

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: P567217

Luminaire Tested: **8SNX-114SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567217  
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: 8SNX-114SL-LC-UNV-L950-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

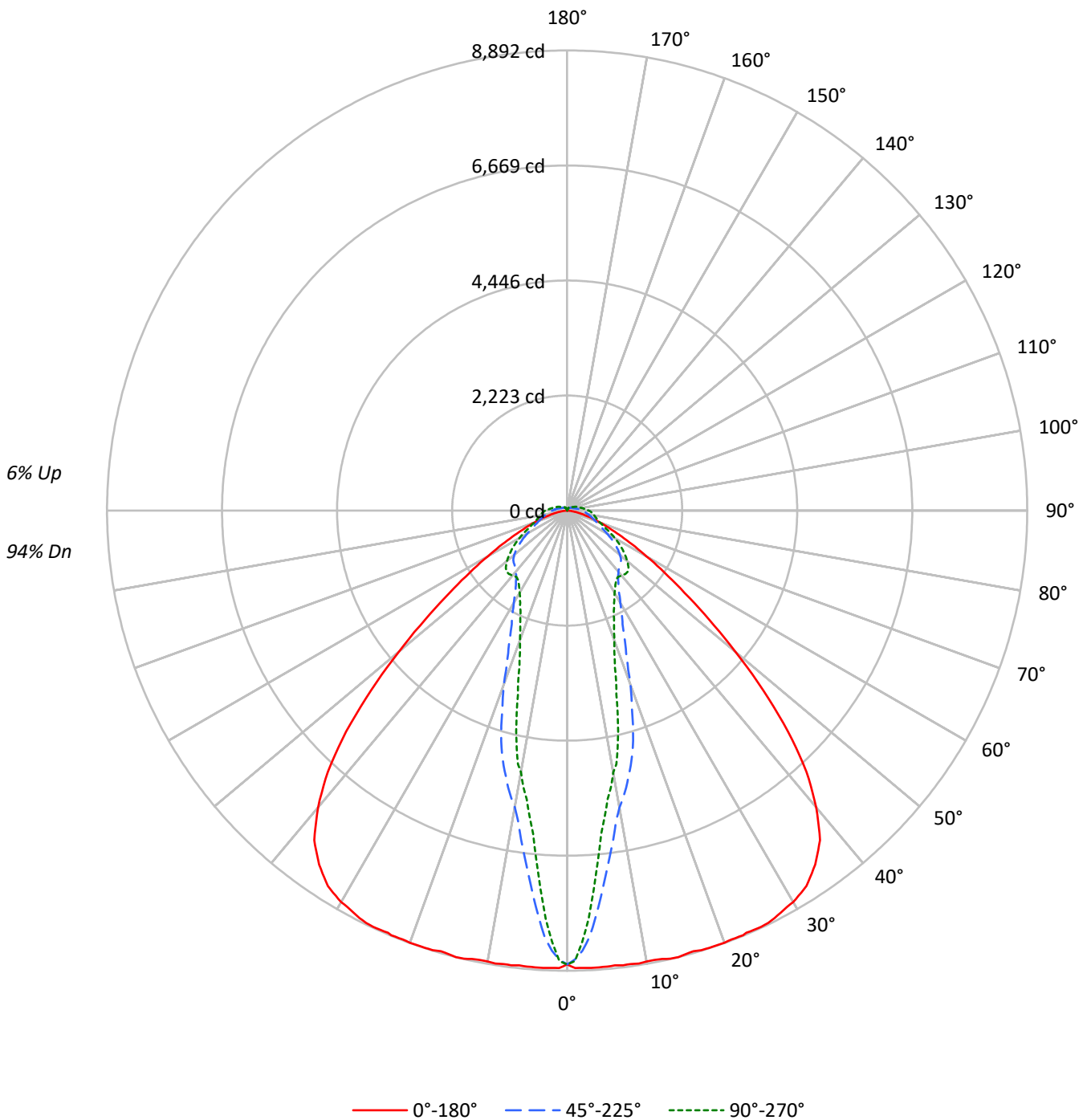
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10810.0 lumens  
Efficiency: N/A  
Efficacy: 136.1 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
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

TEST NUMBER: P567217  
CATALOG NUMBER: 8SNX-114SL-LC-UNV-L950-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567217

