

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: P565513

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565513
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-L950-CD
Description: 2FT 1900 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

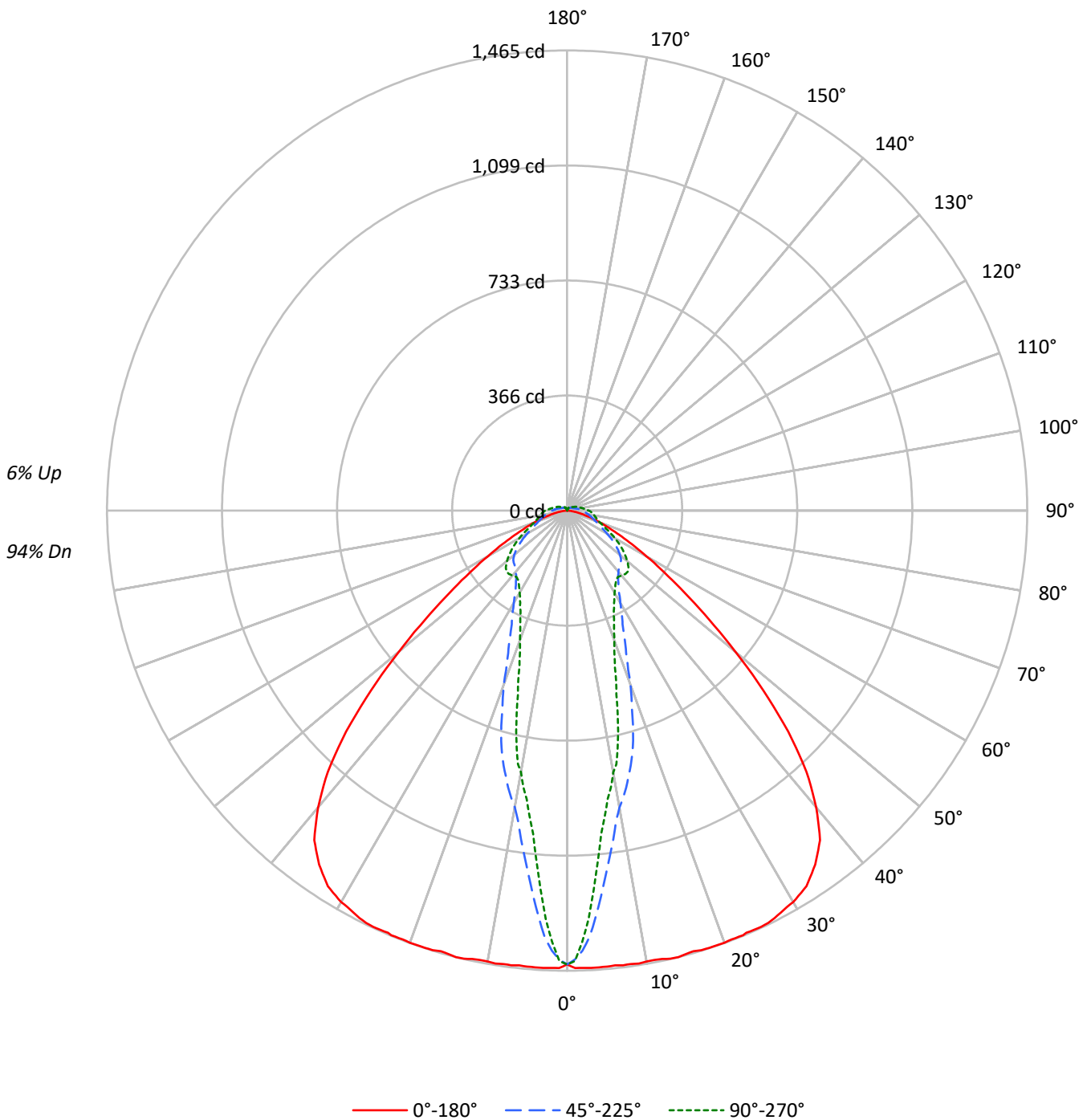
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1781.0 lumens
Efficiency: N/A
Efficacy: 148.4 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

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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	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°	31103	31103	31103
5°	31271	25484	22867
10°	31402	19195	16550
15°	31857	15656	11459
20°	32552	11305	8093
25°	33433	8082	6367
30°	34138	6444	5422
35°	34178	5441	4857
40°	32412	4934	4869
45°	27960	4757	5001
50°	21299	4515	4668
55°	15308	3938	4141
60°	10990	3276	3501
65°	7887	2762	2870
70°	5706	2431	2476
75°	3940	2242	2306
80°	2458	2088	2272
85°	1037	1980	2275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	6.4
10°-20°	246.7	13.9
20°-30°	282.4	15.9
30°-40°	282.9	15.9
40°-50°	267.8	15.0
50°-60°	205.4	11.5
60°-70°	132.4	7.4
70°-80°	84.4	4.7
80°-90°	56.1	3.1
90°-100°	37.7	2.1
100°-110°	24.8	1.4
110°-120°	17.3	1.0
120°-130°	12.0	0.7
130°-140°	8.4	0.5
140°-150°	5.1	0.3
150°-160°	2.6	0.1
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	642.8	36.1
0°-40°	925.7	52.0
0°-60°	1399.0	78.6
0°-90°	1671.9	93.9
90°-120°	79.8	4.5
90°-150°	105.3	5.9
90°-180°	109.0	6.1
0°-180°	1781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1458	1377	1234	1151	1120	139
15°	1461	1052	802	659	606	414
25°	1462	745	424	369	351	674
35°	1376	414	284	275	271	854
