

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: P567207

Luminaire Tested: **8SNX-114SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567207
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-L935-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

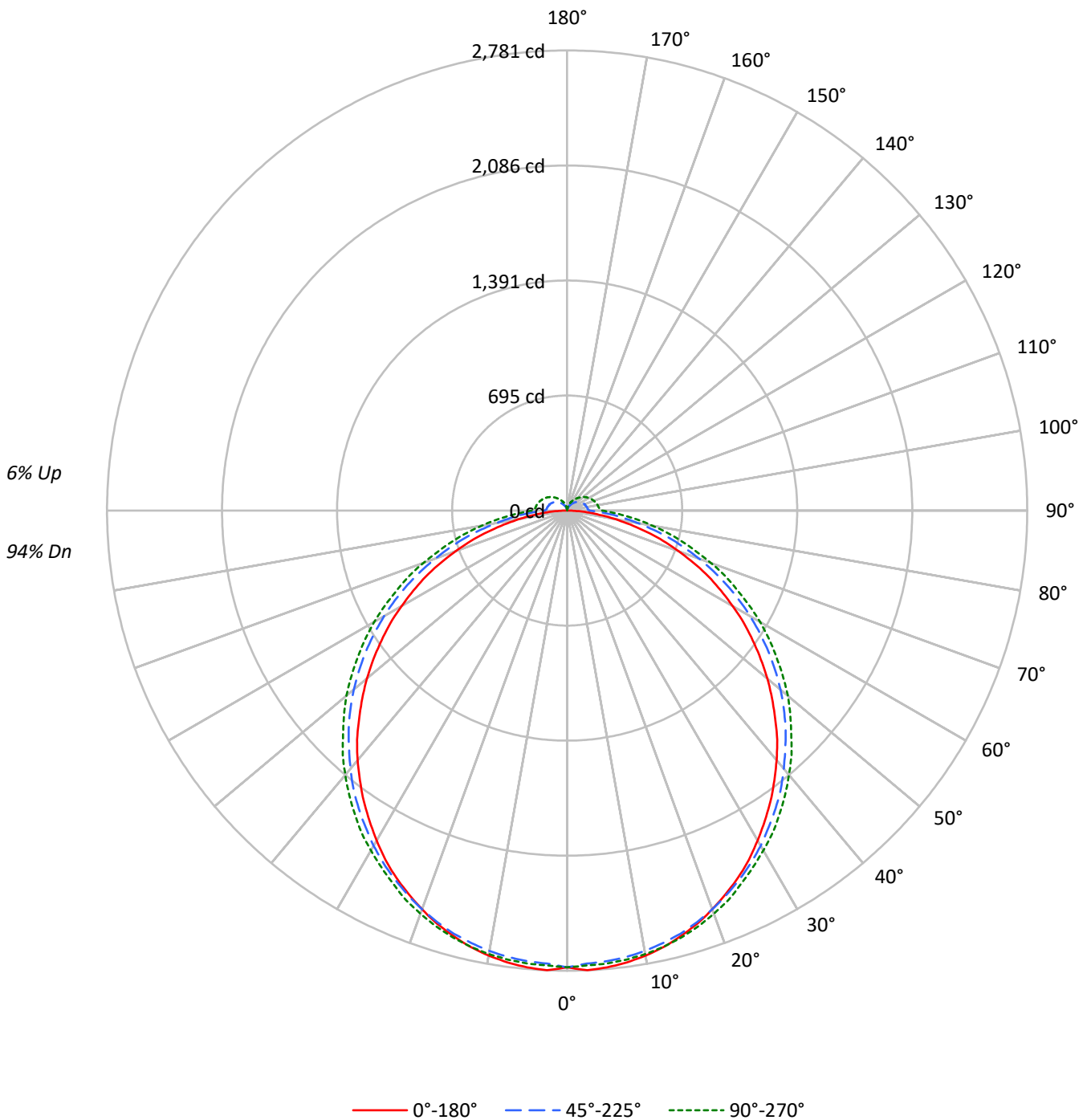
Lumens per Lamp: N/A
Luminaire Lumens: 8772.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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°	14856	14856	14856
5°	14965	14615	14633
10°	14911	14461	14448
15°	14806	14283	14242
20°	14661	14067	14000
25°	14494	13828	13712
30°	14264	13585	13447
35°	14033	13300	13170
40°	13778	12984	12859
45°	13456	12672	12495
50°	13146	12315	12164
55°	12761	11873	11703
60°	12329	11368	11249
65°	11875	10765	10624
70°	11086	10006	9976
75°	10140	9111	9201
80°	8745	7922	8341
85°	7064	6906	7331



