

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: P567220

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-LN-UNV-L840-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

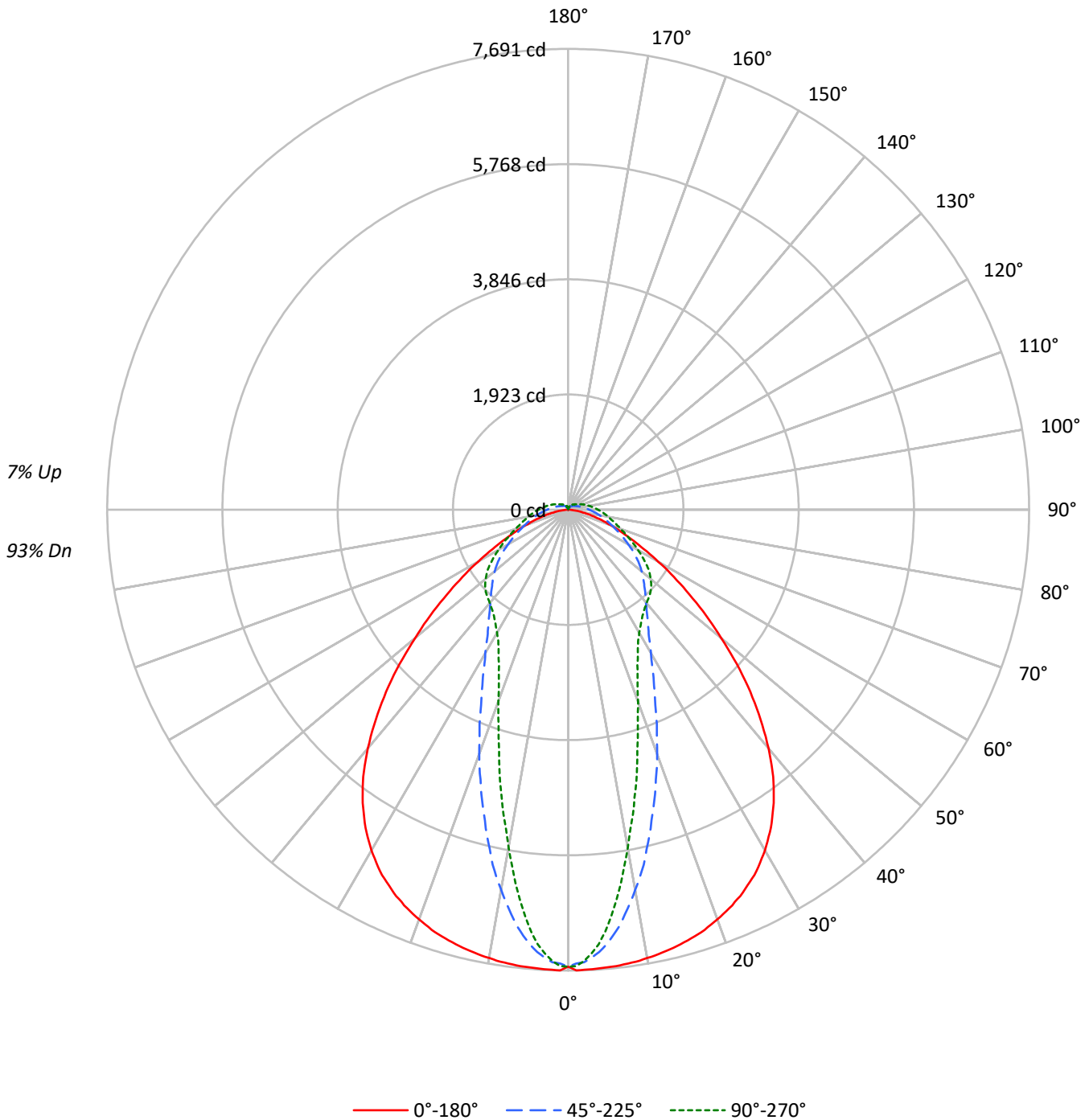
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12158.0 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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 (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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41049	41049	41049
5°	41337	37774	36105
10°	41356	32425	28012
15°	41414	26480	20995
20°	41362	21116	15712
25°	41071	16564	12469
30°	40301	13419	10636
35°	38704	11368	9675
40°	35902	10048	9158
45°	32020	9203	8875
50°	27226	8479	8384
55°	22469	7693	7657
60°	18072	6777	6716
65°	14137	5959	5845
70°	11096	5280	5170
75°	8729	4755	4710
80°	6359	4363	4378
85°	3815	4081	4199