45°	995	262	239	265	274	756
55°	456	187	184	207	215	420
65°	182	118	116	132	137	188
75°	62	64	80	92	97	68
85°	8	29	57	74	79	11
90°	0	20	48	66	68	0
95°	0	15	39	54	57	0
105°	0	11	26	36	39	1
115°	1	9	19	26	28	1
125°	1	8	16	19	20	1
135°	1	6	13	16	16	1
145°	1	5	9	12	13	1
155°	1	3	6	8	9	0
165°	2	2	4	5	6	0
175°	2	2	2	2	1	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1444.8	1444.8	1444.8	1444.8	1444.8
1°	1456.7	1448.5	1429.3	1434.8	1433.9
2°	1456.7	1439.4	1401.9	1391.0	1374.6
3°	1457.6	1423.8	1360.0	1324.4	1301.5
4°	1457.6	1401.0	1297.9	1238.6	1209.4
5°	1457.6	1377.3	1234.0	1150.9	1119.9
6°	1455.8	1349.0	1169.2	1081.6	1035.0
7°	1458.5	1318.0	1110.8	1016.8	980.3
8°	1457.6	1281.5	1056.9	967.5	927.3
9°	1460.3	1245.9	998.5	920.9	890.8
10°	1457.6	1213.0	960.2	877.1	846.1
11°	1457.6	1181.1	932.8	848.8	822.4
12°	1459.4	1144.5	902.7	808.7	772.2
13°	1464.0	1107.1	868.0	764.9	722.0
14°	1464.9	1078.8	836.1	709.2	664.5
15°	1461.3	1052.4	802.3	659.0	606.0
16°	1459.4	1025.0	762.1	611.5	564.1
17°	1463.1	993.0	716.5	563.1	519.3
18°	1464.0	963.8	668.1	526.6	488.3
19°	1464.0	941.0	628.9	492.9	460.0
20°	1464.0	919.1	588.7	467.3	439.0
21°	1462.2	891.7	543.1	440.8	417.1
22.5°	1463.1	840.6	491.0	409.8	390.6
23°	1460.3	827.8	478.3	401.6	381.5
24°	1461.3	791.3	450.9	385.2	366.0
25°	1462.2	744.8	424.4	368.7	351.4
26°	1460.3	707.4	402.5	353.2	341.4
27°	1455.8	677.2	387.0	340.4	329.5
28°	1449.4	637.1	370.6	329.5	319.5
29°	1443.0	591.4	354.1	317.6	310.3
30°	1439.4	554.9	338.6	308.5	302.1
32.5°	1417.5	482.8	306.7	290.2	284.8
35°	1376.4	414.4	283.9	274.7	271.1
37.5°	1322.5	361.4	266.5	264.7	265.6
40°	1234.0	319.5	253.7	262.0	270.2
42.5°	1128.1	286.6	244.6	264.7	273.8
45°	994.9	262.0	239.1	264.7	273.8
