

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: P567234

Luminaire Tested: **8SNX-114SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567234
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-L830-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

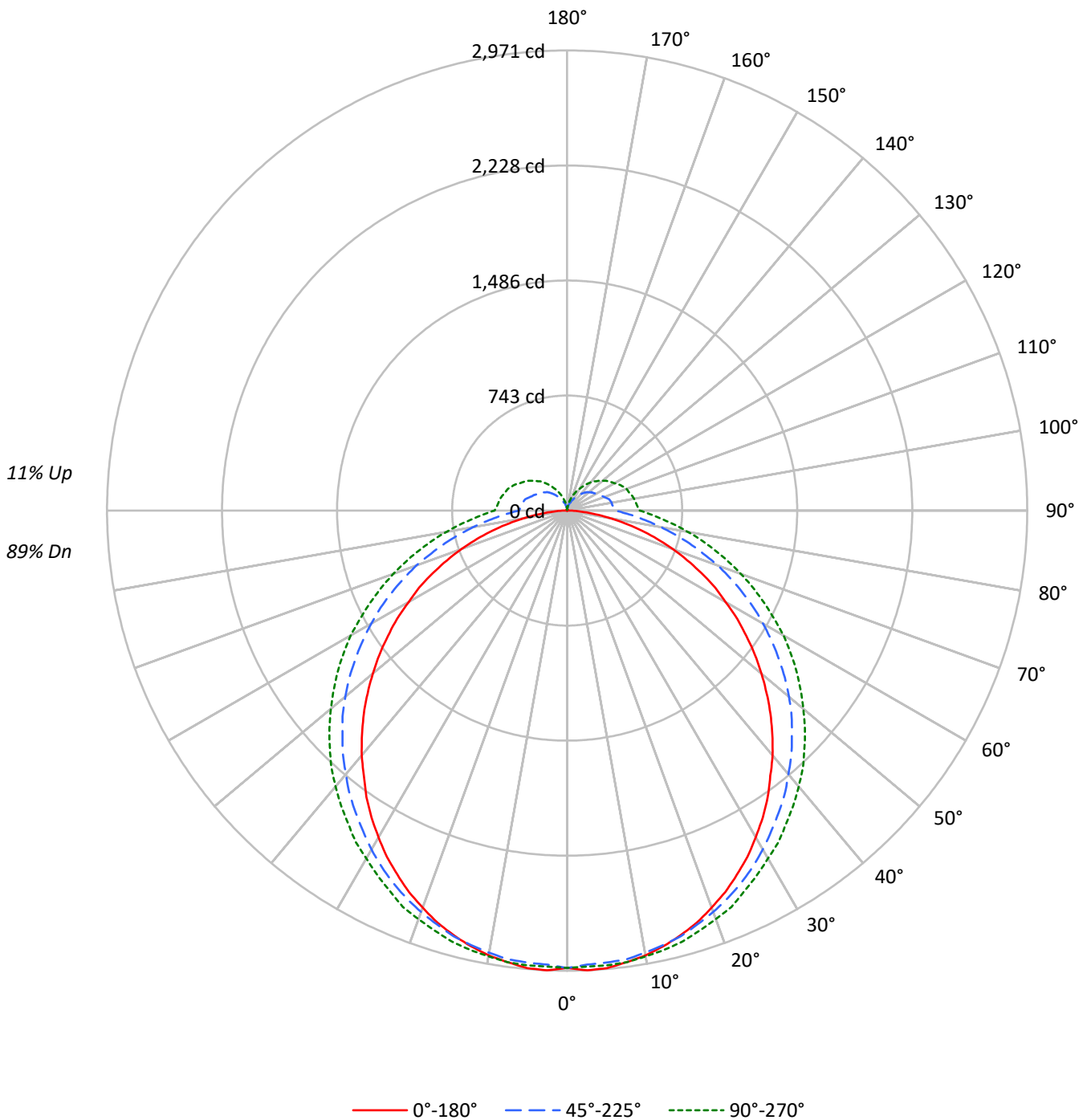
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10512.0 lumens
Efficiency: N/A
Efficacy: 132.4 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 (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	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	76	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°	15892	15892	15892
5°	16004	15493	15471
10°	15908	15190	15088
15°	15765	14877	14735
20°	15563	14517	14342
25°	15328	14164	13932
30°	15044	13777	13525
35°	14734	13373	13145
40°	14375	12976	12779
45°	13988	12573	12385
50°	13546	12145	11944
55°	13060	11631	11509
60°	12489	11082	11026
65°	11908	10462	10416
70°	11085	9781	9820
75°	9994	8912	9160
80°	8199	8031	8509
85°	6050	7285	7841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.5	2.7
10°-20°	806.2	7.7
20°-30°	1225.8	11.7
30°-40°	1488.0	14.2
40°-50°	1572.4	15.0
50°-60°	1471.4	14.0
60°-70°	1207.2	11.5
70°-80°	830.4	7.9
80°-90°	454.7	4.3
90°-100°	292.8	2.8
100°-110°	262.8	2.5
110°-120°	217.5	2.1
120°-130°	167.5	1.6
130°-140°	117.7	1.1
140°-150°	70.9	0.7
150°-160°	33.9	0.3
160°-170°	11.1	0.1
170°-180°	1.3	0.0
0°-30°	2312.4	22.0
0°-40°	3800.4	36.2
0°-60°	6844.1	65.1
0°-90°	9336.4	88.8
90°-120°	773.1	7.4
90°-150°	1129.1	10.7
90°-180°	1176.0	11.2
0°-180°	10512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2953	2953	2953	2953	2953	
5°	2965	2959	2928	2953	2947	281
15°	2837	2849	2843	2880	2880	800
25°	2594	2624	2654	2709	2709	1195
35°	2259	2314	2380	2448	2466	1411
45°	1857	1942	2052	2143	2167	1431
55°	1412	1528	1668	1772	1808	1264
65°	956	1084	1248	1364	1400	947
75°	499	633	816	944	986	526
85°	110	262	444	566	609	127
90°	0	146	310	426	469	8
95°	0	140	298	408	450	0
105°	0	116	280	384	420	4
115°	6	104	237	341	384	6
125°	6	85	201	292	329	5
135°	6	67	164	237	268	5
145°	6	49	116	183	201	4
155°	6	30	73	116	134	3
165°	6	18	36	55	67	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2952.8	2952.8	2952.8	2952.8	2952.8
2.5°	2971.1	2965.0	2934.6	2958.9	2946.8
5°	2965.0	2958.9	2928.5	2952.8	2946.8
7.5°	2940.7	2940.7	2922.4	2946.8	2940.7
10°	2916.3	2916.3	2898.1	2928.5	2922.4
12.5°	2879.8	2885.9	2873.7	2910.2	2904.1
