

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: P567209

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567209
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-L950-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

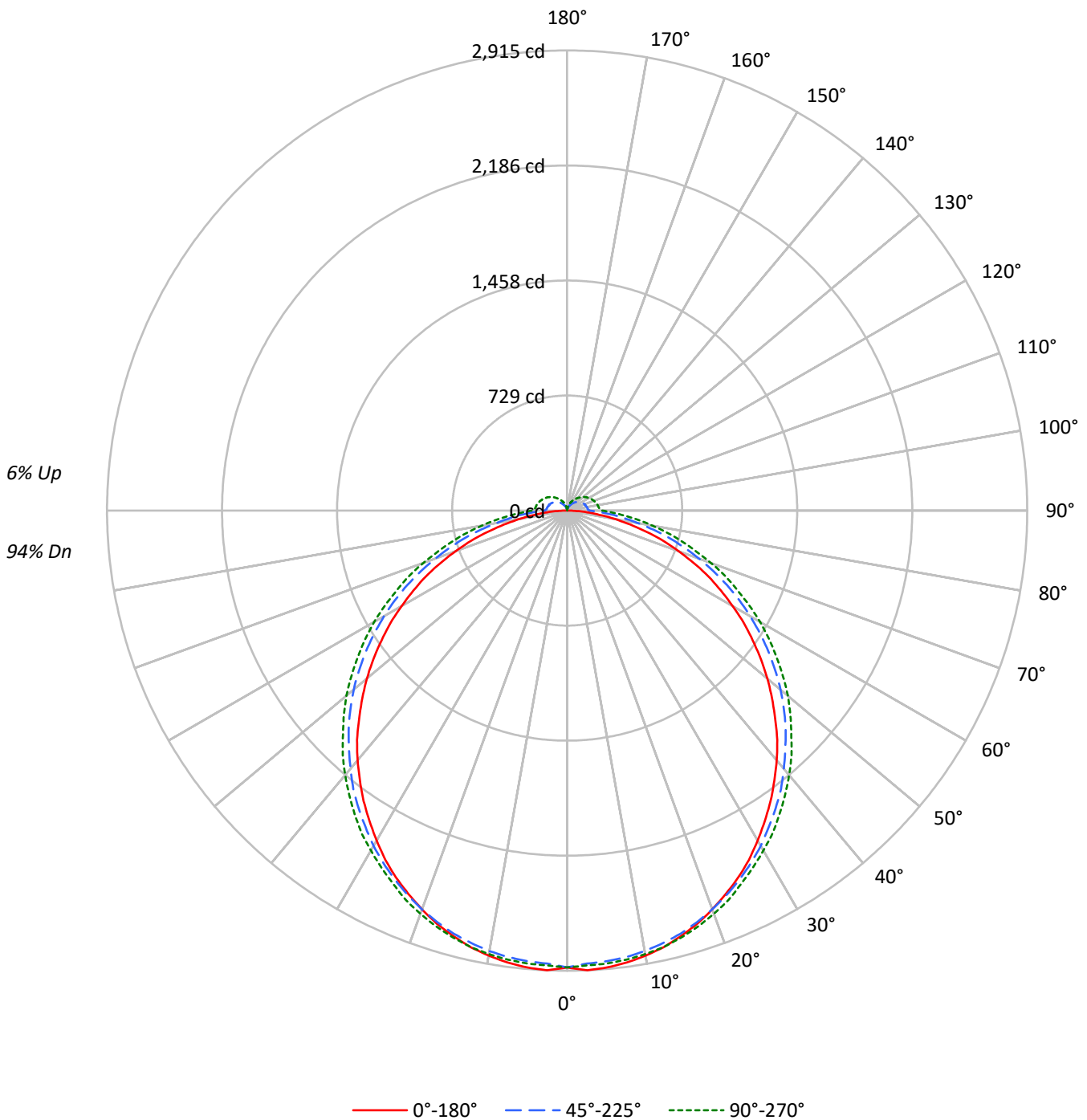
Lumens per Lamp: N/A
Luminaire Lumens: 9196.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 79.4
Input Voltage (V): NR
Input Current (A_{in}): 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°	15574	15574	15574
5°	15688	15321	15340
10°	15631	15161	15147
15°	15521	14974	14931
20°	15369	14746	14676
25°	15194	14496	14375
30°	14953	14242	14097
35°	14711	13943	13806
40°	14444	13611	13480
45°	14106	13284	13099
50°	13782	12911	12752
55°	13378	12447	12268
60°	12925	11917	11793
65°	12449	11285	11138
70°	11621	10488	10458
75°	10629	9552	9646
80°	9167	8306	8744
85°	7402	7240	7684



