

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: P567226

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567226
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-LW-UNV-L830-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

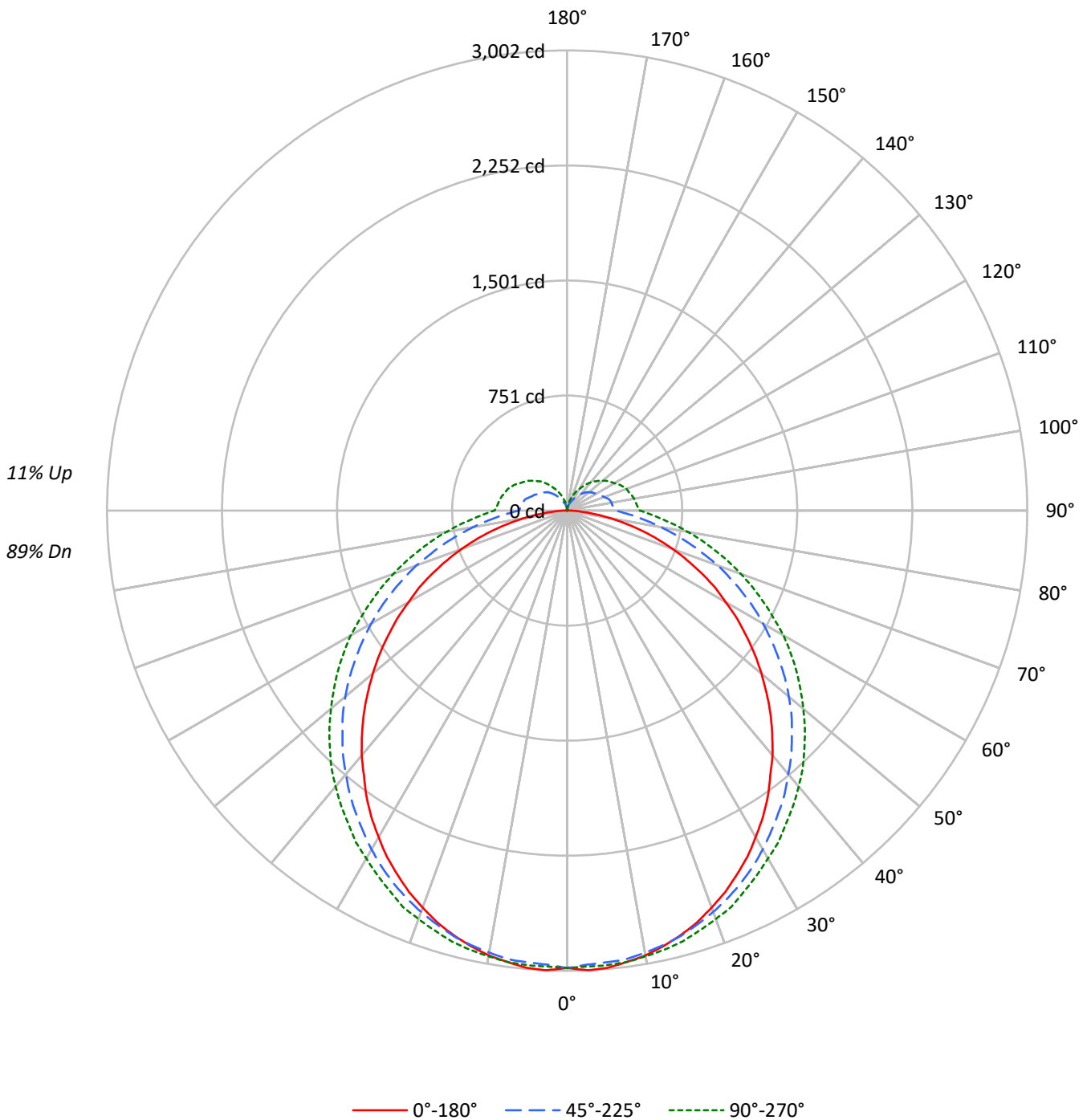
Lumens per Lamp: N/A
Luminaire Lumens: 10620.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	16055	16055	16055
5°	16154	15332	15197
10°	16043	14737	14438
15°	15882	14160	13754
20°	15664	13559	13069
25°	15411	12982	12399
30°	15109	12387	11758
35°	14778	11788	11158
40°	14398	11203	10586
45°	13987	10616	10000
50°	13518	10011	9384
55°	13003	9333	8781
60°	12397	8626	8143
65°	11772	7861	7415
70°	10895	7045	6700
75°	9732	6090	5940
80°	7842	5125	5184
85°	5521	4229	4406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.4	2.7
10°-20°	814.4	7.7
20°-30°	1238.4	11.7
30°-40°	1503.3	14.2
40°-50°	1588.5	15.0
50°-60°	1486.5	14.0
60°-70°	1219.6	11.5
70°-80°	838.9	7.9
80°-90°	459.4	4.3
90°-100°	295.8	2.8
100°-110°	265.5	2.5
110°-120°	219.7	2.1
120°-130°	169.2	1.6
130°-140°	118.9	1.1
140°-150°	71.6	0.7
150°-160°	34.3	0.3
160°-170°	11.3	0.1
170°-180°	1.3	0.0
0°-30°	2336.2	22.0
0°-40°	3839.4	36.2
0°-60°	6914.4	65.1
0°-90°	9432.4	88.8
90°-120°	781.0	7.4
90°-150°	1140.8	10.7
90°-180°	1188.0	11.2
0°-180°	10620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2983	2983	2983	2983	2983	
5°	2996	2989	2959	2983	2977	284
15°	2866	2879	2872	2909	2909	808
25°	2620	2651	2682	2737	2737	1207
35°	2282	2337	2405	2473	2491	1425
45°	1876	1962	2073	2165	2190	1446
55°	1427	1544	1685	1790	1827	1277
65°	966	1095	1261	1378	1415	956
75°	504	640	824	953	996	531
85°	111	264	449	572	615	128
90°	0	148	314	431	474	8
95°	0	142	301	412	455	0
105°	0	117	283	388	424	4
115°	6	105	240	344	388	6
125°	6	86	203	295	332	6
135°	6	68	166	240	271	5
145°	6	49	117	184	203	4
155°	6	31	74	117	135	3
165°	6	18	37	55	68	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°	2983.2	2983.2	2983.2	2983.2	2983.2
2.5°	3001.6	2995.5	2964.7	2989.3	2977.0
5°	2995.5	2989.3	2958.6	2983.2	2977.0
7.5°	2970.9	2970.9	2952.4	2977.0	2970.9
10°	2946.3	2946.3	2927.8	2958.6	2952.4
12.5°	2909.4	2915.5	2903.2	2940.1	2934.0
15°	2866.3	2878.6	2872.5	2909.4	2909.4
17.5°	2817.1	2829.4	2829.4	2872.5	2872.5
20°	2755.6	2774.1	2786.4	2835.6	2835.6
