

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: P565521

Luminaire Tested: **2SNX-19SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-19SL-LN-UNV-L950-CD  
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

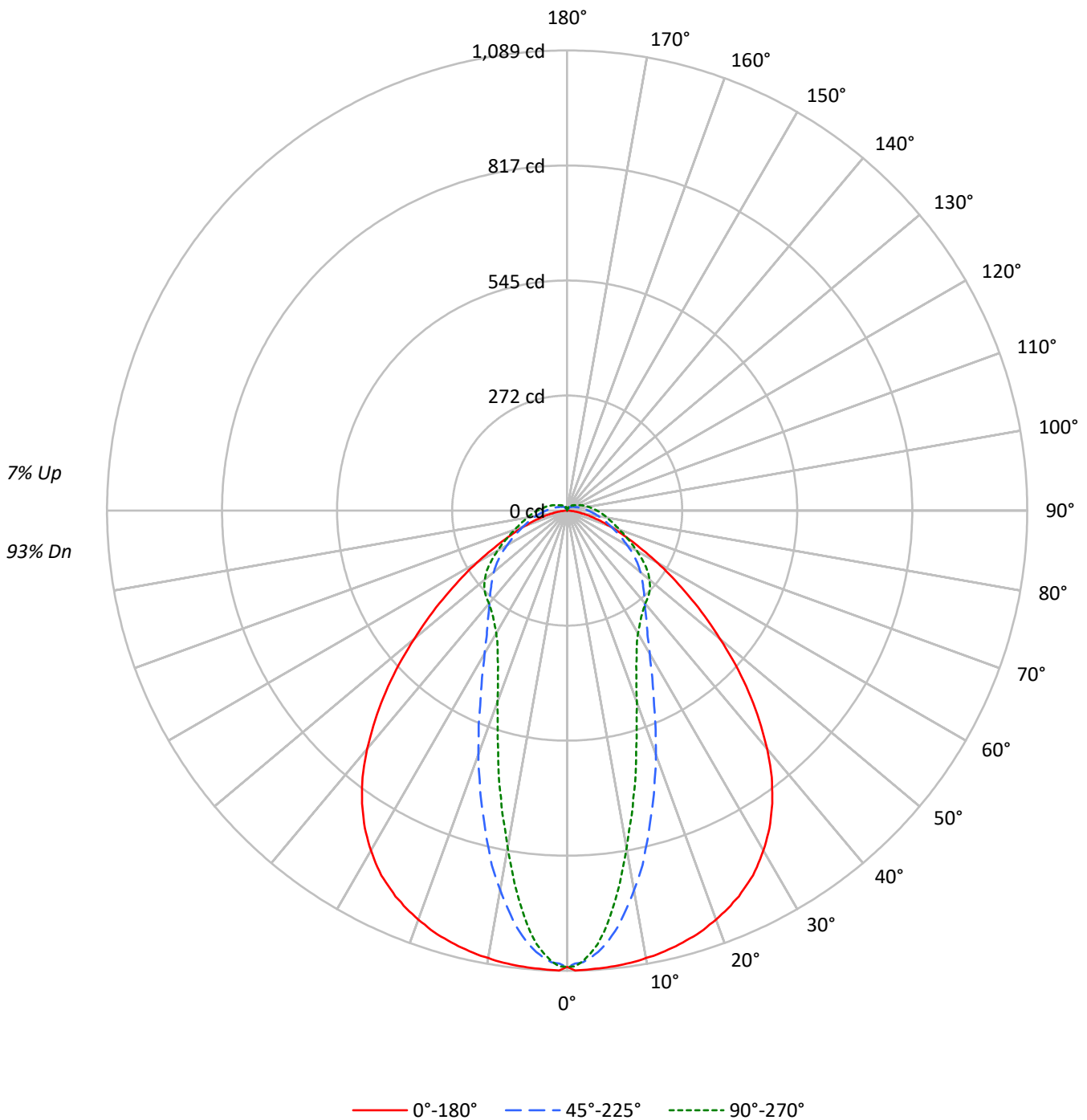
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1720.9 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
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

