

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: P567216

Luminaire Tested: **8SNX-114SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567216
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-L940-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

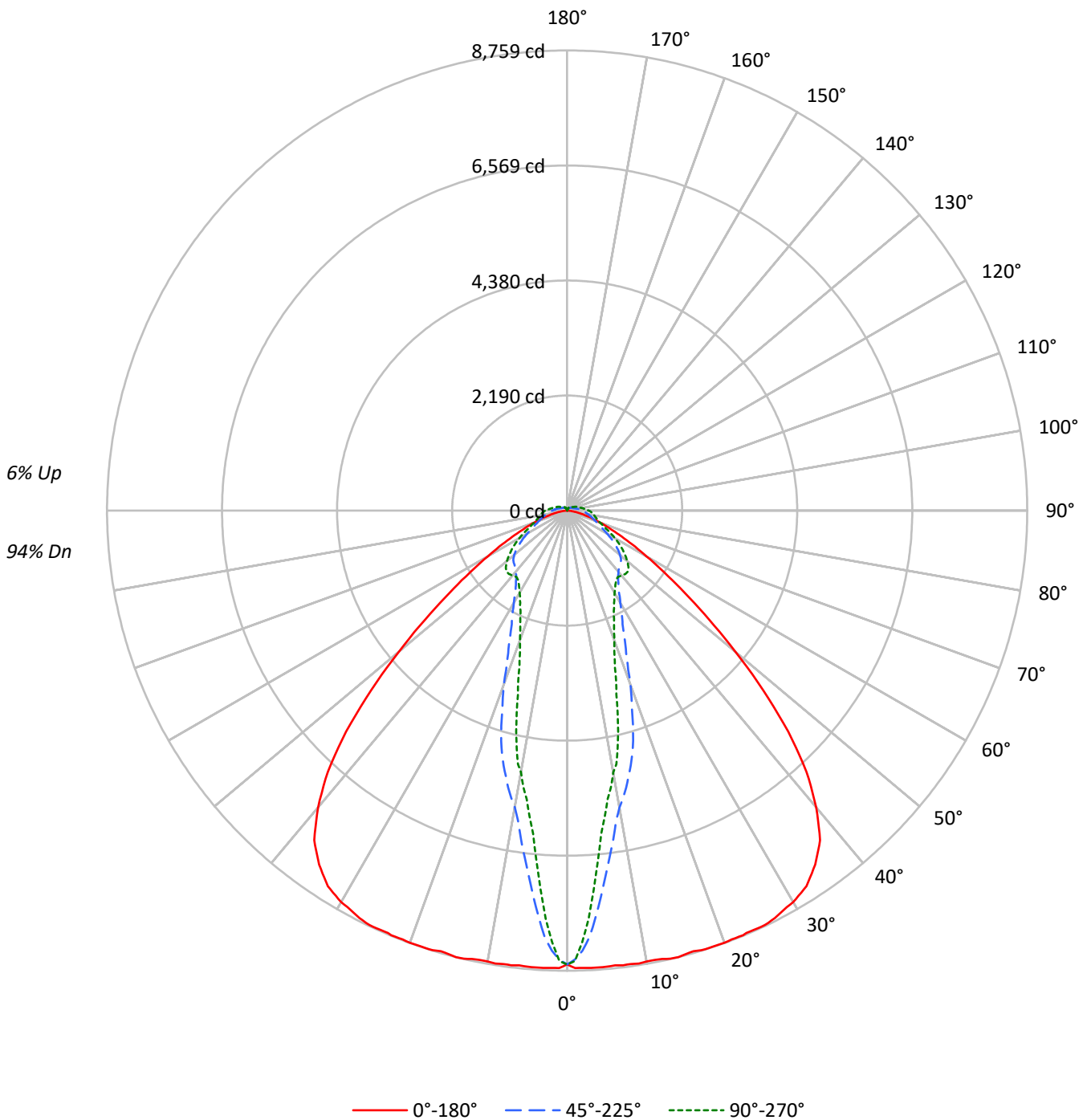
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10649.0 lumens
Efficiency: N/A
Efficacy: 134.1 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°	46495	46495	46495
5°	46999	38235	34183
10°	47455	28898	24739
15°	48412	23648	17130
20°	49758	17129	12099
25°	51418	12285	9518
30°	52848	9825	8106
35°	53293	8319	7260
40°	50947	7570	7278
45°	44351	7323	7477
50°	34153	6972	6977
55°	24864	6105	6190
60°	18143	5103	5234
65°	13306	4321	4291
70°	9910	3824	3700
75°	7160	3548	3449
80°	4840	3331	3396
85°	2449	3187	3401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.4	6.4
10°-20°	1475.3	13.9
20°-30°	1688.7	15.9
30°-40°	1691.7	15.9
40°-50°	1601.4	15.0
50°-60°	1228.2	11.5
60°-70°	791.7	7.4
70°-80°	504.8	4.7
80°-90°	335.2	3.1
90°-100°	225.4	2.1
100°-110°	148.5	1.4
110°-120°	103.3	1.0
120°-130°	72.1	0.7
130°-140°	50.0	0.5
140°-150°	30.6	0.3
150°-160°	15.5	0.1
160°-170°	6.0	0.1
170°-180°	1.2	0.0
0°-30°	3843.4	36.1
0°-40°	5535.2	52.0
0°-60°	8364.8	78.6
0°-90°	9996.5	93.9
90°-120°	477.1	4.5
90°-150°	629.8	5.9
90°-180°	653.0	6.1
0°-180°	10649.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8639	8639	8639	8639	8639	
5°	8715	8235	7378	6882	6696	832
15°	8737	6292	4797	3940	3624	2478
25°	8743	4453	2538	2205	2101	4030
35°	8230	2478	1697	1643	1621	5106
45°	5948	1566	1430	1583	1637	4523
55°	2729	1119	1102	1239	1288	2509
65°	1092	704	693	791	819	1123
75°	371	382	480	551	578	408
85°	49	175	338	442	475	67
90°	0	120	284	393	409	2
95°	0	87	235	322	338	0
105°	0	66	153	218	235	4
