

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: P565512

Luminaire Tested: **2SNX-19SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565512
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-L940-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

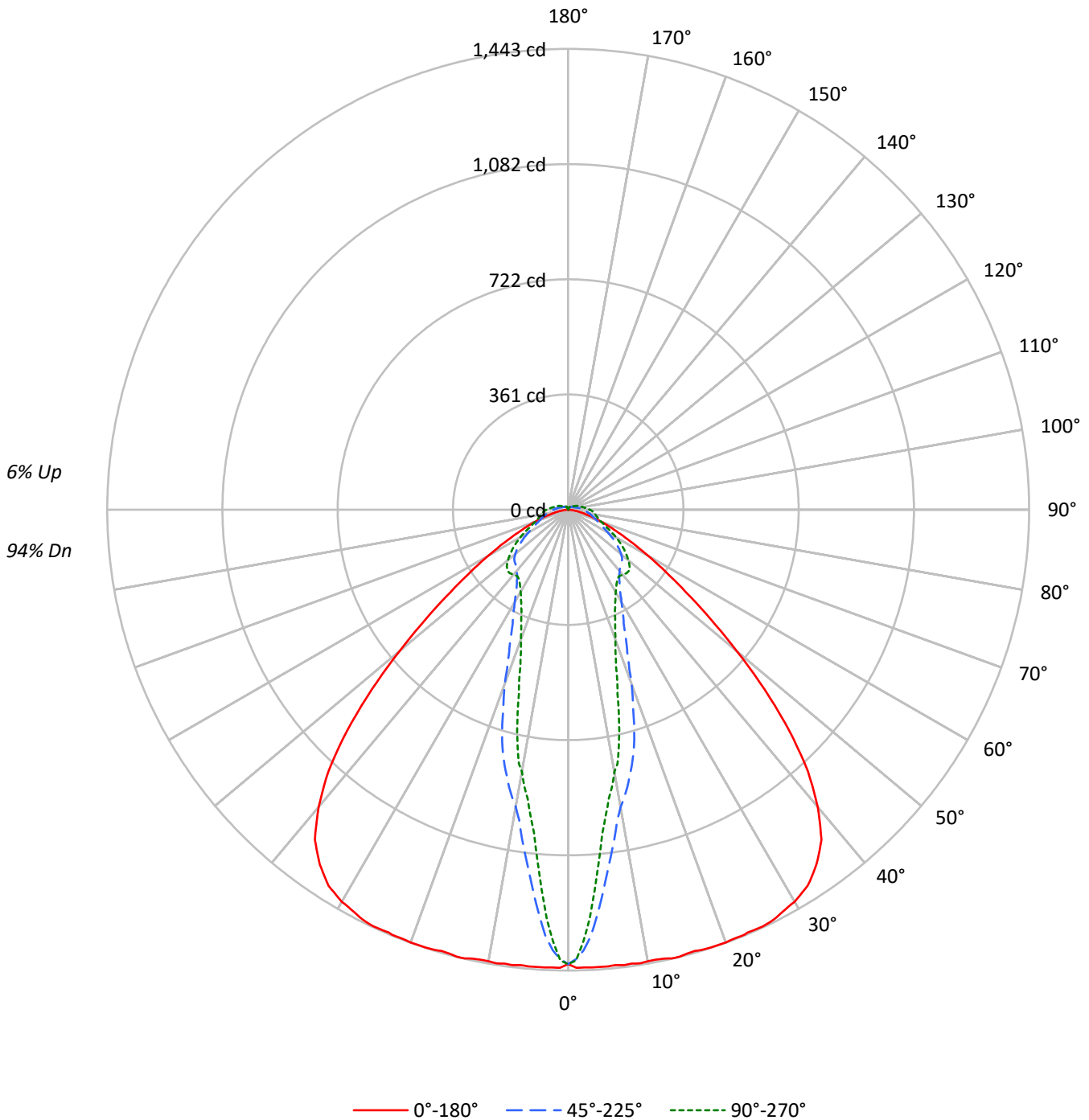
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1754.1 lumens
Efficiency: N/A
Efficacy: 146.2 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°	30632	30632	30632
5°	30797	25098	22520
10°	30926	18903	16300
15°	31373	15418	11287
20°	32058	11134	7972
25°	32925	7960	6271
30°	33619	6347	5340
35°	33659	5358	4784
40°	31921	4860	4795
45°	27535	4685	4927
50°	20976	4445	4597
55°	15073	3878	4078
60°	10821	3227	3449
65°	7770	2722	2826
70°	5618	2395	2438
75°	3876	2208	2273
80°	2425	2057	2238
85°	1025	1948	2241



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	6.4
10°-20°	243.0	13.9
20°-30°	278.1	15.9
30°-40°	278.7	15.9
40°-50°	263.8	15.0
50°-60°	202.3	11.5
60°-70°	130.4	7.4
70°-80°	83.2	4.7
80°-90°	55.2	3.1
90°-100°	37.1	2.1
100°-110°	24.5	1.4
110°-120°	17.0	1.0
120°-130°	11.9	0.7
130°-140°	8.3	0.5
140°-150°	5.0	0.3
150°-160°	2.6	0.1
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	633.1	36.1
0°-40°	911.7	52.0
0°-60°	1377.8	78.5
0°-90°	1646.5	93.9
90°-120°	78.6	4.5
90°-150°	103.8	5.9
90°-180°	108.0	6.2
0°-180°	1754.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1423	1423	1423	1423	1423	
5°	1436	1356	1215	1134	1103	137
15°	1439	1036	790	649	597	408
25°	1440	734	418	363	346	664
35°	1356	408	280	271	267	841
45°	980	258	236	261	270	745
55°	449	184	182	204	212	413
65°	180	116	114	130	135	185
75°	61	63	79	91	95	67
