

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: P567214

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-LC-UNV-L930-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

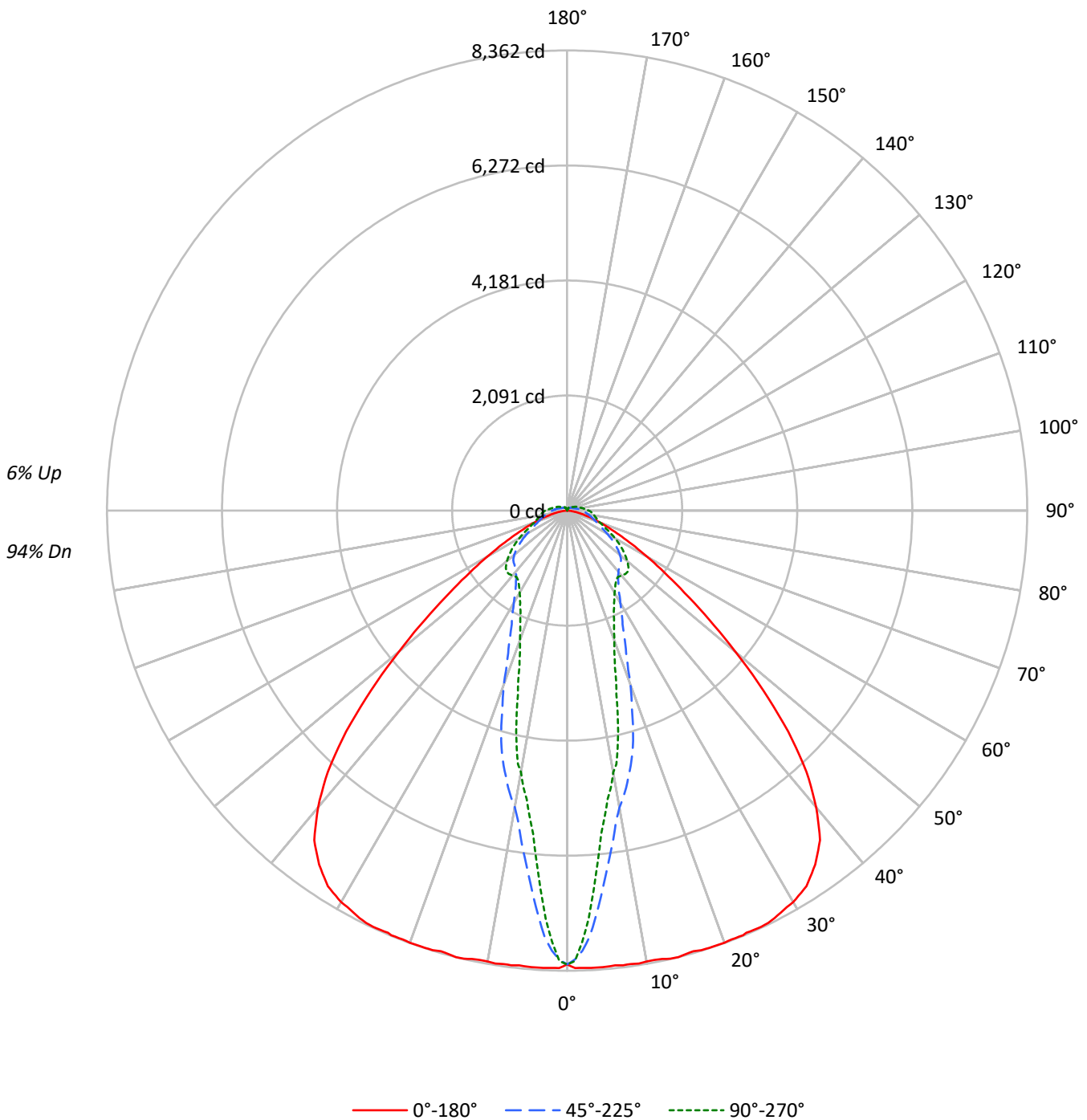
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10166.0 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44386	44386	44386
5°	44868	36501	32632
10°	45303	27587	23617
15°	46216	22575	16353
20°	47501	16352	11550
25°	49085	11728	9086
30°	50451	9379	7738
35°	50876	7942	6931
40°	48636	7227	6948
45°	42340	6991	7137
50°	32604	6656	6660
55°	23736	5828	5910
60°	17320	4871	4997
65°	12702	4125	4096
70°	9460	3650	3532
75°	6836	3388	3292
80°	4621	3180	3242
85°	2339	3042	3247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.6	6.4
10°-20°	1408.4	13.9
20°-30°	1612.1	15.9
30°-40°	1615.0	15.9
40°-50°	1528.8	15.0
50°-60°	1172.5	11.5
60°-70°	755.7	7.4
70°-80°	481.9	4.7
80°-90°	320.0	3.1
90°-100°	215.1	2.1
100°-110°	141.8	1.4
110°-120°	98.6	1.0
120°-130°	68.8	0.7
130°-140°	47.8	0.5
140°-150°	29.2	0.3
150°-160°	14.8	0.1
160°-170°	5.7	0.1
170°-180°	1.1	0.0
0°-30°	3669.1	36.1
0°-40°	5284.1	52.0
0°-60°	7985.4	78.6
0°-90°	9543.1	93.9
90°-120°	455.5	4.5
90°-150°	601.2	5.9
90°-180°	623.0	6.1
0°-180°	10166.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8247	8247	8247	8247	8247	
5°	8320	7862	7044	6570	6392	794
15°	8341	6007	4579	3762	3459	2366
25°	8346	4251	2423	2105	2006	3848
35°	7856	2365	1620	1568	1547	4874
45°	5679	1495	1365	1511	1563	4318
55°	2605	1068	1052	1183	1230	2395
65°	1042	672	662	755	782	1072
75°	354	365	458	526	552	390
85°	47	167	323	422	453	64
90°	0	115	271	375	391	2
95°	0	83	224	307	323	0
105°	0	62	146	208	224	3
115°	5	52	109	151	162	5
125°	5	47	94	109	115	5
135°	5	36	73	89	94	4