CATALOG NUMBER: 8SNX-114SL-LC-UNV-L950-CD

**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°	47198	47198	47198
5°	47710	38813	34699
10°	48173	29335	25113
15°	49144	24005	17390
20°	50510	17388	12282
25°	52195	12470	9662
30°	53647	9973	8228
35°	54099	8445	7370
40°	51717	7685	7388
45°	45022	7433	7590
50°	34669	7078	7082
55°	25239	6198	6284
60°	18418	5180	5314
65°	13507	4387	4356
70°	10060	3881	3756
75°	7268	3602	3501
80°	4914	3381	3448
85°	2489	3235	3453



TEST NUMBER: P567217

CATALOG NUMBER: 8SNX-114SL-LC-UNV-L950-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	689.7	6.4
10°-20°	1497.6	13.9
20°-30°	1714.3	15.9
30°-40°	1717.3	15.9
40°-50°	1625.7	15.0
50°-60°	1246.8	11.5
60°-70°	803.6	7.4
70°-80°	512.5	4.7
80°-90°	340.3	3.1
90°-100°	228.8	2.1
100°-110°	150.7	1.4
110°-120°	104.8	1.0
120°-130°	73.1	0.7
130°-140°	50.8	0.5
140°-150°	31.1	0.3
150°-160°	15.8	0.1
160°-170°	6.1	0.1
170°-180°	1.2	0.0
0°-30°	3901.5	36.1
0°-40°	5618.9	52.0
0°-60°	8491.3	78.6
0°-90°	10147.7	93.9
90°-120°	484.3	4.5
90°-150°	639.3	5.9
90°-180°	662.0	6.1
0°-180°	10810.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8770	8770	8770	8770	8770	
5°	8847	8360	7490	6986	6797	845
15°	8869	6388	4870	4000	3678	2516
25°	8875	4520	2576	2238	2133	4091
35°	8354	2515	1723	1668	1645	5183
45°	6038	1590	1451	1607	1662	4591
55°	2770	1136	1119	1258	1307	2547
65°	1108	715	704	803	831	1140
75°	377	388	488	560	587	414
85°	50	177	344	449	482	69
90°	0	122	288	399	416	2
95°	0	89	238	327	344	0
105°	0	66	155	222	238	4
115°	6	55	116	161	172	5
125°	6	50	100	116	122	5
135°	6	39	78	94	100	4
145°	6	28	55	72	78	3
155°	6	17	33	50	55	3
165°	11	11	22	28	33	3
175°	11	11	11	11	6	1
180°	11	11	11	11	11	



TEST NUMBER: P567217

CATALOG NUMBER: 8SNX-114SL-LC-UNV-L950-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8769.6	8769.6	8769.6	8769.6	8769.6
1°	8841.6	8791.8	8675.4	8708.7	8703.1
2°	8841.6	8736.4	8509.2	8442.7	8343.0
3°	8847.2	8642.2	8254.4	8038.3	7899.8
4°	8847.2	8503.7	7877.7	7517.6	7340.3
5°	8847.2	8359.6	7489.9	6985.8	6797.4
6°	8836.1	8187.9	7096.6	6564.7	6282.2
7°	8852.7	7999.6	6742.0	6171.4	5949.8
8°	8847.2	7778.0	6415.2	5872.3	5628.5
9°	8863.8	7561.9	6060.6	5589.7	5406.9
10°	8847.2	7362.5	5827.9	5323.8	5135.4
11°	8847.2	7168.6	5661.7	5152.1	4991.4
12°	8858.2	6947.0	5478.9	4908.3	4686.7
13°	8885.9	6719.8	5268.4	4642.4	4382.0
14°	8891.5	6548.1	5074.5	4304.5	4033.0
15°	8869.3	6387.5	4869.5	3999.8	3678.5
16°	8858.2	6221.3	4625.8	3711.7	3423.6
17°	8880.4	6027.4	4348.8	3418.1	3152.2
18°	8885.9	5850.1	4055.2	3196.5	2963.8
19°	8885.9	5711.6	3817.0	2991.5	2792.1
20°	8885.9	5578.6	3573.2	2836.4	2664.7
21°	8874.9	5412.4	3296.2	2675.8	2531.7
22.5°	8880.4	5102.2	2980.4	2487.4	2371.1
23°	8863.8	5024.7	2902.9	2437.5	2315.7
24°	8869.3	4803.1	2736.7	2337.8	2221.5
25°	8874.9	4520.5	2576.0	2238.1	2132.8
26°	8863.8	4293.4	2443.1	2143.9	2071.9
27°	8836.1	4110.6	2348.9	2066.4	1999.9
28°	8797.3	3866.8	2249.2	1999.9	1939.0
29°	8758.5	3589.8	2149.5	1927.9	1883.6
30°	8736.4	3368.2	2055.3	1872.5	1833.7
32.5°	8603.4	2930.6	1861.4	1761.7	1728.4
35°	8354.1	2515.1	1722.9	1667.5	1645.3
37.5°	8027.3	2193.8	1617.6	1606.6	1612.1
40°	7489.9	1939.0	1540.1	1589.9	1639.8
42.5°	6847.3	1739.5	1484.7	1606.6	1662.0
45°	6038.4	1589.9	1451.4	1606.6	1662.0
47.5°	5141.0	1468.1	1412.7	1551.2	1606.6
50°	4243.5	1357.3	1335.1	1468.1	1517.9
52.5°	3451.3	1252.0	1235.4	1362.8	1412.7
55°	2769.9	1135.7	1119.1	1257.5	1307.4
57.5°	2221.5	1024.9	1008.3	1135.7	1185.5
60°	1772.8	914.1	886.4	1013.8	1063.7
62.5°	1412.7	808.8	792.2	903.0	947.3
65°	1108.0	714.6	703.6	803.3	831.0