85°	8	29	56	73	78	11
90°	0	20	47	65	67	0
95°	0	14	39	53	56	0
105°	0	11	25	36	39	1
115°	1	9	19	26	28	1
125°	1	8	16	19	20	1
135°	1	6	13	15	16	1
145°	1	4	9	12	13	1
155°	1	3	5	8	9	0
165°	2	2	4	4	5	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 2SNX-19SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1422.9	1422.9	1422.9	1422.9	1422.9
1°	1434.6	1426.5	1407.6	1413.0	1412.1
2°	1434.6	1417.5	1380.7	1369.9	1353.7
3°	1435.5	1402.3	1339.3	1304.3	1281.8
4°	1435.5	1379.8	1278.2	1219.8	1191.0
5°	1435.5	1356.4	1215.3	1133.5	1102.9
6°	1433.7	1328.5	1151.5	1065.2	1019.3
7°	1436.4	1298.0	1093.9	1001.4	965.4
8°	1435.5	1262.0	1040.9	952.8	913.3
9°	1438.2	1227.0	983.4	907.0	877.3
10°	1435.5	1194.6	945.6	863.8	833.3
11°	1435.5	1163.2	918.7	836.0	809.9
12°	1437.3	1127.2	889.0	796.4	760.5
13°	1441.8	1090.3	854.8	753.3	711.0
14°	1442.7	1062.5	823.4	698.4	654.4
15°	1439.1	1036.4	790.1	649.0	596.9
16°	1437.3	1009.4	750.6	602.3	555.5
17°	1440.9	978.0	705.6	554.6	511.5
18°	1441.8	949.2	658.0	518.7	480.9
19°	1441.8	926.7	619.3	485.4	453.0
20°	1441.8	905.2	579.8	460.2	432.4
21°	1440.0	878.2	534.8	434.2	410.8
22.5°	1440.9	827.9	483.6	403.6	384.7
23°	1438.2	815.3	471.0	395.5	375.7
24°	1439.1	779.3	444.0	379.3	360.5
25°	1440.0	733.5	418.0	363.1	346.1
26°	1438.2	696.6	396.4	347.9	336.2
27°	1433.7	667.0	381.1	335.3	324.5
28°	1427.4	627.4	364.9	324.5	314.6
29°	1421.1	582.5	348.8	312.8	305.6
30°	1417.5	546.5	333.5	303.8	297.5
32.5°	1396.0	475.5	302.0	285.8	280.5
35°	1355.5	408.1	279.6	270.6	267.0
37.5°	1302.5	356.0	262.5	260.7	261.6
40°	1215.3	314.6	249.9	258.0	266.1
42.5°	1111.0	282.2	240.9	260.7	269.7
45°	979.8	258.0	235.5	260.7	269.7