145°	5	26	52	68	73	3
155°	5	16	31	47	52	3
165°	10	10	21	26	31	3
175°	10	10	10	10	5	1
180°	10	10	10	10	10	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8247.2	8247.2	8247.2	8247.2	8247.2
1°	8314.9	8268.0	8158.6	8189.8	8184.6
2°	8314.9	8215.9	8002.3	7939.8	7846.0
3°	8320.1	8127.3	7762.6	7559.5	7429.2
4°	8320.1	7997.1	7408.4	7069.7	6903.0
5°	8320.1	7861.6	7043.7	6569.6	6392.5
6°	8309.7	7700.1	6673.8	6173.6	5907.9
7°	8325.3	7523.0	6340.4	5803.7	5595.4
8°	8320.1	7314.6	6033.0	5522.4	5293.2
9°	8335.7	7111.4	5699.5	5256.7	5084.8
10°	8320.1	6923.9	5480.7	5006.6	4829.5
11°	8320.1	6741.5	5324.4	4845.1	4694.1
12°	8330.5	6533.1	5152.5	4615.9	4407.5
13°	8356.6	6319.5	4954.5	4365.8	4121.0
14°	8361.8	6158.0	4772.2	4048.0	3792.8
15°	8340.9	6006.9	4579.4	3761.5	3459.3
16°	8330.5	5850.6	4350.2	3490.6	3219.7
17°	8351.3	5668.3	4089.7	3214.5	2964.4
18°	8356.6	5501.6	3813.6	3006.1	2787.3
19°	8356.6	5371.3	3589.6	2813.3	2625.8
20°	8356.6	5246.3	3360.3	2667.4	2505.9
21°	8346.1	5090.0	3099.8	2516.3	2380.9
22.5°	8351.3	4798.2	2802.9	2339.2	2229.8
23°	8335.7	4725.3	2729.9	2292.3	2177.7
24°	8340.9	4516.9	2573.7	2198.5	2089.1
25°	8346.1	4251.2	2422.6	2104.8	2005.8
26°	8335.7	4037.6	2297.5	2016.2	1948.5
27°	8309.7	3865.7	2209.0	1943.3	1880.7
28°	8273.2	3636.5	2115.2	1880.7	1823.4
29°	8236.7	3376.0	2021.4	1813.0	1771.3
30°	8215.9	3167.6	1932.8	1760.9	1724.5
32.5°	8090.9	2756.0	1750.5	1656.7	1625.5
35°	7856.4	2365.3	1620.3	1568.2	1547.3
37.5°	7549.0	2063.1	1521.3	1510.8	1516.1
40°	7043.7	1823.4	1448.3	1495.2	1542.1
42.5°	6439.3	1635.9	1396.2	1510.8	1562.9
45°	5678.7	1495.2	1365.0	1510.8	1562.9
47.5°	4834.7	1380.6	1328.5	1458.8	1510.8
50°	3990.7	1276.4	1255.6	1380.6	1427.5
52.5°	3245.7	1177.4	1161.8	1281.6	1328.5
55°	2604.9	1068.0	1052.4	1182.6	1229.5
