

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: P565510

Luminaire Tested: **2SNX-19SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565510
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-L930-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

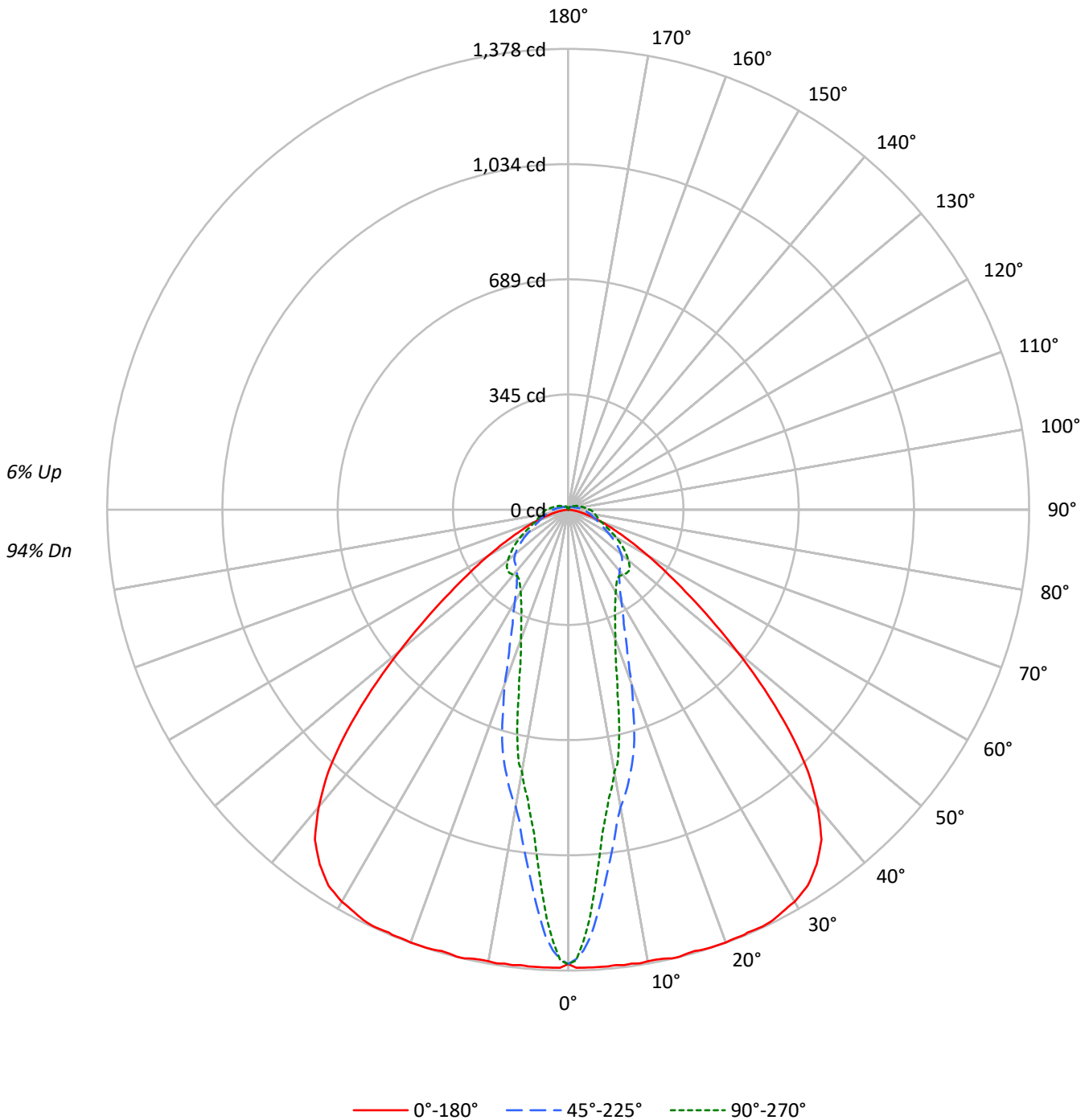
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 139.6 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

