

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: P565506

Luminaire Tested: **2SNX-19SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565506  
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: 2SNX-19SL-LC-UNV-L830-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

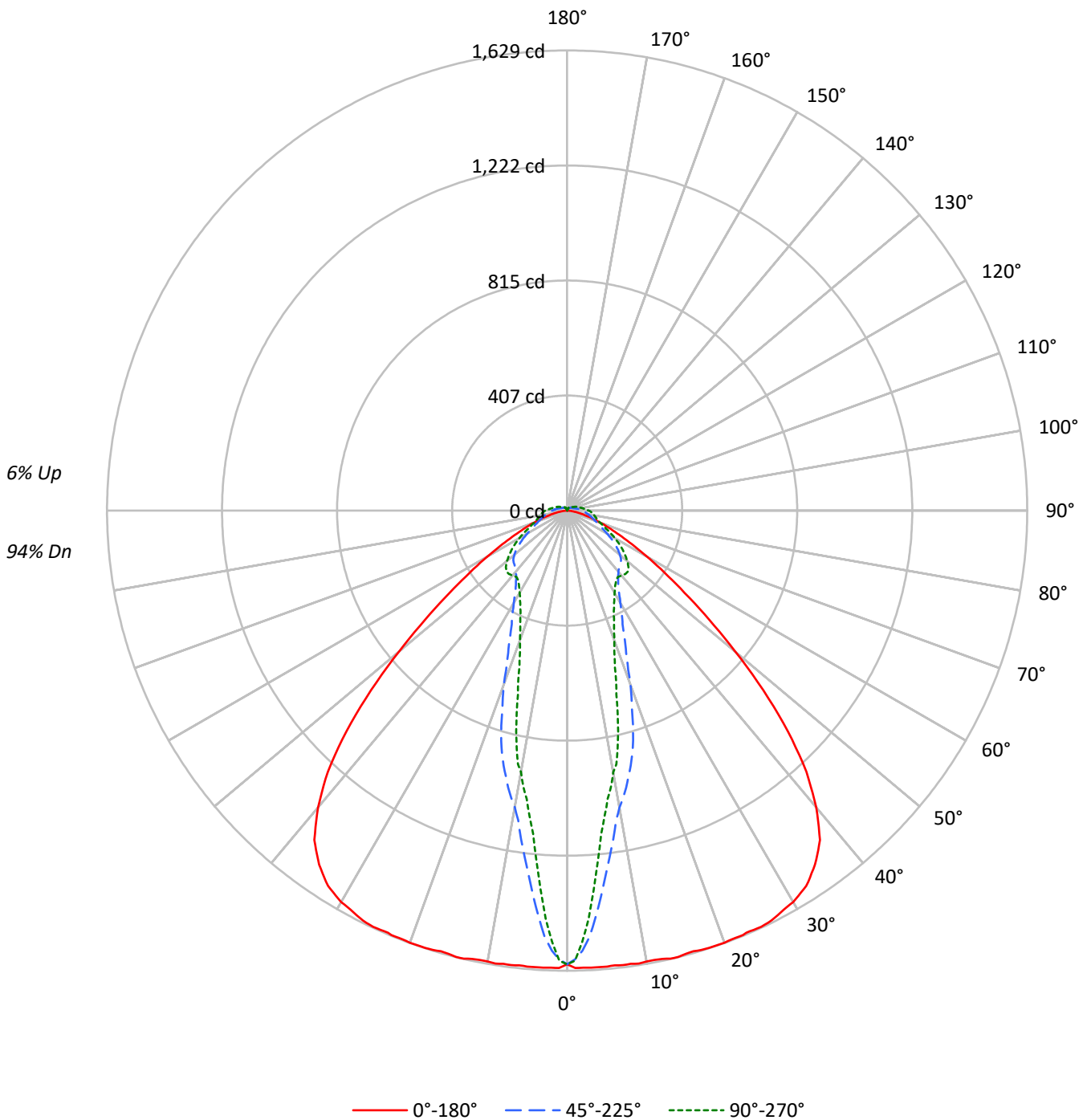
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1980.0 lumens  
Efficiency: N/A  
Efficacy: 165.0 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 12  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	34580	34580	34580
5°	34766	28332	25422
10°	34911	21340	18399
15°	35415	17405	12741
20°	36190	12568	8999
25°	37169	8985	7080
30°	37952	7165	6029
35°	37997	6048	5400
40°	36034	5486	5414
45°	31082	5290	5560
50°	23681	5017	5188
55°	17019	4378	4605
60°	12217	3644	3892
65°	8769	3072	3191
70°	6341	2703	2752
75°	4378	2493	2566
80°	2736	2323	2526
85°	1151	2200	2530



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.3	6.4
10°-20°	274.3	13.9
20°-30°	314.0	15.9
30°-40°	314.6	15.9
40°-50°	297.8	15.0
50°-60°	228.4	11.5
60°-70°	147.2	7.4
70°-80°	93.9	4.7
80°-90°	62.3	3.1
90°-100°	41.9	2.1
100°-110°	27.6	1.4
110°-120°	19.2	1.0
120°-130°	13.4	0.7
130°-140°	9.3	0.5
140°-150°	5.7	0.3
150°-160°	2.9	0.1
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	714.6	36.1
0°-40°	1029.2	52.0
0°-60°	1555.3	78.6
0°-90°	1858.7	93.9
90°-120°	88.7	4.5
90°-150°	117.1	5.9
90°-180°	121.0	6.1
0°-180°	1980.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1620	1531	1372	1280	1245	155
15°	1624	1170	892	733	674	461
25°	1626	828	472	410	391	749
35°	1530	461	316	305	301	949
45°	1106	291	266	294	304	841
55°	507	208	205	230	240	467
