

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: P565514

Luminaire Tested: **2SNX-19SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565514
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-L830-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

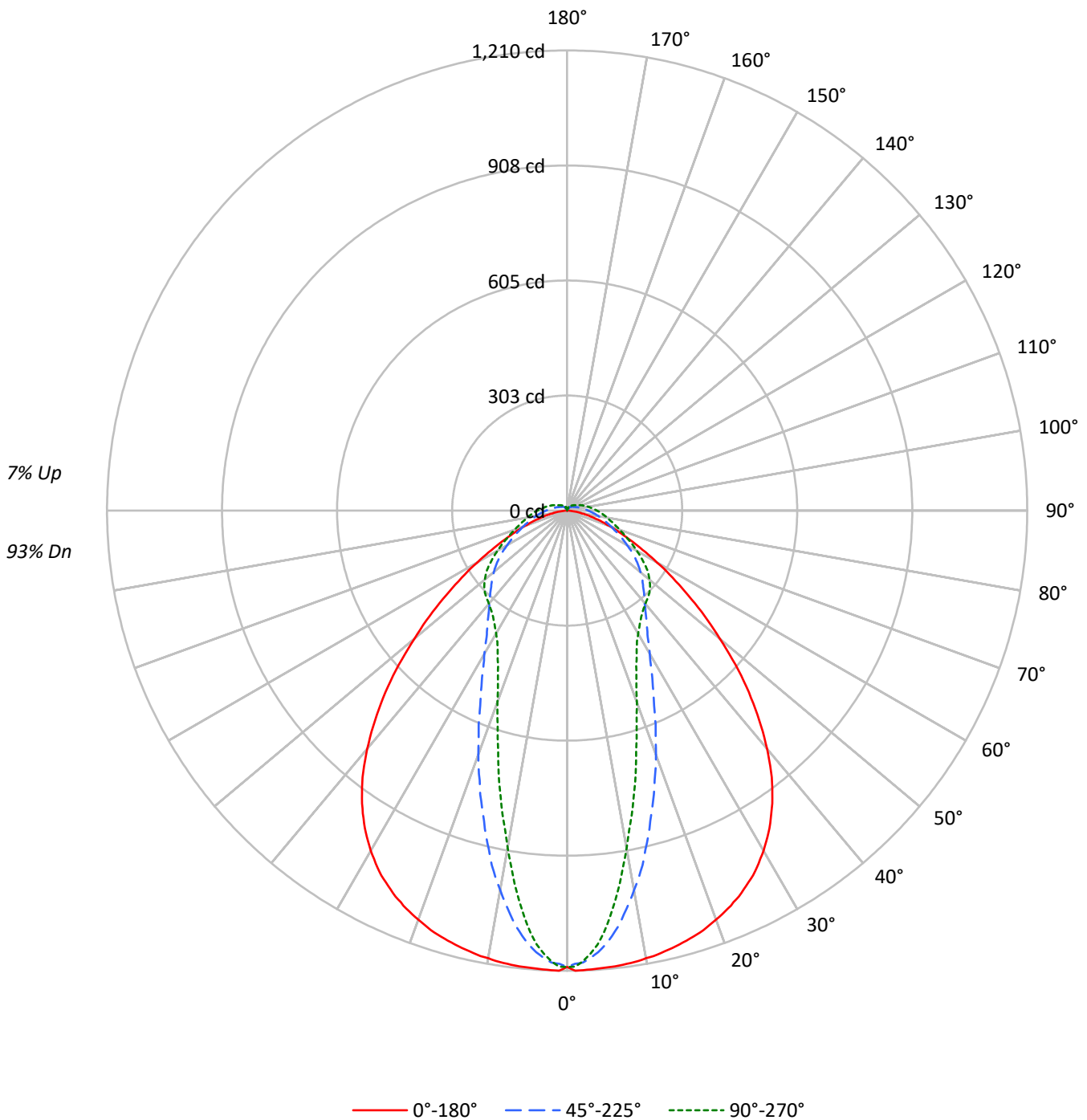
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1912.9 lumens
Efficiency: N/A
Efficacy: 159.4 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 (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	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°	25836	25836	25836
5°	25875	23686	22724
10°	25746	20262	17630
15°	25637	16493	13214
20°	25457	13112	9889
25°	25124	10253	7848
30°	24493	8280	6695
35°	23352	6993	6090
40°	21488	6161	5763
45°	18989	5624	5586
50°	15973	5163	5276
55°	13014	4669	4818
60°	10298	4096	4226
65°	7887	3585	3679
70°	6008	3159	3254
75°	4517	2828	2964
80°	3039	2574	2756
85°	1518	2385	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	5.6
10°-20°	249.1	13.0
20°-30°	295.7	15.5
30°-40°	297.5	15.6
40°-50°	276.5	14.5
50°-60°	227.7	11.9
60°-70°	160.5	8.4
70°-80°	104.8	5.5
80°-90°	66.9	3.5
90°-100°	43.9	2.3
100°-110°	29.8	1.6
110°-120°	20.4	1.1
120°-130°	14.1	0.7
130°-140°	9.5	0.5
140°-150°	5.8	0.3
150°-160°	3.0	0.2
160°-170°	1.1	0.1
170°-180°	0.2	0.0
0°-30°	651.1	34.0
0°-40°	948.6	49.6
0°-60°	1452.8	75.9
0°-90°	1785.0	93.3
90°-120°	94.1	4.9
90°-150°	123.6	6.5
90°-180°	128.0	6.7
0°-180°	1912.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1206	1190	1147	1125	1113	115
15°	1176	1051	845	739	699	332
25°	1099	812	538	452	433	506
35°	940	549	365	342	340	585
45°	676	362	283	298	306	519
55°	388	238	219	243	251	350
