

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: P565519

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565519
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-L935-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

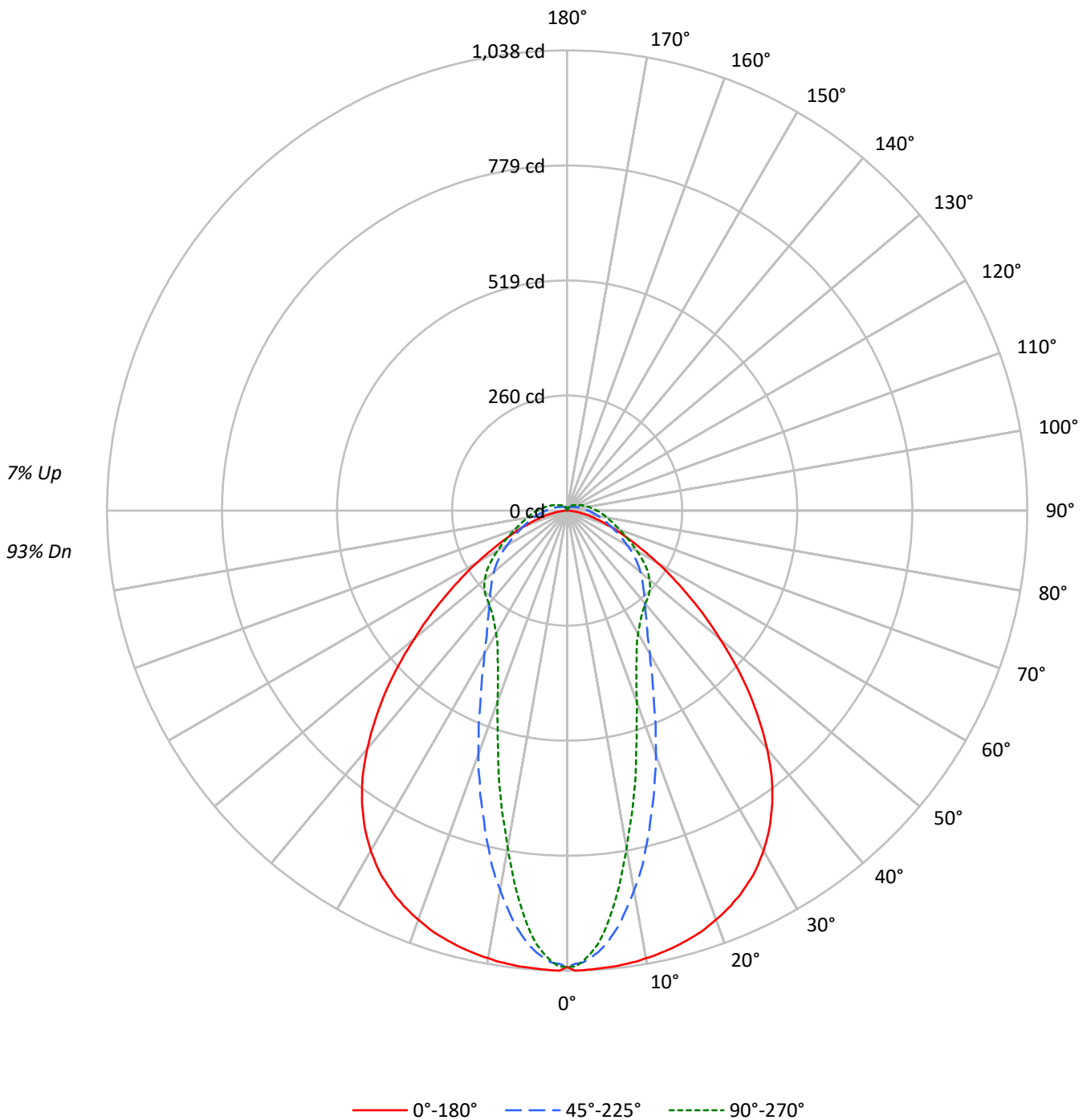
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1641.0 lumens
Efficiency: N/A
Efficacy: 136.8 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_{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

