

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: P565658

Luminaire Tested: **2SNX-30SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565658
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-L830-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

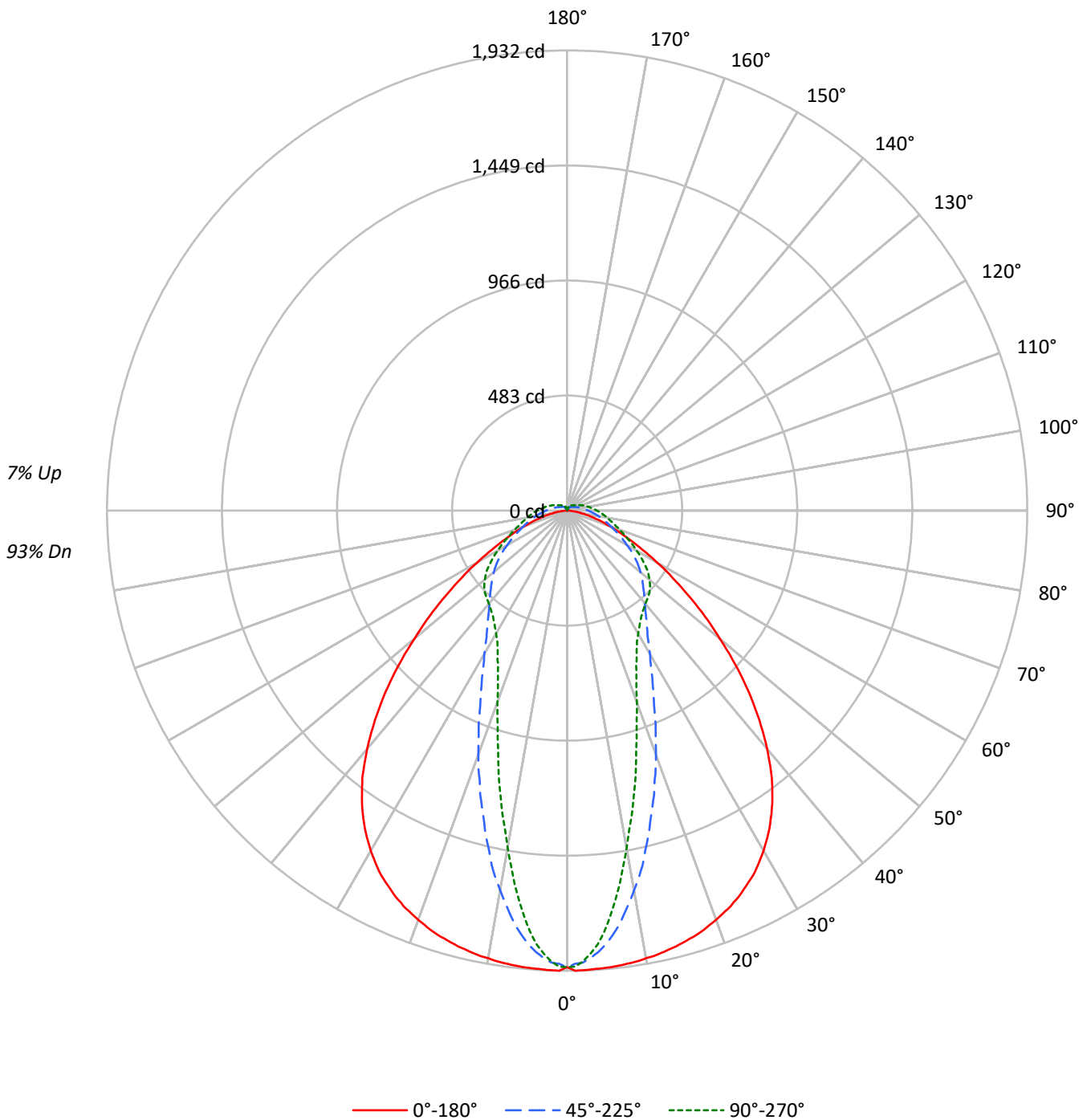
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3054.9 lumens
Efficiency: N/A
Efficacy: 145.5 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 (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																		
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	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°	41258	41258	41258
5°	41322	37826	36289
10°	41116	32359	28155
15°	40943	26338	21103
20°	40655	20937	15792
25°	40123	16374	12534
30°	39112	13225	10691
35°	37292	11169	9725
40°	34316	9839	9203
45°	30326	8982	8920
50°	25512	8247	8426
55°	20782	7454	7696
60°	16446	6539	6750
65°	12593	5725	5874
70°	9593	5044	5197
75°	7214	4514	4733
80°	4849	4111	4400
85°	2429	3809	4221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	5.6
10°-20°	397.8	13.0
20°-30°	472.2	15.5
30°-40°	475.1	15.6
40°-50°	441.6	14.5
50°-60°	363.7	11.9
60°-70°	256.3	8.4
70°-80°	167.4	5.5
80°-90°	106.9	3.5
90°-100°	70.1	2.3
100°-110°	47.6	1.6
110°-120°	32.6	1.1
120°-130°	22.5	0.7
130°-140°	15.2	0.5
140°-150°	9.4	0.3
150°-160°	4.9	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	1039.8	34.0
0°-40°	1514.9	49.6
0°-60°	2320.1	75.9
0°-90°	2850.7	93.3
90°-120°	150.3	4.9
90°-150°	197.3	6.5
90°-180°	204.0	6.7
0°-180°	3054.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1926	1900	1832	1796	1777	183
15°	1878	1678	1350	1180	1116	530
25°	1755	1297	860	722	692	808
35°	1502	877	583	546	543	934
45°	1079	578	452	476	488	828
55°	620	380	349	388	400	560
65°	291	229	240	271	280	296
75°	114	118	162	190	198	123
85°	19	54	109	141	147	24
90°	0	37	88	120	125	1
95°	0	27	74	101	106	0
105°	0	19	50	70	77	0
115°	2	16	35	51	54	1
125°	2	13	29	37	40	1
135°	2	11	22	29	30	1
145°	2	8	16	22	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°	1916.5	1916.5	1916.5	1916.5	1916.5
1°	1932.5	1924.5	1903.7	1918.1	1914.9
2°	1930.9	1922.9	1898.9	1905.3	1894.1
3°	1929.3	1918.1	1881.3	1879.7	1863.7
4°	1927.7	1910.1	1858.9	1839.6	1826.8
5°	1926.1	1900.5	1831.6	1796.4	1777.2
6°	1924.5	1889.3	1796.4	1743.6	1716.4
7°	1921.3	1871.7	1759.6	1687.5	1652.3
8°	1918.1	1855.7	1713.2	1626.7	1583.5
9°	1914.9	1834.8	1666.7	1561.1	1509.8
10°	1908.5	1814.0	1618.7	1493.8	1439.4
11°	1905.3	1790.0	1572.3	1429.8	1365.7
12°	1898.9	1764.4	1522.6	1362.5	1306.5
