

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: P567211

Luminaire Tested: **8SNX-114SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567211  
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-L835-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

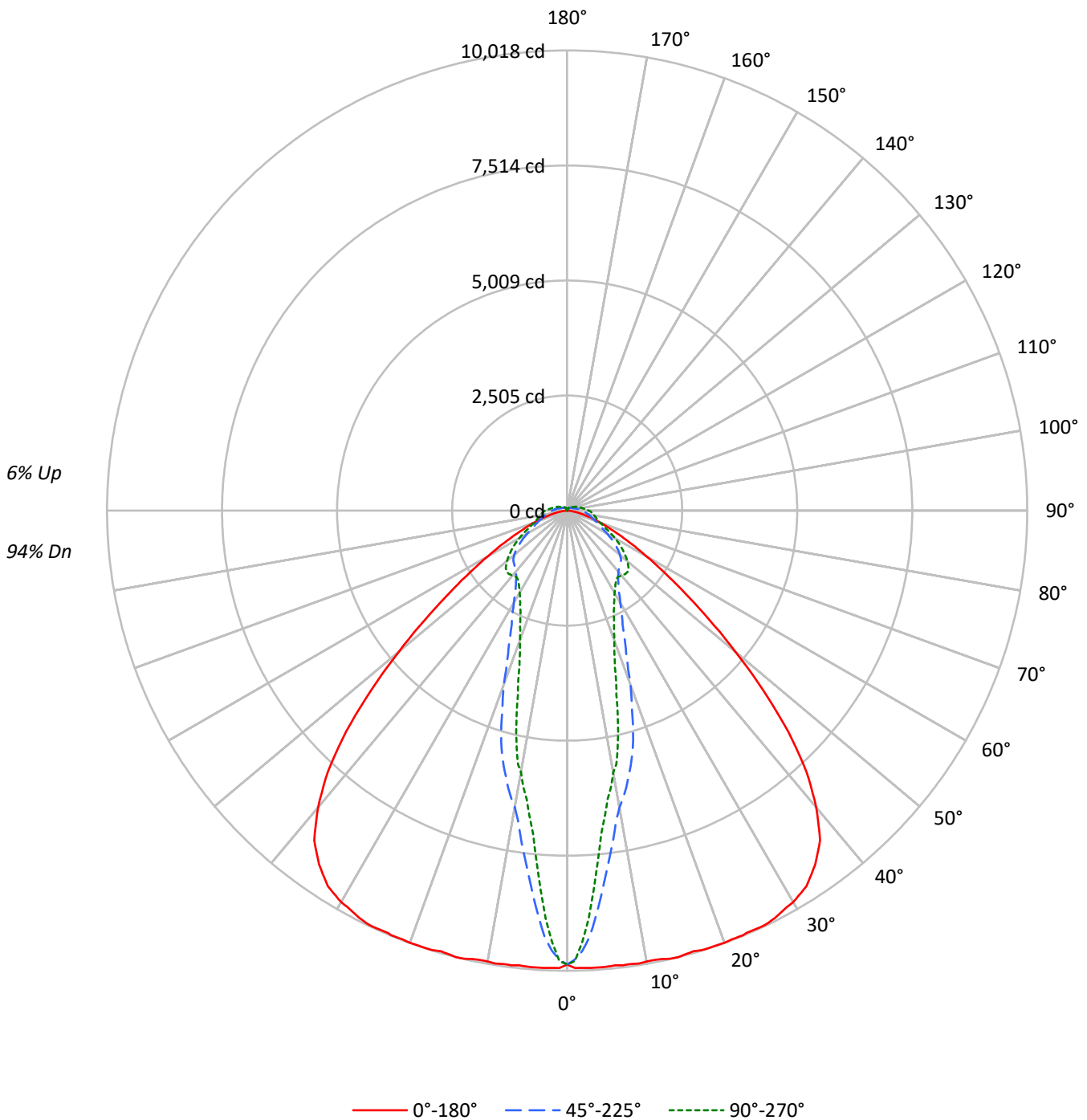
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12180.0 lumens  
Efficiency: N/A  
Efficacy: 153.4 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	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°	53179	53179	53179
5°	53756	43732	39097
10°	54278	33053	28296
15°	55372	27048	19593
20°	56911	19592	13838
25°	58810	14051	10887
30°	60446	11238	9271
35°	60955	9515	8304
40°	58271	8659	8324
45°	50728	8376	8552
50°	39063	7975	7980
55°	28439	6983	7081
60°	20751	5836	5987
65°	15218	4942	4907
70°	11334	4374	4232
75°	8190	4059	3944
80°	5535	3810	3884
85°	2803	3645	3890