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.4	5.6
10°-20°	1583.2	13.0
20°-30°	1879.3	15.5
30°-40°	1890.8	15.6
40°-50°	1757.6	14.5
50°-60°	1447.2	11.9
60°-70°	1019.8	8.4
70°-80°	666.2	5.5
80°-90°	425.4	3.5
90°-100°	279.0	2.3
100°-110°	189.4	1.6
110°-120°	129.8	1.1
120°-130°	89.8	0.7
130°-140°	60.4	0.5
140°-150°	37.2	0.3
150°-160°	19.3	0.2
160°-170°	7.0	0.1
170°-180°	1.2	0.0
0°-30°	4137.9	34.0
0°-40°	6028.7	49.6
0°-60°	9233.5	75.9
0°-90°	11344.9	93.3
90°-120°	598.1	4.9
90°-150°	785.6	6.5
90°-180°	813.0	6.7
0°-180°	12158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7627	7627	7627	7627	7627	
5°	7665	7563	7289	7149	7073	730
15°	7474	6678	5372	4696	4441	2111
25°	6984	5161	3422	2874	2753	3214
35°	5977	3492	2319	2173	2160	3717
45°	4295	2300	1797	1892	1943	3297
55°	2466	1510	1389	1542	1593	2227
65°	1160	911	956	1077	1115	1177
75°	452	472	644	758	790	489
85°	76	217	433	561	586	96
90°	0	147	350	478	497	4
95°	0	108	293	401	420	0
105°	0	76	198	280	306	0
115°	6	64	140	204	217	6
125°	6	51	115	147	159	6
135°	6	45	89	115	121	5
145°	6	32	64	89	96	4
155°	6	26	45	64	70	3
165°	6	13	26	32	38	2
175°	13	13	13	13	6	1
180°	6	6	6	6	6	



