

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: P565509

Luminaire Tested: **2SNX-19SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565509  
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-L850-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

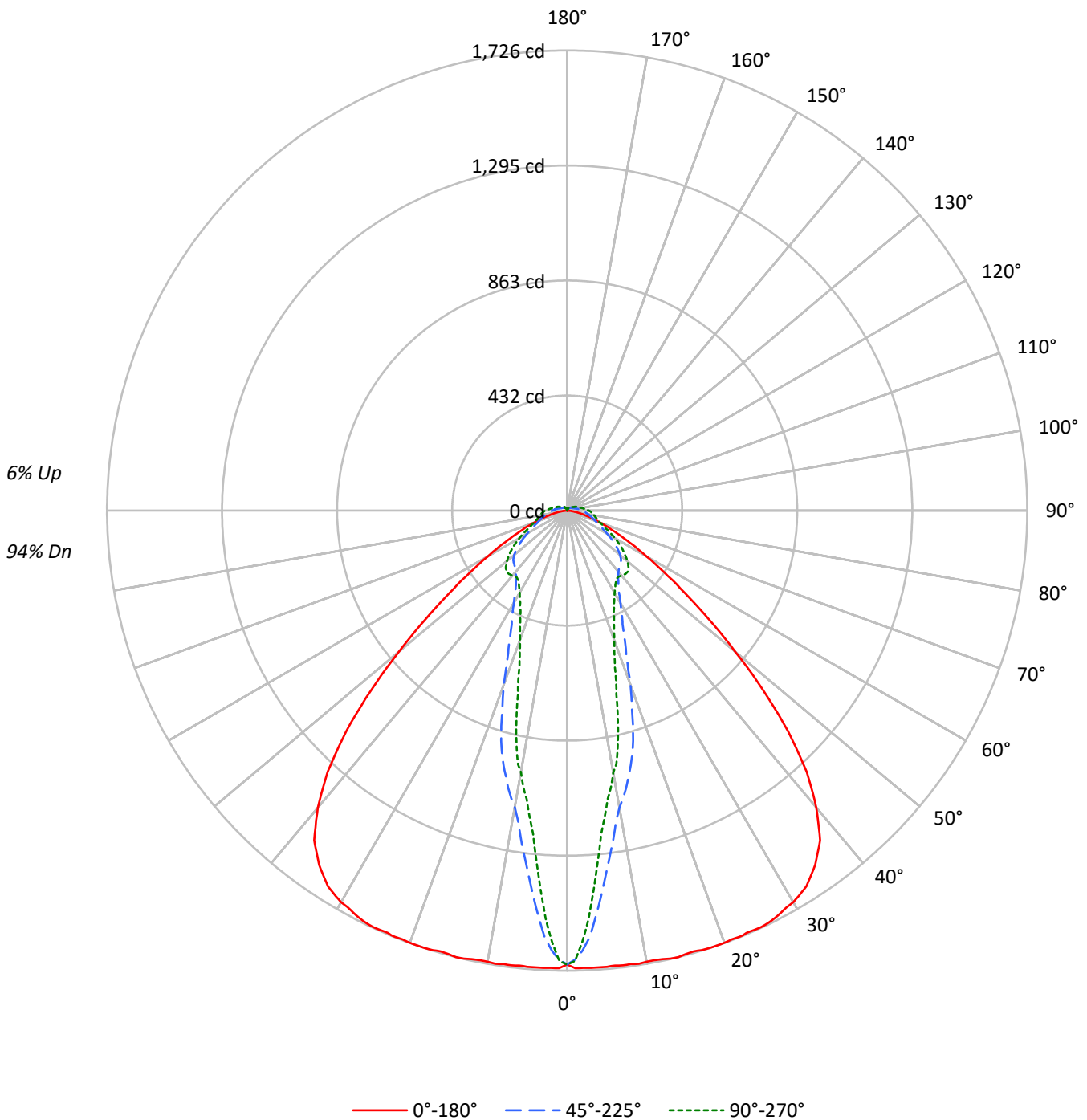
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2099.0 lumens  
Efficiency: N/A  
Efficacy: 174.9 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 (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°	36658	36658	36658
5°	36855	30034	26951
10°	37009	22621	19506
15°	37545	18451	13507
20°	38364	13323	9539
25°	39401	9526	7504
30°	40234	7595	6392
35°	40279	6410	5724
40°	38199	5815	5738
45°	32951	5606	5895
50°	25104	5319	5500
55°	18038	4641	4882
60°	12950	3862	4126
65°	9296	3256	3384
70°	6720	2867	2916
75°	4638	2644	2718
80°	2896	2462	2679
85°	1227	2333	2682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.9	6.4
10°-20°	290.8	13.9
20°-30°	332.9	15.9
30°-40°	333.5	15.9
40°-50°	315.6	15.0
50°-60°	242.1	11.5
60°-70°	156.0	7.4
70°-80°	99.5	4.7
80°-90°	66.1	3.1
90°-100°	44.4	2.1
100°-110°	29.3	1.4
110°-120°	20.4	1.0
120°-130°	14.2	0.7
130°-140°	9.9	0.5
140°-150°	6.0	0.3
150°-160°	3.1	0.1
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	757.6	36.1
0°-40°	1091.0	52.0
0°-60°	1648.8	78.5
0°-90°	1970.4	93.9
90°-120°	94.0	4.5
90°-150°	124.2	5.9
90°-180°	129.0	6.1
0°-180°	2099.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1703	1703	1703	1703	1703	
5°	1718	1623	1454	1356	1320	164
15°	1722	1240	946	777	714	488
25°	1723	878	500	435	414	794
35°	1622	488	334	324	320	1006
45°	1172	309	282	312	323	891
55°	538	220	217	244	254	495
