

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: P567245

Luminaire Tested: **8SNX-114SL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

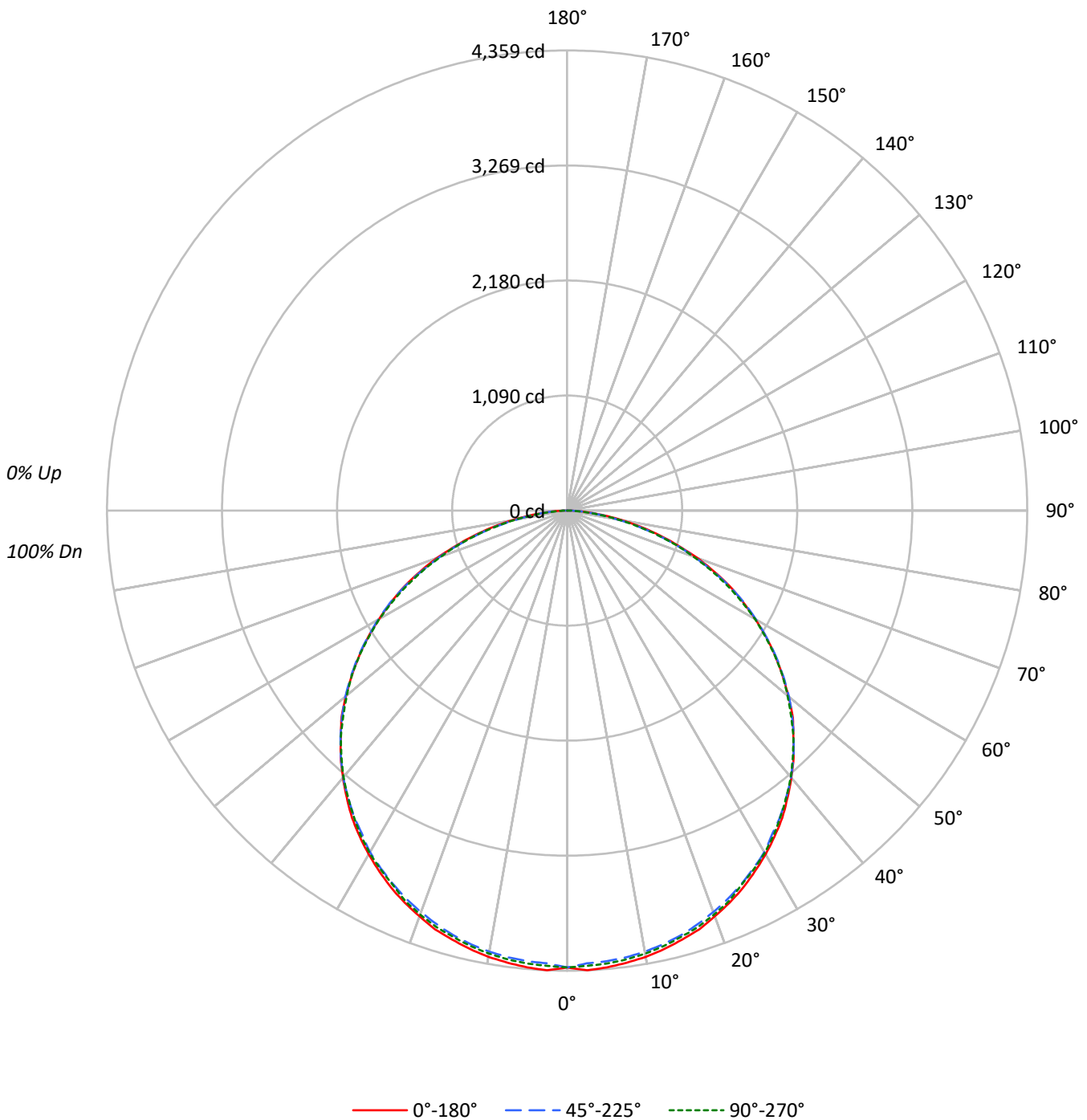
Test Method: LM-79-08  
Report Number: P567245  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-114SL-UNV-L850-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12940.0 lumens  
Efficiency: N/A  
Efficacy: 163.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	23292	23292	23292
5°	23465	23150	23276
10°	23460	23184	23290
15°	23441	23203	23290
20°	23427	23182	23316
25°	23412	23181	23227
30°	23364	23219	23267
35°	23346	23166	23192
40°	23214	23187	23159
45°	23076	23105	23076
50°	22908	22973	22810
55°	22605	22678	22568
60°	22161	22245	22119
65°	21708	21560	21262
70°	20639	20209	19966
75°	18856	18210	18291
80°	16284	15078	15441
85°	12258	11776	10572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.6	3.2
10°-20°	1183.0	9.1
20°-30°	1810.1	14.0
30°-40°	2213.2	17.1
40°-50°	2341.1	18.1
50°-60°	2157.1	16.7
60°-70°	1662.2	12.8
70°-80°	931.3	7.2
80°-90°	231.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3403.6	26.3
0°-40°	5616.8	43.4
0°-60°	10115.0	78.2
0°-90°	12940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12940.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4328	4328	4328	4328	4328	
5°	4343	4328	4285	4328	4308	413
15°	4207	4199	4164	4199	4180	1189
25°	3942	3935	3904	3935	3911	1817
35°	3553	3546	3526	3538	3530	2220
45°	3032	3044	3036	3032	3032	2342
55°	2409	2428	2417	2417	2405	2151
65°	1705	1705	1693	1650	1670	1677
