

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: P567236

Luminaire Tested: **8SNX-114SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567236
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-L840-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

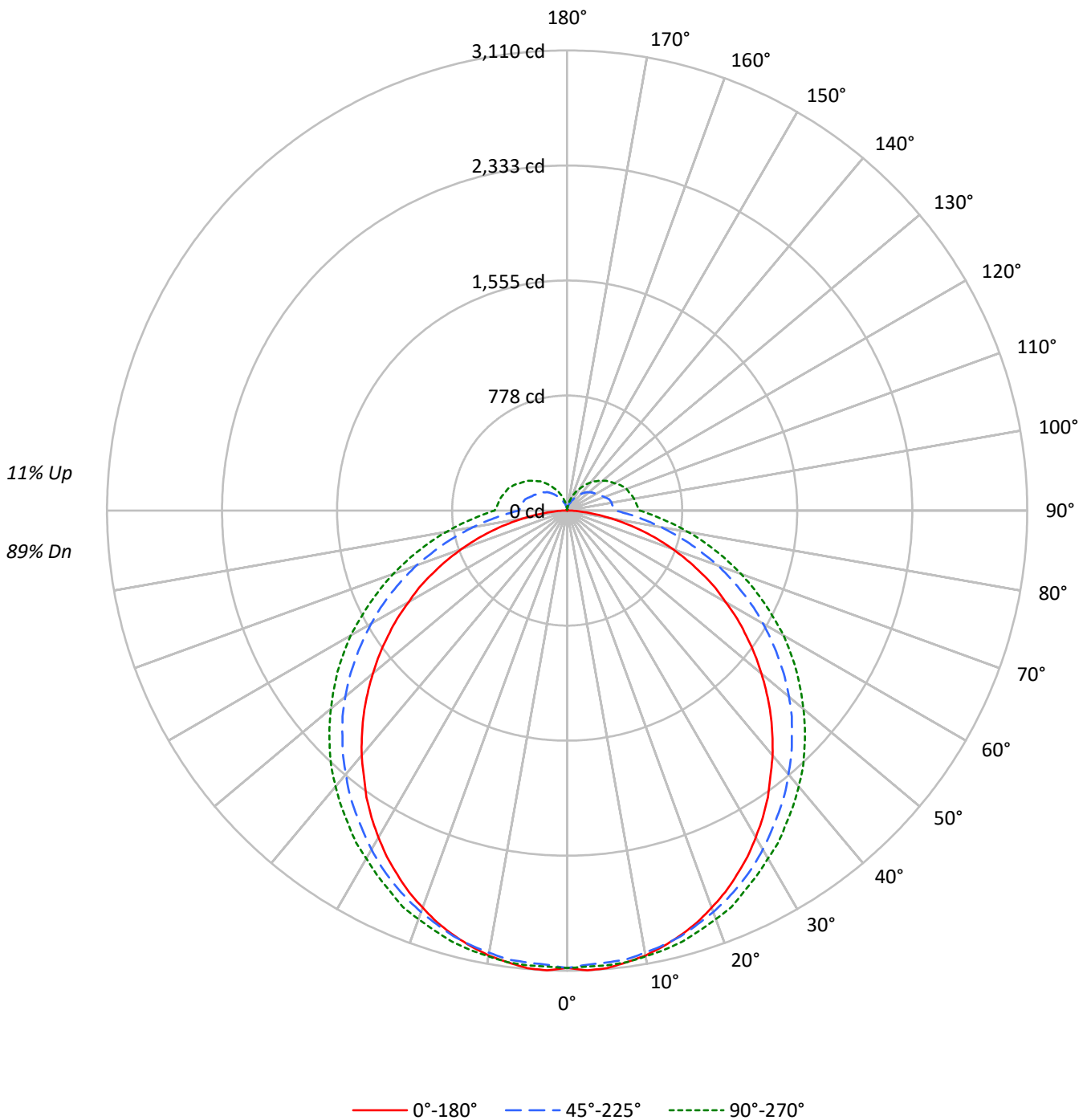
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11005.0 lumens
Efficiency: N/A
Efficacy: 138.6 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	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°	16637	16637	16637
5°	16755	16219	16196
10°	16655	15902	15795
15°	16504	15575	15426
20°	16293	15198	15015
25°	16047	14829	14585
30°	15750	14423	14160
35°	15424	14001	13761
40°	15049	13585	13379
45°	14644	13162	12966
50°	14181	12715	12504
55°	13672	12177	12049
60°	13075	11601	11543
65°	12466	10953	10905
70°	11605	10240	10281
75°	10464	9330	9590
80°	8582	8409	8908
85°	6332	7627	8209



