

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: P567240

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567240
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-SLW-UNV-L940-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

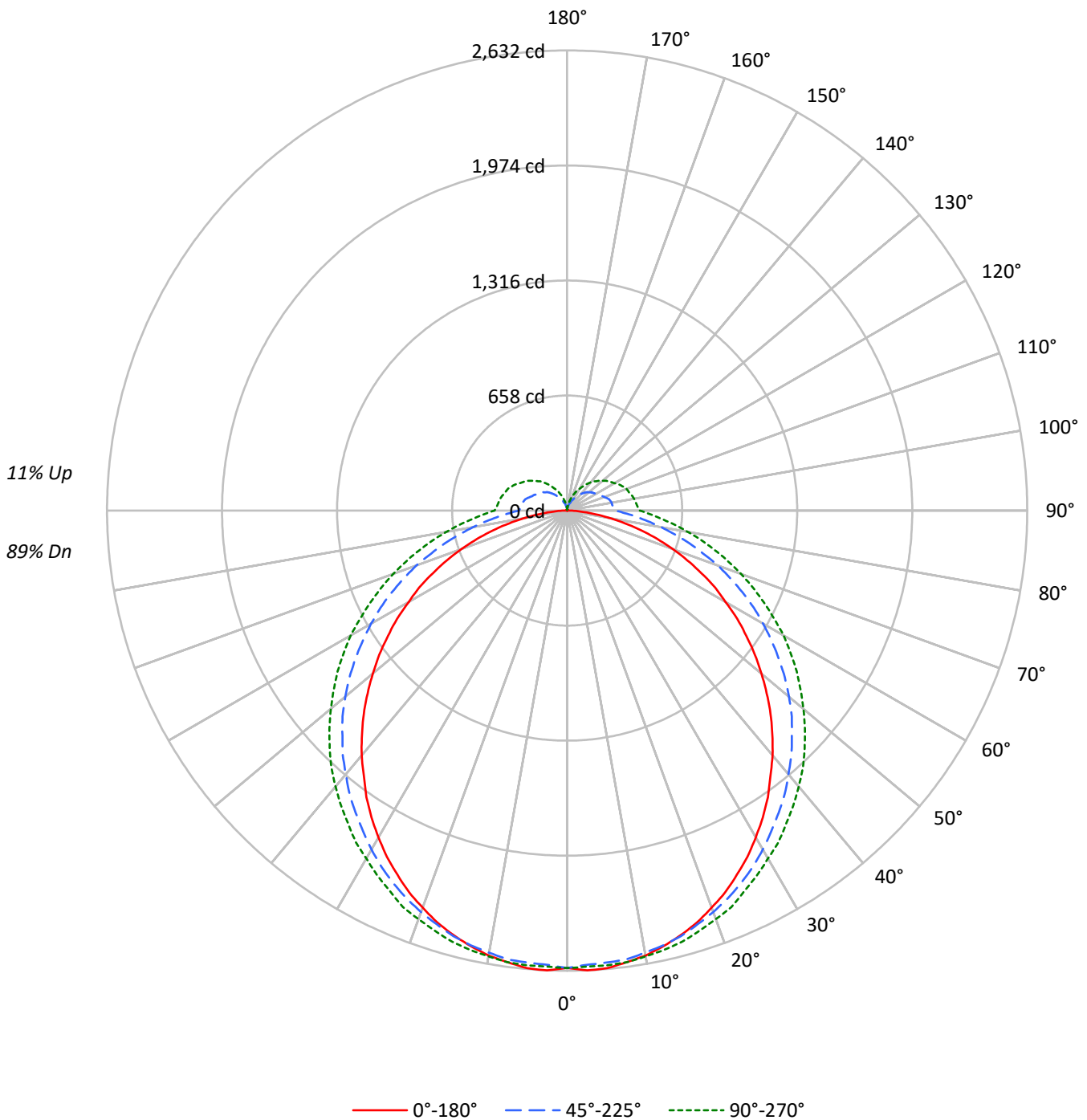
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9314.0 lumens
Efficiency: N/A
Efficacy: 117.3 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: 0.08')
CIE Type: Semi-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	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	76	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°	14081	14081	14081
5°	14180	13727	13707
10°	14096	13458	13368
15°	13968	13181	13056
20°	13789	12863	12708
25°	13581	12550	12344
30°	13330	12206	11984
35°	13055	11849	11647
40°	12737	11498	11323
45°	12394	11140	10973
50°	12001	10761	10583
55°	11572	10306	10198
60°	11066	9819	9769
65°	10550	9270	9229
70°	9821	8667	8701
75°	8854	7897	8116
80°	7262	7116	7540
85°	5360	6455	6947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	2.7
10°-20°	714.3	7.7
20°-30°	1086.1	11.7
30°-40°	1318.4	14.2
40°-50°	1393.2	15.0
50°-60°	1303.7	14.0
60°-70°	1069.7	11.5
70°-80°	735.7	7.9
80°-90°	402.9	4.3
90°-100°	259.4	2.8
100°-110°	232.8	2.5
110°-120°	192.7	2.1
120°-130°	148.4	1.6
130°-140°	104.3	1.1
140°-150°	62.8	0.7
150°-160°	30.1	0.3
160°-170°	9.9	0.1
170°-180°	1.2	0.0
0°-30°	2048.9	22.0
0°-40°	3367.3	36.2
0°-60°	6064.1	65.1
0°-90°	8272.4	88.8
90°-120°	685.0	7.4
90°-150°	1000.4	10.7
90°-180°	1042.0	11.2
0°-180°	9314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2616	2616	2616	2616	2616	
5°	2627	2622	2595	2616	2611	249
15°	2514	2525	2519	2552	2552	709
25°	2298	2325	2352	2400	2400	1059
35°	2001	2050	2109	2169	2185	1250
45°	1645	1721	1818	1899	1920	1268
