

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: P566101

Luminaire Tested: **4SNX-20SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566101  
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: 4SNX-20SL-LC-UNV-L950-CD  
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

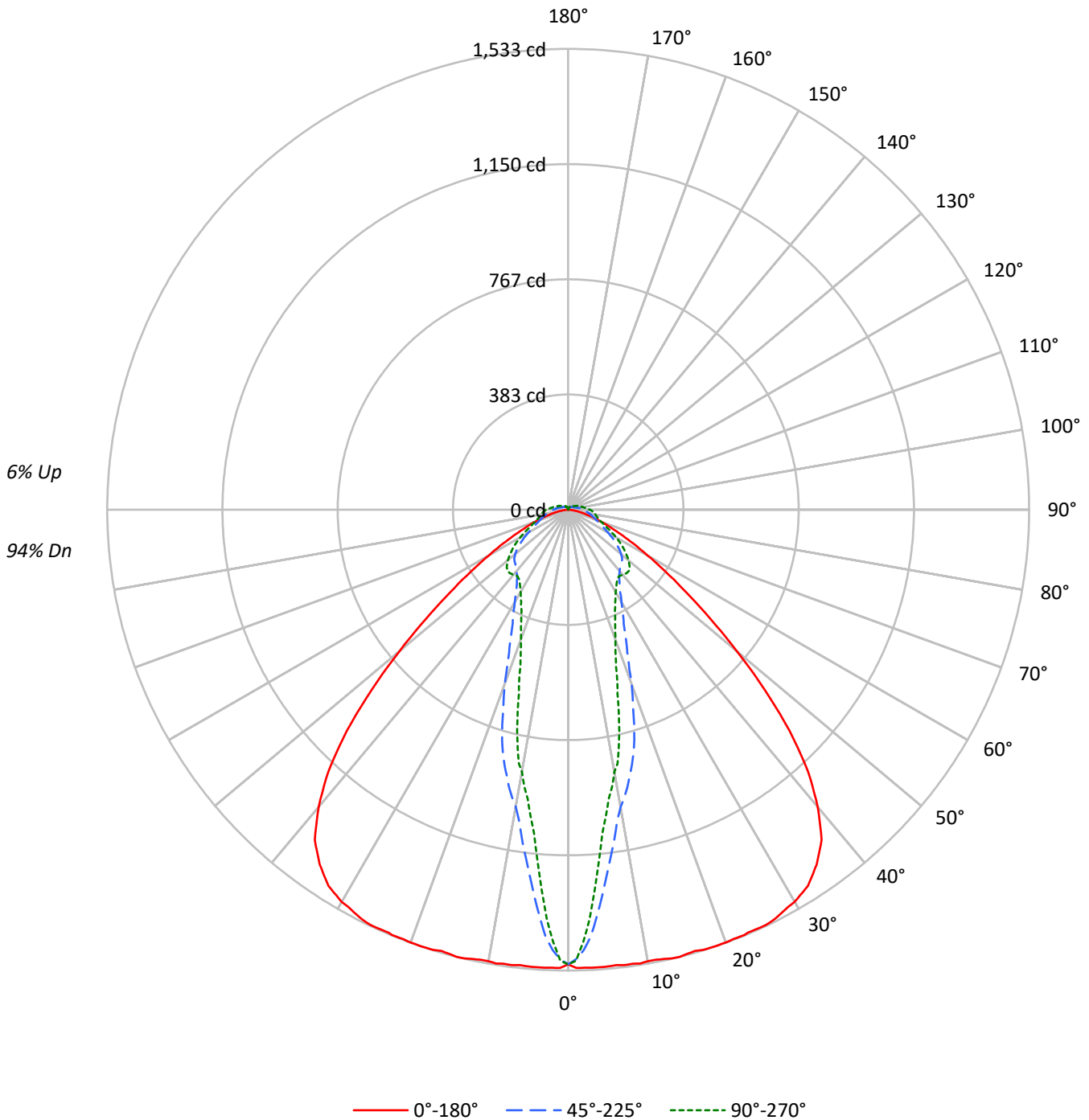
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1864.0 lumens  
Efficiency: N/A  
Efficacy: 154.1 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 12.1  
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	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°	16277	16277	16277
5°	16423	13369	11967
10°	16552	10092	8660
15°	16855	8250	5997
20°	17289	5969	4236
25°	17828	4277	3332
30°	18283	3417	2838
35°	18392	2890	2541
40°	17534	2628	2548
45°	15216	2539	2618
50°	11673	2414	2442
55°	8459	2111	2167
60°	6138	1761	1832
65°	4468	1490	1502
70°	3290	1315	1295
75°	2339	1219	1208
80°	1534	1141	1189
85°	719	1087	1191



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	6.4
10°-20°	258.2	13.9
20°-30°	295.6	15.9
30°-40°	296.1	15.9
40°-50°	280.3	15.0
50°-60°	215.0	11.5
60°-70°	138.6	7.4
70°-80°	88.4	4.7
80°-90°	58.7	3.1
90°-100°	39.4	2.1
100°-110°	26.0	1.4
110°-120°	18.1	1.0
120°-130°	12.6	0.7
130°-140°	8.8	0.5
140°-150°	5.4	0.3
150°-160°	2.7	0.1
160°-170°	1.0	0.1
170°-180°	0.2	0.0
0°-30°	672.8	36.1
0°-40°	968.9	52.0
0°-60°	1464.2	78.5
0°-90°	1749.8	93.9
90°-120°	83.5	4.5
90°-150°	110.3	5.9
90°-180°	114.0	6.1
0°-180°	1864.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1512	1512	1512	1512	1512	
5°	1526	1442	1292	1205	1172	146
15°	1529	1101	840	690	634	434
25°	1530	780	444	386	368	705
35°	1440	434	297	288	284	894
