

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: P565511

Luminaire Tested: **2SNX-19SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565511
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-L935-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

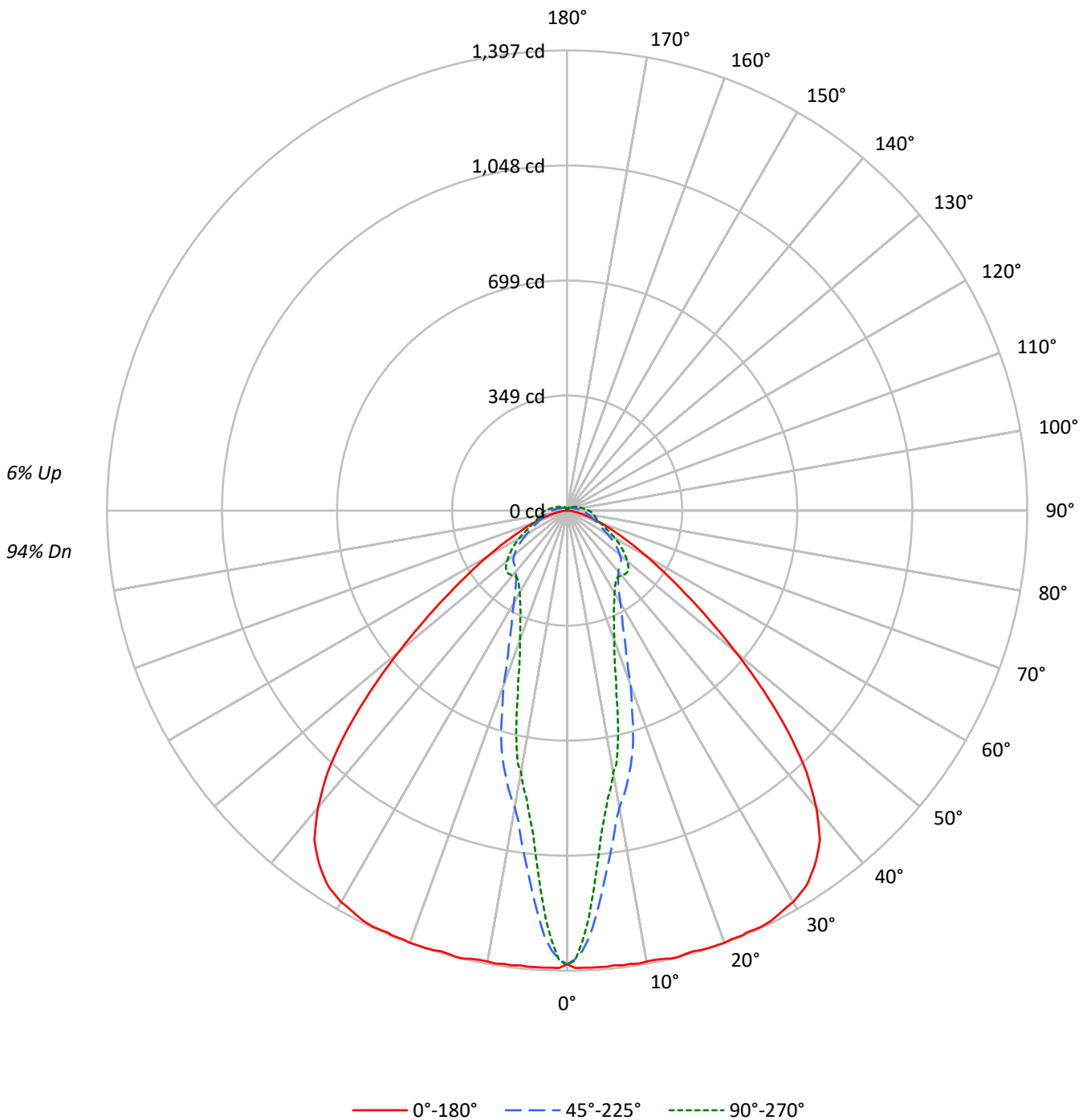
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1698.0 lumens
Efficiency: N/A
Efficacy: 141.5 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_{in}): 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: P565511
CATALOG NUMBER: 2SNX-19SL-LC-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P565511