115°	6	55	115	158	169	5
125°	6	49	98	115	120	5
135°	6	38	76	93	98	4
145°	6	27	55	71	76	3
155°	6	16	33	49	55	3
165°	11	11	22	27	33	3
175°	11	11	11	11	6	1
180°	11	11	11	11	11	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8639.0	8639.0	8639.0	8639.0	8639.0
1°	8709.9	8660.8	8546.2	8579.0	8573.5
2°	8709.9	8606.2	8382.5	8317.0	8218.8
3°	8715.4	8513.5	8131.5	7918.6	7782.2
4°	8715.4	8377.0	7760.4	7405.6	7231.0
5°	8715.4	8235.1	7378.3	6881.7	6696.2
6°	8704.5	8066.0	6990.9	6467.0	6188.6
7°	8720.8	7880.4	6641.6	6079.5	5861.2
8°	8715.4	7662.1	6319.6	5784.8	5544.7
9°	8731.8	7449.3	5970.3	5506.5	5326.4
10°	8715.4	7252.8	5741.1	5244.5	5059.0
11°	8715.4	7061.8	5577.4	5075.3	4917.1
12°	8726.3	6843.5	5397.3	4835.2	4616.9
13°	8753.6	6619.8	5189.9	4573.3	4316.8
14°	8759.0	6450.6	4998.9	4240.4	3973.0
15°	8737.2	6292.3	4797.0	3940.2	3623.7
16°	8726.3	6128.6	4556.9	3656.4	3372.6
17°	8748.1	5937.6	4284.0	3367.2	3105.2
18°	8753.6	5763.0	3994.8	3148.9	2919.7
19°	8753.6	5626.5	3760.1	2947.0	2750.5
20°	8753.6	5495.6	3520.0	2794.2	2625.0
21°	8742.7	5331.8	3247.1	2635.9	2494.0
22.5°	8748.1	5026.2	2936.1	2450.4	2335.7
23°	8731.8	4949.8	2859.7	2401.2	2281.2
24°	8737.2	4731.5	2695.9	2303.0	2188.4
25°	8742.7	4453.2	2537.7	2204.8	2101.1
26°	8731.8	4229.4	2406.7	2112.0	2041.0
27°	8704.5	4049.4	2313.9	2035.6	1970.1
28°	8666.3	3809.2	2215.7	1970.1	1910.1
29°	8628.1	3536.4	2117.5	1899.2	1855.5
30°	8606.2	3318.1	2024.7	1844.6	1806.4
32.5°	8475.3	2886.9	1833.7	1735.4	1702.7
35°	8229.7	2477.6	1697.2	1642.7	1620.8
37.5°	7907.7	2161.1	1593.5	1582.6	1588.1
40°	7378.3	1910.1	1517.1	1566.3	1615.4
42.5°	6745.3	1713.6	1462.6	1582.6	1637.2
45°	5948.5	1566.3	1429.8	1582.6	1637.2
47.5°	5064.4	1446.2	1391.6	1528.1	1582.6
50°	4180.3	1337.1	1315.2	1446.2	1495.3
52.5°	3399.9	1233.4	1217.0	1342.5	1391.6