45°	1041	274	250	277	287	792
55°	478	196	193	217	225	439
65°	191	123	121	138	143	197
75°	65	67	84	96	101	71
85°	9	31	59	77	83	12
90°	0	21	50	69	72	0
95°	0	15	41	56	59	0
105°	0	12	27	38	41	1
115°	1	10	20	28	30	1
125°	1	9	17	20	21	1
135°	1	7	13	16	17	1
145°	1	5	10	12	13	1
155°	1	3	6	9	10	1
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°	1512.2	1512.2	1512.2	1512.2	1512.2
1°	1524.6	1516.0	1495.9	1501.7	1500.7
2°	1524.6	1506.4	1467.3	1455.8	1438.6
3°	1525.5	1490.2	1423.3	1386.1	1362.2
4°	1525.5	1466.3	1358.4	1296.3	1265.7
5°	1525.5	1441.5	1291.5	1204.6	1172.1
6°	1523.6	1411.9	1223.7	1132.0	1083.3
7°	1526.5	1379.4	1162.5	1064.2	1025.9
8°	1525.5	1341.2	1106.2	1012.6	970.5
9°	1528.4	1303.9	1045.0	963.9	932.3
10°	1525.5	1269.5	1004.9	918.0	885.5
11°	1525.5	1236.1	976.3	888.4	860.7
12°	1527.5	1197.9	944.7	846.4	808.1
13°	1532.2	1158.7	908.4	800.5	755.6
14°	1533.2	1129.1	875.0	742.2	695.4
15°	1529.4	1101.4	839.7	689.7	634.3
16°	1527.5	1072.8	797.6	640.0	590.3
17°	1531.3	1039.3	749.9	589.4	543.5
18°	1532.2	1008.7	699.2	551.2	511.1
19°	1532.2	984.9	658.2	515.8	481.4
20°	1532.2	961.9	616.1	489.1	459.5
21°	1530.3	933.3	568.4	461.4	436.6
22.5°	1531.3	879.8	513.9	428.9	408.8
23°	1528.4	866.4	500.6	420.3	399.3
24°	1529.4	828.2	471.9	403.1	383.1
25°	1530.3	779.5	444.2	385.9	367.8
26°	1528.4	740.3	421.3	369.7	357.3
27°	1523.6	708.8	405.0	356.3	344.8
28°	1516.9	666.8	387.8	344.8	334.3
29°	1510.3	619.0	370.6	332.4	324.8
30°	1506.4	580.8	354.4	322.9	316.2
32.5°	1483.5	505.3	321.0	303.8	298.0
35°	1440.5	433.7	297.1	287.5	283.7
37.5°	1384.2	378.3	278.9	277.0	278.0
40°	1291.5	334.3	265.6	274.2	282.8
42.5°	1180.7	299.9	256.0	277.0	286.6
45°	1041.2	274.2	250.3	277.0	286.6
