

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: P567205

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567205
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-L850-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

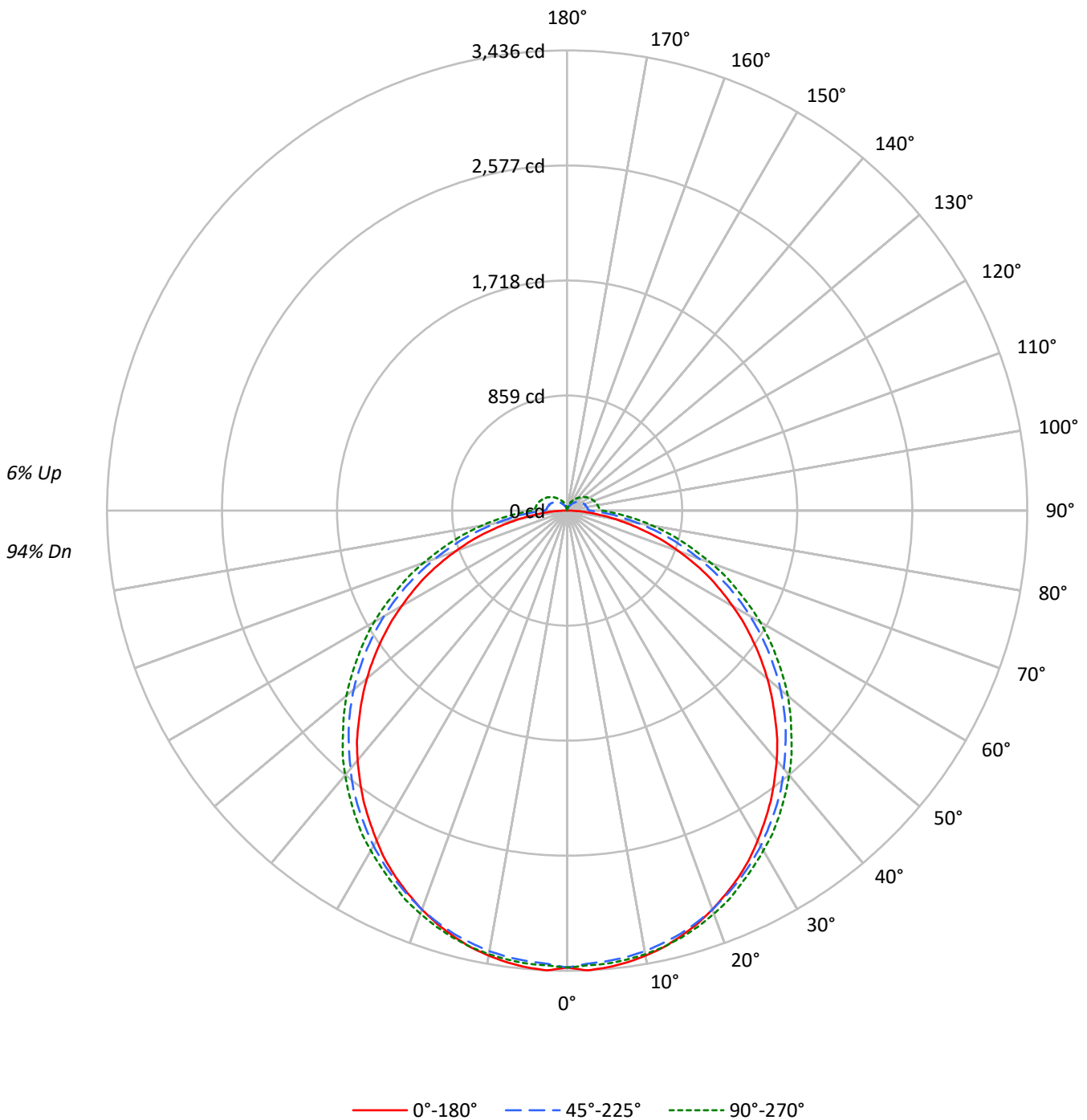
Lumens per Lamp: N/A
Luminaire Lumens: 10841.0 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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°	18361	18361	18361
5°	18495	18062	18084
10°	18427	17872	17857
15°	18298	17652	17601
20°	18119	17384	17301
25°	17912	17089	16946
30°	17628	16789	16619
35°	17343	16437	16276
40°	17028	16046	15892
45°	16629	15660	15443
50°	16246	15219	15033
55°	15771	14674	14463
60°	15237	14049	13903
65°	14676	13304	13130
70°	13700	12365	12329
75°	12530	11260	11370
80°	10807	9792	10309
85°	8725	8534	9060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.5	3.0
10°-20°	928.4	8.6
20°-30°	1406.9	13.0
30°-40°	1698.4	15.7
40°-50°	1773.6	16.4
50°-60°	1629.4	15.0
60°-70°	1288.5	11.9
70°-80°	815.4	7.5
80°-90°	350.5	3.2
90°-100°	154.3	1.4
100°-110°	138.1	1.3
110°-120°	116.6	1.1
120°-130°	90.9	0.8
130°-140°	62.9	0.6
140°-150°	37.8	0.3
150°-160°	18.4	0.2
160°-170°	6.4	0.1
170°-180°	0.9	0.0
0°-30°	2658.8	24.5
0°-40°	4357.3	40.2
0°-60°	7760.2	71.6
0°-90°	10214.6	94.2
90°-120°	409.0	3.8
90°-150°	600.6	5.5
90°-180°	626.0	5.8
0°-180°	10841.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3412	3412	3412	3412	3412	
5°	3425	3415	3379	3408	3396	325
15°	3289	3289	3271	3306	3300	928
25°	3024	3037	3041	3081	3076	1392
35°	2649	2680	2715	2757	2766	1656
45°	2196	2250	2308	2352	2367	1696
55°	1693	1762	1835	1895	1908	1515
65°	1165	1231	1317	1378	1400	1148
75°	614	687	787	854	887	651
85°	150	230	330	401	426	165
90°	10	83	169	236	261	13
95°	2	71	154	215	238	2
105°	2	65	144	202	223	2
115°	2	56	130	182	202	2
125°	4	50	109	157	175	3
135°	4	38	88	125	140	3
145°	4	29	61	94	104	2
155°	4	19	40	60	71	2
165°	6	13	21	29	40	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3411.5	3411.5	3411.5	3411.5	3411.5
2.5°	3436.4	3424.9	3386.5	3413.4	3399.9
5°	3424.9	3415.3	3378.8	3407.6	3396.1
7.5°	3403.8	3396.1	3363.5	3394.2	3382.7
10°	3375.0	3369.2	3340.4	3371.1	3363.5
12.5°	3338.5	3336.6	3307.8	3342.3	3336.6
15°	3288.6	3288.6	3271.3	3305.9	3300.1
17.5°	3234.8	3236.8	3223.3	3259.8	3256.0