TEST NUMBER: P565510
CATALOG NUMBER: 2SNX-19SL-LC-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565510

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L930-CD

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°	29252	29252	29252
5°	29411	23969	21507
10°	29534	18051	15564
15°	29960	14723	10778
20°	30615	10633	7612
25°	31444	7602	5989
30°	32106	6061	5099
35°	32145	5117	4567
40°	30484	4640	4579
45°	26296	4474	4704
50°	20031	4246	4390
55°	14396	3703	3895
60°	10336	3081	3293
65°	7420	2598	2700
70°	5362	2288	2327
75°	3705	2108	2170
80°	2315	1964	2137
85°	974	1861	2140



TEST NUMBER: P565510

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	6.4
10°-20°	232.1	13.9
20°-30°	265.6	15.9
30°-40°	266.1	15.9
40°-50°	251.9	15.0
50°-60°	193.2	11.5
60°-70°	124.5	7.4
70°-80°	79.4	4.7
80°-90°	52.7	3.1
90°-100°	35.4	2.1
100°-110°	23.3	1.4
110°-120°	16.2	1.0
120°-130°	11.3	0.7
130°-140°	7.9	0.5
140°-150°	4.8	0.3
150°-160°	2.4	0.1
160°-170°	0.9	0.1
170°-180°	0.2	0.0
0°-30°	604.5	36.1
0°-40°	870.6	52.0
0°-60°	1315.7	78.6
0°-90°	1572.4	93.9
90°-120°	75.0	4.5
90°-150°	99.1	5.9
90°-180°	103.0	6.1
0°-180°	1675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1359	1359	1359	1359	1359	
5°	1371	1295	1161	1082	1053	131
15°	1374	990	754	620	570	390
25°	1375	700	399	347	330	634
35°	1294	390	267	258	255	803
45°	936	246	225	249	258	711
55°	429	176	173	195	203	395
65°	172	111	109	124	129	177
75°	58	60	76	87	91	64
85°	8	28	53	70	75	11
90°	0	19	45	62	64	0
95°	0	14	37	51	53	0
105°	0	10	24	34	37	1
115°	1	9	18	25	27	1
125°	1	8	16	18	19	1
135°	1	6	12	15	16	1
145°	1	4	9	11	12	1
155°	1	3	5	8	9	0
165°	2	2	3	4	5	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



TEST NUMBER: P565510

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1358.8	1358.8	1358.8	1358.8	1358.8
1°	1370.0	1362.3	1344.2	1349.4	1348.5
2°	1370.0	1353.7	1318.5	1308.2	1292.7
3°	1370.9	1339.1	1279.0	1245.5	1224.1
4°	1370.9	1317.6	1220.6	1164.8	1137.4
5°	1370.9	1295.3	1160.6	1082.4	1053.3
6°	1369.1	1268.7	1099.6	1017.2	973.4
7°	1371.7	1239.5	1044.7	956.3	921.9
8°	1370.9	1205.2	994.0	909.9	872.1
9°	1373.4	1171.7	939.1	866.1	837.8
10°	1370.9	1140.8	903.0	824.9	795.7
11°	1370.9	1110.8	877.3	798.3	773.4
12°	1372.6	1076.4	849.0	760.5	726.2
13°	1376.9	1041.2	816.3	719.3	679.0
14°	1377.7	1014.6	786.3	667.0	624.9
15°	1374.3	989.7	754.5	619.8	570.0
16°	1372.6	964.0	716.8	575.1	530.5
17°	1376.0	933.9	673.8	529.6	488.4
18°	1376.9	906.5	628.3	495.3	459.2
19°	1376.9	885.0	591.4	463.5	432.6
20°	1376.9	864.4	553.7	439.5	412.9
21°	1375.2	838.7	510.7	414.6	392.3
22.5°	1376.0	790.6	461.8	385.4	367.4
23°	1373.4	778.6	449.8	377.7	358.8
24°	1374.3	744.2	424.0	362.2	344.2
25°	1375.2	700.5	399.2	346.8	330.5
26°	1373.4	665.3	378.6	332.2	321.0
27°	1369.1	636.9	364.0	320.2	309.9
28°	1363.1	599.2	348.5	309.9	300.4
29°	1357.1	556.2	333.1	298.7	291.9
30°	1353.7	521.9	318.5	290.1	284.1
32.5°	1333.1	454.1	288.4	273.0	267.8
35°	1294.5	389.7	267.0	258.4	254.9
37.5°	1243.8	339.9	250.7	248.9	249.8
40°	1160.6	300.4	238.6	246.4	254.1
42.5°	1061.0	269.5	230.1	248.9	257.5
45°	935.7	246.4	224.9	248.9	257.5
47.5°	796.6	227.5	218.9	240.4	248.9
50°	657.5	210.3	206.9	227.5	235.2
52.5°	534.8	194.0	191.4	211.2	218.9
55°	429.2	176.0	173.4	194.9	202.6
57.5°	344.2	158.8	156.2	176.0	183.7
60°	274.7	141.6	137.3	157.1	164.8
62.5°	218.9	125.3	122.8	139.9	146.8
65°	171.7	110.7	109.0	124.5	128.8