55°	2728.7	1118.8	1102.4	1238.8	1287.9
57.5°	2188.4	1009.6	993.2	1118.8	1167.9
60°	1746.4	900.5	873.2	998.7	1047.8
62.5°	1391.6	796.8	780.4	889.5	933.2
65°	1091.5	704.0	693.1	791.3	818.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	862.3	616.7	622.1	704.0	736.7
70°	665.8	534.8	567.6	644.0	665.8
72.5°	502.1	453.0	523.9	589.4	616.7
75°	371.1	382.0	480.2	551.2	578.5
77.5°	256.5	316.5	442.0	518.4	545.7
80°	174.6	256.5	403.8	491.2	523.9
82.5°	103.7	212.8	371.1	463.9	502.1
85°	49.1	174.6	338.4	442.0	474.8
87.5°	16.4	141.9	305.6	420.2	447.5
90°	0.0	120.1	283.8	392.9	409.3
92.5°	0.0	103.7	256.5	360.2	371.1
95°	0.0	87.3	234.7	322.0	338.4
97.5°	0.0	81.9	218.3	289.2	311.1
100°	0.0	76.4	196.5	262.0	283.8
102.5°	0.0	65.5	174.6	234.7	256.5
105°	0.0	65.5	152.8	218.3	234.7
107.5°	5.5	60.0	141.9	196.5	218.3
110°	5.5	60.0	125.5	185.5	201.9
112.5°	5.5	60.0	120.1	169.2	191.0
115°	5.5	54.6	114.6	158.3	169.2
117.5°	5.5	54.6	109.1	141.9	152.8
120°	5.5	49.1	103.7	131.0	136.4
122.5°	5.5	49.1	98.2	120.1	125.5
125°	5.5	49.1	98.2	114.6	120.1
127.5°	5.5	43.7	92.8	109.1	109.1
130°	5.5	43.7	87.3	103.7	103.7
132.5°	5.5	38.2	81.9	98.2	103.7
135°	5.5	38.2	76.4	92.8	98.2
137.5°	5.5	32.7	70.9	87.3	92.8
140°	5.5	32.7	65.5	81.9	87.3
142.5°	5.5	27.3	60.0	76.4	81.9
145°	5.5	27.3	54.6	70.9	76.4
147.5°	5.5	27.3	49.1	65.5	70.9
150°	5.5	21.8	43.7	60.0	65.5
152.5°	5.5	21.8	38.2	54.6	60.0
155°	5.5	16.4	32.7	49.1	54.6
157.5°	5.5	16.4	32.7	43.7	49.1
160°	10.9	16.4	27.3	38.2	43.7
162.5°	5.5	10.9	27.3	32.7	38.2
165°	10.9	10.9	21.8	27.3	32.7
167.5°	10.9	10.9	16.4	21.8	27.3
170°	10.9	10.9	16.4	16.4	21.8
172.5°	10.9	10.9	10.9	16.4	10.9
175°	10.9	10.9	10.9	10.9	5.5
177.5°	10.9	10.9	10.9	10.9	5.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	10.9	10.9	10.9	10.9	10.9

(END OF REPORT)