

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: P565875

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-4000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565875
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: 2SNX-SL3-LN-UNV-CC83-CD-4000K-MED
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, MED LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

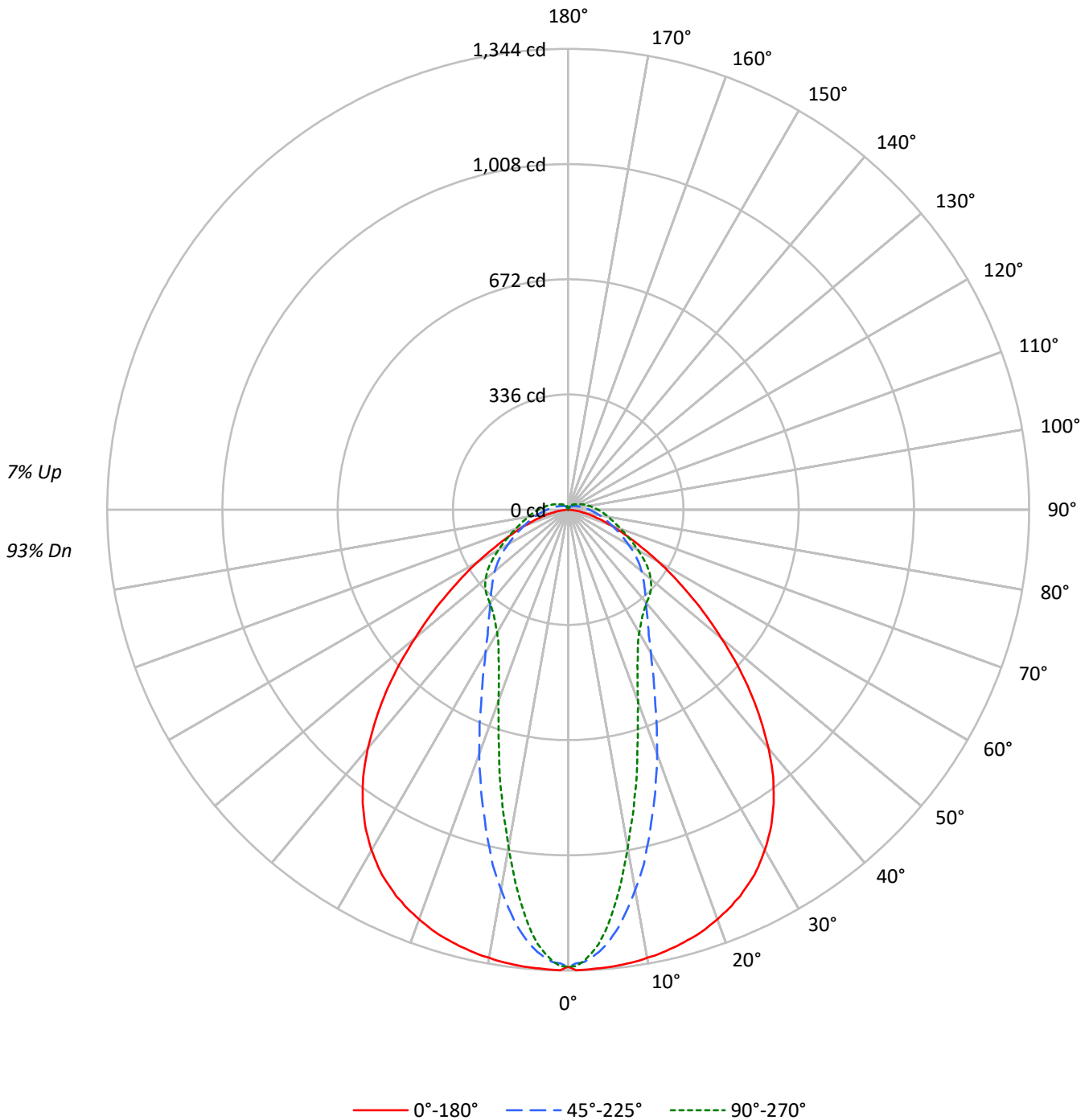
Lumens per Lamp: N/A
Luminaire Lumens: 2124.0 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.332
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	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	68	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°	28684	28684	28684
5°	28729	26300	25230
10°	28586	22497	19574
15°	28465	18312	14672
20°	28265	14558	10979
25°	27895	11384	8714
30°	27194	9194	7433
35°	25927	7765	6762
40°	23857	6842	6399
45°	21086	6245	6202
50°	17737	5734	5858
55°	14449	5183	5351
60°	11434	4547	4694
65°	8756	3980	4084
70°	6668	3507	3612
75°	5012	3138	3291
80°	3376	2858	3060
85°	1695	2648	2934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	5.6
10°-20°	276.6	13.0
20°-30°	328.3	15.5
30°-40°	330.3	15.6
40°-50°	307.0	14.5
50°-60°	252.8	11.9
60°-70°	178.2	8.4
70°-80°	116.4	5.5
80°-90°	74.3	3.5
90°-100°	48.7	2.3
100°-110°	33.1	1.6
110°-120°	22.7	1.1
120°-130°	15.7	0.7
130°-140°	10.6	0.5
140°-150°	6.5	0.3
150°-160°	3.4	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	722.9	34.0
0°-40°	1053.2	49.6
0°-60°	1613.1	75.9
0°-90°	1981.9	93.3
90°-120°	104.5	4.9
90°-150°	137.2	6.5
90°-180°	142.0	6.7
0°-180°	2124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1339	1321	1274	1249	1236	127
15°	1306	1167	938	820	776	369
25°	1220	902	598	502	481	561