75°	907	895	876	844	880	961
85°	198	187	191	191	171	245
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4327.8	4327.8	4327.8	4327.8	4327.8
2.5°	4358.9	4339.4	4292.7	4335.6	4316.1
5°	4343.3	4327.8	4285.0	4327.8	4308.3
7.5°	4320.0	4308.3	4269.4	4308.3	4288.9
10°	4292.7	4281.1	4242.2	4281.1	4261.6
12.5°	4253.8	4246.0	4207.1	4246.0	4226.6
15°	4207.1	4199.3	4164.3	4199.3	4179.9
17.5°	4160.4	4144.9	4109.8	4148.7	4133.2
20°	4090.4	4082.6	4047.6	4082.6	4070.9
22.5°	4020.3	4012.5	3981.4	4012.5	4004.7
25°	3942.5	3934.7	3903.6	3934.7	3911.3
27.5°	3853.0	3856.9	3821.8	3841.3	3829.6
30°	3759.6	3759.6	3736.2	3744.0	3744.0
32.5°	3658.4	3658.4	3623.3	3646.7	3642.8
35°	3553.3	3545.5	3526.0	3537.7	3529.9
37.5°	3428.7	3424.9	3413.2	3421.0	3413.2
40°	3304.2	3308.1	3300.3	3296.4	3296.4
42.5°	3175.8	3183.6	3171.9	3168.0	3164.1
45°	3031.8	3043.5	3035.7	3031.8	3031.8
47.5°	2899.5	2903.3	2891.7	2887.8	2876.1
50°	2736.0	2751.6	2743.8	2736.0	2724.3
52.5°	2572.5	2595.9	2580.3	2572.5	2572.5
55°	2409.1	2428.5	2416.9	2416.9	2405.2
57.5°	2237.8	2257.3	2241.7	2241.7	2226.2
60°	2058.8	2078.3	2066.6	2054.9	2054.9
62.5°	1879.8	1895.3	1891.5	1872.0	1860.3
65°	1704.6	1704.6	1693.0	1650.2	1669.6
67.5°	1506.2	1502.3	1486.7	1443.9	1471.1
70°	1311.6	1311.6	1284.3	1233.7	1268.8
72.5°	1101.4	1113.1	1078.1	1043.0	1078.1
75°	906.8	895.1	875.7	844.5	879.6
77.5°	720.0	700.5	677.2	661.6	681.1
80°	525.4	513.7	486.5	486.5	498.2
82.5°	358.1	346.4	326.9	330.8	315.2
85°	198.5	186.8	190.7	190.7	171.2
87.5°	81.7	81.7	81.7	73.9	66.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)