

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: P566300

Luminaire Tested: **4SNX-33SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566300  
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: 4SNX-33SL-LN-UNV-L940-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

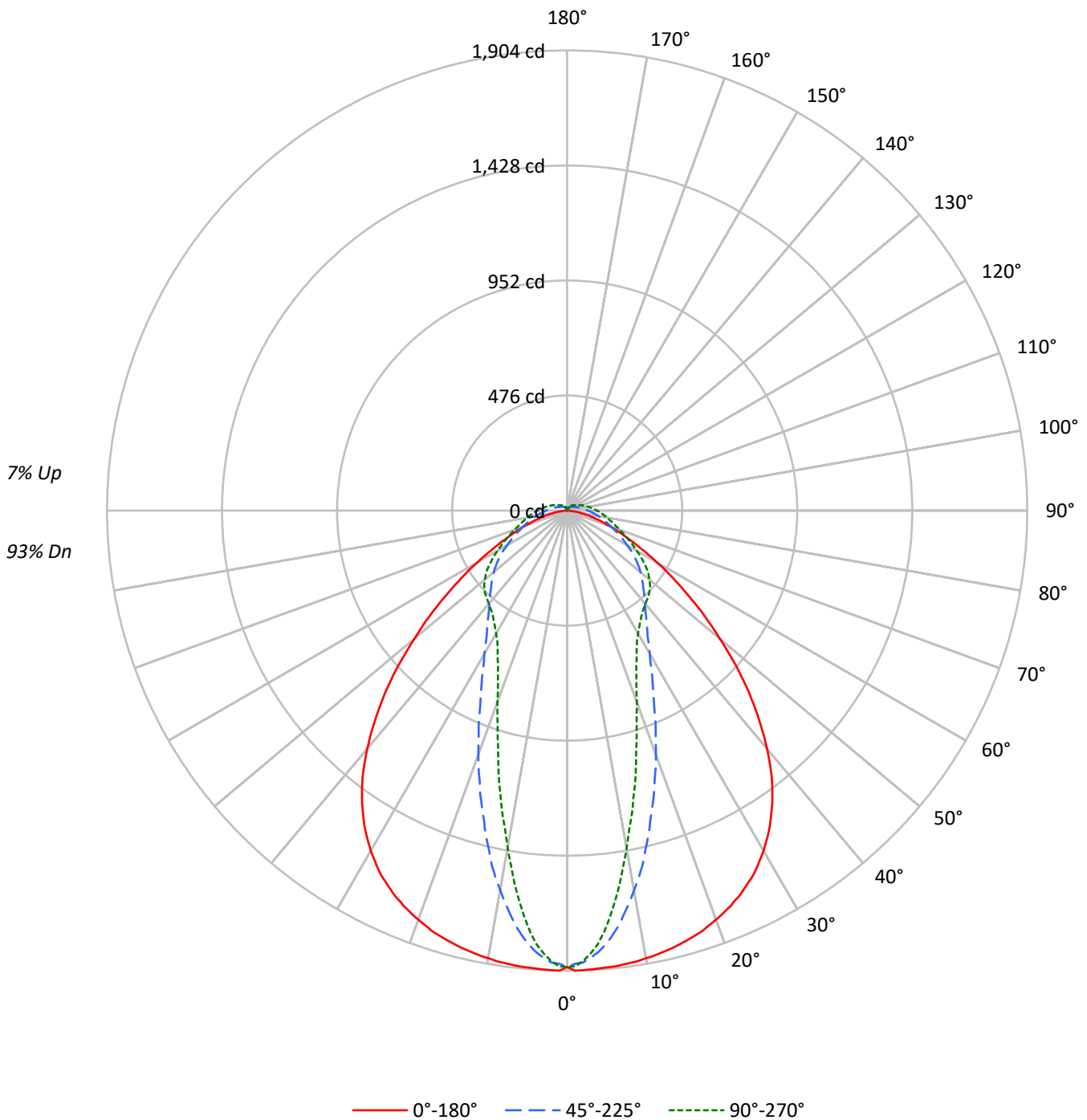
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3010.0 lumens  
Efficiency: N/A  
Efficacy: 142.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 21.1  
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