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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	67	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°	22161	22161	22161
5°	22196	20319	19492
10°	22084	17382	15124
15°	21992	14148	11334
20°	21837	11247	8482
25°	21552	8794	6732
30°	21009	7104	5742
35°	20032	5998	5223
40°	18433	5286	4943
45°	16291	4824	4791
50°	13703	4431	4526
55°	11162	4004	4134
60°	8834	3512	3627
65°	6763	3074	3155
70°	5152	2710	2792
75°	3876	2426	2542
80°	2610	2209	2365
85°	1303	2046	2267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	5.6
10°-20°	213.7	13.0
20°-30°	253.7	15.5
30°-40°	255.2	15.6
40°-50°	237.2	14.5
50°-60°	195.3	11.9
60°-70°	137.6	8.4
70°-80°	89.9	5.5
80°-90°	57.4	3.5
90°-100°	37.7	2.3
100°-110°	25.6	1.6
110°-120°	17.5	1.1
120°-130°	12.1	0.7
130°-140°	8.2	0.5
140°-150°	5.0	0.3
150°-160°	2.6	0.2
160°-170°	0.9	0.1
170°-180°	0.2	0.0
0°-30°	558.5	34.0
0°-40°	813.7	49.6
0°-60°	1246.3	75.9
0°-90°	1531.2	93.3
90°-120°	80.7	4.9
90°-150°	106.1	6.5
90°-180°	110.0	6.7
0°-180°	1641.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1035	1021	984	965	955	98
15°	1009	901	725	634	599	285
25°	943	697	462	388	372	434
35°	807	471	313	293	292	502
45°	580	310	242	255	262	445
55°	333	204	188	208	215	301
65°	156	123	129	145	150	159
75°	61	64	87	102	107	66
85°	10	29	58	76	79	13
90°	0	20	47	64	67	1
95°	0	15	40	54	57	0
105°	0	10	27	38	41	0
115°	1	9	19	28	29	1
125°	1	7	16	20	22	1
135°	1	6	12	16	16	1
145°	1	4	9	12	13	1
155°	1	3	6	9	10	0
165°	1	2	3	4	5	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°	1029.4	1029.4	1029.4	1029.4	1029.4
1°	1038.0	1033.7	1022.6	1030.3	1028.6
2°	1037.2	1032.9	1020.0	1023.4	1017.4
3°	1036.3	1030.3	1010.5	1009.7	1001.1
4°	1035.5	1026.0	998.5	988.2	981.3
5°	1034.6	1020.8	983.9	964.9	954.6
6°	1033.7	1014.8	964.9	936.6	921.9
7°	1032.0	1005.4	945.2	906.5	887.5
8°	1030.3	996.8	920.2	873.8	850.6
9°	1028.6	985.6	895.3	838.5	811.0
10°	1025.1	974.4	869.5	802.4	773.2
11°	1023.4	961.5	844.5	768.0	733.6
12°	1020.0	947.7	817.9	731.9	701.8
13°	1016.5	933.1	785.2	700.9	664.8
14°	1013.1	917.6	756.8	666.5	633.0
15°	1008.8	901.3	725.0	633.8	599.4
16°	1004.5	882.4	696.6	600.3	564.2
17°	1000.2	864.3	670.0	569.3	536.7
18°	995.0	846.3	639.0	539.2	507.4
19°	988.2	825.6	614.1	511.7	482.5
