

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: P566142

Luminaire Tested: **4SNX-22SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-22SL-LC-UNV-L830-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

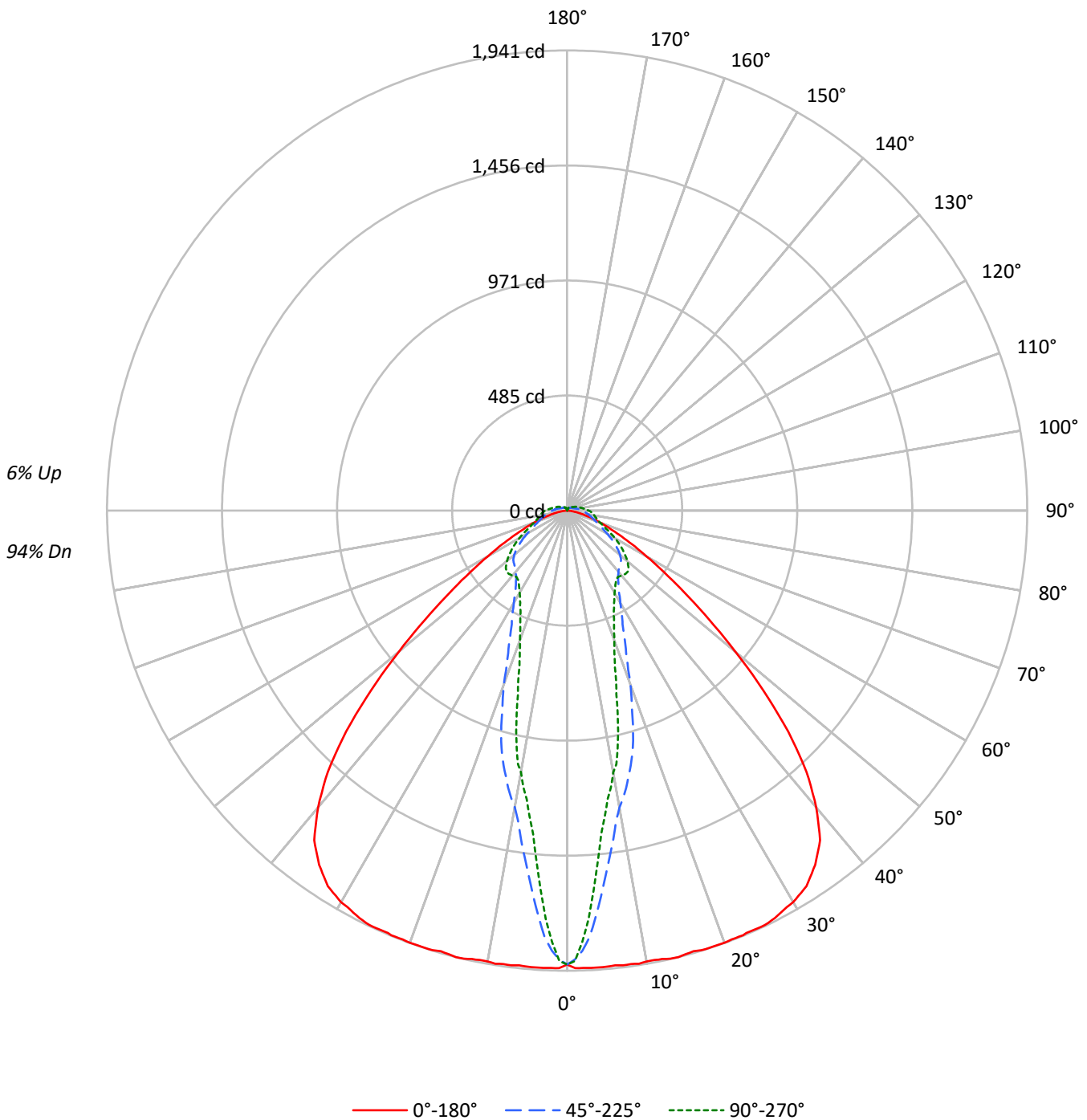
Lumens per Lamp: N/A
Luminaire Lumens: 2360.0 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 13.8
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20608	20608	20608
5°	20794	16927	15151
10°	20957	12778	10966
15°	21339	10445	7593
20°	21889	7558	5362
25°	22572	5415	4218
30°	23149	4326	3593
35°	23286	3659	3218
40°	22200	3326	3226
45°	19265	3214	3314
50°	14779	3057	3092
55°	10711	2673	2744
60°	7770	2231	2320
65°	5656	1886	1902
70°	4168	1666	1640
75°	2959	1542	1529
80°	1940	1445	1505
85°	912	1377	1507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	6.4
10°-20°	327.0	13.9
20°-30°	374.2	15.9
30°-40°	374.9	15.9
40°-50°	354.9	15.0
50°-60°	272.2	11.5
60°-70°	175.4	7.4
70°-80°	111.9	4.7
80°-90°	74.3	3.1
90°-100°	49.9	2.1
100°-110°	32.9	1.4
110°-120°	22.9	1.0
120°-130°	16.0	0.7
130°-140°	11.1	0.5
140°-150°	6.8	0.3
150°-160°	3.4	0.1
160°-170°	1.3	0.1
170°-180°	0.3	0.0
0°-30°	851.8	36.1
0°-40°	1226.7	52.0
0°-60°	1853.8	78.6
0°-90°	2215.4	93.9
90°-120°	105.7	4.5
90°-150°	139.6	5.9
90°-180°	145.0	6.1
0°-180°	2360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1914	1914	1914	1914	1914	
5°	1932	1825	1635	1525	1484	184
15°	1936	1394	1063	873	803	549
25°	1938	987	562	489	466	893
35°	1824	549	376	364	359	1132
45°	1318	347	317	351	363	1002
55°	605	248	244	274	285	556
65°	242	156	154	175	181	249
75°	82	85	106	122	128	90
85°	11	39	75	98	105	15
90°	0	27	63	87	91	0