20°	3169.6	3179.2	3169.6	3208.0	3204.1
22.5°	3098.5	3112.0	3108.1	3146.5	3148.4
25°	3023.7	3037.1	3040.9	3081.3	3075.5
27.5°	2941.1	2962.2	2969.9	3006.4	3004.5
30°	2845.1	2873.9	2891.2	2921.9	2931.5
32.5°	2747.2	2781.8	2802.9	2845.1	2856.6
35°	2649.3	2680.0	2714.6	2756.8	2766.4
37.5°	2541.8	2576.4	2622.4	2662.7	2674.3
40°	2434.3	2472.7	2516.8	2561.0	2578.3
42.5°	2322.9	2363.3	2411.3	2463.1	2480.4
45°	2196.2	2250.0	2307.6	2351.7	2367.1
47.5°	2075.3	2134.8	2196.2	2244.2	2261.5
50°	1952.4	2015.8	2081.0	2125.2	2152.1
52.5°	1823.8	1892.9	1958.2	2013.9	2031.1
55°	1693.3	1762.4	1835.3	1894.8	1908.3
57.5°	1566.5	1633.7	1706.7	1762.4	1789.2
60°	1428.3	1501.3	1580.0	1635.7	1664.5
62.5°	1293.9	1365.0	1449.4	1509.0	1532.0
65°	1165.3	1230.6	1317.0	1378.4	1399.5
67.5°	1023.2	1098.1	1180.7	1251.7	1278.6
70°	883.1	954.1	1048.2	1115.4	1142.3
72.5°	752.6	821.7	915.7	982.9	1007.9
75°	614.3	687.3	787.1	854.3	886.9
77.5°	481.9	562.5	658.5	731.4	767.9
80°	359.0	430.0	533.7	614.3	647.0
82.5°	243.8	320.6	428.1	503.0	539.5
85°	149.7	230.4	330.2	401.2	426.2
87.5°	71.0	147.8	240.0	309.1	339.8
90°	9.6	82.6	168.9	236.1	261.1
92.5°	1.9	71.0	155.5	218.9	241.9
95°	1.9	71.0	153.6	215.0	238.1
97.5°	1.9	69.1	151.7	213.1	234.2
100°	1.9	67.2	149.7	209.3	232.3
102.5°	1.9	67.2	145.9	205.4	226.5
105°	1.9	65.3	144.0	201.6	222.7
107.5°	1.9	63.4	140.1	197.7	218.9
110°	1.9	59.5	138.2	192.0	213.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	57.6	134.4	188.1	207.3
115°	1.9	55.7	130.5	182.4	201.6
117.5°	1.9	53.8	124.8	176.6	195.8
120°	3.8	53.8	120.9	170.9	188.1
122.5°	3.8	51.8	115.2	163.2	180.5
125°	3.8	49.9	109.4	157.4	174.7
127.5°	3.8	48.0	103.7	149.7	165.1
130°	3.8	44.2	99.8	142.1	157.4
132.5°	3.8	42.2	94.1	132.5	147.8
135°	3.8	38.4	88.3	124.8	140.1
137.5°	3.8	36.5	82.6	117.1	130.5
140°	3.8	34.6	74.9	109.4	122.9
142.5°	3.8	30.7	69.1	101.7	113.3
145°	3.8	28.8	61.4	94.1	103.7
147.5°	3.8	25.0	55.7	86.4	96.0
150°	3.8	23.0	49.9	78.7	88.3
152.5°	3.8	21.1	44.2	69.1	78.7
155°	3.8	19.2	40.3	59.5	71.0
157.5°	3.8	17.3	34.6	51.8	63.4
160°	5.8	15.4	30.7	44.2	53.8
162.5°	5.8	13.4	25.0	36.5	48.0
165°	5.8	13.4	21.1	28.8	40.3
167.5°	5.8	11.5	17.3	23.0	32.6
170°	5.8	9.6	15.4	17.3	25.0
172.5°	5.8	7.7	11.5	11.5	13.4
175°	5.8	7.7	9.6	9.6	5.8
177.5°	5.8	5.8	5.8	5.8	3.8
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)