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	777.1	6.4
10°-20°	1687.4	13.9
20°-30°	1931.5	15.9
30°-40°	1935.0	15.9
40°-50°	1831.7	15.0
50°-60°	1404.8	11.5
60°-70°	905.5	7.4
70°-80°	577.4	4.7
80°-90°	383.4	3.1
90°-100°	257.7	2.1
100°-110°	169.8	1.4
110°-120°	118.1	1.0
120°-130°	82.4	0.7
130°-140°	57.2	0.5
140°-150°	35.0	0.3
150°-160°	17.8	0.1
160°-170°	6.8	0.1
170°-180°	1.3	0.0
0°-30°	4396.0	36.1
0°-40°	6331.0	52.0
0°-60°	9567.4	78.6
0°-90°	11433.7	93.9
90°-120°	545.7	4.5
90°-150°	720.4	5.9
90°-180°	746.0	6.1
0°-180°	12180.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9881	9881	9881	9881	9881	
5°	9968	9419	8439	7871	7659	952
15°	9993	7197	5487	4507	4145	2835
25°	10000	5093	2902	2522	2403	4610
35°	9413	2834	1941	1879	1854	5840
45°	6804	1791	1635	1810	1873	5173
55°	3121	1280	1261	1417	1473	2870
65°	1248	805	793	905	936	1284
75°	424	437	549	630	662	467
85°	56	200	387	506	543	77
90°	0	137	325	449	468	3
95°	0	100	268	368	387	0
105°	0	75	175	250	268	4
115°	6	62	131	181	194	6
125°	6	56	112	131	137	6
135°	6	44	87	106	112	5
145°	6	31	62	81	87	4
155°	6	19	38	56	62	3
165°	12	12	25	31	38	3
175°	12	12	12	12	6	1
180°	12	12	12	12	12	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	9881.0	9881.0	9881.0	9881.0	9881.0
1°	9962.2	9906.0	9774.9	9812.3	9806.1
2°	9962.2	9843.6	9587.6	9512.7	9400.4
3°	9968.4	9737.4	9300.5	9057.1	8901.0
4°	9968.4	9581.4	8876.1	8470.3	8270.6
5°	9968.4	9419.1	8439.1	7871.1	7658.9
6°	9955.9	9225.6	7995.9	7396.7	7078.4
7°	9974.6	9013.4	7596.5	6953.5	6703.9
8°	9968.4	8763.7	7228.2	6616.5	6341.8
9°	9987.1	8520.3	6828.7	6298.1	6092.1
10°	9968.4	8295.6	6566.5	5998.5	5786.3
11°	9968.4	8077.1	6379.3	5805.0	5624.0
12°	9980.9	7827.4	6173.3	5530.4	5280.7
13°	10012.1	7571.5	5936.1	5230.8	4937.4
14°	10018.3	7378.0	5717.6	4850.0	4544.1
15°	9993.4	7197.0	5486.7	4506.7	4144.7
16°	9980.9	7009.7	5212.0	4182.1	3857.5
17°	10005.8	6791.2	4899.9	3851.3	3551.7
18°	10012.1	6591.5	4569.1	3601.6	3339.4
19°	10012.1	6435.5	4300.7	3370.7	3145.9
20°	10012.1	6285.6	4026.1	3195.9	3002.4
21°	9999.6	6098.4	3714.0	3014.9	2852.6
22.5°	10005.8	5748.8	3358.2	2802.6	2671.6
23°	9987.1	5661.4	3270.8	2746.5	2609.1
24°	9993.4	5411.8	3083.5	2634.1	2503.0
25°	9999.6	5093.4	2902.5	2521.7	2403.2
26°	9987.1	4837.5	2752.7	2415.6	2334.5
27°	9955.9	4631.5	2646.6	2328.2	2253.3