57.5°	2089.1	963.8	948.2	1068.0	1114.9
60°	1667.1	859.6	833.6	953.4	1000.3
62.5°	1328.5	760.6	745.0	849.2	890.9
65°	1042.0	672.1	661.6	755.4	781.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	823.2	588.7	593.9	672.1	703.3
70°	635.6	510.6	541.8	614.8	635.6
72.5°	479.3	432.4	500.1	562.7	588.7
75°	354.3	364.7	458.5	526.2	552.2
77.5°	244.9	302.2	422.0	494.9	521.0
80°	166.7	244.9	385.5	468.9	500.1
82.5°	99.0	203.2	354.3	442.8	479.3
85°	46.9	166.7	323.0	422.0	453.3
87.5°	15.6	135.5	291.8	401.2	427.2
90°	0.0	114.6	270.9	375.1	390.7
92.5°	0.0	99.0	244.9	343.8	354.3
95°	0.0	83.4	224.0	307.4	323.0
97.5°	0.0	78.1	208.4	276.1	297.0
100°	0.0	72.9	187.6	250.1	270.9
102.5°	0.0	62.5	166.7	224.0	244.9
105°	0.0	62.5	145.9	208.4	224.0
107.5°	5.2	57.3	135.5	187.6	208.4
110°	5.2	57.3	119.8	177.1	192.8
112.5°	5.2	57.3	114.6	161.5	182.3
115°	5.2	52.1	109.4	151.1	161.5
117.5°	5.2	52.1	104.2	135.5	145.9
120°	5.2	46.9	99.0	125.0	130.2
122.5°	5.2	46.9	93.8	114.6	119.8
125°	5.2	46.9	93.8	109.4	114.6
127.5°	5.2	41.7	88.6	104.2	104.2
130°	5.2	41.7	83.4	99.0	99.0
132.5°	5.2	36.5	78.1	93.8	99.0
135°	5.2	36.5	72.9	88.6	93.8
137.5°	5.2	31.3	67.7	83.4	88.6
140°	5.2	31.3	62.5	78.1	83.4
142.5°	5.2	26.0	57.3	72.9	78.1
145°	5.2	26.0	52.1	67.7	72.9
147.5°	5.2	26.0	46.9	62.5	67.7
150°	5.2	20.8	41.7	57.3	62.5
152.5°	5.2	20.8	36.5	52.1	57.3
155°	5.2	15.6	31.3	46.9	52.1
157.5°	5.2	15.6	31.3	41.7	46.9
160°	10.4	15.6	26.0	36.5	41.7
162.5°	5.2	10.4	26.0	31.3	36.5
165°	10.4	10.4	20.8	26.0	31.3
167.5°	10.4	10.4	15.6	20.8	26.0
170°	10.4	10.4	15.6	15.6	20.8
172.5°	10.4	10.4	10.4	15.6	10.4
175°	10.4	10.4	10.4	10.4	5.2
177.5°	10.4	10.4	10.4	10.4	5.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	10.4	10.4	10.4	10.4	10.4

(END OF REPORT)