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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°	29655	29655	29655
5°	29814	24297	21801
10°	29939	18299	15779
15°	30372	14926	10926
20°	31036	10779	7717
25°	31874	7705	6070
30°	32547	6143	5169
35°	32584	5186	4630
40°	30902	4704	4642
45°	26656	4536	4769
50°	20308	4303	4449
55°	14594	3755	3949
60°	10479	3124	3339
65°	7520	2634	2736
70°	5439	2318	2361
75°	3756	2139	2199
80°	2340	1992	2165
85°	987	1889	2169



TEST NUMBER: P565511

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	6.4
10°-20°	235.2	13.9
20°-30°	269.3	15.9
30°-40°	269.7	15.9
40°-50°	255.4	15.0
50°-60°	195.8	11.5
60°-70°	126.2	7.4
70°-80°	80.5	4.7
80°-90°	53.4	3.1
90°-100°	35.9	2.1
100°-110°	23.7	1.4
110°-120°	16.5	1.0
120°-130°	11.5	0.7
130°-140°	8.0	0.5
140°-150°	4.9	0.3
150°-160°	2.5	0.1
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	612.8	36.1
0°-40°	882.6	52.0
0°-60°	1333.8	78.6
0°-90°	1594.0	93.9
90°-120°	76.1	4.5
90°-150°	100.4	5.9
90°-180°	104.0	6.1
0°-180°	1698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1378	1378	1378	1378	1378	
5°	1390	1313	1176	1097	1068	133
15°	1393	1003	765	628	578	395
25°	1394	710	405	352	335	643
35°	1312	395	271	262	258	814
45°	948	250	228	252	261	721
55°	435	178	176	198	205	400
65°	174	112	110	126	130	179
75°	59	61	77	88	92	65
85°	8	28	54	70	76	11
90°	0	19	45	63	65	0
95°	0	14	37	51	54	0
105°	0	10	24	35	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	4	4	5	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



TEST NUMBER: P565511

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1377.5	1377.5	1377.5	1377.5	1377.5
1°	1388.8	1381.0	1362.7	1367.9	1367.1
2°	1388.8	1372.3	1336.6	1326.2	1310.5
3°	1389.7	1357.5	1296.6	1262.6	1240.9
4°	1389.7	1335.7	1237.4	1180.8	1153.0
5°	1389.7	1313.1	1176.5	1097.3	1067.7
6°	1387.9	1286.1	1114.7	1031.2	986.8
7°	1390.6	1256.5	1059.0	969.4	934.6
8°	1389.7	1221.7	1007.7	922.4	884.1
9°	1392.3	1187.8	952.0	878.0	849.3
10°	1389.7	1156.5	915.4	836.2	806.7
11°	1389.7	1126.0	889.3	809.3	784.0
12°	1391.4	1091.2	860.6	771.0	736.2
13°	1395.8	1055.5	827.5	729.2	688.3
14°	1396.6	1028.6	797.1	676.1	633.5
15°	1393.2	1003.3	764.9	628.3	577.8
16°	1391.4	977.2	726.6	583.0	537.8
17°	1394.9	946.8	683.1	536.9	495.1
18°	1395.8	918.9	637.0	502.1	465.5
19°	1395.8	897.2	599.6	469.9	438.6
20°	1395.8	876.3	561.3	445.5	418.6
21°	1394.0	850.2	517.8	420.3	397.7
22.5°	1394.9	801.4	468.2	390.7	372.4
23°	1392.3	789.3	456.0	382.9	363.7
24°	1393.2	754.4	429.9	367.2	348.9
25°	1394.0	710.1	404.6	351.6	335.0
26°	1392.3	674.4	383.8	336.8	325.4
27°	1387.9	645.7	369.0	324.6	314.1
28°	1381.9	607.4	353.3	314.1	304.6
29°	1375.8	563.9	337.6	302.8	295.9
30°	1372.3	529.1	322.8	294.1	288.0
32.5°	1351.4	460.3	292.4	276.7	271.5
35°	1312.2	395.1	270.6	261.9	258.4
37.5°	1260.9	344.6	254.1	252.4	253.2
40°	1176.5	304.6	241.9	249.7	257.6
42.5°	1075.5	273.2	233.2	252.4	261.1
45°	948.5	249.7	228.0	252.4	261.1
47.5°	807.5	230.6	221.9	243.7	252.4
50°	666.6	213.2	209.7	230.6	238.4
52.5°	542.1	196.7	194.1	214.1	221.9
55°	435.1	178.4	175.8	197.5	205.4
57.5°	348.9	161.0	158.4	178.4	186.2
60°	278.5	143.6	139.2	159.2	167.1
62.5°	221.9	127.0	124.4	141.8	148.8
65°	174.0	112.3	110.5	126.2	130.5