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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	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°	20326	20326	20326
5°	20430	18681	17877
10°	20403	16017	13870
15°	20392	13065	10395
20°	20327	10408	7780
25°	20142	8156	6174
30°	19720	6600	5266
35°	18893	5586	4791
40°	17476	4932	4534
45°	15537	4512	4394
50°	13162	4153	4152
55°	10813	3762	3791
60°	8648	3309	3326
65°	6713	2905	2894
70°	5213	2569	2560
75°	4031	2309	2332
80°	2848	2113	2168
85°	1581	1971	2079



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.2	5.6
10°-20°	392.0	13.0
20°-30°	465.3	15.5
30°-40°	468.1	15.6
40°-50°	435.1	14.5
50°-60°	358.3	11.9
60°-70°	252.5	8.4
70°-80°	164.9	5.5
80°-90°	105.3	3.5
90°-100°	69.1	2.3
100°-110°	46.9	1.6
110°-120°	32.1	1.1
120°-130°	22.2	0.7
130°-140°	15.0	0.5
140°-150°	9.2	0.3
150°-160°	4.8	0.2
160°-170°	1.7	0.1
170°-180°	0.3	0.0
0°-30°	1024.4	34.0
0°-40°	1492.5	49.6
0°-60°	2286.0	75.9
0°-90°	2808.7	93.3
90°-120°	148.1	4.9
90°-150°	194.5	6.5
90°-180°	201.0	6.7
0°-180°	3010.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1888	1888	1888	1888	1888	
5°	1898	1872	1805	1770	1751	181
15°	1850	1653	1330	1163	1100	523
25°	1729	1278	847	712	682	796
35°	1480	864	574	538	535	920
45°	1063	570	445	468	481	816
55°	610	374	344	382	394	551
65°	287	226	237	267	276	291
75°	112	117	159	188	196	121
85°	19	54	107	139	145	24
90°	0	36	87	118	123	1
95°	0	27	73	99	104	0
105°	0	19	49	69	76	0
115°	2	16	35	50	54	1
125°	2	13	28	36	39	1
135°	2	11	22	28	30	1
145°	2	8	16	22	24	1
155°	2	6	11	16	17	1
165°	2	3	6	8	10	0
175°	3	3	3	3	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1888.3	1888.3	1888.3	1888.3	1888.3
1°	1904.0	1896.2	1875.6	1889.8	1886.7
2°	1902.5	1894.6	1870.9	1877.2	1866.2
3°	1900.9	1889.8	1853.6	1852.0	1836.2
4°	1899.3	1882.0	1831.5	1812.5	1799.9
5°	1897.7	1872.5	1804.7	1770.0	1751.0
6°	1896.2	1861.4	1770.0	1717.9	1691.1
7°	1893.0	1844.1	1733.7	1662.7	1628.0
8°	1889.8	1828.3	1687.9	1602.7	1560.1
9°	1886.7	1807.8	1642.2	1538.1	1487.6
10°	1880.4	1787.3	1594.8	1471.8	1418.2
11°	1877.2	1763.6	1549.1	1408.7	1345.6
12°	1870.9	1738.4	1500.2	1342.4	1287.2
13°	1864.6	1711.6	1440.3	1285.7	1219.4
14°	1858.3	1683.2	1388.2	1222.6	1161.0
15°	1850.4	1653.2	1329.8	1162.6	1099.5
16°	1842.5	1618.5	1277.8	1101.1	1034.8
17°	1834.6	1585.4	1228.9	1044.3	984.4
18°	1825.2	1552.3	1172.1	989.1	930.7