95°	0	19	52	71	75	0
105°	0	14	34	48	52	1
115°	1	12	25	35	38	1
125°	1	11	22	25	27	1
135°	1	8	17	21	22	1
145°	1	6	12	16	17	1
155°	1	4	7	11	12	1
165°	2	2	5	6	7	1
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1914.5	1914.5	1914.5	1914.5	1914.5
1°	1930.3	1919.4	1894.0	1901.2	1900.0
2°	1930.3	1907.3	1857.7	1843.2	1821.4
3°	1931.5	1886.7	1802.1	1754.9	1724.7
4°	1931.5	1856.5	1719.8	1641.2	1602.5
5°	1931.5	1825.0	1635.2	1525.1	1484.0
6°	1929.1	1787.6	1549.3	1433.2	1371.5
7°	1932.7	1746.4	1471.9	1347.3	1298.9
8°	1931.5	1698.1	1400.5	1282.0	1228.8
9°	1935.1	1650.9	1323.1	1220.3	1180.4
10°	1931.5	1607.3	1272.3	1162.3	1121.2
11°	1931.5	1565.0	1236.0	1124.8	1089.7
12°	1933.9	1516.6	1196.1	1071.6	1023.2
13°	1939.9	1467.1	1150.2	1013.5	956.7
14°	1941.2	1429.6	1107.8	939.7	880.5
15°	1936.3	1394.5	1063.1	873.2	803.1
16°	1933.9	1358.2	1009.9	810.3	747.4
17°	1938.7	1315.9	949.4	746.2	688.2
18°	1939.9	1277.2	885.3	697.8	647.1
19°	1939.9	1246.9	833.3	653.1	609.6
20°	1939.9	1217.9	780.1	619.2	581.7
21°	1937.5	1181.6	719.6	584.2	552.7
22.5°	1938.7	1113.9	650.7	543.0	517.6
23°	1935.1	1097.0	633.7	532.2	505.5
24°	1936.3	1048.6	597.5	510.4	485.0
25°	1937.5	986.9	562.4	488.6	465.6
26°	1935.1	937.3	533.4	468.1	452.3
27°	1929.1	897.4	512.8	451.1	436.6
28°	1920.6	844.2	491.0	436.6	423.3
29°	1912.1	783.7	469.3	420.9	411.2
30°	1907.3	735.3	448.7	408.8	400.3
32.5°	1878.3	639.8	406.4	384.6	377.3
35°	1823.8	549.1	376.1	364.0	359.2
37.5°	1752.5	478.9	353.2	350.7	351.9
40°	1635.2	423.3	336.2	347.1	358.0
42.5°	1494.9	379.8	324.1	350.7	362.8
45°	1318.3	347.1	316.9	350.7	362.8
47.5°	1122.4	320.5	308.4	338.6	350.7
50°	926.4	296.3	291.5	320.5	331.4