65°	203	131	129	147	152	209
75°	69	71	89	102	108	76
85°	9	32	63	82	88	13
90°	0	22	53	73	76	0
95°	0	16	44	60	63	0
105°	0	12	28	41	44	1
115°	1	10	21	29	32	1
125°	1	9	18	21	22	1
135°	1	7	14	17	18	1
145°	1	5	10	13	14	1
155°	1	3	6	9	10	1
165°	2	2	4	5	6	0
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°	1606.3	1606.3	1606.3	1606.3	1606.3
1°	1619.5	1610.3	1589.0	1595.1	1594.1
2°	1619.5	1600.2	1558.6	1546.4	1528.1
3°	1620.5	1582.9	1511.9	1472.3	1447.0
4°	1620.5	1557.6	1442.9	1376.9	1344.5
5°	1620.5	1531.2	1371.9	1279.5	1245.0
6°	1618.4	1499.7	1299.8	1202.4	1150.7
7°	1621.5	1465.2	1234.9	1130.4	1089.8
8°	1620.5	1424.6	1175.0	1075.6	1030.9
9°	1623.5	1385.1	1110.1	1023.8	990.3
10°	1620.5	1348.5	1067.5	975.1	940.6
11°	1620.5	1313.0	1037.0	943.7	914.2
12°	1622.5	1272.4	1003.5	899.0	858.4
13°	1627.6	1230.8	965.0	850.3	802.6
14°	1628.6	1199.4	929.5	788.4	738.7
15°	1624.5	1170.0	891.9	732.6	673.8
16°	1622.5	1139.5	847.3	679.8	627.1
17°	1626.6	1104.0	796.5	626.1	577.4
18°	1627.6	1071.5	742.8	585.5	542.9
19°	1627.6	1046.2	699.1	547.9	511.4
20°	1627.6	1021.8	654.5	519.5	488.1
21°	1625.6	991.4	603.7	490.1	463.7
22.5°	1626.6	934.5	545.9	455.6	434.3
23°	1623.5	920.3	531.7	446.5	424.1
24°	1624.5	879.7	501.3	428.2	406.9
25°	1625.6	828.0	471.8	409.9	390.7
26°	1623.5	786.4	447.5	392.7	379.5
27°	1618.4	752.9	430.2	378.5	366.3
28°	1611.3	708.3	412.0	366.3	355.1
29°	1604.2	657.5	393.7	353.1	345.0
30°	1600.2	616.9	376.5	343.0	335.9
32.5°	1575.8	536.8	340.9	322.7	316.6
35°	1530.2	460.7	315.6	305.4	301.4
37.5°	1470.3	401.8	296.3	294.3	295.3
40°	1371.9	355.1	282.1	291.2	300.4
42.5°	1254.2	318.6	271.9	294.3	304.4
45°	1106.0	291.2	265.9	294.3	304.4
