

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: P567206

Luminaire Tested: **8SNX-114SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-114SL-FDL-UNV-L930-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

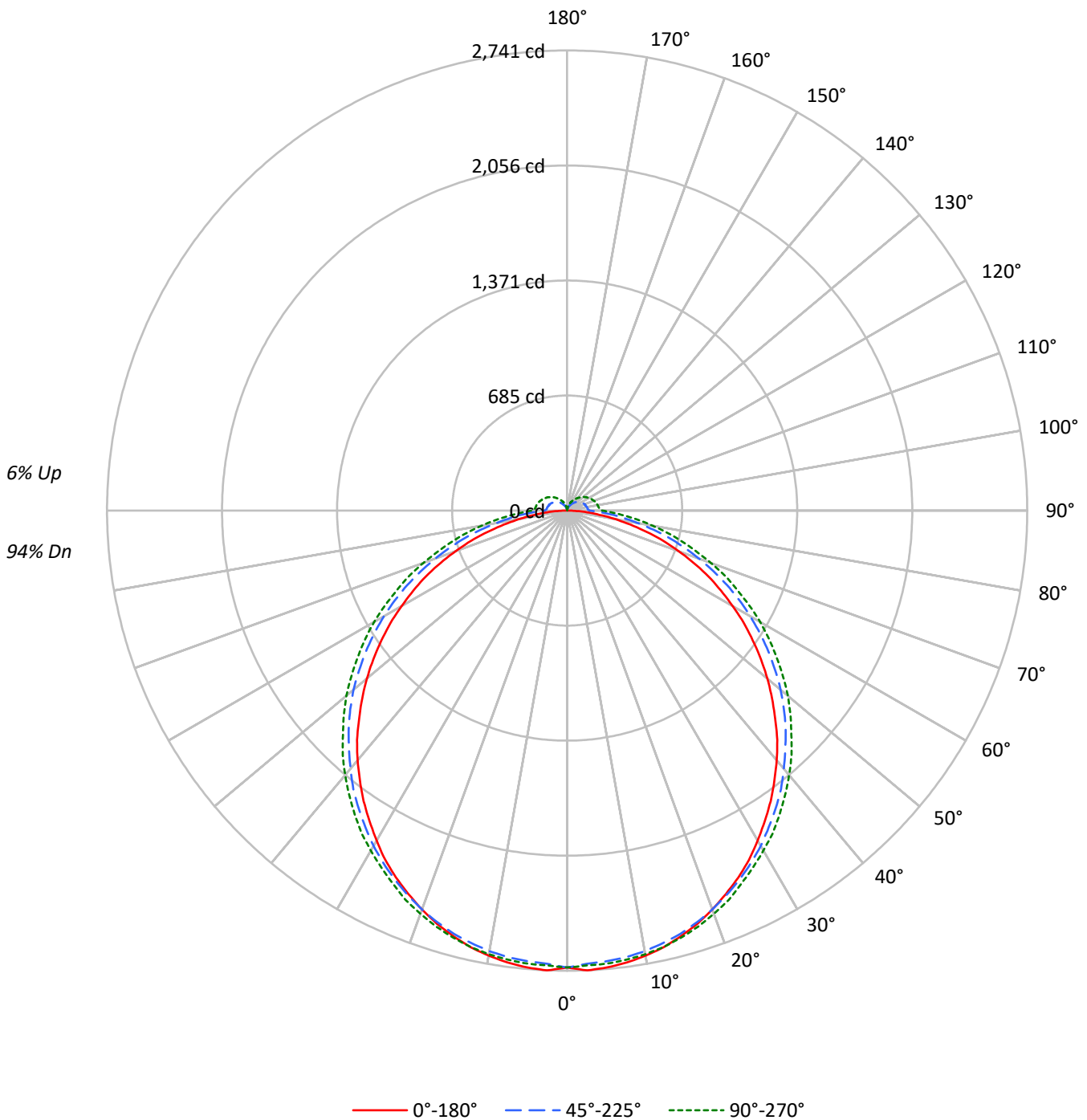
Lumens per Lamp: N/A  
Luminaire Lumens: 8648.1 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 79.4  
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	14646	14646	14646
5°	14753	14408	14426
10°	14700	14257	14244
15°	14597	14082	14041
20°	14454	13868	13802
25°	14289	13633	13518
30°	14062	13393	13257
35°	13835	13112	12984
40°	13584	12800	12677
45°	13266	12492	12319
50°	12960	12141	11992
55°	12580	11706	11537
60°	12155	11208	11091
65°	11708	10613	10474
70°	10929	9864	9835
75°	9997	8982	9070
80°	8622	7810	8223
85°	6965	6808	7227