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.6	2.7
10°-20°	844.0	7.7
20°-30°	1283.3	11.7
30°-40°	1557.8	14.2
40°-50°	1646.1	15.0
50°-60°	1540.4	14.0
60°-70°	1263.9	11.5
70°-80°	869.3	7.9
80°-90°	476.1	4.3
90°-100°	306.5	2.8
100°-110°	275.1	2.5
110°-120°	227.7	2.1
120°-130°	175.3	1.6
130°-140°	123.2	1.1
140°-150°	74.2	0.7
150°-160°	35.5	0.3
160°-170°	11.7	0.1
170°-180°	1.4	0.0
0°-30°	2420.9	22.0
0°-40°	3978.6	36.2
0°-60°	7165.1	65.1
0°-90°	9774.3	88.8
90°-120°	809.3	7.4
90°-150°	1182.1	10.7
90°-180°	1231.0	11.2
0°-180°	11005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3091	3091	3091	3091	3091	
5°	3104	3098	3066	3091	3085	294
15°	2970	2983	2977	3015	3015	838
25°	2715	2747	2779	2836	2836	1251
35°	2365	2422	2492	2562	2581	1477
45°	1944	2033	2148	2244	2269	1498
55°	1479	1600	1746	1855	1893	1323
65°	1001	1135	1307	1428	1466	991
75°	523	663	854	988	1033	550
85°	115	274	465	593	637	133
90°	0	153	325	446	491	8
95°	0	147	312	427	472	0
105°	0	121	293	402	440	4
115°	6	108	249	357	402	6
125°	6	89	210	306	344	6
135°	6	70	172	249	280	5
145°	6	51	121	191	210	4
155°	6	32	76	121	140	3
165°	6	19	38	57	70	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3091.3	3091.3	3091.3	3091.3	3091.3
2.5°	3110.5	3104.1	3072.2	3097.7	3085.0
5°	3104.1	3097.7	3065.8	3091.3	3085.0
7.5°	3078.6	3078.6	3059.5	3085.0	3078.6
10°	3053.1	3053.1	3034.0	3065.8	3059.5
12.5°	3014.8	3021.2	3008.5	3046.7	3040.3
15°	2970.2	2983.0	2976.6	3014.8	3014.8
17.5°	2919.2	2932.0	2932.0	2976.6	2976.6
20°	2855.5	2874.6	2887.4	2938.4	2938.4
22.5°	2791.8	2817.3	2836.4	2881.0	2900.1
25°	2715.3	2747.1	2779.0	2836.4	2836.4
27.5°	2638.8	2677.0	2715.3	2772.6	2779.0
30°	2549.6	2594.2	2645.2	2702.5	2715.3
32.5°	2460.3	2517.7	2568.7	2638.8	2657.9
35°	2364.7	2422.1	2492.2	2562.3	2581.4
37.5°	2256.4	2326.5	2415.7	2492.2	2511.3
40°	2160.7	2237.2	2326.5	2415.7	2434.8
42.5°	2052.4	2135.2	2243.6	2326.5	2358.3
45°	1944.0	2033.3	2148.0	2243.6	2269.1
47.5°	1829.3	1931.3	2058.8	2148.0	2179.9
50°	1714.6	1822.9	1956.8	2058.8	2084.3
52.5°	1599.8	1714.6	1854.8	1956.8	1988.6
55°	1478.7	1599.8	1746.4	1854.8	1893.0
57.5°	1364.0	1485.1	1638.1	1752.8	1791.1
60°	1236.5	1376.8	1529.7	1644.5	1689.1
62.5°	1128.2	1255.7	1421.4	1536.1	1574.3
65°	1000.7	1134.6	1306.6	1427.7	1466.0
67.5°	879.6	1019.8	1191.9	1319.4	1357.6
70°	758.5	898.7	1083.6	1204.7	1249.3
72.5°	637.4	784.0	962.5	1096.3	1140.9
75°	522.7	662.9	854.1	988.0	1032.6
77.5°	401.6	554.5	745.7	879.6	930.6
80°	293.2	452.5	643.8	777.6	828.6
82.5°	197.6	356.9	548.2	682.0	733.0
85°	114.7	274.1	465.3	592.8	637.4
87.5°	57.4	210.3	388.8	516.3	560.9
90°	0.0	153.0	325.1	446.2	490.8
92.5°	0.0	146.6	318.7	433.4	478.0
95°	0.0	146.6	312.3	427.0	471.7
97.5°	0.0	140.2	305.9	427.0	465.3
100°	0.0	133.9	305.9	420.7	458.9
102.5°	0.0	127.5	299.6	414.3	452.5
105°	0.0	121.1	293.2	401.6	439.8
107.5°	6.4	121.1	280.5	395.2	433.4
110°	6.4	114.7	267.7	388.8	427.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	108.4	255.0	376.1	414.3
115°	6.4	108.4	248.6	356.9	401.6
117.5°	6.4	102.0	235.8	344.2	388.8
120°	6.4	102.0	229.5	331.4	369.7
122.5°	6.4	95.6	216.7	318.7	356.9
125°	6.4	89.2	210.3	305.9	344.2
127.5°	6.4	82.9	204.0	293.2	331.4
130°	6.4	76.5	191.2	280.5	312.3
132.5°	6.4	76.5	184.8	261.3	299.6
135°	6.4	70.1	172.1	248.6	280.5
137.5°	6.4	63.7	159.3	235.8	267.7
140°	6.4	57.4	146.6	223.1	248.6
142.5°	6.4	57.4	133.9	204.0	229.5
145°	6.4	51.0	121.1	191.2	210.3
147.5°	6.4	44.6	108.4	172.1	191.2
150°	6.4	44.6	95.6	153.0	172.1
152.5°	6.4	38.2	82.9	140.2	159.3
155°	6.4	31.9	76.5	121.1	140.2
157.5°	6.4	31.9	63.7	102.0	121.1
160°	6.4	25.5	57.4	82.9	102.0
162.5°	6.4	25.5	51.0	70.1	89.2
165°	6.4	19.1	38.2	57.4	70.1
167.5°	6.4	19.1	31.9	44.6	57.4
170°	6.4	12.7	25.5	31.9	44.6
172.5°	6.4	12.7	19.1	19.1	19.1
175°	6.4	6.4	12.7	12.7	6.4
177.5°	6.4	6.4	6.4	6.4	6.4
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)