	241.0	5.5
80°-90°	153.9	3.5
90°-100°	100.9	2.3
100°-110°	68.5	1.6
110°-120°	46.9	1.1
120°-130°	32.5	0.7
130°-140°	21.9	0.5
140°-150°	13.5	0.3
150°-160°	7.0	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1496.8	34.0
0°-40°	2180.8	49.6
0°-60°	3340.1	75.9
0°-90°	4103.9	93.3
90°-120°	216.4	4.9
90°-150°	284.2	6.5
90°-180°	294.0	6.7
0°-180°	4398.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2759	2759	2759	2759	2759	
5°	2773	2736	2637	2586	2558	264
15°	2704	2416	1943	1699	1606	764
25°	2526	1867	1238	1040	996	1162
35°	2162	1263	839	786	781	1345
45°	1554	832	650	685	703	1193
55°	892	546	502	558	576	806
65°	420	330	346	390	403	426
75°	164	171	233	274	286	177
85°	28	78	157	203	212	35
90°	0	53	127	173	180	2
95°	0	39	106	145	152	0
105°	0	28	72	101	111	0
115°	2	23	51	74	78	2
125°	2	18	42	53	58	2
135°	2	16	32	42	44	2
145°	2	12	23	32	35	1
155°	2	9	16	23	25	1
165°	2	5	9	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2759.0	2759.0	2759.0	2759.0	2759.0
1°	2782.0	2770.5	2740.6	2761.3	2756.7
2°	2779.7	2768.2	2733.6	2742.9	2726.7
3°	2777.4	2761.3	2708.3	2706.0	2682.9
4°	2775.1	2749.8	2676.0	2648.4	2629.9
5°	2772.8	2735.9	2636.8	2586.1	2558.5
6°	2770.5	2719.8	2586.1	2510.1	2470.9
7°	2765.9	2694.5	2533.1	2429.4	2378.7
8°	2761.3	2671.4	2466.3	2341.8	2279.6
9°	2756.7	2641.4	2399.4	2247.3	2173.5
10°	2747.5	2611.5	2330.3	2150.5	2072.1
11°	2742.9	2576.9	2263.4	2058.3	1966.1
12°	2733.6	2540.0	2192.0	1961.5	1880.8
13°	2724.4	2500.8	2104.4	1878.5	1781.7
14°	2715.2	2459.4	2028.3	1786.3	1696.4
15°	2703.7	2415.6	1943.1	1698.7	1606.5
16°	2692.2	2364.9	1867.0	1608.8	1512.0
17°	2680.6	2316.5	1795.5	1525.9	1438.3
18°	2666.8	2268.0	1712.6	1445.2	1359.9
19°	2648.4	2212.7	1645.7	1371.4	1293.1
20°	2632.2	2162.0	1569.7	1302.3	1233.1
21°	2613.8	2099.8	1493.6	1237.7	1168.6
22.5°	2586.1	2012.2	1396.8	1157.1	1092.5
23°	2572.3	1986.8	1357.6	1127.1	1071.8
24°	2553.9	1920.0	1293.1	1081.0	1025.7
25°	2526.2	1867.0	1237.7	1039.5	995.7
26°	2500.8	1802.5	1182.4	1002.6	958.8
27°	2475.5	1740.2	1134.0	963.5	926.6
28°	2443.2	1675.7	1081.0	931.2	898.9
29°	2408.6	1615.8	1037.2	903.5	878.2
30°	2374.1	1548.9	1000.3	878.2	857.4
32.5°	2277.3	1401.4	905.8	829.8	815.9
35°	2162.0	1263.1	839.0	786.0	781.4
37.5°	2032.9	1136.3	779.1	751.4	756.0
40°	1880.8	1021.1	728.4	726.1	735.3
42.5°	1719.5	922.0	689.2	705.3	719.1
45°	1553.5	832.1	650.0	684.6	703.0
47.5°	1380.7	753.7	615.4	659.2	680.0
50°	1205.5	677.6	578.5	629.2	650.0
52.5°	1048.7	610.8	541.7	594.7	617.7
55°	892.0	546.3	502.5	557.8	576.2
57.5°	756.0	486.3	461.0	516.3	530.1
60°	629.2	428.7	419.5	470.2	486.3
62.5°	514.0	378.0	380.3	428.7	444.9
65°	419.5	329.6	345.7	389.5	403.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	341.1	283.5	311.2	357.3	368.8
70°	269.7	242.0	283.5	325.0	336.5
72.5°	214.4	205.1	255.8	299.6	308.9
75°	163.6	170.6	232.8	274.3	285.8
77.5°	117.6	142.9	209.7	253.5	262.8
80°	83.0	117.6	191.3	235.1	244.3
82.5°	53.0	96.8	172.9	219.0	228.2
85°	27.7	78.4	156.7	202.8	212.1
87.5°	11.5	64.5	140.6	186.7	195.9
90°	0.0	53.0	126.8	172.9	179.8
92.5°	0.0	46.1	115.2	159.0	166.0
95°	0.0	39.2	106.0	145.2	152.1
97.5°	0.0	36.9	94.5	133.7	140.6
100°	0.0	32.3	85.3	122.2	131.4
102.5°	0.0	30.0	78.4	110.6	119.9
105°	0.0	27.7	71.5	101.4	110.6
107.5°	0.0	25.4	66.8	94.5	101.4
110°	0.0	25.4	59.9	87.6	94.5
112.5°	2.3	23.0	55.3	78.4	85.3
115°	2.3	23.0	50.7	73.8	78.4
117.5°	2.3	23.0	48.4	66.8	71.5
120°	2.3	20.7	46.1	62.2	66.8
122.5°	2.3	20.7	43.8	57.6	59.9
125°	2.3	18.4	41.5	53.0	57.6
127.5°	2.3	18.4	39.2	50.7	53.0
130°	2.3	18.4	36.9	46.1	50.7
132.5°	2.3	16.1	34.6	43.8	46.1
135°	2.3	16.1	32.3	41.5	43.8
137.5°	2.3	13.8	30.0	39.2	41.5
140°	2.3	13.8	27.7	36.9	39.2
142.5°	2.3	11.5	25.4	34.6	36.9
145°	2.3	11.5	23.0	32.3	34.6
147.5°	2.3	11.5	20.7	30.0	32.3
150°	2.3	9.2	18.4	27.7	30.0
152.5°	2.3	9.2	16.1	25.4	27.7
155°	2.3	9.2	16.1	23.0	25.4
157.5°	2.3	6.9	13.8	18.4	23.0
160°	2.3	6.9	11.5	16.1	20.7
162.5°	2.3	6.9	11.5	13.8	16.1
165°	2.3	4.6	9.2	11.5	13.8
167.5°	2.3	4.6	6.9	9.2	11.5
170°	2.3	4.6	6.9	6.9	9.2
172.5°	2.3	4.6	4.6	4.6	4.6
175°	4.6	4.6	4.6	4.6	2.3
177.5°	4.6	4.6	4.6	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)