TEST NUMBER: P565521  
CATALOG NUMBER: 2SNX-19SL-LN-UNV-L950-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565521

CATALOG NUMBER: 2SNX-19SL-LN-UNV-L950-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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	23241	23241	23241
5°	23277	21309	20444
10°	23161	18229	15862
15°	23065	14837	11888
20°	22902	11794	8895
25°	22602	9223	7060
30°	22033	7449	6022
35°	21008	6292	5479
40°	19332	5543	5185
45°	17084	5061	5025
50°	14371	4646	4748
55°	11709	4199	4336
60°	9263	3685	3803
65°	7096	3225	3308
70°	5403	2841	2927
75°	4060	2543	2666
80°	2736	2317	2479
85°	1366	2144	2378



TEST NUMBER: P565521

CATALOG NUMBER: 2SNX-19SL-LN-UNV-L950-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.6	5.6
10°-20°	224.1	13.0
20°-30°	266.0	15.5
30°-40°	267.6	15.6
40°-50°	248.8	14.5
50°-60°	204.9	11.9
60°-70°	144.4	8.4
70°-80°	94.3	5.5
80°-90°	60.2	3.5
90°-100°	39.5	2.3
100°-110°	26.8	1.6
110°-120°	18.4	1.1
120°-130°	12.7	0.7
130°-140°	8.5	0.5
140°-150°	5.3	0.3
150°-160°	2.7	0.2
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	585.7	34.0
0°-40°	853.4	49.6
0°-60°	1307.0	75.9
0°-90°	1605.9	93.3
90°-120°	84.7	4.9
90°-150°	111.1	6.5
90°-180°	115.0	6.7
0°-180°	1720.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1085	1071	1032	1012	1001	103
15°	1058	945	760	665	629	299
25°	988	731	484	407	390	455
35°	846	494	328	308	306	526
45°	608	326	254	268	275	467
55°	349	214	197	218	226	315
65°	164	129	135	152	158	167
75°	64	67	91	107	112	69
85°	11	31	61	79	83	14
90°	0	21	50	68	70	1
95°	0	15	42	57	60	0
105°	0	11	28	40	43	0
115°	1	9	20	29	31	1
125°	1	7	16	21	22	1
135°	1	6	13	16	17	1
145°	1	4	9	13	14	1
155°	1	4	6	9	10	0
165°	1	2	4	4	5	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P565521

CATALOG NUMBER: 2SNX-19SL-LN-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1079.6	1079.6	1079.6	1079.6	1079.6
1°	1088.7	1084.1	1072.4	1080.5	1078.7
2°	1087.8	1083.2	1069.7	1073.3	1067.0
3°	1086.9	1080.5	1059.8	1058.9	1049.9
4°	1085.9	1076.0	1047.2	1036.3	1029.1
5°	1085.0	1070.6	1031.8	1012.0	1001.2
6°	1084.1	1064.3	1012.0	982.2	966.9
7°	1082.3	1054.4	991.2	950.7	930.8
8°	1080.5	1045.4	965.1	916.4	892.0
9°	1078.7	1033.6	938.9	879.4	850.5
10°	1075.1	1021.9	911.9	841.5	810.9
11°	1073.3	1008.4	885.7	805.4	769.4
12°	1069.7	993.9	857.8	767.6	736.0
13°	1066.1	978.6	823.5	735.1	697.2
14°	1062.5	962.4	793.7	699.0	663.8
15°	1058.0	945.2	760.3	664.7	628.7
16°	1053.5	925.4	730.6	629.6	591.7
17°	1049.0	906.5	702.6	597.1	562.8
18°	1043.6	887.5	670.1	565.5	532.2
19°	1036.3	865.9	644.0	536.7	506.0
20°	1030.0	846.0	614.2	509.6	482.5
21°	1022.8	821.7	584.5	484.3	457.3
22.5°	1012.0	787.4	546.6	452.8	427.5
23°	1006.6	777.5	531.2	441.1	419.4
24°	999.4	751.3	506.0	423.0	401.4
25°	988.5	730.6	484.3	406.8	389.6
26°	978.6	705.3	462.7	392.3	375.2
27°	968.7	681.0	443.8	377.0	362.6
28°	956.1	655.7	423.0	364.4	351.8
29°	942.5	632.3	405.9	353.6	343.6
30°	929.0	606.1	391.4	343.6	335.5
32.5°	891.1	548.4	354.5	324.7	319.3
35°	846.0	494.3	328.3	307.6	305.8
37.5°	795.5	444.7	304.9	294.0	295.8
40°	736.0	399.6	285.0	284.1	287.7
42.5°	672.9	360.8	269.7	276.0	281.4
45°	607.9	325.6	254.4	267.9	275.1
47.5°	540.3	294.9	240.8	258.0	266.1
50°	471.7	265.2	226.4	246.2	254.4
52.5°	410.4	239.0	212.0	232.7	241.7
55°	349.1	213.8	196.6	218.3	225.5
57.5°	295.8	190.3	180.4	202.0	207.4
60°	246.2	167.8	164.2	184.0	190.3
62.5°	201.1	147.9	148.8	167.8	174.1
65°	164.2	129.0	135.3	152.4	157.8