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CATALOG NUMBER: 8SNX-114SL-LN-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7627.1	7627.1	7627.1	7627.1	7627.1
1°	7690.8	7658.9	7576.1	7633.4	7620.7
2°	7684.4	7652.6	7557.0	7582.5	7537.9
3°	7678.1	7633.4	7486.9	7480.5	7416.8
4°	7671.7	7601.6	7397.7	7321.2	7270.3
5°	7665.3	7563.4	7289.4	7149.2	7072.7
6°	7658.9	7518.8	7149.2	6938.9	6830.6
7°	7646.2	7448.7	7002.6	6715.9	6575.7
8°	7633.4	7384.9	6817.9	6473.8	6301.7
9°	7620.7	7302.1	6633.1	6212.5	6008.6
10°	7595.2	7219.3	6441.9	5944.9	5728.3
11°	7582.5	7123.7	6257.1	5690.0	5435.2
12°	7557.0	7021.8	6059.6	5422.4	5199.4
13°	7531.5	6913.4	5817.5	5193.0	4925.4
14°	7506.0	6798.7	5607.2	4938.2	4689.7
15°	7474.2	6677.7	5371.5	4696.0	4441.2
16°	7442.3	6537.5	5161.2	4447.5	4179.9
17°	7410.4	6403.7	4963.7	4218.1	3976.0
18°	7372.2	6269.9	4734.3	3995.1	3759.4
19°	7321.2	6117.0	4549.5	3791.2	3574.6
20°	7276.6	5976.8	4339.2	3600.1	3408.9
21°	7225.7	5804.7	4128.9	3421.7	3230.5
22.5°	7149.2	5562.6	3861.3	3198.7	3020.2
23°	7111.0	5492.5	3753.0	3115.8	2962.9
24°	7060.0	5307.7	3574.6	2988.4	2835.5
25°	6983.5	5161.2	3421.7	2873.7	2752.6
26°	6913.4	4982.8	3268.7	2771.7	2650.7
27°	6843.3	4810.7	3134.9	2663.4	2561.5
28°	6754.1	4632.3	2988.4	2574.2	2485.0
29°	6658.6	4466.7	2867.3	2497.8	2427.7
30°	6563.0	4281.9	2765.4	2427.7	2370.3
32.5°	6295.4	3874.1	2504.1	2293.9	2255.6
35°	5976.8	3491.8	2319.3	2172.8	2160.0
37.5°	5620.0	3141.3	2153.7	2077.2	2090.0
40°	5199.4	2822.7	2013.5	2007.1	2032.6
42.5°	4753.4	2548.7	1905.2	1949.8	1988.0
45°	4294.6	2300.2	1796.9	1892.4	1943.4
47.5°	3816.7	2083.6	1701.3	1822.3	1879.7
50°	3332.5	1873.3	1599.3	1739.5	1796.9
52.5°	2899.2	1688.5	1497.4	1643.9	1707.6
55°	2465.9	1510.1	1389.1	1542.0	1593.0
57.5°	2090.0	1344.5	1274.4	1427.3	1465.5
60°	1739.5	1185.2	1159.7	1299.9	1344.5
62.5°	1420.9	1045.0	1051.4	1185.2	1229.8
65°	1159.7	911.2	955.8	1076.8	1115.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	943.0	783.7	860.2	987.6	1019.5
70°	745.5	669.0	783.7	898.4	930.3
72.5°	592.6	567.1	707.3	828.3	853.8
75°	452.4	471.5	643.6	758.2	790.1
77.5°	325.0	395.1	579.8	700.9	726.4
80°	229.4	325.0	528.9	649.9	675.4
82.5°	146.6	267.6	477.9	605.3	630.8
85°	76.5	216.6	433.3	560.7	586.2
87.5°	31.9	178.4	388.7	516.1	541.6
90°	0.0	146.6	350.5	477.9	497.0
92.5°	0.0	127.4	318.6	439.7	458.8
95°	0.0	108.3	293.1	401.4	420.5
97.5°	0.0	101.9	261.2	369.6	388.7
100°	0.0	89.2	235.8	337.7	363.2
102.5°	0.0	82.8	216.6	305.8	331.3
105°	0.0	76.5	197.5	280.4	305.8
107.5°	0.0	70.1	184.8	261.2	280.4
110°	0.0	70.1	165.7	242.1	261.2
112.5°	6.4	63.7	152.9	216.6	235.8
115°	6.4	63.7	140.2	203.9	216.6
117.5°	6.4	63.7	133.8	184.8	197.5
120°	6.4	57.3	127.4	172.0	184.8
122.5°	6.4	57.3	121.1	159.3	165.7
125°	6.4	51.0	114.7	146.6	159.3
127.5°	6.4	51.0	108.3	140.2	146.6
130°	6.4	51.0	101.9	127.4	140.2
132.5°	6.4	44.6	95.6	121.1	127.4
135°	6.4	44.6	89.2	114.7	121.1
137.5°	6.4	38.2	82.8	108.3	114.7
140°	6.4	38.2	76.5	101.9	108.3
142.5°	6.4	31.9	70.1	95.6	101.9
145°	6.4	31.9	63.7	89.2	95.6
147.5°	6.4	31.9	57.3	82.8	89.2
150°	6.4	25.5	51.0	76.5	82.8
152.5°	6.4	25.5	44.6	70.1	76.5
155°	6.4	25.5	44.6	63.7	70.1
157.5°	6.4	19.1	38.2	51.0	63.7
160°	6.4	19.1	31.9	44.6	57.3
162.5°	6.4	19.1	31.9	38.2	44.6
165°	6.4	12.7	25.5	31.9	38.2
167.5°	6.4	12.7	19.1	25.5	31.9
170°	6.4	12.7	19.1	19.1	25.5
172.5°	6.4	12.7	12.7	12.7	12.7
175°	12.7	12.7	12.7	12.7	6.4
177.5°	12.7	12.7	12.7	6.4	6.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)