TEST NUMBER: P565510

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	135.6	97.0	97.9	110.7	115.9
70°	104.7	84.1	89.3	101.3	104.7
72.5°	79.0	71.2	82.4	92.7	97.0
75°	58.4	60.1	75.5	86.7	91.0
77.5°	40.3	49.8	69.5	81.5	85.8
80°	27.5	40.3	63.5	77.3	82.4
82.5°	16.3	33.5	58.4	73.0	79.0
85°	7.7	27.5	53.2	69.5	74.7
87.5°	2.6	22.3	48.1	66.1	70.4
90°	0.0	18.9	44.6	61.8	64.4
92.5°	0.0	16.3	40.3	56.7	58.4
95°	0.0	13.7	36.9	50.6	53.2
97.5°	0.0	12.9	34.3	45.5	48.9
100°	0.0	12.0	30.9	41.2	44.6
102.5°	0.0	10.3	27.5	36.9	40.3
105°	0.0	10.3	24.0	34.3	36.9
107.5°	0.9	9.4	22.3	30.9	34.3
110°	0.9	9.4	19.7	29.2	31.8
112.5°	0.9	9.4	18.9	26.6	30.0
115°	0.9	8.6	18.0	24.9	26.6
117.5°	0.9	8.6	17.2	22.3	24.0
120°	0.9	7.7	16.3	20.6	21.5
122.5°	0.9	7.7	15.5	18.9	19.7
125°	0.9	7.7	15.5	18.0	18.9
127.5°	0.9	6.9	14.6	17.2	17.2
130°	0.9	6.9	13.7	16.3	16.3
132.5°	0.9	6.0	12.9	15.5	16.3
135°	0.9	6.0	12.0	14.6	15.5
137.5°	0.9	5.2	11.2	13.7	14.6
140°	0.9	5.2	10.3	12.9	13.7
142.5°	0.9	4.3	9.4	12.0	12.9
145°	0.9	4.3	8.6	11.2	12.0
147.5°	0.9	4.3	7.7	10.3	11.2
150°	0.9	3.4	6.9	9.4	10.3
152.5°	0.9	3.4	6.0	8.6	9.4
155°	0.9	2.6	5.2	7.7	8.6
157.5°	0.9	2.6	5.2	6.9	7.7
160°	1.7	2.6	4.3	6.0	6.9
162.5°	0.9	1.7	4.3	5.2	6.0
165°	1.7	1.7	3.4	4.3	5.2
167.5°	1.7	1.7	2.6	3.4	4.3
170°	1.7	1.7	2.6	2.6	3.4
172.5°	1.7	1.7	1.7	2.6	1.7
175°	1.7	1.7	1.7	1.7	0.9
177.5°	1.7	1.7	1.7	1.7	0.9



TEST NUMBER: P565510

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)