TEST NUMBER: P565521

CATALOG NUMBER: 2SNX-19SL-LN-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	133.5	110.9	121.8	139.8	144.3
70°	105.5	94.7	110.9	127.2	131.7
72.5°	83.9	80.3	100.1	117.3	120.9
75°	64.0	66.7	91.1	107.3	111.8
77.5°	46.0	55.9	82.1	99.2	102.8
80°	32.5	46.0	74.9	92.0	95.6
82.5°	20.7	37.9	67.6	85.7	89.3
85°	10.8	30.7	61.3	79.4	83.0
87.5°	4.5	25.3	55.0	73.1	76.7
90°	0.0	20.7	49.6	67.6	70.4
92.5°	0.0	18.0	45.1	62.2	64.9
95°	0.0	15.3	41.5	56.8	59.5
97.5°	0.0	14.4	37.0	52.3	55.0
100°	0.0	12.6	33.4	47.8	51.4
102.5°	0.0	11.7	30.7	43.3	46.9
105°	0.0	10.8	28.0	39.7	43.3
107.5°	0.0	9.9	26.2	37.0	39.7
110°	0.0	9.9	23.5	34.3	37.0
112.5°	0.9	9.0	21.6	30.7	33.4
115°	0.9	9.0	19.8	28.9	30.7
117.5°	0.9	9.0	18.9	26.2	28.0
120°	0.9	8.1	18.0	24.4	26.2
122.5°	0.9	8.1	17.1	22.5	23.5
125°	0.9	7.2	16.2	20.7	22.5
127.5°	0.9	7.2	15.3	19.8	20.7
130°	0.9	7.2	14.4	18.0	19.8
132.5°	0.9	6.3	13.5	17.1	18.0
135°	0.9	6.3	12.6	16.2	17.1
137.5°	0.9	5.4	11.7	15.3	16.2
140°	0.9	5.4	10.8	14.4	15.3
142.5°	0.9	4.5	9.9	13.5	14.4
145°	0.9	4.5	9.0	12.6	13.5
147.5°	0.9	4.5	8.1	11.7	12.6
150°	0.9	3.6	7.2	10.8	11.7
152.5°	0.9	3.6	6.3	9.9	10.8
155°	0.9	3.6	6.3	9.0	9.9
157.5°	0.9	2.7	5.4	7.2	9.0
160°	0.9	2.7	4.5	6.3	8.1
162.5°	0.9	2.7	4.5	5.4	6.3
165°	0.9	1.8	3.6	4.5	5.4
167.5°	0.9	1.8	2.7	3.6	4.5
170°	0.9	1.8	2.7	2.7	3.6
172.5°	0.9	1.8	1.8	1.8	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	0.9	0.9



TEST NUMBER: P565521

CATALOG NUMBER: 2SNX-19SL-LN-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)