

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: P567238

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567238  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-114SL-SLW-UNV-L930-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

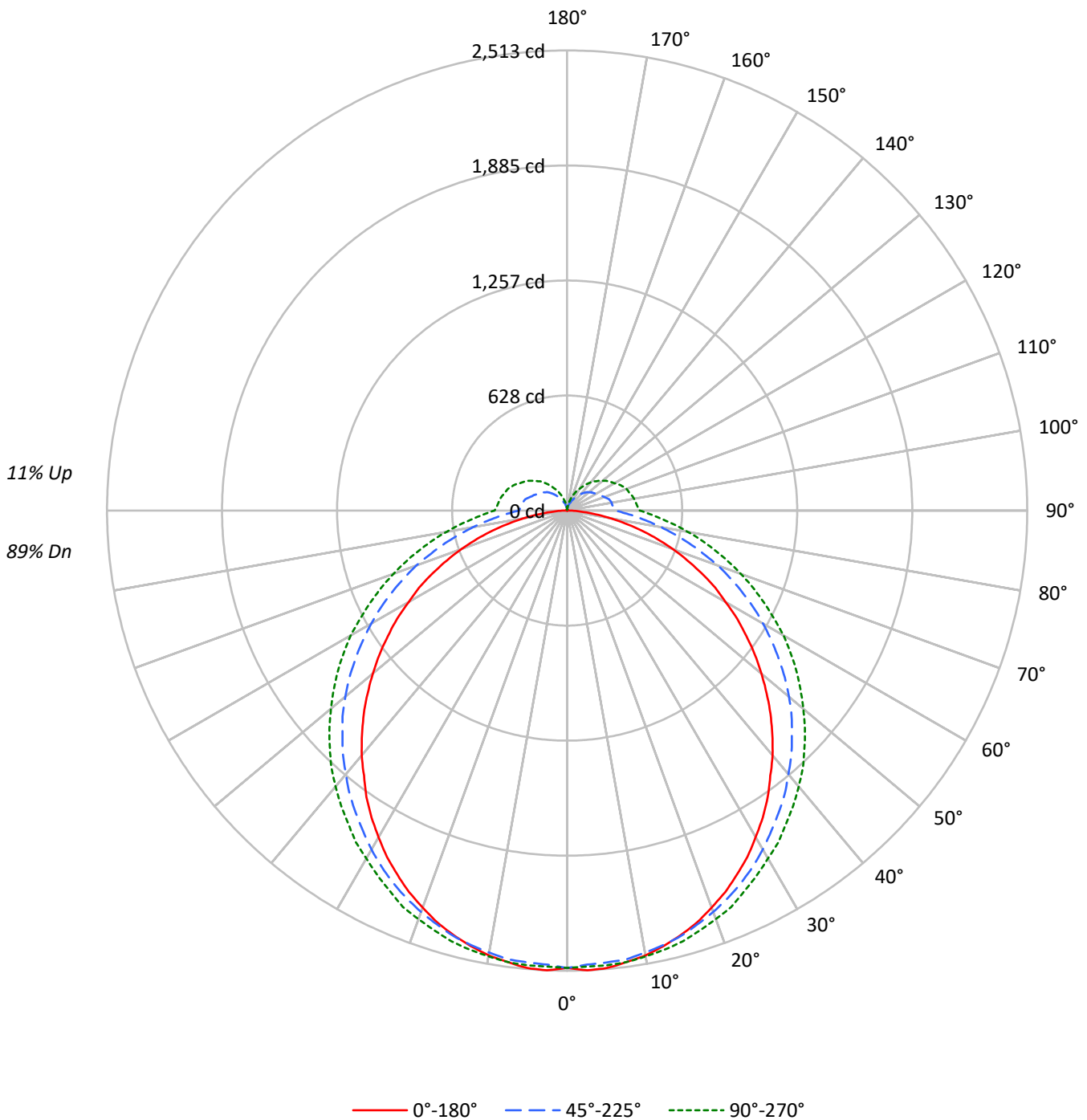
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8890.9 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

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

	0°	45°	90°
0°	13441	13441	13441
5°	13536	13104	13085
10°	13455	12847	12761
15°	13334	12583	12463
20°	13163	12278	12130
25°	12964	11980	11783
30°	12725	11652	11440
35°	12462	11312	11118
40°	12159	10976	10809
45°	11831	10634	10475
50°	11456	10273	10102
55°	11046	9838	9735
60°	10563	9373	9326
65°	10072	8849	8810
70°	9376	8273	8306
75°	8454	7538	7747
80°	6934	6793	7197
85°	5117	6162	6631