47.5°	886.5	253.1	243.6	267.5	277.0
50°	731.7	234.0	230.2	253.1	261.7
52.5°	595.1	215.9	213.0	235.0	243.6
55°	477.6	195.8	193.0	216.8	225.4
57.5°	383.1	176.7	173.9	195.8	204.4
60°	305.7	157.6	152.8	174.8	183.4
62.5°	243.6	139.5	136.6	155.7	163.3
65°	191.1	123.2	121.3	138.5	143.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	150.9	107.9	108.9	123.2	129.0
70°	116.5	93.6	99.3	112.7	116.5
72.5°	87.9	79.3	91.7	103.2	107.9
75°	65.0	66.9	84.1	96.5	101.3
77.5°	44.9	55.4	77.4	90.7	95.5
80°	30.6	44.9	70.7	86.0	91.7
82.5°	18.1	37.3	65.0	81.2	87.9
85°	8.6	30.6	59.2	77.4	83.1
87.5°	2.9	24.8	53.5	73.6	78.3
90°	0.0	21.0	49.7	68.8	71.6
92.5°	0.0	18.1	44.9	63.0	65.0
95°	0.0	15.3	41.1	56.4	59.2
97.5°	0.0	14.3	38.2	50.6	54.4
100°	0.0	13.4	34.4	45.9	49.7
102.5°	0.0	11.5	30.6	41.1	44.9
105°	0.0	11.5	26.7	38.2	41.1
107.5°	1.0	10.5	24.8	34.4	38.2
110°	1.0	10.5	22.0	32.5	35.3
112.5°	1.0	10.5	21.0	29.6	33.4
115°	1.0	9.6	20.1	27.7	29.6
117.5°	1.0	9.6	19.1	24.8	26.7
120°	1.0	8.6	18.1	22.9	23.9
122.5°	1.0	8.6	17.2	21.0	22.0
125°	1.0	8.6	17.2	20.1	21.0
127.5°	1.0	7.6	16.2	19.1	19.1
130°	1.0	7.6	15.3	18.1	18.1
132.5°	1.0	6.7	14.3	17.2	18.1
135°	1.0	6.7	13.4	16.2	17.2
137.5°	1.0	5.7	12.4	15.3	16.2
140°	1.0	5.7	11.5	14.3	15.3
142.5°	1.0	4.8	10.5	13.4	14.3
145°	1.0	4.8	9.6	12.4	13.4
147.5°	1.0	4.8	8.6	11.5	12.4
150°	1.0	3.8	7.6	10.5	11.5
152.5°	1.0	3.8	6.7	9.6	10.5
155°	1.0	2.9	5.7	8.6	9.6
157.5°	1.0	2.9	5.7	7.6	8.6
160°	1.9	2.9	4.8	6.7	7.6
162.5°	1.0	1.9	4.8	5.7	6.7
165°	1.9	1.9	3.8	4.8	5.7
167.5°	1.9	1.9	2.9	3.8	4.8
170°	1.9	1.9	2.9	2.9	3.8
172.5°	1.9	1.9	1.9	2.9	1.9
175°	1.9	1.9	1.9	1.9	1.0
177.5°	1.9	1.9	1.9	1.9	1.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)