

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: P567230

Luminaire Tested: **8SNX-114SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567230
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-L930-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

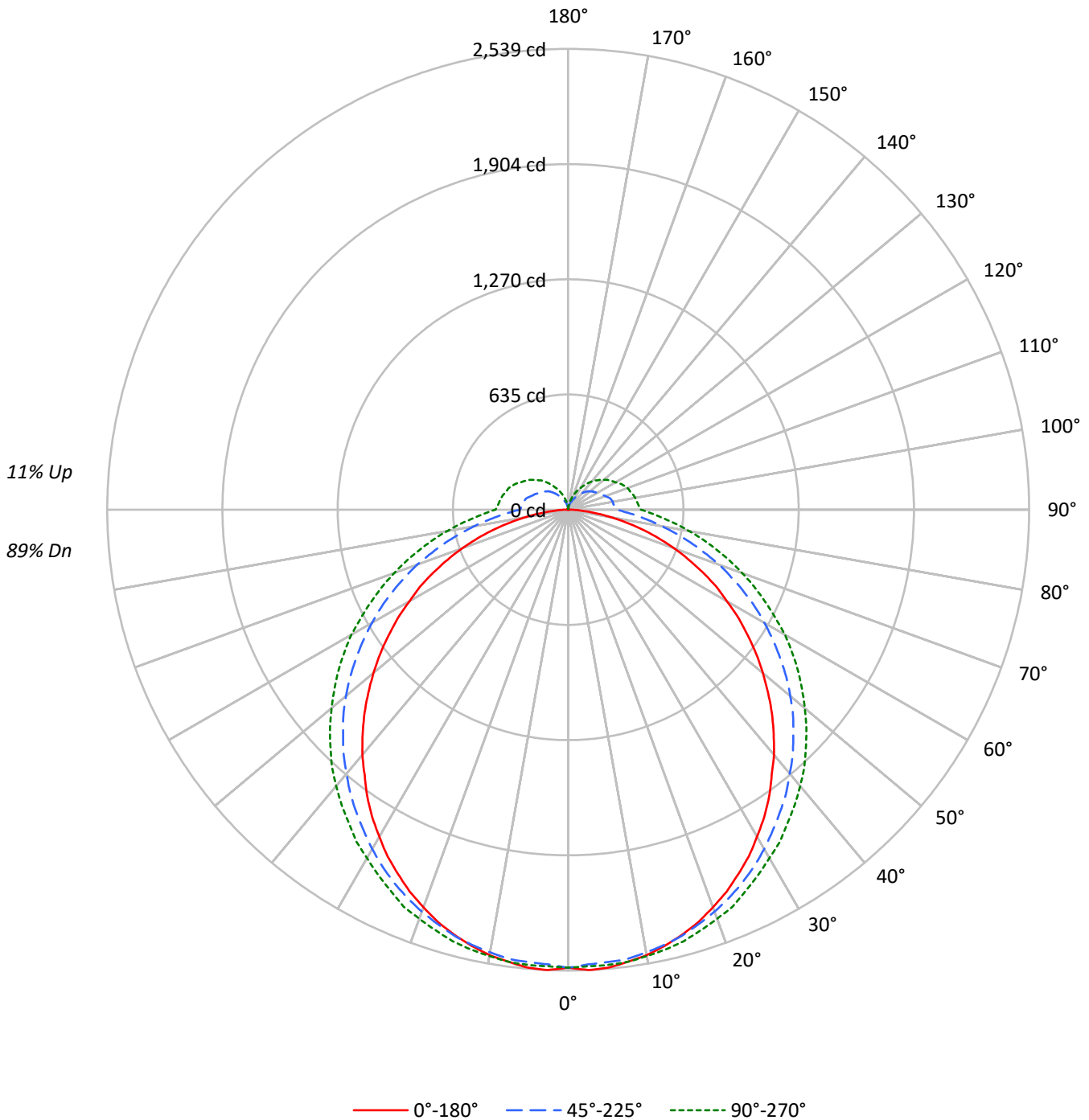
Lumens per Lamp: N/A
Luminaire Lumens: 8982.0 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	77	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°	13579	13579	13579
5°	13662	12967	12853
10°	13568	12464	12211
15°	13432	11976	11632
20°	13248	11468	11053
25°	13033	10980	10487
30°	12778	10476	9944
35°	12498	9970	9437
40°	12177	9475	8953
45°	11830	8978	8458
50°	11433	8467	7937
55°	10997	7894	7427
60°	10485	7296	6887
65°	9956	6649	6271
70°	9215	5958	5666
75°	8231	5151	5024
80°	6633	4334	4384
85°	4668	3577	3726