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.4	3.0
10°-20°	787.5	8.6
20°-30°	1193.4	13.0
30°-40°	1440.7	15.7
40°-50°	1504.5	16.4
50°-60°	1382.1	15.0
60°-70°	1093.0	11.9
70°-80°	691.7	7.5
80°-90°	297.3	3.2
90°-100°	130.9	1.4
100°-110°	117.1	1.3
110°-120°	98.9	1.1
120°-130°	77.1	0.8
130°-140°	53.4	0.6
140°-150°	32.0	0.3
150°-160°	15.6	0.2
160°-170°	5.4	0.1
170°-180°	0.8	0.0
0°-30°	2255.4	24.5
0°-40°	3696.1	40.2
0°-60°	6582.7	71.6
0°-90°	8664.7	94.2
90°-120°	346.9	3.8
90°-150°	509.4	5.5
90°-180°	531.0	5.8
0°-180°	9196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2894	2894	2894	2894	2894	
5°	2905	2897	2866	2891	2881	276
15°	2790	2790	2775	2804	2799	787
25°	2565	2576	2580	2614	2609	1181
35°	2247	2273	2303	2338	2347	1405
45°	1863	1909	1957	1995	2008	1439
55°	1436	1495	1557	1607	1619	1285
65°	988	1044	1117	1169	1187	973
75°	521	583	668	725	752	552
85°	127	195	280	340	362	140
90°	8	70	143	200	222	11
95°	2	60	130	182	202	1
105°	2	55	122	171	189	2
115°	2	47	111	155	171	2
125°	3	42	93	134	148	3
135°	3	33	75	106	119	3
145°	3	24	52	80	88	2
155°	3	16	34	50	60	2
165°	5	11	18	24	34	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°	2893.8	2893.8	2893.8	2893.8	2893.8
2.5°	2915.0	2905.2	2872.6	2895.4	2884.0
5°	2905.2	2897.1	2866.1	2890.6	2880.8
7.5°	2887.3	2880.8	2853.1	2879.2	2869.4
10°	2862.9	2858.0	2833.6	2859.6	2853.1
12.5°	2831.9	2830.3	2805.9	2835.2	2830.3
15°	2789.6	2789.6	2774.9	2804.2	2799.4
17.5°	2744.0	2745.6	2734.2	2765.2	2761.9
20°	2688.6	2696.8	2688.6	2721.2	2717.9
22.5°	2628.4	2639.8	2636.5	2669.1	2670.7
25°	2564.9	2576.3	2579.5	2613.7	2608.8
27.5°	2494.8	2512.7	2519.3	2550.2	2548.6
30°	2413.4	2437.8	2452.5	2478.5	2486.7
32.5°	2330.4	2359.7	2377.6	2413.4	2423.2
35°	2247.3	2273.4	2302.7	2338.5	2346.6
37.5°	2156.1	2185.4	2224.5	2258.7	2268.5
40°	2064.9	2097.5	2134.9	2172.4	2187.0
42.5°	1970.5	2004.7	2045.4	2089.3	2104.0
45°	1863.0	1908.6	1957.4	1994.9	2007.9
47.5°	1760.4	1810.9	1863.0	1903.7	1918.3
50°	1656.2	1709.9	1765.3	1802.7	1825.5
52.5°	1547.1	1605.7	1661.0	1708.3	1722.9
55°	1436.3	1494.9	1556.8	1607.3	1618.7
57.5°	1328.8	1385.8	1447.7	1494.9	1517.7
60°	1211.6	1273.5	1340.2	1387.5	1411.9
62.5°	1097.6	1157.8	1229.5	1280.0	1299.5
65°	988.5	1043.9	1117.1	1169.2	1187.2
67.5°	868.0	931.5	1001.5	1061.8	1084.6
70°	749.1	809.4	889.1	946.1	968.9
72.5°	638.4	697.0	776.8	833.8	855.0
75°	521.1	583.0	667.7	724.7	752.4
77.5°	408.7	477.1	558.6	620.5	651.4
80°	304.5	364.8	452.7	521.1	548.8
82.5°	206.8	272.0	363.2	426.7	457.6
85°	127.0	195.4	280.1	340.4	361.5
87.5°	60.3	125.4	203.6	262.2	288.2
90°	8.1	70.0	143.3	200.3	221.5
92.5°	1.6	60.3	131.9	185.6	205.2
95°	1.6	60.3	130.3	182.4	201.9
97.5°	1.6	58.6	128.6	180.8	198.7
100°	1.6	57.0	127.0	177.5	197.0
102.5°	1.6	57.0	123.8	174.2	192.2
105°	1.6	55.4	122.1	171.0	188.9
107.5°	1.6	53.7	118.9	167.7	185.6
110°	1.6	50.5	117.3	162.8	180.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	48.9	114.0	159.6	175.9
115°	1.6	47.2	110.7	154.7	171.0
117.5°	1.6	45.6	105.9	149.8	166.1
120°	3.3	45.6	102.6	144.9	159.6
122.5°	3.3	44.0	97.7	138.4	153.1
125°	3.3	42.3	92.8	133.5	148.2
127.5°	3.3	40.7	87.9	127.0	140.0
130°	3.3	37.5	84.7	120.5	133.5
132.5°	3.3	35.8	79.8	112.4	125.4
135°	3.3	32.6	74.9	105.9	118.9
137.5°	3.3	30.9	70.0	99.3	110.7
140°	3.3	29.3	63.5	92.8	104.2
142.5°	3.3	26.1	58.6	86.3	96.1
145°	3.3	24.4	52.1	79.8	87.9
147.5°	3.3	21.2	47.2	73.3	81.4
150°	3.3	19.5	42.3	66.8	74.9
152.5°	3.3	17.9	37.5	58.6	66.8
155°	3.3	16.3	34.2	50.5	60.3
157.5°	3.3	14.7	29.3	44.0	53.7
160°	4.9	13.0	26.1	37.5	45.6
162.5°	4.9	11.4	21.2	30.9	40.7
165°	4.9	11.4	17.9	24.4	34.2
167.5°	4.9	9.8	14.7	19.5	27.7
170°	4.9	8.1	13.0	14.7	21.2
172.5°	4.9	6.5	9.8	9.8	11.4
175°	4.9	6.5	8.1	8.1	4.9
177.5°	4.9	4.9	4.9	4.9	3.3
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)