65°	182	143	150	169	176	185
75°	71	74	101	119	124	77
85°	12	34	68	88	92	15
90°	0	23	55	75	78	1
95°	0	17	46	63	66	0
105°	0	12	31	44	48	0
115°	1	10	22	32	34	1
125°	1	8	18	23	25	1
135°	1	7	14	18	19	1
145°	1	5	10	14	15	1
155°	1	4	7	10	11	0
165°	1	2	4	5	6	0
175°	2	2	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.1	1200.1	1200.1	1200.1	1200.1
1°	1210.1	1205.1	1192.1	1201.1	1199.1
2°	1209.1	1204.1	1189.1	1193.1	1186.0
3°	1208.1	1201.1	1178.0	1177.0	1167.0
4°	1207.1	1196.1	1164.0	1152.0	1143.9
5°	1206.1	1190.1	1146.9	1124.9	1112.9
6°	1205.1	1183.0	1124.9	1091.8	1074.8
7°	1203.1	1172.0	1101.8	1056.7	1034.7
8°	1201.1	1162.0	1072.8	1018.6	991.5
9°	1199.1	1149.0	1043.7	977.5	945.4
10°	1195.1	1135.9	1013.6	935.4	901.3
11°	1193.1	1120.9	984.5	895.3	855.2
12°	1189.1	1104.8	953.4	853.2	818.1
13°	1185.0	1087.8	915.4	817.1	775.0
14°	1181.0	1069.7	882.3	777.0	737.9
15°	1176.0	1050.7	845.2	738.9	698.8
16°	1171.0	1028.6	812.1	699.8	657.7
17°	1166.0	1007.6	781.0	663.7	625.6
18°	1160.0	986.5	744.9	628.6	591.5
19°	1152.0	962.5	715.8	596.5	562.4
20°	1144.9	940.4	682.8	566.5	536.4
21°	1136.9	913.3	649.7	538.4	508.3
22.5°	1124.9	875.2	607.6	503.3	475.2
23°	1118.9	864.2	590.5	490.3	466.2
24°	1110.9	835.1	562.4	470.2	446.1
25°	1098.8	812.1	538.4	452.2	433.1
26°	1087.8	784.0	514.3	436.1	417.1
27°	1076.8	756.9	493.3	419.1	403.0
28°	1062.7	728.9	470.2	405.0	391.0
29°	1047.7	702.8	451.2	393.0	382.0
30°	1032.7	673.7	435.1	382.0	373.0
32.5°	990.5	609.6	394.0	360.9	354.9
35°	940.4	549.4	364.9	341.9	339.9
37.5°	884.3	494.3	338.9	326.8	328.8
40°	818.1	444.1	316.8	315.8	319.8
42.5°	747.9	401.0	299.8	306.8	312.8
45°	675.7	361.9	282.7	297.8	305.8
47.5°	600.5	327.8	267.7	286.7	295.8