20°	982.1	806.7	585.7	485.9	460.1
21°	975.3	783.5	557.3	461.8	436.0
22.5°	964.9	750.8	521.2	431.7	407.7
23°	959.8	741.3	506.6	420.6	399.9
24°	952.9	716.4	482.5	403.4	382.7
25°	942.6	696.6	461.8	387.9	371.5
26°	933.1	672.5	441.2	374.1	357.8
27°	923.7	649.3	423.1	359.5	345.7
28°	911.6	625.2	403.4	347.4	335.4
29°	898.7	602.9	387.0	337.1	327.7
30°	885.8	577.9	373.3	327.7	319.9
32.5°	849.7	522.9	338.0	309.6	304.4
35°	806.7	471.3	313.0	293.3	291.5
37.5°	758.5	424.0	290.7	280.4	282.1
40°	701.8	381.0	271.8	270.9	274.3
42.5°	641.6	344.0	257.1	263.2	268.3
45°	579.7	310.5	242.5	255.4	262.3
47.5°	515.2	281.2	229.6	246.0	253.7
50°	449.8	252.8	215.9	234.8	242.5
52.5°	391.3	227.9	202.1	221.9	230.5
55°	332.8	203.8	187.5	208.1	215.0
57.5°	282.1	181.5	172.0	192.6	197.8
60°	234.8	160.0	156.5	175.4	181.5
62.5°	191.8	141.0	141.9	160.0	166.0
65°	156.5	123.0	129.0	145.3	150.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	127.3	105.8	116.1	133.3	137.6
70°	100.6	90.3	105.8	121.3	125.6
72.5°	80.0	76.5	95.5	111.8	115.2
75°	61.1	63.6	86.9	102.3	106.6
77.5°	43.9	53.3	78.3	94.6	98.0
80°	31.0	43.9	71.4	87.7	91.2
82.5°	19.8	36.1	64.5	81.7	85.1
85°	10.3	29.2	58.5	75.7	79.1
87.5°	4.3	24.1	52.5	69.7	73.1
90°	0.0	19.8	47.3	64.5	67.1
92.5°	0.0	17.2	43.0	59.3	61.9
95°	0.0	14.6	39.6	54.2	56.8
97.5°	0.0	13.8	35.3	49.9	52.5
100°	0.0	12.0	31.8	45.6	49.0
102.5°	0.0	11.2	29.2	41.3	44.7
105°	0.0	10.3	26.7	37.8	41.3
107.5°	0.0	9.5	24.9	35.3	37.8
110°	0.0	9.5	22.4	32.7	35.3
112.5°	0.9	8.6	20.6	29.2	31.8
115°	0.9	8.6	18.9	27.5	29.2
117.5°	0.9	8.6	18.1	24.9	26.7
120°	0.9	7.7	17.2	23.2	24.9
122.5°	0.9	7.7	16.3	21.5	22.4
125°	0.9	6.9	15.5	19.8	21.5
127.5°	0.9	6.9	14.6	18.9	19.8
130°	0.9	6.9	13.8	17.2	18.9
132.5°	0.9	6.0	12.9	16.3	17.2
135°	0.9	6.0	12.0	15.5	16.3
137.5°	0.9	5.2	11.2	14.6	15.5
140°	0.9	5.2	10.3	13.8	14.6
142.5°	0.9	4.3	9.5	12.9	13.8
145°	0.9	4.3	8.6	12.0	12.9
147.5°	0.9	4.3	7.7	11.2	12.0
150°	0.9	3.4	6.9	10.3	11.2
152.5°	0.9	3.4	6.0	9.5	10.3
155°	0.9	3.4	6.0	8.6	9.5
157.5°	0.9	2.6	5.2	6.9	8.6
160°	0.9	2.6	4.3	6.0	7.7
162.5°	0.9	2.6	4.3	5.2	6.0
165°	0.9	1.7	3.4	4.3	5.2
167.5°	0.9	1.7	2.6	3.4	4.3
170°	0.9	1.7	2.6	2.6	3.4
172.5°	0.9	1.7	1.7	1.7	1.7
175°	1.7	1.7	1.7	1.7	0.9
177.5°	1.7	1.7	1.7	0.9	0.9



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)