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.1	3.0
10°-20°	740.6	8.6
20°-30°	1122.3	13.0
30°-40°	1354.9	15.7
40°-50°	1414.8	16.4
50°-60°	1299.8	15.0
60°-70°	1027.8	11.9
70°-80°	650.5	7.5
80°-90°	279.6	3.2
90°-100°	123.1	1.4
100°-110°	110.2	1.3
110°-120°	93.0	1.1
120°-130°	72.5	0.8
130°-140°	50.2	0.6
140°-150°	30.1	0.3
150°-160°	14.7	0.2
160°-170°	5.1	0.1
170°-180°	0.7	0.0
0°-30°	2121.0	24.5
0°-40°	3475.8	40.2
0°-60°	6190.4	71.6
0°-90°	8148.4	94.2
90°-120°	326.2	3.8
90°-150°	479.1	5.5
90°-180°	500.0	5.8
0°-180°	8648.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2721	2721	2721	2721	2721	
5°	2732	2724	2695	2718	2709	259
15°	2623	2623	2610	2637	2632	740
25°	2412	2423	2426	2458	2453	1111
35°	2113	2138	2166	2199	2207	1321
45°	1752	1795	1841	1876	1888	1353
55°	1351	1406	1464	1512	1522	1208
65°	930	982	1051	1100	1116	915
75°	490	548	628	682	708	519
85°	120	184	263	320	340	132
90°	8	66	135	188	208	10
95°	2	57	122	172	190	1
105°	2	52	115	161	178	2
115°	2	44	104	146	161	2
125°	3	40	87	126	139	3
135°	3	31	70	100	112	2
145°	3	23	49	75	83	2
155°	3	15	32	48	57	2
165°	5	11	17	23	32	1
175°	5	6	8	8	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2721.4	2721.4	2721.4	2721.4	2721.4
2.5°	2741.3	2732.1	2701.5	2722.9	2712.2
5°	2732.1	2724.4	2695.3	2718.3	2709.1
7.5°	2715.2	2709.1	2683.1	2707.6	2698.4
10°	2692.3	2687.7	2664.7	2689.2	2683.1
12.5°	2663.2	2661.6	2638.7	2666.2	2661.6
15°	2623.4	2623.4	2609.6	2637.1	2632.5
17.5°	2580.5	2582.0	2571.3	2600.4	2597.3
20°	2528.4	2536.1	2528.4	2559.0	2556.0
22.5°	2471.7	2482.5	2479.4	2510.0	2511.6
25°	2412.0	2422.7	2425.8	2458.0	2453.4
27.5°	2346.2	2363.0	2369.1	2398.2	2396.7
30°	2269.6	2292.6	2306.3	2330.8	2338.5
32.5°	2191.5	2219.1	2235.9	2269.6	2278.8
35°	2113.4	2137.9	2165.5	2199.1	2206.8
37.5°	2027.6	2055.2	2091.9	2124.1	2133.3
40°	1941.9	1972.5	2007.7	2042.9	2056.7
42.5°	1853.0	1885.2	1923.5	1964.8	1978.6
45°	1752.0	1794.8	1840.8	1876.0	1888.3
47.5°	1655.5	1703.0	1752.0	1790.2	1804.0
50°	1557.5	1608.0	1660.1	1695.3	1716.7
52.5°	1454.9	1510.0	1562.1	1606.5	1620.3
55°	1350.7	1405.9	1464.1	1511.5	1522.2
57.5°	1249.7	1303.3	1361.4	1405.9	1427.3
60°	1139.4	1197.6	1260.4	1304.8	1327.8
62.5°	1032.2	1088.9	1156.2	1203.7	1222.1
65°	929.6	981.7	1050.6	1099.6	1116.4
67.5°	816.3	876.0	941.8	998.5	1019.9
70°	704.5	761.1	836.2	889.8	911.2
72.5°	600.3	655.5	730.5	784.1	804.0
75°	490.1	548.3	627.9	681.5	707.5
77.5°	384.4	448.7	525.3	583.5	612.6
80°	286.4	343.0	425.7	490.1	516.1
82.5°	194.5	255.7	341.5	401.2	430.3
85°	119.5	183.8	263.4	320.1	340.0
87.5°	56.7	117.9	191.4	246.6	271.1
90°	7.7	65.9	134.8	188.4	208.3
92.5°	1.5	56.7	124.0	174.6	193.0
95°	1.5	56.7	122.5	171.5	189.9
97.5°	1.5	55.1	121.0	170.0	186.8
100°	1.5	53.6	119.5	166.9	185.3
102.5°	1.5	53.6	116.4	163.9	180.7
105°	1.5	52.1	114.9	160.8	177.6
107.5°	1.5	50.5	111.8	157.7	174.6
110°	1.5	47.5	110.3	153.1	170.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	45.9	107.2	150.1	165.4
115°	1.5	44.4	104.1	145.5	160.8
117.5°	1.5	42.9	99.5	140.9	156.2
120°	3.1	42.9	96.5	136.3	150.1
122.5°	3.1	41.3	91.9	130.2	144.0
125°	3.1	39.8	87.3	125.6	139.4
127.5°	3.1	38.3	82.7	119.5	131.7
130°	3.1	35.2	79.6	113.3	125.6
132.5°	3.1	33.7	75.0	105.7	117.9
135°	3.1	30.6	70.4	99.5	111.8
137.5°	3.1	29.1	65.9	93.4	104.1
140°	3.1	27.6	59.7	87.3	98.0
142.5°	3.1	24.5	55.1	81.2	90.4
145°	3.1	23.0	49.0	75.0	82.7
147.5°	3.1	19.9	44.4	68.9	76.6
150°	3.1	18.4	39.8	62.8	70.4
152.5°	3.1	16.8	35.2	55.1	62.8
155°	3.1	15.3	32.2	47.5	56.7
157.5°	3.1	13.8	27.6	41.3	50.5
160°	4.6	12.3	24.5	35.2	42.9
162.5°	4.6	10.7	19.9	29.1	38.3
165°	4.6	10.7	16.8	23.0	32.2
167.5°	4.6	9.2	13.8	18.4	26.0
170°	4.6	7.7	12.3	13.8	19.9
172.5°	4.6	6.1	9.2	9.2	10.7
175°	4.6	6.1	7.7	7.7	4.6
177.5°	4.6	4.6	4.6	4.6	3.1
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)