52.5°	753.5	273.3	269.7	297.5	308.4
55°	604.7	247.9	244.3	274.5	285.4
57.5°	485.0	223.7	220.1	247.9	258.8
60°	387.0	199.6	193.5	221.3	232.2
62.5°	308.4	176.6	173.0	197.1	206.8
65°	241.9	156.0	153.6	175.4	181.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	191.1	136.7	137.9	156.0	163.3
70°	147.6	118.5	125.8	142.7	147.6
72.5°	111.3	100.4	116.1	130.6	136.7
75°	82.2	84.7	106.4	122.2	128.2
77.5°	56.8	70.1	98.0	114.9	120.9
80°	38.7	56.8	89.5	108.8	116.1
82.5°	23.0	47.2	82.2	102.8	111.3
85°	10.9	38.7	75.0	98.0	105.2
87.5°	3.6	31.4	67.7	93.1	99.2
90°	0.0	26.6	62.9	87.1	90.7
92.5°	0.0	23.0	56.8	79.8	82.2
95°	0.0	19.4	52.0	71.4	75.0
97.5°	0.0	18.1	48.4	64.1	68.9
100°	0.0	16.9	43.5	58.1	62.9
102.5°	0.0	14.5	38.7	52.0	56.8
105°	0.0	14.5	33.9	48.4	52.0
107.5°	1.2	13.3	31.4	43.5	48.4
110°	1.2	13.3	27.8	41.1	44.7
112.5°	1.2	13.3	26.6	37.5	42.3
115°	1.2	12.1	25.4	35.1	37.5
117.5°	1.2	12.1	24.2	31.4	33.9
120°	1.2	10.9	23.0	29.0	30.2
122.5°	1.2	10.9	21.8	26.6	27.8
125°	1.2	10.9	21.8	25.4	26.6
127.5°	1.2	9.7	20.6	24.2	24.2
130°	1.2	9.7	19.4	23.0	23.0
132.5°	1.2	8.5	18.1	21.8	23.0
135°	1.2	8.5	16.9	20.6	21.8
137.5°	1.2	7.3	15.7	19.4	20.6
140°	1.2	7.3	14.5	18.1	19.4
142.5°	1.2	6.0	13.3	16.9	18.1
145°	1.2	6.0	12.1	15.7	16.9
147.5°	1.2	6.0	10.9	14.5	15.7
150°	1.2	4.8	9.7	13.3	14.5
152.5°	1.2	4.8	8.5	12.1	13.3
155°	1.2	3.6	7.3	10.9	12.1
157.5°	1.2	3.6	7.3	9.7	10.9
160°	2.4	3.6	6.0	8.5	9.7
162.5°	1.2	2.4	6.0	7.3	8.5
165°	2.4	2.4	4.8	6.0	7.3
167.5°	2.4	2.4	3.6	4.8	6.0
170°	2.4	2.4	3.6	3.6	4.8
172.5°	2.4	2.4	2.4	3.6	2.4
175°	2.4	2.4	2.4	2.4	1.2
177.5°	2.4	2.4	2.4	2.4	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)