

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: P565876

Luminaire Tested: **2SNX-SL3-LN-UNV-CC83-CD-5000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565876
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-5000K-HI
Description: 2FT 3200 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, HI LUMEN SETTING, AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

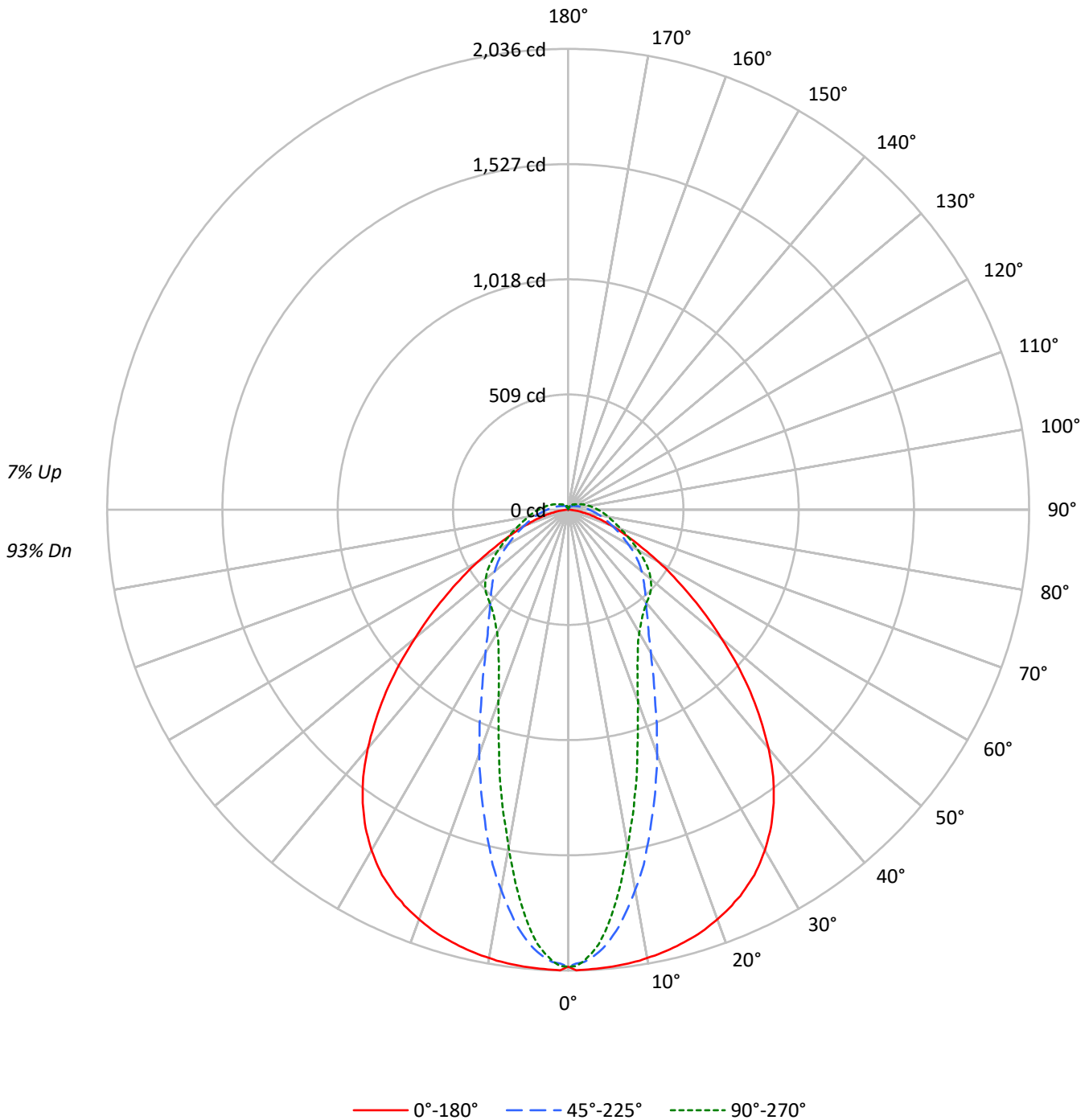
Lumens per Lamp: N/A
Luminaire Lumens: 3218.0 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.2
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	43458	43458	43458
5°	43527	39846	38225
10°	43309	34086	29658
15°	43128	27743	22228
20°	42825	22054	16635
25°	42263	17248	13202
30°	41199	13929	11261
35°	39281	11765	10243
40°	36147	10364	9695
45°	31945	9462	9396
50°	26871	8687	8876
55°	21892	7853	8106
60°	17322	6887	7112
65°	13263	6030	6187
70°	10105	5313	5473
75°	7594	4755	4986
80°	5110	4331	4636
85°	2555	4012	4447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	5.6
10°-20°	419.0	13.0
20°-30°	497.4	15.5
30°-40°	500.4	15.6
40°-50°	465.2	14.5
50°-60°	383.1	11.9
60°-70°	269.9	8.4
70°-80°	176.3	5.5
80°-90°	112.6	3.5
90°-100°	73.8	2.3
100°-110°	50.1	1.6
110°-120°	34.4	1.1
120°-130°	23.8	0.7
130°-140°	16.0	0.5
140°-150°	9.9	0.3
150°-160°	5.1	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1095.2	34.0
0°-40°	1595.7	49.6
0°-60°	2443.9	75.9
0°-90°	3002.8	93.3
90°-120°	158.3	4.9
90°-150°	207.9	6.5
90°-180°	215.0	6.7
0°-180°	3218.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2019	2019	2019	2019	2019	
5°	2029	2002	1929	1892	1872	193
15°	1978	1768	1422	1243	1176	559
25°	1848	1366	906	761	729	851
35°	1582	924	614	575	572	984
45°	1137	609	476	501	514	873
55°	653	400	368	408	422	589