22.5°	2694.1	2718.7	2737.1	2780.2	2798.7
25°	2620.3	2651.0	2681.8	2737.1	2737.1
27.5°	2546.5	2583.4	2620.3	2675.6	2681.8
30°	2460.4	2503.4	2552.6	2608.0	2620.3
32.5°	2374.2	2429.6	2478.8	2546.5	2564.9
35°	2282.0	2337.3	2405.0	2472.7	2491.1
37.5°	2177.4	2245.1	2331.2	2405.0	2423.5
40°	2085.2	2159.0	2245.1	2331.2	2349.6
42.5°	1980.6	2060.5	2165.1	2245.1	2275.8
45°	1876.0	1962.1	2072.9	2165.1	2189.7
47.5°	1765.3	1863.7	1986.7	2072.9	2103.6
50°	1654.6	1759.2	1888.3	1986.7	2011.3
52.5°	1543.9	1654.6	1789.9	1888.3	1919.1
55°	1427.0	1543.9	1685.3	1789.9	1826.8
57.5°	1316.3	1433.2	1580.8	1691.5	1728.4
60°	1193.3	1328.6	1476.2	1586.9	1630.0
62.5°	1088.7	1211.7	1371.6	1482.4	1519.3
65°	965.7	1094.9	1260.9	1377.8	1414.7
67.5°	848.8	984.1	1150.2	1273.2	1310.1
70°	732.0	867.3	1045.7	1162.5	1205.6
72.5°	615.1	756.6	928.8	1058.0	1101.0
75°	504.4	639.7	824.2	953.4	996.4
77.5°	387.5	535.1	719.7	848.8	898.0
80°	282.9	436.7	621.2	750.4	799.6
82.5°	190.7	344.4	529.0	658.1	707.4
85°	110.7	264.5	449.0	572.0	615.1
87.5°	55.4	203.0	375.2	498.2	541.3
90°	0.0	147.6	313.7	430.6	473.6
92.5°	0.0	141.5	307.5	418.3	461.3
95°	0.0	141.5	301.4	412.1	455.2
97.5°	0.0	135.3	295.2	412.1	449.0
100°	0.0	129.2	295.2	406.0	442.9
102.5°	0.0	123.0	289.1	399.8	436.7
105°	0.0	116.9	282.9	387.5	424.4
107.5°	6.2	116.9	270.6	381.4	418.3
110°	6.2	110.7	258.3	375.2	412.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	104.6	246.0	362.9	399.8
115°	6.2	104.6	239.9	344.4	387.5
117.5°	6.2	98.4	227.6	332.1	375.2
120°	6.2	98.4	221.4	319.8	356.8
122.5°	6.2	92.3	209.1	307.5	344.4
125°	6.2	86.1	203.0	295.2	332.1
127.5°	6.2	80.0	196.8	282.9	319.8
130°	6.2	73.8	184.5	270.6	301.4
132.5°	6.2	73.8	178.4	252.2	289.1
135°	6.2	67.7	166.1	239.9	270.6
137.5°	6.2	61.5	153.8	227.6	258.3
140°	6.2	55.4	141.5	215.3	239.9
142.5°	6.2	55.4	129.2	196.8	221.4
145°	6.2	49.2	116.9	184.5	203.0
147.5°	6.2	43.1	104.6	166.1	184.5
150°	6.2	43.1	92.3	147.6	166.1
152.5°	6.2	36.9	80.0	135.3	153.8
155°	6.2	30.8	73.8	116.9	135.3
157.5°	6.2	30.8	61.5	98.4	116.9
160°	6.2	24.6	55.4	80.0	98.4
162.5°	6.2	24.6	49.2	67.7	86.1
165°	6.2	18.5	36.9	55.4	67.7
167.5°	6.2	18.5	30.8	43.1	55.4
170°	6.2	12.3	24.6	30.8	43.1
172.5°	6.2	12.3	18.5	18.5	18.5
175°	6.2	6.2	12.3	12.3	6.2
177.5°	6.2	6.2	6.2	6.2	6.2
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)