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.8	3.0
10°-20°	751.2	8.6
20°-30°	1138.4	13.0
30°-40°	1374.3	15.7
40°-50°	1435.1	16.4
50°-60°	1318.4	15.0
60°-70°	1042.6	11.9
70°-80°	659.8	7.5
80°-90°	283.6	3.2
90°-100°	124.8	1.4
100°-110°	111.7	1.3
110°-120°	94.4	1.1
120°-130°	73.6	0.8
130°-140°	50.9	0.6
140°-150°	30.6	0.3
150°-160°	14.9	0.2
160°-170°	5.2	0.1
170°-180°	0.8	0.0
0°-30°	2151.4	24.5
0°-40°	3525.7	40.2
0°-60°	6279.2	71.6
0°-90°	8265.2	94.2
90°-120°	330.9	3.8
90°-150°	486.0	5.5
90°-180°	507.0	5.8
0°-180°	8772.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2760	2760	2760	2760	2760	
5°	2771	2764	2734	2757	2748	263
15°	2661	2661	2647	2675	2670	751
25°	2447	2458	2461	2493	2488	1127
35°	2144	2168	2196	2231	2238	1340
45°	1777	1821	1867	1903	1915	1373
55°	1370	1426	1485	1533	1544	1226
65°	943	996	1066	1115	1132	929
75°	497	556	637	691	718	527
85°	121	186	267	325	345	134
90°	8	67	137	191	211	10
95°	2	58	124	174	193	1
105°	2	53	116	163	180	2
115°	2	45	106	148	163	2
125°	3	40	88	127	141	3
135°	3	31	72	101	113	2
145°	3	23	50	76	84	2
155°	3	16	33	48	58	2
165°	5	11	17	23	33	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°	2760.4	2760.4	2760.4	2760.4	2760.4
2.5°	2780.6	2771.3	2740.2	2761.9	2751.1
5°	2771.3	2763.5	2734.0	2757.3	2748.0
7.5°	2754.2	2748.0	2721.5	2746.4	2737.1
10°	2730.9	2726.2	2702.9	2727.8	2721.5
12.5°	2701.4	2699.8	2676.5	2704.5	2699.8
15°	2661.0	2661.0	2647.0	2674.9	2670.3
17.5°	2617.5	2619.0	2608.2	2637.7	2634.6
20°	2564.7	2572.4	2564.7	2595.7	2592.6
22.5°	2507.2	2518.1	2514.9	2546.0	2547.6
25°	2446.6	2457.5	2460.6	2493.2	2488.5
27.5°	2379.8	2396.9	2403.1	2432.6	2431.1
30°	2302.1	2325.4	2339.4	2364.3	2372.0
32.5°	2222.9	2250.9	2268.0	2302.1	2311.5
35°	2143.7	2168.5	2196.5	2230.7	2238.4
37.5°	2056.7	2084.7	2121.9	2154.6	2163.9
40°	1969.7	2000.8	2036.5	2072.2	2086.2
42.5°	1879.6	1912.2	1951.1	1993.0	2007.0
45°	1777.1	1820.6	1867.2	1902.9	1915.3
47.5°	1679.2	1727.4	1777.1	1815.9	1829.9
50°	1579.8	1631.1	1683.9	1719.6	1741.4
52.5°	1475.7	1531.6	1584.5	1629.5	1643.5
55°	1370.1	1426.0	1485.0	1533.2	1544.1
57.5°	1267.6	1321.9	1381.0	1426.0	1447.8
60°	1155.7	1214.8	1278.4	1323.5	1346.8
62.5°	1047.0	1104.5	1172.8	1221.0	1239.6
65°	942.9	995.7	1065.6	1115.3	1132.4
67.5°	828.0	888.5	955.3	1012.8	1034.6
70°	714.6	772.0	848.2	902.5	924.3
72.5°	608.9	664.9	741.0	795.3	815.5
75°	497.1	556.1	636.9	691.3	717.7
77.5°	389.9	455.1	532.8	591.8	621.4
80°	290.5	348.0	431.8	497.1	523.5
82.5°	197.3	259.4	346.4	407.0	436.5
85°	121.2	186.4	267.2	324.7	344.9
87.5°	57.5	119.6	194.2	250.1	275.0
90°	7.8	66.8	136.7	191.1	211.3
92.5°	1.6	57.5	125.8	177.1	195.7
95°	1.6	57.5	124.3	174.0	192.6
97.5°	1.6	55.9	122.7	172.4	189.5
100°	1.6	54.4	121.2	169.3	188.0
102.5°	1.6	54.4	118.1	166.2	183.3
105°	1.6	52.8	116.5	163.1	180.2
107.5°	1.6	51.3	113.4	160.0	177.1
110°	1.6	48.2	111.8	155.3	172.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	46.6	108.7	152.2	167.8
115°	1.6	45.0	105.6	147.6	163.1
117.5°	1.6	43.5	101.0	142.9	158.4
120°	3.1	43.5	97.9	138.3	152.2
122.5°	3.1	41.9	93.2	132.0	146.0
125°	3.1	40.4	88.5	127.4	141.4
127.5°	3.1	38.8	83.9	121.2	133.6
130°	3.1	35.7	80.8	115.0	127.4
132.5°	3.1	34.2	76.1	107.2	119.6
135°	3.1	31.1	71.5	101.0	113.4
137.5°	3.1	29.5	66.8	94.8	105.6
140°	3.1	28.0	60.6	88.5	99.4
142.5°	3.1	24.9	55.9	82.3	91.7
145°	3.1	23.3	49.7	76.1	83.9
147.5°	3.1	20.2	45.0	69.9	77.7
150°	3.1	18.6	40.4	63.7	71.5
152.5°	3.1	17.1	35.7	55.9	63.7
155°	3.1	15.5	32.6	48.2	57.5
157.5°	3.1	14.0	28.0	41.9	51.3
160°	4.7	12.4	24.9	35.7	43.5
162.5°	4.7	10.9	20.2	29.5	38.8
165°	4.7	10.9	17.1	23.3	32.6
167.5°	4.7	9.3	14.0	18.6	26.4
170°	4.7	7.8	12.4	14.0	20.2
172.5°	4.7	6.2	9.3	9.3	10.9
175°	4.7	6.2	7.8	7.8	4.7
177.5°	4.7	4.7	4.7	4.7	3.1
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)