35°	1044	610	405	380	377	649
45°	750	402	314	331	340	576
55°	431	264	243	269	278	389
65°	203	159	167	188	195	206
75°	79	82	112	132	138	85
85°	13	38	76	98	102	17
90°	0	26	61	84	87	1
95°	0	19	51	70	74	0
105°	0	13	34	49	53	0
115°	1	11	24	36	38	1
125°	1	9	20	26	28	1
135°	1	8	16	20	21	1
145°	1	6	11	16	17	1
155°	1	4	8	11	12	1
165°	1	2	4	6	7	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1332.4	1332.4	1332.4	1332.4	1332.4
1°	1343.6	1338.0	1323.5	1333.6	1331.3
2°	1342.5	1336.9	1320.2	1324.7	1316.9
3°	1341.4	1333.6	1308.0	1306.8	1295.7
4°	1340.2	1328.0	1292.4	1279.0	1270.1
5°	1339.1	1321.3	1273.5	1249.0	1235.6
6°	1338.0	1313.5	1249.0	1212.2	1193.3
7°	1335.8	1301.3	1223.4	1173.3	1148.8
8°	1333.6	1290.1	1191.1	1131.0	1100.9
9°	1331.3	1275.7	1158.8	1085.3	1049.7
10°	1326.9	1261.2	1125.4	1038.6	1000.7
11°	1324.7	1244.5	1093.1	994.0	949.5
12°	1320.2	1226.7	1058.6	947.3	908.3
13°	1315.8	1207.8	1016.3	907.2	860.5
14°	1311.3	1187.7	979.6	862.7	819.3
15°	1305.7	1166.6	938.4	820.4	775.9
16°	1300.2	1142.1	901.7	777.0	730.2
17°	1294.6	1118.7	867.1	736.9	694.6
18°	1287.9	1095.3	827.1	697.9	656.8
19°	1279.0	1068.6	794.8	662.3	624.5
20°	1271.2	1044.1	758.1	628.9	595.5
21°	1262.3	1014.1	721.3	597.8	564.4
22.5°	1249.0	971.8	674.6	558.8	527.6
23°	1242.3	959.5	655.6	544.3	517.6
24°	1233.4	927.3	624.5	522.1	495.4
25°	1220.0	901.7	597.8	502.0	480.9
26°	1207.8	870.5	571.0	484.2	463.1
27°	1195.5	840.4	547.7	465.3	447.5
28°	1179.9	809.3	522.1	449.7	434.1
29°	1163.2	780.3	500.9	436.4	424.1
30°	1146.6	748.0	483.1	424.1	414.1
32.5°	1099.8	676.8	437.5	400.7	394.1
35°	1044.1	610.0	405.2	379.6	377.4
37.5°	981.8	548.8	376.2	362.9	365.1
40°	908.3	493.1	351.8	350.6	355.1
42.5°	830.4	445.3	332.8	340.6	347.3