15°	2837.2	2849.3	2843.3	2879.8	2879.8
17.5°	2788.5	2800.6	2800.6	2843.3	2843.3
20°	2727.6	2745.8	2758.0	2806.7	2806.7
22.5°	2666.7	2691.0	2709.3	2751.9	2770.2
25°	2593.6	2624.1	2654.5	2709.3	2709.3
27.5°	2520.6	2557.1	2593.6	2648.4	2654.5
30°	2435.3	2478.0	2526.7	2581.5	2593.6
32.5°	2350.1	2404.9	2453.6	2520.6	2538.8
35°	2258.8	2313.6	2380.5	2447.5	2465.8
37.5°	2155.3	2222.2	2307.5	2380.5	2398.8
40°	2063.9	2137.0	2222.2	2307.5	2325.7
42.5°	1960.4	2039.6	2143.1	2222.2	2252.7
45°	1856.9	1942.2	2051.8	2143.1	2167.4
47.5°	1747.4	1844.8	1966.5	2051.8	2082.2
50°	1637.8	1741.3	1869.1	1966.5	1990.9
52.5°	1528.2	1637.8	1771.7	1869.1	1899.6
55°	1412.5	1528.2	1668.2	1771.7	1808.2
57.5°	1302.9	1418.6	1564.7	1674.3	1710.8
60°	1181.1	1315.1	1461.2	1570.8	1613.4
62.5°	1077.6	1199.4	1357.7	1467.3	1503.8
65°	955.9	1083.7	1248.1	1363.8	1400.3
67.5°	840.2	974.1	1138.5	1260.3	1296.8
70°	724.5	858.5	1035.0	1150.7	1193.3
72.5°	608.8	748.9	919.3	1047.2	1089.8
75°	499.2	633.2	815.8	943.7	986.3
77.5°	383.6	529.7	712.3	840.2	888.9
80°	280.1	432.3	614.9	742.8	791.5
82.5°	188.7	340.9	523.6	651.5	700.2
85°	109.6	261.8	444.4	566.2	608.8
87.5°	54.8	200.9	371.4	493.2	535.8
90°	0.0	146.1	310.5	426.2	468.8
92.5°	0.0	140.0	304.4	414.0	456.6
95°	0.0	140.0	298.3	407.9	450.5
97.5°	0.0	133.9	292.2	407.9	444.4
100°	0.0	127.9	292.2	401.8	438.4
102.5°	0.0	121.8	286.2	395.7	432.3
105°	0.0	115.7	280.1	383.6	420.1
107.5°	6.1	115.7	267.9	377.5	414.0
110°	6.1	109.6	255.7	371.4	407.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.1	103.5	243.5	359.2	395.7
115°	6.1	103.5	237.4	340.9	383.6
117.5°	6.1	97.4	225.3	328.8	371.4
120°	6.1	97.4	219.2	316.6	353.1
122.5°	6.1	91.3	207.0	304.4	340.9
125°	6.1	85.2	200.9	292.2	328.8
127.5°	6.1	79.1	194.8	280.1	316.6
130°	6.1	73.1	182.7	267.9	298.3
132.5°	6.1	73.1	176.6	249.6	286.2
135°	6.1	67.0	164.4	237.4	267.9
137.5°	6.1	60.9	152.2	225.3	255.7
140°	6.1	54.8	140.0	213.1	237.4
142.5°	6.1	54.8	127.9	194.8	219.2
145°	6.1	48.7	115.7	182.7	200.9
147.5°	6.1	42.6	103.5	164.4	182.7
150°	6.1	42.6	91.3	146.1	164.4
152.5°	6.1	36.5	79.1	133.9	152.2
155°	6.1	30.4	73.1	115.7	133.9
157.5°	6.1	30.4	60.9	97.4	115.7
160°	6.1	24.4	54.8	79.1	97.4
162.5°	6.1	24.4	48.7	67.0	85.2
165°	6.1	18.3	36.5	54.8	67.0
167.5°	6.1	18.3	30.4	42.6	54.8
170°	6.1	12.2	24.4	30.4	42.6
172.5°	6.1	12.2	18.3	18.3	18.3
175°	6.1	6.1	12.2	12.2	6.1
177.5°	6.1	6.1	6.1	6.1	6.1
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)