50°	524.3	294.8	251.6	273.7	282.7
52.5°	456.2	265.7	235.6	258.7	268.7
55°	388.0	237.6	218.6	242.6	250.6
57.5°	328.8	211.5	200.5	224.6	230.6
60°	273.7	186.5	182.5	204.5	211.5
62.5°	223.6	164.4	165.4	186.5	193.5
65°	182.5	143.4	150.4	169.4	175.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	148.4	123.3	135.3	155.4	160.4
70°	117.3	105.3	123.3	141.4	146.4
72.5°	93.2	89.2	111.3	130.3	134.3
75°	71.2	74.2	101.3	119.3	124.3
77.5°	51.1	62.2	91.2	110.3	114.3
80°	36.1	51.1	83.2	102.3	106.3
82.5°	23.1	42.1	75.2	95.2	99.3
85°	12.0	34.1	68.2	88.2	92.2
87.5°	5.0	28.1	61.2	81.2	85.2
90°	0.0	23.1	55.1	75.2	78.2
92.5°	0.0	20.1	50.1	69.2	72.2
95°	0.0	17.0	46.1	63.2	66.2
97.5°	0.0	16.0	41.1	58.1	61.2
100°	0.0	14.0	37.1	53.1	57.1
102.5°	0.0	13.0	34.1	48.1	52.1
105°	0.0	12.0	31.1	44.1	48.1
107.5°	0.0	11.0	29.1	41.1	44.1
110°	0.0	11.0	26.1	38.1	41.1
112.5°	1.0	10.0	24.1	34.1	37.1
115°	1.0	10.0	22.1	32.1	34.1
117.5°	1.0	10.0	21.1	29.1	31.1
120°	1.0	9.0	20.1	27.1	29.1
122.5°	1.0	9.0	19.0	25.1	26.1
125°	1.0	8.0	18.0	23.1	25.1
127.5°	1.0	8.0	17.0	22.1	23.1
130°	1.0	8.0	16.0	20.1	22.1
132.5°	1.0	7.0	15.0	19.0	20.1
135°	1.0	7.0	14.0	18.0	19.0
137.5°	1.0	6.0	13.0	17.0	18.0
140°	1.0	6.0	12.0	16.0	17.0
142.5°	1.0	5.0	11.0	15.0	16.0
145°	1.0	5.0	10.0	14.0	15.0
147.5°	1.0	5.0	9.0	13.0	14.0
150°	1.0	4.0	8.0	12.0	13.0
152.5°	1.0	4.0	7.0	11.0	12.0
155°	1.0	4.0	7.0	10.0	11.0
157.5°	1.0	3.0	6.0	8.0	10.0
160°	1.0	3.0	5.0	7.0	9.0
162.5°	1.0	3.0	5.0	6.0	7.0
165°	1.0	2.0	4.0	5.0	6.0
167.5°	1.0	2.0	3.0	4.0	5.0
170°	1.0	2.0	3.0	3.0	4.0
172.5°	1.0	2.0	2.0	2.0	2.0
175°	2.0	2.0	2.0	2.0	1.0
177.5°	2.0	2.0	2.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)