65°	215	139	137	156	161	221
75°	73	75	95	109	114	80
85°	10	34	67	87	94	13
90°	0	24	56	77	81	0
95°	0	17	46	64	67	0
105°	0	13	30	43	46	1
115°	1	11	23	31	33	1
125°	1	10	19	23	24	1
135°	1	8	15	18	19	1
145°	1	5	11	14	15	1
155°	1	3	6	10	11	1
165°	2	2	4	5	6	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°	1702.8	1702.8	1702.8	1702.8	1702.8
1°	1716.8	1707.1	1684.5	1691.0	1689.9
2°	1716.8	1696.4	1652.3	1639.3	1620.0
3°	1717.9	1678.1	1602.8	1560.8	1533.9
4°	1717.9	1651.2	1529.6	1459.7	1425.3
5°	1717.9	1623.2	1454.3	1356.4	1319.9
6°	1715.7	1589.9	1378.0	1274.7	1219.8
7°	1718.9	1553.3	1309.1	1198.3	1155.3
8°	1717.9	1510.3	1245.6	1140.2	1092.9
9°	1721.1	1468.3	1176.8	1085.4	1049.9
10°	1717.9	1429.6	1131.6	1033.7	997.2
11°	1717.9	1391.9	1099.4	1000.4	969.2
12°	1720.0	1348.9	1063.9	953.1	910.0
13°	1725.4	1304.8	1023.0	901.4	850.9
14°	1726.5	1271.5	985.3	835.8	783.1
15°	1722.2	1240.3	945.5	776.6	714.3
16°	1720.0	1208.0	898.2	720.7	664.8
17°	1724.3	1170.3	844.4	663.7	612.1
18°	1725.4	1135.9	787.4	620.7	575.5
19°	1725.4	1109.0	741.1	580.9	542.1
20°	1725.4	1083.2	693.8	550.8	517.4
21°	1723.2	1050.9	640.0	519.6	491.6
22.5°	1724.3	990.7	578.7	483.0	460.4
23°	1721.1	975.6	563.7	473.3	449.6
24°	1722.2	932.6	531.4	453.9	431.4
25°	1723.2	877.8	500.2	434.6	414.1
26°	1721.1	833.7	474.4	416.3	402.3
27°	1715.7	798.2	456.1	401.2	388.3
28°	1708.2	750.8	436.7	388.3	376.5
29°	1700.7	697.0	417.4	374.3	365.7
30°	1696.4	654.0	399.1	363.6	356.1
32.5°	1670.5	569.0	361.4	342.1	335.6
35°	1622.1	488.4	334.5	323.8	319.5
37.5°	1558.7	426.0	314.1	311.9	313.0
40°	1454.3	376.5	299.0	308.7	318.4
42.5°	1329.5	337.8	288.3	311.9	322.7
45°	1172.5	308.7	281.8	311.9	322.7