TEST NUMBER: P565511

CATALOG NUMBER: 2SNX-19SL-LC-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	137.5	98.3	99.2	112.3	117.5
70°	106.2	85.3	90.5	102.7	106.2
72.5°	80.1	72.2	83.5	94.0	98.3
75°	59.2	60.9	76.6	87.9	92.2
77.5°	40.9	50.5	70.5	82.7	87.0
80°	27.8	40.9	64.4	78.3	83.5
82.5°	16.5	33.9	59.2	74.0	80.1
85°	7.8	27.8	54.0	70.5	75.7
87.5°	2.6	22.6	48.7	67.0	71.4
90°	0.0	19.1	45.2	62.7	65.3
92.5°	0.0	16.5	40.9	57.4	59.2
95°	0.0	13.9	37.4	51.3	54.0
97.5°	0.0	13.1	34.8	46.1	49.6
100°	0.0	12.2	31.3	41.8	45.2
102.5°	0.0	10.4	27.8	37.4	40.9
105°	0.0	10.4	24.4	34.8	37.4
107.5°	0.9	9.6	22.6	31.3	34.8
110°	0.9	9.6	20.0	29.6	32.2
112.5°	0.9	9.6	19.1	27.0	30.5
115°	0.9	8.7	18.3	25.2	27.0
117.5°	0.9	8.7	17.4	22.6	24.4
120°	0.9	7.8	16.5	20.9	21.8
122.5°	0.9	7.8	15.7	19.1	20.0
125°	0.9	7.8	15.7	18.3	19.1
127.5°	0.9	7.0	14.8	17.4	17.4
130°	0.9	7.0	13.9	16.5	16.5
132.5°	0.9	6.1	13.1	15.7	16.5
135°	0.9	6.1	12.2	14.8	15.7
137.5°	0.9	5.2	11.3	13.9	14.8
140°	0.9	5.2	10.4	13.1	13.9
142.5°	0.9	4.4	9.6	12.2	13.1
145°	0.9	4.4	8.7	11.3	12.2
147.5°	0.9	4.4	7.8	10.4	11.3
150°	0.9	3.5	7.0	9.6	10.4
152.5°	0.9	3.5	6.1	8.7	9.6
155°	0.9	2.6	5.2	7.8	8.7
157.5°	0.9	2.6	5.2	7.0	7.8
160°	1.7	2.6	4.4	6.1	7.0
162.5°	0.9	1.7	4.4	5.2	6.1
165°	1.7	1.7	3.5	4.4	5.2
167.5°	1.7	1.7	2.6	3.5	4.4
170°	1.7	1.7	2.6	2.6	3.5
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: P565511

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)