28°	9912.2	4356.9	2534.2	2253.3	2184.7
29°	9868.5	4044.8	2421.9	2172.2	2122.3
30°	9843.6	3795.1	2315.8	2109.8	2066.1
32.5°	9693.7	3302.0	2097.3	1984.9	1947.5
35°	9412.9	2833.8	1941.2	1878.8	1853.9
37.5°	9044.6	2471.8	1822.6	1810.2	1816.4
40°	8439.1	2184.7	1735.3	1791.4	1847.6
42.5°	7715.1	1960.0	1672.8	1810.2	1872.6
45°	6803.7	1791.4	1635.4	1810.2	1872.6
47.5°	5792.5	1654.1	1591.7	1747.7	1810.2
50°	4781.3	1529.3	1504.3	1654.1	1710.3
52.5°	3888.7	1410.7	1392.0	1535.5	1591.7
55°	3121.0	1279.6	1260.9	1416.9	1473.1
57.5°	2503.0	1154.8	1136.0	1279.6	1335.8
60°	1997.4	1029.9	998.7	1142.3	1198.5
62.5°	1591.7	911.3	892.6	1017.4	1067.4
65°	1248.4	805.2	792.7	905.1	936.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	986.2	705.3	711.6	805.2	842.7
70°	761.5	611.7	649.2	736.6	761.5
72.5°	574.3	518.1	599.2	674.1	705.3
75°	424.5	436.9	549.3	630.4	661.6
77.5°	293.4	362.0	505.6	593.0	624.2
80°	199.7	293.4	461.9	561.8	599.2
82.5°	118.6	243.4	424.5	530.6	574.3
85°	56.2	199.7	387.0	505.6	543.0
87.5°	18.7	162.3	349.5	480.6	511.8
90°	0.0	137.3	324.6	449.4	468.1
92.5°	0.0	118.6	293.4	412.0	424.5
95°	0.0	99.9	268.4	368.3	387.0
97.5°	0.0	93.6	249.7	330.8	355.8
100°	0.0	87.4	224.7	299.6	324.6
102.5°	0.0	74.9	199.7	268.4	293.4
105°	0.0	74.9	174.8	249.7	268.4
107.5°	6.2	68.7	162.3	224.7	249.7
110°	6.2	68.7	143.6	212.2	231.0
112.5°	6.2	68.7	137.3	193.5	218.5
115°	6.2	62.4	131.1	181.0	193.5
117.5°	6.2	62.4	124.8	162.3	174.8
120°	6.2	56.2	118.6	149.8	156.0
122.5°	6.2	56.2	112.4	137.3	143.6
125°	6.2	56.2	112.4	131.1	137.3
127.5°	6.2	49.9	106.1	124.8	124.8
130°	6.2	49.9	99.9	118.6	118.6
132.5°	6.2	43.7	93.6	112.4	118.6
135°	6.2	43.7	87.4	106.1	112.4
137.5°	6.2	37.5	81.1	99.9	106.1
140°	6.2	37.5	74.9	93.6	99.9
142.5°	6.2	31.2	68.7	87.4	93.6
145°	6.2	31.2	62.4	81.1	87.4
147.5°	6.2	31.2	56.2	74.9	81.1
150°	6.2	25.0	49.9	68.7	74.9
152.5°	6.2	25.0	43.7	62.4	68.7
155°	6.2	18.7	37.5	56.2	62.4
157.5°	6.2	18.7	37.5	49.9	56.2
160°	12.5	18.7	31.2	43.7	49.9
162.5°	6.2	12.5	31.2	37.5	43.7
165°	12.5	12.5	25.0	31.2	37.5
167.5°	12.5	12.5	18.7	25.0	31.2
170°	12.5	12.5	18.7	18.7	25.0
172.5°	12.5	12.5	12.5	18.7	12.5
175°	12.5	12.5	12.5	12.5	6.2
177.5°	12.5	12.5	12.5	12.5	6.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	12.5	12.5	12.5	12.5	12.5

(END OF REPORT)