19°	1812.5	1514.4	1126.3	938.6	885.0
20°	1801.5	1479.7	1074.3	891.3	844.0
21°	1788.9	1437.1	1022.2	847.1	799.8
22.5°	1770.0	1377.2	956.0	791.9	747.7
23°	1760.5	1359.8	929.1	771.4	733.5
24°	1747.9	1314.1	885.0	739.8	702.0
25°	1728.9	1277.8	847.1	711.5	681.5
26°	1711.6	1233.6	809.3	686.2	656.2
27°	1694.2	1191.0	776.1	659.4	634.2
28°	1672.1	1146.8	739.8	637.3	615.2
29°	1648.5	1105.8	709.9	618.4	601.0
30°	1624.8	1060.1	684.6	601.0	586.8
32.5°	1558.6	959.1	620.0	567.9	558.4
35°	1479.7	864.5	574.2	537.9	534.8
37.5°	1391.4	777.7	533.2	514.3	517.4
40°	1287.2	698.8	498.5	496.9	503.2
42.5°	1176.8	631.0	471.7	482.7	492.2
45°	1063.2	569.5	444.9	468.5	481.1
47.5°	944.9	515.8	421.2	451.2	465.4
50°	825.0	463.8	396.0	430.7	444.9
52.5°	717.8	418.0	370.7	407.0	422.8
55°	610.5	373.9	343.9	381.8	394.4
57.5°	517.4	332.9	315.5	353.4	362.8
60°	430.7	293.4	287.1	321.8	332.9
62.5°	351.8	258.7	260.3	293.4	304.5
65°	287.1	225.6	236.6	266.6	276.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	233.5	194.0	213.0	244.5	252.4
70°	184.6	165.6	194.0	222.4	230.3
72.5°	146.7	140.4	175.1	205.1	211.4
75°	112.0	116.7	159.3	187.7	195.6
77.5°	80.5	97.8	143.6	173.5	179.8
80°	56.8	80.5	130.9	160.9	167.2
82.5°	36.3	66.3	118.3	149.9	156.2
85°	18.9	53.6	107.3	138.8	145.1
87.5°	7.9	44.2	96.2	127.8	134.1
90°	0.0	36.3	86.8	118.3	123.0
92.5°	0.0	31.5	78.9	108.8	113.6
95°	0.0	26.8	72.6	99.4	104.1
97.5°	0.0	25.2	64.7	91.5	96.2
100°	0.0	22.1	58.4	83.6	89.9
102.5°	0.0	20.5	53.6	75.7	82.0
105°	0.0	18.9	48.9	69.4	75.7
107.5°	0.0	17.4	45.7	64.7	69.4
110°	0.0	17.4	41.0	59.9	64.7
112.5°	1.6	15.8	37.9	53.6	58.4
115°	1.6	15.8	34.7	50.5	53.6
117.5°	1.6	15.8	33.1	45.7	48.9
120°	1.6	14.2	31.5	42.6	45.7
122.5°	1.6	14.2	30.0	39.4	41.0
125°	1.6	12.6	28.4	36.3	39.4
127.5°	1.6	12.6	26.8	34.7	36.3
130°	1.6	12.6	25.2	31.5	34.7
132.5°	1.6	11.0	23.7	30.0	31.5
135°	1.6	11.0	22.1	28.4	30.0
137.5°	1.6	9.5	20.5	26.8	28.4
140°	1.6	9.5	18.9	25.2	26.8
142.5°	1.6	7.9	17.4	23.7	25.2
145°	1.6	7.9	15.8	22.1	23.7
147.5°	1.6	7.9	14.2	20.5	22.1
150°	1.6	6.3	12.6	18.9	20.5
152.5°	1.6	6.3	11.0	17.4	18.9
155°	1.6	6.3	11.0	15.8	17.4
157.5°	1.6	4.7	9.5	12.6	15.8
160°	1.6	4.7	7.9	11.0	14.2
162.5°	1.6	4.7	7.9	9.5	11.0
165°	1.6	3.2	6.3	7.9	9.5
167.5°	1.6	3.2	4.7	6.3	7.9
170°	1.6	3.2	4.7	4.7	6.3
172.5°	1.6	3.2	3.2	3.2	3.2
175°	3.2	3.2	3.2	3.2	1.6
177.5°	3.2	3.2	3.2	1.6	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)