65°	307	241	253	285	295	311
75°	120	125	170	201	209	129
85°	20	57	115	148	155	25
90°	0	39	93	126	132	1
95°	0	29	78	106	111	0
105°	0	20	52	74	81	0
115°	2	17	37	54	57	1
125°	2	14	30	39	42	2
135°	2	12	24	30	32	1
145°	2	8	17	24	25	1
155°	2	7	12	17	19	1
165°	2	3	7	8	10	0
175°	3	3	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2018.7	2018.7	2018.7	2018.7	2018.7
1°	2035.6	2027.2	2005.3	2020.4	2017.1
2°	2033.9	2025.5	2000.2	2006.9	1995.1
3°	2032.2	2020.4	1981.6	1980.0	1963.1
4°	2030.6	2012.0	1958.0	1937.8	1924.3
5°	2028.9	2001.9	1929.4	1892.3	1872.0
6°	2027.2	1990.1	1892.3	1836.6	1807.9
7°	2023.8	1971.5	1853.5	1777.6	1740.5
8°	2020.4	1954.7	1804.6	1713.5	1668.0
9°	2017.1	1932.7	1755.7	1644.3	1590.4
10°	2010.3	1910.8	1705.1	1573.5	1516.2
11°	2006.9	1885.5	1656.1	1506.0	1438.6
12°	2000.2	1858.5	1603.9	1435.2	1376.2
13°	1993.5	1829.9	1539.8	1374.5	1303.7
14°	1986.7	1799.5	1484.1	1307.0	1241.3
15°	1978.3	1767.5	1421.7	1243.0	1175.5
16°	1969.8	1730.4	1366.1	1177.2	1106.3
17°	1961.4	1694.9	1313.8	1116.5	1052.4
18°	1951.3	1659.5	1253.1	1057.4	995.0
19°	1937.8	1619.0	1204.2	1003.5	946.1
20°	1926.0	1581.9	1148.5	952.9	902.3
21°	1912.5	1536.4	1092.9	905.7	855.1
22.5°	1892.3	1472.3	1022.0	846.6	799.4
23°	1882.1	1453.8	993.4	824.7	784.2
24°	1868.6	1404.9	946.1	791.0	750.5
25°	1848.4	1366.1	905.7	760.6	728.6
26°	1829.9	1318.8	865.2	733.6	701.6
27°	1811.3	1273.3	829.8	705.0	678.0
28°	1787.7	1226.1	791.0	681.3	657.7
29°	1762.4	1182.2	758.9	661.1	642.6
30°	1737.1	1133.3	731.9	642.6	627.4
32.5°	1666.3	1025.4	662.8	607.1	597.0
35°	1581.9	924.2	613.9	575.1	571.7
37.5°	1487.5	831.4	570.0	549.8	553.2
40°	1376.2	747.1	532.9	531.2	538.0
42.5°	1258.1	674.6	504.3	516.1	526.2
45°	1136.7	608.8	475.6	500.9	514.4