45°	750.3	401.8	313.9	330.6	339.5
47.5°	666.8	364.0	297.2	318.4	328.4
50°	582.2	327.3	279.4	303.9	313.9
52.5°	506.5	295.0	261.6	287.2	298.3
55°	430.8	263.8	242.7	269.4	278.3
57.5°	365.1	234.9	222.6	249.3	256.0
60°	303.9	207.0	202.6	227.1	234.9
62.5°	248.2	182.6	183.7	207.0	214.8
65°	202.6	159.2	167.0	188.1	194.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	164.7	136.9	150.3	172.5	178.1
70°	130.2	116.9	136.9	157.0	162.5
72.5°	103.5	99.1	123.6	144.7	149.2
75°	79.0	82.4	112.4	132.5	138.0
77.5°	56.8	69.0	101.3	122.4	126.9
80°	40.1	56.8	92.4	113.5	118.0
82.5°	25.6	46.8	83.5	105.7	110.2
85°	13.4	37.8	75.7	98.0	102.4
87.5°	5.6	31.2	67.9	90.2	94.6
90°	0.0	25.6	61.2	83.5	86.8
92.5°	0.0	22.3	55.7	76.8	80.1
95°	0.0	18.9	51.2	70.1	73.5
97.5°	0.0	17.8	45.6	64.6	67.9
100°	0.0	15.6	41.2	59.0	63.4
102.5°	0.0	14.5	37.8	53.4	57.9
105°	0.0	13.4	34.5	49.0	53.4
107.5°	0.0	12.2	32.3	45.6	49.0
110°	0.0	12.2	28.9	42.3	45.6
112.5°	1.1	11.1	26.7	37.8	41.2
115°	1.1	11.1	24.5	35.6	37.8
117.5°	1.1	11.1	23.4	32.3	34.5
120°	1.1	10.0	22.3	30.1	32.3
122.5°	1.1	10.0	21.1	27.8	28.9
125°	1.1	8.9	20.0	25.6	27.8
127.5°	1.1	8.9	18.9	24.5	25.6
130°	1.1	8.9	17.8	22.3	24.5
132.5°	1.1	7.8	16.7	21.1	22.3
135°	1.1	7.8	15.6	20.0	21.1
137.5°	1.1	6.7	14.5	18.9	20.0
140°	1.1	6.7	13.4	17.8	18.9
142.5°	1.1	5.6	12.2	16.7	17.8
145°	1.1	5.6	11.1	15.6	16.7
147.5°	1.1	5.6	10.0	14.5	15.6
150°	1.1	4.5	8.9	13.4	14.5
152.5°	1.1	4.5	7.8	12.2	13.4
155°	1.1	4.5	7.8	11.1	12.2
157.5°	1.1	3.3	6.7	8.9	11.1
160°	1.1	3.3	5.6	7.8	10.0
162.5°	1.1	3.3	5.6	6.7	7.8
165°	1.1	2.2	4.5	5.6	6.7
167.5°	1.1	2.2	3.3	4.5	5.6
170°	1.1	2.2	3.3	3.3	4.5
172.5°	1.1	2.2	2.2	2.2	2.2
175°	2.2	2.2	2.2	2.2	1.1
177.5°	2.2	2.2	2.2	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)