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	2.7
10°-20°	688.8	7.7
20°-30°	1047.4	11.7
30°-40°	1271.4	14.2
40°-50°	1343.5	15.0
50°-60°	1257.2	14.0
60°-70°	1031.5	11.5
70°-80°	709.5	7.9
80°-90°	388.6	4.3
90°-100°	250.2	2.8
100°-110°	224.5	2.5
110°-120°	185.8	2.1
120°-130°	143.1	1.6
130°-140°	100.6	1.1
140°-150°	60.6	0.7
150°-160°	29.0	0.3
160°-170°	9.5	0.1
170°-180°	1.1	0.0
0°-30°	1975.8	22.0
0°-40°	3247.2	36.2
0°-60°	5848.0	65.1
0°-90°	7977.6	88.8
90°-120°	660.5	7.4
90°-150°	964.8	10.7
90°-180°	1004.0	11.2
0°-180°	8982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2523	2523	2523	2523	2523	
5°	2534	2528	2502	2523	2518	240
15°	2424	2435	2429	2461	2461	684
25°	2216	2242	2268	2315	2315	1021
35°	1930	1977	2034	2091	2107	1206
45°	1587	1660	1753	1831	1852	1223
55°	1207	1306	1425	1514	1545	1080
65°	817	926	1066	1165	1196	809
75°	427	541	697	806	843	449
85°	94	224	380	484	520	108
90°	0	125	265	364	401	6
95°	0	120	255	348	385	0
105°	0	99	239	328	359	3
115°	5	88	203	291	328	5
125°	5	73	172	250	281	5
135°	5	57	140	203	229	4
145°	5	42	99	156	172	3
155°	5	26	62	99	114	2
165°	5	16	31	47	57	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2523.1	2523.1	2523.1	2523.1	2523.1
2.5°	2538.7	2533.5	2507.5	2528.3	2517.9
5°	2533.5	2528.3	2502.3	2523.1	2517.9
7.5°	2512.7	2512.7	2497.1	2517.9	2512.7
10°	2491.9	2491.9	2476.2	2502.3	2497.1
12.5°	2460.6	2465.8	2455.4	2486.6	2481.4
15°	2424.2	2434.6	2429.4	2460.6	2460.6
17.5°	2382.6	2393.0	2393.0	2429.4	2429.4
20°	2330.6	2346.2	2356.6	2398.2	2398.2
22.5°	2278.6	2299.4	2315.0	2351.4	2367.0
25°	2216.1	2242.1	2268.2	2315.0	2315.0
27.5°	2153.7	2184.9	2216.1	2263.0	2268.2
30°	2080.9	2117.3	2158.9	2205.7	2216.1
32.5°	2008.0	2054.9	2096.5	2153.7	2169.3
35°	1930.0	1976.8	2034.1	2091.3	2106.9
37.5°	1841.6	1898.8	1971.6	2034.1	2049.7
40°	1763.5	1826.0	1898.8	1971.6	1987.2
42.5°	1675.1	1742.7	1831.2	1898.8	1924.8
45°	1586.7	1659.5	1753.1	1831.2	1852.0
47.5°	1493.0	1576.3	1680.3	1753.1	1779.2
50°	1399.4	1487.8	1597.1	1680.3	1701.1
52.5°	1305.8	1399.4	1513.8	1597.1	1623.1
55°	1206.9	1305.8	1425.4	1513.8	1545.1
57.5°	1113.3	1212.1	1337.0	1430.6	1461.8
60°	1009.2	1123.7	1248.5	1342.2	1378.6
62.5°	920.8	1024.8	1160.1	1253.7	1284.9
65°	816.7	926.0	1066.5	1165.3	1196.5
67.5°	717.9	832.4	972.8	1076.9	1108.1
70°	619.1	733.5	884.4	983.2	1019.6
72.5°	520.2	639.9	785.5	894.8	931.2
75°	426.6	541.0	697.1	806.3	842.8
77.5°	327.7	452.6	608.7	717.9	759.5
80°	239.3	369.4	525.4	634.7	676.3
82.5°	161.3	291.3	447.4	556.6	598.3
85°	93.6	223.7	379.8	483.8	520.2
87.5°	46.8	171.7	317.3	421.4	457.8
90°	0.0	124.9	265.3	364.2	400.6
92.5°	0.0	119.7	260.1	353.7	390.2
95°	0.0	119.7	254.9	348.5	385.0
97.5°	0.0	114.4	249.7	348.5	379.8
100°	0.0	109.2	249.7	343.3	374.6
102.5°	0.0	104.0	244.5	338.1	369.4
105°	0.0	98.8	239.3	327.7	359.0
107.5°	5.2	98.8	228.9	322.5	353.7
110°	5.2	93.6	218.5	317.3	348.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	88.4	208.1	306.9	338.1
115°	5.2	88.4	202.9	291.3	327.7
117.5°	5.2	83.2	192.5	280.9	317.3
120°	5.2	83.2	187.3	270.5	301.7
122.5°	5.2	78.0	176.9	260.1	291.3
125°	5.2	72.8	171.7	249.7	280.9
127.5°	5.2	67.6	166.5	239.3	270.5
130°	5.2	62.4	156.1	228.9	254.9
132.5°	5.2	62.4	150.9	213.3	244.5
135°	5.2	57.2	140.5	202.9	228.9
137.5°	5.2	52.0	130.1	192.5	218.5
140°	5.2	46.8	119.7	182.1	202.9
142.5°	5.2	46.8	109.2	166.5	187.3
145°	5.2	41.6	98.8	156.1	171.7
147.5°	5.2	36.4	88.4	140.5	156.1
150°	5.2	36.4	78.0	124.9	140.5
152.5°	5.2	31.2	67.6	114.4	130.1
155°	5.2	26.0	62.4	98.8	114.4
157.5°	5.2	26.0	52.0	83.2	98.8
160°	5.2	20.8	46.8	67.6	83.2
162.5°	5.2	20.8	41.6	57.2	72.8
165°	5.2	15.6	31.2	46.8	57.2
167.5°	5.2	15.6	26.0	36.4	46.8
170°	5.2	10.4	20.8	26.0	36.4
172.5°	5.2	10.4	15.6	15.6	15.6
175°	5.2	5.2	10.4	10.4	5.2
177.5°	5.2	5.2	5.2	5.2	5.2
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)