47.5°	1010.2	551.5	450.3	482.3	497.5
50°	882.0	495.8	423.3	460.4	475.6
52.5°	767.4	446.9	396.3	435.1	452.0
55°	652.7	399.7	367.7	408.1	421.6
57.5°	553.2	355.9	337.3	377.8	387.9
60°	460.4	313.7	306.9	344.0	355.9
62.5°	376.1	276.6	278.3	313.7	325.5
65°	306.9	241.2	253.0	285.0	295.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	249.6	207.4	227.7	261.4	269.8
70°	197.3	177.1	207.4	237.8	246.2
72.5°	156.8	150.1	187.2	219.2	226.0
75°	119.7	124.8	170.3	200.7	209.1
77.5°	86.0	104.6	153.5	185.5	192.3
80°	60.7	86.0	140.0	172.0	178.8
82.5°	38.8	70.8	126.5	160.2	167.0
85°	20.2	57.3	114.7	148.4	155.2
87.5°	8.4	47.2	102.9	136.6	143.4
90°	0.0	38.8	92.8	126.5	131.5
92.5°	0.0	33.7	84.3	116.4	121.4
95°	0.0	28.7	77.6	106.2	111.3
97.5°	0.0	27.0	69.1	97.8	102.9
100°	0.0	23.6	62.4	89.4	96.1
102.5°	0.0	21.9	57.3	81.0	87.7
105°	0.0	20.2	52.3	74.2	81.0
107.5°	0.0	18.6	48.9	69.1	74.2
110°	0.0	18.6	43.8	64.1	69.1
112.5°	1.7	16.9	40.5	57.3	62.4
115°	1.7	16.9	37.1	54.0	57.3
117.5°	1.7	16.9	35.4	48.9	52.3
120°	1.7	15.2	33.7	45.5	48.9
122.5°	1.7	15.2	32.0	42.2	43.8
125°	1.7	13.5	30.4	38.8	42.2
127.5°	1.7	13.5	28.7	37.1	38.8
130°	1.7	13.5	27.0	33.7	37.1
132.5°	1.7	11.8	25.3	32.0	33.7
135°	1.7	11.8	23.6	30.4	32.0
137.5°	1.7	10.1	21.9	28.7	30.4
140°	1.7	10.1	20.2	27.0	28.7
142.5°	1.7	8.4	18.6	25.3	27.0
145°	1.7	8.4	16.9	23.6	25.3
147.5°	1.7	8.4	15.2	21.9	23.6
150°	1.7	6.7	13.5	20.2	21.9
152.5°	1.7	6.7	11.8	18.6	20.2
155°	1.7	6.7	11.8	16.9	18.6
157.5°	1.7	5.1	10.1	13.5	16.9
160°	1.7	5.1	8.4	11.8	15.2
162.5°	1.7	5.1	8.4	10.1	11.8
165°	1.7	3.4	6.7	8.4	10.1
167.5°	1.7	3.4	5.1	6.7	8.4
170°	1.7	3.4	5.1	5.1	6.7
172.5°	1.7	3.4	3.4	3.4	3.4
175°	3.4	3.4	3.4	3.4	1.7
177.5°	3.4	3.4	3.4	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)