13°	1892.5	1737.2	1461.8	1304.9	1237.6
14°	1886.1	1708.4	1409.0	1240.8	1178.4
15°	1878.1	1677.9	1349.7	1180.0	1116.0
16°	1870.1	1642.7	1296.9	1117.6	1050.3
17°	1862.1	1609.1	1247.2	1059.9	999.1
18°	1852.4	1575.5	1189.6	1003.9	944.6
19°	1839.6	1537.0	1143.2	952.6	898.2
20°	1828.4	1501.8	1090.3	904.6	856.6
21°	1815.6	1458.6	1037.5	859.8	811.7
22.5°	1796.4	1397.7	970.3	803.7	758.9
23°	1786.8	1380.1	943.0	782.9	744.5
24°	1774.0	1333.7	898.2	750.9	712.5
25°	1754.8	1296.9	859.8	722.1	691.7
26°	1737.2	1252.0	821.4	696.5	666.0
27°	1719.6	1208.8	787.7	669.3	643.6
28°	1697.1	1164.0	750.9	646.8	624.4
29°	1673.1	1122.4	720.5	627.6	610.0
30°	1649.1	1075.9	694.9	610.0	595.6
32.5°	1581.9	973.5	629.2	576.4	566.8
35°	1501.8	877.4	582.8	546.0	542.8
37.5°	1412.2	789.3	541.2	522.0	525.2
40°	1306.5	709.3	505.9	504.3	510.7
42.5°	1194.4	640.4	478.7	489.9	499.5
45°	1079.1	578.0	451.5	475.5	488.3
47.5°	959.0	523.6	427.5	457.9	472.3
50°	837.4	470.7	401.9	437.1	451.5
52.5°	728.5	424.3	376.3	413.1	429.1
55°	619.6	379.5	349.0	387.5	400.3
57.5°	525.2	337.8	320.2	358.6	368.2
60°	437.1	297.8	291.4	326.6	337.8
62.5°	357.0	262.6	264.2	297.8	309.0
65°	291.4	229.0	240.2	270.6	280.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	237.0	196.9	216.1	248.2	256.2
70°	187.3	168.1	196.9	225.8	233.8
72.5°	148.9	142.5	177.7	208.1	214.5
75°	113.7	118.5	161.7	190.5	198.5
77.5°	81.7	99.3	145.7	176.1	182.5
80°	57.6	81.7	132.9	163.3	169.7
82.5°	36.8	67.2	120.1	152.1	158.5
85°	19.2	54.4	108.9	140.9	147.3
87.5°	8.0	44.8	97.7	129.7	136.1
90°	0.0	36.8	88.1	120.1	124.9
92.5°	0.0	32.0	80.1	110.5	115.3
95°	0.0	27.2	73.6	100.9	105.7
97.5°	0.0	25.6	65.6	92.9	97.7
100°	0.0	22.4	59.2	84.9	91.3
102.5°	0.0	20.8	54.4	76.9	83.3
105°	0.0	19.2	49.6	70.4	76.9
107.5°	0.0	17.6	46.4	65.6	70.4
110°	0.0	17.6	41.6	60.8	65.6
112.5°	1.6	16.0	38.4	54.4	59.2
115°	1.6	16.0	35.2	51.2	54.4
117.5°	1.6	16.0	33.6	46.4	49.6
120°	1.6	14.4	32.0	43.2	46.4
122.5°	1.6	14.4	30.4	40.0	41.6
125°	1.6	12.8	28.8	36.8	40.0
127.5°	1.6	12.8	27.2	35.2	36.8
130°	1.6	12.8	25.6	32.0	35.2
132.5°	1.6	11.2	24.0	30.4	32.0
135°	1.6	11.2	22.4	28.8	30.4
137.5°	1.6	9.6	20.8	27.2	28.8
140°	1.6	9.6	19.2	25.6	27.2
142.5°	1.6	8.0	17.6	24.0	25.6
145°	1.6	8.0	16.0	22.4	24.0
147.5°	1.6	8.0	14.4	20.8	22.4
150°	1.6	6.4	12.8	19.2	20.8
152.5°	1.6	6.4	11.2	17.6	19.2
155°	1.6	6.4	11.2	16.0	17.6
157.5°	1.6	4.8	9.6	12.8	16.0
160°	1.6	4.8	8.0	11.2	14.4
162.5°	1.6	4.8	8.0	9.6	11.2
165°	1.6	3.2	6.4	8.0	9.6
167.5°	1.6	3.2	4.8	6.4	8.0
170°	1.6	3.2	4.8	4.8	6.4
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)