47.5°	847.0	241.9	232.7	255.6	264.7
50°	699.1	223.6	220.0	241.9	250.1
52.5°	568.6	206.3	203.5	224.5	232.7
55°	456.4	187.1	184.4	207.2	215.4
57.5°	366.0	168.9	166.1	187.1	195.3
60°	292.1	150.6	146.0	167.0	175.2
62.5°	232.7	133.3	130.5	148.8	156.1
65°	182.5	117.7	115.9	132.3	136.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	144.2	103.1	104.0	117.7	123.2
70°	111.4	89.4	94.9	107.7	111.4
72.5°	84.0	75.8	87.6	98.6	103.1
75°	62.1	63.9	80.3	92.2	96.7
77.5°	42.9	52.9	73.9	86.7	91.3
80°	29.2	42.9	67.5	82.1	87.6
82.5°	17.3	35.6	62.1	77.6	84.0
85°	8.2	29.2	56.6	73.9	79.4
87.5°	2.7	23.7	51.1	70.3	74.8
90°	0.0	20.1	47.5	65.7	68.5
92.5°	0.0	17.3	42.9	60.2	62.1
95°	0.0	14.6	39.2	53.9	56.6
97.5°	0.0	13.7	36.5	48.4	52.0
100°	0.0	12.8	32.9	43.8	47.5
102.5°	0.0	11.0	29.2	39.2	42.9
105°	0.0	11.0	25.6	36.5	39.2
107.5°	0.9	10.0	23.7	32.9	36.5
110°	0.9	10.0	21.0	31.0	33.8
112.5°	0.9	10.0	20.1	28.3	31.9
115°	0.9	9.1	19.2	26.5	28.3
117.5°	0.9	9.1	18.3	23.7	25.6
120°	0.9	8.2	17.3	21.9	22.8
122.5°	0.9	8.2	16.4	20.1	21.0
125°	0.9	8.2	16.4	19.2	20.1
127.5°	0.9	7.3	15.5	18.3	18.3
130°	0.9	7.3	14.6	17.3	17.3
132.5°	0.9	6.4	13.7	16.4	17.3
135°	0.9	6.4	12.8	15.5	16.4
137.5°	0.9	5.5	11.9	14.6	15.5
140°	0.9	5.5	11.0	13.7	14.6
142.5°	0.9	4.6	10.0	12.8	13.7
145°	0.9	4.6	9.1	11.9	12.8
147.5°	0.9	4.6	8.2	11.0	11.9
150°	0.9	3.7	7.3	10.0	11.0
152.5°	0.9	3.7	6.4	9.1	10.0
155°	0.9	2.7	5.5	8.2	9.1
157.5°	0.9	2.7	5.5	7.3	8.2
160°	1.8	2.7	4.6	6.4	7.3
162.5°	0.9	1.8	4.6	5.5	6.4
165°	1.8	1.8	3.7	4.6	5.5
167.5°	1.8	1.8	2.7	3.7	4.6
170°	1.8	1.8	2.7	2.7	3.7
172.5°	1.8	1.8	1.8	2.7	1.8
175°	1.8	1.8	1.8	1.8	0.9
177.5°	1.8	1.8	1.8	1.8	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)