

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: P565659

Luminaire Tested: **2SNX-30SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565659
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-30SL-LN-UNV-L835-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

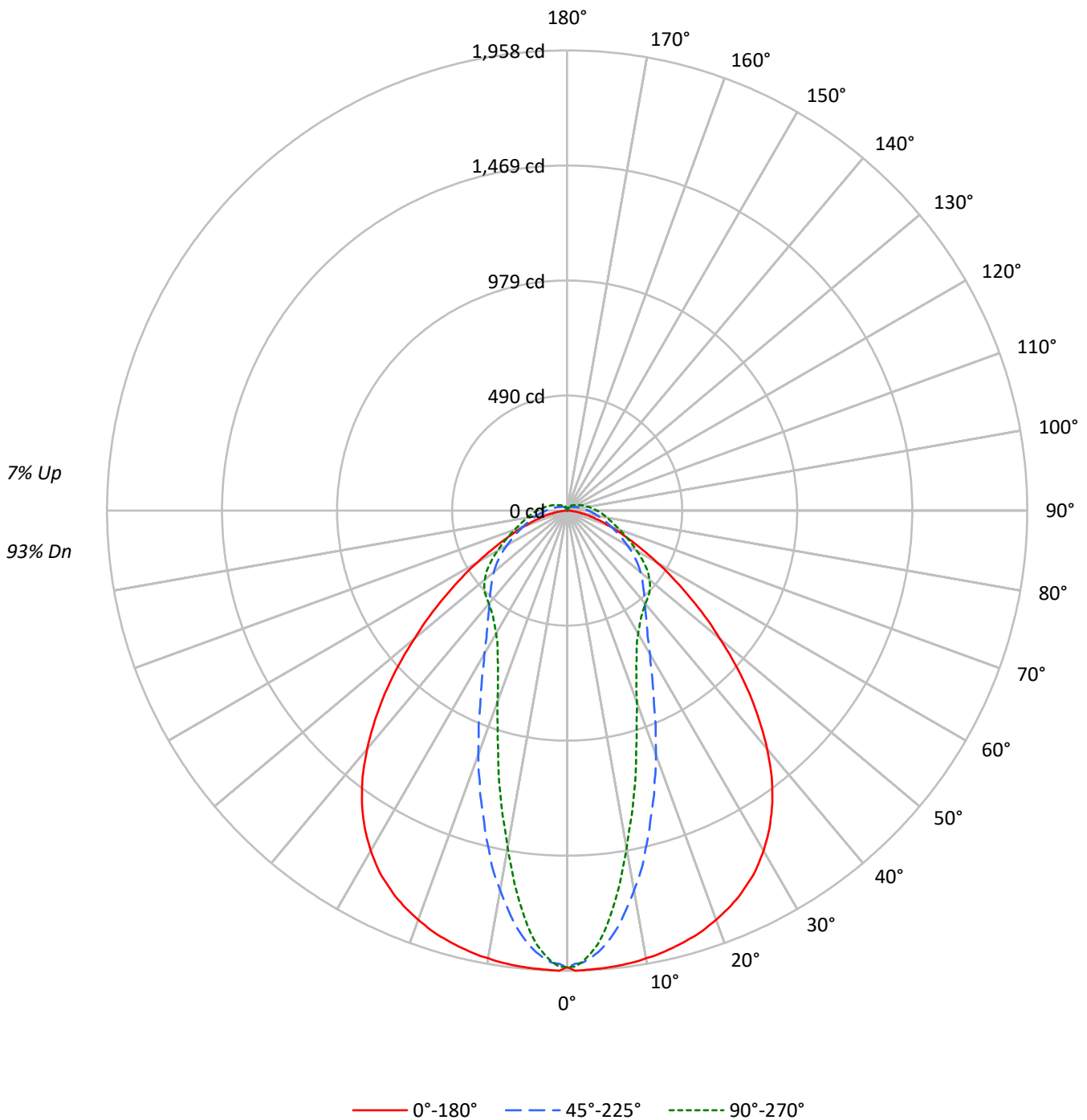
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3096.0 lumens
Efficiency: N/A
Efficacy: 147.4 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): 21
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	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°	41811	41811	41811
5°	41875	38334	36777
10°	41667	32792	28533
15°	41493	26692	21385
20°	41201	21219	16004
25°	40660	16593	12700
30°	39636	13402	10834
35°	37794	11318	9856
40°	34776	9971	9328
45°	30733	9104	9040
50°	25853	8358	8540
55°	21060	7554	7798
60°	16668	6627	6842
65°	12762	5801	5952
70°	9721	5113	5266
75°	7309	4576	4798
80°	4916	4167	4460
85°	2467	3858	4278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	5.6
10°-20°	403.2	13.0
20°-30°	478.6	15.5
30°-40°	481.5	15.6
40°-50°	447.6	14.5
50°-60°	368.5	11.9
60°-70°	259.7	8.4
70°-80°	169.7	5.5
80°-90°	108.3	3.5
90°-100°	71.0	2.3
100°-110°	48.2	1.6
110°-120°	33.0	1.1
120°-130°	22.9	0.7
130°-140°	15.4	0.5
140°-150°	9.5	0.3
150°-160°	4.9	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1053.7	34.0
0°-40°	1535.2	49.6
0°-60°	2351.3	75.9
0°-90°	2888.9	93.3
90°-120°	152.3	4.9
90°-150°	200.1	6.5
90°-180°	207.0	6.7
0°-180°	3096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1942	1942	1942	1942	1942	
5°	1952	1926	1856	1820	1801	186
15°	1903	1700	1368	1196	1131	538
25°	1778	1314	871	732	701	818
35°	1522	889	591	553	550	947
45°	1094	586	458	482	495	840