47.5°	998.2	285.1	274.3	301.2	311.9
50°	824.0	263.5	259.2	285.1	294.7
52.5°	670.2	243.1	239.9	264.6	274.3
55°	537.8	220.5	217.3	244.2	253.9
57.5°	431.4	199.0	195.8	220.5	230.2
60°	344.2	177.5	172.1	196.9	206.5
62.5°	274.3	157.1	153.8	175.3	183.9
65°	215.1	138.8	136.6	156.0	161.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	170.0	121.6	122.6	138.8	145.2
70°	131.2	105.4	111.9	126.9	131.2
72.5°	99.0	89.3	103.3	116.2	121.6
75°	73.1	75.3	94.7	108.6	114.0
77.5°	50.6	62.4	87.1	102.2	107.6
80°	34.4	50.6	79.6	96.8	103.3
82.5°	20.4	42.0	73.1	91.4	99.0
85°	9.7	34.4	66.7	87.1	93.6
87.5°	3.2	28.0	60.2	82.8	88.2
90°	0.0	23.7	55.9	77.4	80.7
92.5°	0.0	20.4	50.6	71.0	73.1
95°	0.0	17.2	46.3	63.5	66.7
97.5°	0.0	16.1	43.0	57.0	61.3
100°	0.0	15.1	38.7	51.6	55.9
102.5°	0.0	12.9	34.4	46.3	50.6
105°	0.0	12.9	30.1	43.0	46.3
107.5°	1.1	11.8	28.0	38.7	43.0
110°	1.1	11.8	24.7	36.6	39.8
112.5°	1.1	11.8	23.7	33.3	37.6
115°	1.1	10.8	22.6	31.2	33.3
117.5°	1.1	10.8	21.5	28.0	30.1
120°	1.1	9.7	20.4	25.8	26.9
122.5°	1.1	9.7	19.4	23.7	24.7
125°	1.1	9.7	19.4	22.6	23.7
127.5°	1.1	8.6	18.3	21.5	21.5
130°	1.1	8.6	17.2	20.4	20.4
132.5°	1.1	7.5	16.1	19.4	20.4
135°	1.1	7.5	15.1	18.3	19.4
137.5°	1.1	6.5	14.0	17.2	18.3
140°	1.1	6.5	12.9	16.1	17.2
142.5°	1.1	5.4	11.8	15.1	16.1
145°	1.1	5.4	10.8	14.0	15.1
147.5°	1.1	5.4	9.7	12.9	14.0
150°	1.1	4.3	8.6	11.8	12.9
152.5°	1.1	4.3	7.5	10.8	11.8
155°	1.1	3.2	6.5	9.7	10.8
157.5°	1.1	3.2	6.5	8.6	9.7
160°	2.2	3.2	5.4	7.5	8.6
162.5°	1.1	2.2	5.4	6.5	7.5
165°	2.2	2.2	4.3	5.4	6.5
167.5°	2.2	2.2	3.2	4.3	5.4
170°	2.2	2.2	3.2	3.2	4.3
172.5°	2.2	2.2	2.2	3.2	2.2
175°	2.2	2.2	2.2	2.2	1.1
177.5°	2.2	2.2	2.2	2.2	1.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)