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.2	2.7
10°-20°	681.8	7.7
20°-30°	1036.8	11.7
30°-40°	1258.5	14.2
40°-50°	1329.9	15.0
50°-60°	1244.5	14.0
60°-70°	1021.1	11.5
70°-80°	702.3	7.9
80°-90°	384.6	4.3
90°-100°	247.7	2.8
100°-110°	222.2	2.5
110°-120°	183.9	2.1
120°-130°	141.6	1.6
130°-140°	99.5	1.1
140°-150°	60.0	0.7
150°-160°	28.7	0.3
160°-170°	9.4	0.1
170°-180°	1.1	0.0
0°-30°	1955.8	22.0
0°-40°	3214.4	36.2
0°-60°	5788.7	65.1
0°-90°	7896.7	88.8
90°-120°	653.8	7.4
90°-150°	955.0	10.7
90°-180°	994.0	11.2
0°-180°	8890.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2498	2498	2498	2498	2498	
5°	2508	2503	2477	2498	2492	238
15°	2400	2410	2405	2436	2436	677
25°	2194	2219	2245	2292	2292	1011
35°	1910	1957	2014	2070	2086	1193
45°	1571	1643	1735	1813	1833	1211
55°	1195	1292	1411	1498	1529	1069
65°	808	917	1056	1154	1184	801
75°	422	536	690	798	834	445
85°	93	221	376	479	515	107
90°	0	124	263	360	396	6
95°	0	118	252	345	381	0
105°	0	98	237	324	355	3
115°	5	88	201	288	324	5
125°	5	72	170	247	278	5
135°	5	57	139	201	227	4
145°	5	41	98	154	170	3
155°	5	26	62	98	113	2
165°	5	15	31	46	57	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2497.5	2497.5	2497.5	2497.5	2497.5
2.5°	2513.0	2507.8	2482.1	2502.7	2492.4
5°	2507.8	2502.7	2476.9	2497.5	2492.4
7.5°	2487.2	2487.2	2471.8	2492.4	2487.2
10°	2466.6	2466.6	2451.2	2476.9	2471.8
12.5°	2435.7	2440.9	2430.6	2461.5	2456.3
15°	2399.7	2410.0	2404.8	2435.7	2435.7
17.5°	2358.5	2368.8	2368.8	2404.8	2404.8
20°	2307.0	2322.4	2332.7	2373.9	2373.9
22.5°	2255.5	2276.1	2291.5	2327.6	2343.0
25°	2193.7	2219.4	2245.2	2291.5	2291.5
27.5°	2131.9	2162.8	2193.7	2240.0	2245.2
30°	2059.8	2095.8	2137.0	2183.4	2193.7
32.5°	1987.7	2034.0	2075.2	2131.9	2147.3
35°	1910.5	1956.8	2013.5	2070.1	2085.5
37.5°	1822.9	1879.6	1951.7	2013.5	2028.9
40°	1745.7	1807.5	1879.6	1951.7	1967.1
42.5°	1658.1	1725.1	1812.6	1879.6	1905.3
45°	1570.6	1642.7	1735.4	1812.6	1833.2
47.5°	1477.9	1560.3	1663.3	1735.4	1761.1
50°	1385.2	1472.8	1580.9	1663.3	1683.9
52.5°	1292.5	1385.2	1498.5	1580.9	1606.6
55°	1194.7	1292.5	1411.0	1498.5	1529.4
57.5°	1102.0	1199.8	1323.4	1416.1	1447.0
60°	999.0	1112.3	1235.9	1328.6	1364.6
62.5°	911.5	1014.4	1148.3	1241.0	1271.9
65°	808.5	916.6	1055.6	1153.5	1184.4
67.5°	710.6	823.9	963.0	1065.9	1096.8
70°	612.8	726.1	875.4	973.3	1009.3
72.5°	514.9	633.4	777.6	885.7	921.8
75°	422.3	535.5	690.0	798.2	834.2
77.5°	324.4	448.0	602.5	710.6	751.8
80°	236.9	365.6	520.1	628.2	669.4
82.5°	159.6	288.4	442.9	551.0	592.2
85°	92.7	221.4	375.9	478.9	514.9
87.5°	46.3	169.9	314.1	417.1	453.2
90°	0.0	123.6	262.6	360.5	396.5
92.5°	0.0	118.4	257.5	350.2	386.2
95°	0.0	118.4	252.3	345.0	381.1
97.5°	0.0	113.3	247.2	345.0	375.9
100°	0.0	108.1	247.2	339.9	370.8
102.5°	0.0	103.0	242.0	334.7	365.6
105°	0.0	97.8	236.9	324.4	355.3
107.5°	5.1	97.8	226.6	319.3	350.2
110°	5.1	92.7	216.3	314.1	345.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	87.5	206.0	303.8	334.7
115°	5.1	87.5	200.8	288.4	324.4
117.5°	5.1	82.4	190.5	278.1	314.1
120°	5.1	82.4	185.4	267.8	298.7
122.5°	5.1	77.2	175.1	257.5	288.4
125°	5.1	72.1	169.9	247.2	278.1
127.5°	5.1	66.9	164.8	236.9	267.8
130°	5.1	61.8	154.5	226.6	252.3
132.5°	5.1	61.8	149.3	211.1	242.0
135°	5.1	56.6	139.0	200.8	226.6
137.5°	5.1	51.5	128.7	190.5	216.3
140°	5.1	46.3	118.4	180.2	200.8
142.5°	5.1	46.3	108.1	164.8	185.4
145°	5.1	41.2	97.8	154.5	169.9
147.5°	5.1	36.0	87.5	139.0	154.5
150°	5.1	36.0	77.2	123.6	139.0
152.5°	5.1	30.9	66.9	113.3	128.7
155°	5.1	25.7	61.8	97.8	113.3
157.5°	5.1	25.7	51.5	82.4	97.8
160°	5.1	20.6	46.3	66.9	82.4
162.5°	5.1	20.6	41.2	56.6	72.1
165°	5.1	15.4	30.9	46.3	56.6
167.5°	5.1	15.4	25.7	36.0	46.3
170°	5.1	10.3	20.6	25.7	36.0
172.5°	5.1	10.3	15.4	15.4	15.4
175°	5.1	5.1	10.3	10.3	5.1
177.5°	5.1	5.1	5.1	5.1	5.1
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)