47.5°	834.2	238.2	229.2	251.7	260.7
50°	688.5	220.2	216.6	238.2	246.3
52.5°	560.0	203.1	200.5	221.1	229.2
55°	449.4	184.3	181.6	204.0	212.1
57.5°	360.5	166.3	163.6	184.3	192.4
60°	287.6	148.3	143.8	164.5	172.6
62.5°	229.2	131.2	128.5	146.5	153.7
65°	179.8	116.0	114.2	130.3	134.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	142.0	101.6	102.5	116.0	121.3
70°	109.7	88.1	93.5	106.1	109.7
72.5°	82.7	74.6	86.3	97.1	101.6
75°	61.1	62.9	79.1	90.8	95.3
77.5°	42.2	52.1	72.8	85.4	89.9
80°	28.8	42.2	66.5	80.9	86.3
82.5°	17.1	35.1	61.1	76.4	82.7
85°	8.1	28.8	55.7	72.8	78.2
87.5°	2.7	23.4	50.3	69.2	73.7
90°	0.0	19.8	46.7	64.7	67.4
92.5°	0.0	17.1	42.2	59.3	61.1
95°	0.0	14.4	38.7	53.0	55.7
97.5°	0.0	13.5	36.0	47.6	51.2
100°	0.0	12.6	32.4	43.1	46.7
102.5°	0.0	10.8	28.8	38.7	42.2
105°	0.0	10.8	25.2	36.0	38.7
107.5°	0.9	9.9	23.4	32.4	36.0
110°	0.9	9.9	20.7	30.6	33.3
112.5°	0.9	9.9	19.8	27.9	31.5
115°	0.9	9.0	18.9	26.1	27.9
117.5°	0.9	9.0	18.0	23.4	25.2
120°	0.9	8.1	17.1	21.6	22.5
122.5°	0.9	8.1	16.2	19.8	20.7
125°	0.9	8.1	16.2	18.9	19.8
127.5°	0.9	7.2	15.3	18.0	18.0
130°	0.9	7.2	14.4	17.1	17.1
132.5°	0.9	6.3	13.5	16.2	17.1
135°	0.9	6.3	12.6	15.3	16.2
137.5°	0.9	5.4	11.7	14.4	15.3
140°	0.9	5.4	10.8	13.5	14.4
142.5°	0.9	4.5	9.9	12.6	13.5
145°	0.9	4.5	9.0	11.7	12.6
147.5°	0.9	4.5	8.1	10.8	11.7
150°	0.9	3.6	7.2	9.9	10.8
152.5°	0.9	3.6	6.3	9.0	9.9
155°	0.9	2.7	5.4	8.1	9.0
157.5°	0.9	2.7	5.4	7.2	8.1
160°	1.8	2.7	4.5	6.3	7.2
162.5°	0.9	1.8	4.5	5.4	6.3
165°	1.8	1.8	3.6	4.5	5.4
167.5°	1.8	1.8	2.7	3.6	4.5
170°	1.8	1.8	2.7	2.7	3.6
172.5°	1.8	1.8	1.8	2.7	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	1.8	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)