47.5°	941.6	268.9	258.7	284.1	294.3
50°	777.3	248.6	244.5	268.9	278.0
52.5°	632.2	229.3	226.3	249.6	258.7
55°	507.4	208.0	205.0	230.3	239.5
57.5°	406.9	187.7	184.7	208.0	217.1
60°	324.7	167.4	162.4	185.7	194.8
62.5°	258.7	148.1	145.1	165.4	173.5
65°	202.9	130.9	128.9	147.1	152.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	160.3	114.7	115.7	130.9	137.0
70°	123.8	99.4	105.5	119.7	123.8
72.5°	93.4	84.2	97.4	109.6	114.7
75°	69.0	71.0	89.3	102.5	107.6
77.5°	47.7	58.9	82.2	96.4	101.5
80°	32.5	47.7	75.1	91.3	97.4
82.5°	19.3	39.6	69.0	86.2	93.4
85°	9.1	32.5	62.9	82.2	88.3
87.5°	3.0	26.4	56.8	78.1	83.2
90°	0.0	22.3	52.8	73.1	76.1
92.5°	0.0	19.3	47.7	67.0	69.0
95°	0.0	16.2	43.6	59.9	62.9
97.5°	0.0	15.2	40.6	53.8	57.8
100°	0.0	14.2	36.5	48.7	52.8
102.5°	0.0	12.2	32.5	43.6	47.7
105°	0.0	12.2	28.4	40.6	43.6
107.5°	1.0	11.2	26.4	36.5	40.6
110°	1.0	11.2	23.3	34.5	37.5
112.5°	1.0	11.2	22.3	31.5	35.5
115°	1.0	10.1	21.3	29.4	31.5
117.5°	1.0	10.1	20.3	26.4	28.4
120°	1.0	9.1	19.3	24.4	25.4
122.5°	1.0	9.1	18.3	22.3	23.3
125°	1.0	9.1	18.3	21.3	22.3
127.5°	1.0	8.1	17.2	20.3	20.3
130°	1.0	8.1	16.2	19.3	19.3
132.5°	1.0	7.1	15.2	18.3	19.3
135°	1.0	7.1	14.2	17.2	18.3
137.5°	1.0	6.1	13.2	16.2	17.2
140°	1.0	6.1	12.2	15.2	16.2
142.5°	1.0	5.1	11.2	14.2	15.2
145°	1.0	5.1	10.1	13.2	14.2
147.5°	1.0	5.1	9.1	12.2	13.2
150°	1.0	4.1	8.1	11.2	12.2
152.5°	1.0	4.1	7.1	10.1	11.2
155°	1.0	3.0	6.1	9.1	10.1
157.5°	1.0	3.0	6.1	8.1	9.1
160°	2.0	3.0	5.1	7.1	8.1
162.5°	1.0	2.0	5.1	6.1	7.1
165°	2.0	2.0	4.1	5.1	6.1
167.5°	2.0	2.0	3.0	4.1	5.1
170°	2.0	2.0	3.0	3.0	4.1
172.5°	2.0	2.0	2.0	3.0	2.0
175°	2.0	2.0	2.0	2.0	1.0
177.5°	2.0	2.0	2.0	2.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)