55°	628	384	354	393	406	567
65°	295	232	243	274	284	300
75°	115	120	164	193	201	125
85°	20	55	110	143	149	24
90°	0	37	89	122	127	1
95°	0	28	75	102	107	0
105°	0	20	50	71	78	0
115°	2	16	36	52	55	1
125°	2	13	29	37	41	1
135°	2	11	23	29	31	1
145°	2	8	16	23	24	1
155°	2	6	11	16	18	1
165°	2	3	6	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°	1942.2	1942.2	1942.2	1942.2	1942.2
1°	1958.4	1950.3	1929.2	1943.8	1940.6
2°	1956.8	1948.7	1924.4	1930.9	1919.5
3°	1955.2	1943.8	1906.5	1904.9	1888.7
4°	1953.6	1935.7	1883.8	1864.3	1851.3
5°	1951.9	1926.0	1856.2	1820.5	1801.1
6°	1950.3	1914.6	1820.5	1767.0	1739.4
7°	1947.1	1896.8	1783.2	1710.2	1674.5
8°	1943.8	1880.6	1736.1	1648.5	1604.7
9°	1940.6	1859.5	1689.1	1582.0	1530.1
10°	1934.1	1838.4	1640.4	1513.9	1458.7
11°	1930.9	1814.0	1593.4	1449.0	1384.1
12°	1924.4	1788.1	1543.1	1380.8	1324.0
13°	1917.9	1760.5	1481.4	1322.4	1254.2
14°	1911.4	1731.3	1427.9	1257.5	1194.2
15°	1903.3	1700.5	1367.8	1195.8	1130.9
16°	1895.2	1664.8	1314.3	1132.6	1064.4
17°	1887.0	1630.7	1264.0	1074.1	1012.5
18°	1877.3	1596.6	1205.6	1017.3	957.3
19°	1864.3	1557.7	1158.5	965.4	910.3
20°	1853.0	1522.0	1105.0	916.8	868.1
21°	1840.0	1478.2	1051.4	871.3	822.6
22.5°	1820.5	1416.5	983.3	814.5	769.1
23°	1810.8	1398.7	955.7	793.4	754.5
24°	1797.8	1351.6	910.3	761.0	722.0
25°	1778.3	1314.3	871.3	731.8	700.9
26°	1760.5	1268.8	832.4	705.8	675.0
27°	1742.6	1225.0	798.3	678.2	652.3
28°	1719.9	1179.6	761.0	655.5	632.8
29°	1695.6	1137.4	730.2	636.0	618.2
30°	1671.2	1090.4	704.2	618.2	603.6
32.5°	1603.1	986.5	637.7	584.1	574.4
35°	1522.0	889.2	590.6	553.3	550.1
37.5°	1431.1	799.9	548.4	529.0	532.2
40°	1324.0	718.8	512.7	511.1	517.6
42.5°	1210.4	649.0	485.1	496.5	506.2
45°	1093.6	585.7	457.6	481.9	494.9