TEST NUMBER: P567217

CATALOG NUMBER: 8SNX-114SL-LC-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	875.3	626.0	631.5	714.6	747.9
70°	675.9	542.9	576.1	653.7	675.9
72.5°	509.7	459.8	531.8	598.3	626.0
75°	376.7	387.8	487.5	559.5	587.2
77.5°	260.4	321.3	448.7	526.3	554.0
80°	177.3	260.4	409.9	498.6	531.8
82.5°	105.3	216.1	376.7	470.9	509.7
85°	49.9	177.3	343.5	448.7	482.0
87.5°	16.6	144.0	310.2	426.6	454.3
90°	0.0	121.9	288.1	398.9	415.5
92.5°	0.0	105.3	260.4	365.6	376.7
95°	0.0	88.6	238.2	326.9	343.5
97.5°	0.0	83.1	221.6	293.6	315.8
100°	0.0	77.6	199.4	265.9	288.1
102.5°	0.0	66.5	177.3	238.2	260.4
105°	0.0	66.5	155.1	221.6	238.2
107.5°	5.5	60.9	144.0	199.4	221.6
110°	5.5	60.9	127.4	188.4	205.0
112.5°	5.5	60.9	121.9	171.7	193.9
115°	5.5	55.4	116.3	160.7	171.7
117.5°	5.5	55.4	110.8	144.0	155.1
120°	5.5	49.9	105.3	133.0	138.5
122.5°	5.5	49.9	99.7	121.9	127.4
125°	5.5	49.9	99.7	116.3	121.9
127.5°	5.5	44.3	94.2	110.8	110.8
130°	5.5	44.3	88.6	105.3	105.3
132.5°	5.5	38.8	83.1	99.7	105.3
135°	5.5	38.8	77.6	94.2	99.7
137.5°	5.5	33.2	72.0	88.6	94.2
140°	5.5	33.2	66.5	83.1	88.6
142.5°	5.5	27.7	60.9	77.6	83.1
145°	5.5	27.7	55.4	72.0	77.6
147.5°	5.5	27.7	49.9	66.5	72.0
150°	5.5	22.2	44.3	60.9	66.5
152.5°	5.5	22.2	38.8	55.4	60.9
155°	5.5	16.6	33.2	49.9	55.4
157.5°	5.5	16.6	33.2	44.3	49.9
160°	11.1	16.6	27.7	38.8	44.3
162.5°	5.5	11.1	27.7	33.2	38.8
165°	11.1	11.1	22.2	27.7	33.2
167.5°	11.1	11.1	16.6	22.2	27.7
170°	11.1	11.1	16.6	16.6	22.2
172.5°	11.1	11.1	11.1	16.6	11.1
175°	11.1	11.1	11.1	11.1	5.5
177.5°	11.1	11.1	11.1	11.1	5.5



TEST NUMBER: P567217

CATALOG NUMBER: 8SNX-114SL-LC-UNV-L950-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	11.1	11.1	11.1	11.1	11.1

(END OF REPORT)