47.5°	971.9	530.6	433.2	464.1	478.7
50°	848.6	477.0	407.3	443.0	457.6
52.5°	738.3	430.0	381.3	418.6	434.8
55°	627.9	384.5	353.7	392.7	405.6
57.5°	532.2	342.4	324.5	363.5	373.2
60°	443.0	301.8	295.3	331.0	342.4
62.5°	361.8	266.1	267.7	301.8	313.2
65°	295.3	232.0	243.4	274.2	283.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	240.1	199.6	219.0	251.5	259.6
70°	189.8	170.4	199.6	228.8	236.9
72.5°	150.9	144.4	180.1	210.9	217.4
75°	115.2	120.1	163.9	193.1	201.2
77.5°	82.8	100.6	147.7	178.5	185.0
80°	58.4	82.8	134.7	165.5	172.0
82.5°	37.3	68.1	121.7	154.1	160.6
85°	19.5	55.2	110.3	142.8	149.3
87.5°	8.1	45.4	99.0	131.4	137.9
90°	0.0	37.3	89.2	121.7	126.6
92.5°	0.0	32.5	81.1	112.0	116.8
95°	0.0	27.6	74.6	102.2	107.1
97.5°	0.0	26.0	66.5	94.1	99.0
100°	0.0	22.7	60.0	86.0	92.5
102.5°	0.0	21.1	55.2	77.9	84.4
105°	0.0	19.5	50.3	71.4	77.9
107.5°	0.0	17.8	47.1	66.5	71.4
110°	0.0	17.8	42.2	61.7	66.5
112.5°	1.6	16.2	38.9	55.2	60.0
115°	1.6	16.2	35.7	51.9	55.2
117.5°	1.6	16.2	34.1	47.1	50.3
120°	1.6	14.6	32.5	43.8	47.1
122.5°	1.6	14.6	30.8	40.6	42.2
125°	1.6	13.0	29.2	37.3	40.6
127.5°	1.6	13.0	27.6	35.7	37.3
130°	1.6	13.0	26.0	32.5	35.7
132.5°	1.6	11.4	24.3	30.8	32.5
135°	1.6	11.4	22.7	29.2	30.8
137.5°	1.6	9.7	21.1	27.6	29.2
140°	1.6	9.7	19.5	26.0	27.6
142.5°	1.6	8.1	17.8	24.3	26.0
145°	1.6	8.1	16.2	22.7	24.3
147.5°	1.6	8.1	14.6	21.1	22.7
150°	1.6	6.5	13.0	19.5	21.1
152.5°	1.6	6.5	11.4	17.8	19.5
155°	1.6	6.5	11.4	16.2	17.8
157.5°	1.6	4.9	9.7	13.0	16.2
160°	1.6	4.9	8.1	11.4	14.6
162.5°	1.6	4.9	8.1	9.7	11.4
165°	1.6	3.2	6.5	8.1	9.7
167.5°	1.6	3.2	4.9	6.5	8.1
170°	1.6	3.2	4.9	4.9	6.5
172.5°	1.6	3.2	3.2	3.2	3.2
175°	3.2	3.2	3.2	3.2	1.6
177.5°	3.2	3.2	3.2	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)