55°	1252	1354	1478	1570	1602	1120
65°	847	960	1106	1208	1241	839
75°	442	561	723	836	874	466
85°	97	232	394	502	539	112
90°	0	130	275	378	415	7
95°	0	124	264	361	399	0
105°	0	102	248	340	372	4
115°	5	92	210	302	340	5
125°	5	76	178	259	291	5
135°	5	59	146	210	237	4
145°	5	43	102	162	178	3
155°	5	27	65	102	119	2
165°	5	16	32	49	59	2
175°	5	5	11	11	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2616.3	2616.3	2616.3	2616.3	2616.3
2.5°	2632.5	2627.1	2600.1	2621.7	2610.9
5°	2627.1	2621.7	2594.7	2616.3	2610.9
7.5°	2605.5	2605.5	2589.4	2610.9	2605.5
10°	2584.0	2584.0	2567.8	2594.7	2589.4
12.5°	2551.6	2557.0	2546.2	2578.6	2573.2
15°	2513.8	2524.6	2519.2	2551.6	2551.6
17.5°	2470.7	2481.5	2481.5	2519.2	2519.2
20°	2416.7	2432.9	2443.7	2486.9	2486.9
22.5°	2362.8	2384.4	2400.5	2438.3	2454.5
25°	2298.0	2325.0	2352.0	2400.5	2400.5
27.5°	2233.3	2265.7	2298.0	2346.6	2352.0
30°	2157.8	2195.6	2238.7	2287.3	2298.0
32.5°	2082.3	2130.8	2174.0	2233.3	2249.5
35°	2001.4	2049.9	2109.2	2168.6	2184.8
37.5°	1909.6	1969.0	2044.5	2109.2	2125.4
40°	1828.7	1893.5	1969.0	2044.5	2060.7
42.5°	1737.0	1807.2	1898.9	1969.0	1996.0
45°	1645.3	1720.8	1817.9	1898.9	1920.4
47.5°	1548.2	1634.5	1742.4	1817.9	1844.9
50°	1451.1	1542.8	1656.1	1742.4	1764.0
52.5°	1354.0	1451.1	1569.8	1656.1	1683.1
55°	1251.5	1354.0	1478.1	1569.8	1602.2
57.5°	1154.4	1256.9	1386.4	1483.5	1515.8
60°	1046.5	1165.2	1294.7	1391.8	1429.5
62.5°	954.8	1062.7	1203.0	1300.1	1332.4
65°	846.9	960.2	1105.9	1208.4	1240.7
67.5°	744.4	863.1	1008.8	1116.7	1149.0
70°	641.9	760.6	917.1	1019.6	1057.3
72.5°	539.4	663.5	814.6	927.9	965.6
75°	442.3	561.0	722.9	836.1	873.9
77.5°	339.9	469.3	631.2	744.4	787.6
80°	248.1	383.0	544.8	658.1	701.3
82.5°	167.2	302.1	463.9	577.2	620.4
85°	97.1	232.0	393.8	501.7	539.4
87.5°	48.6	178.0	329.1	437.0	474.7
90°	0.0	129.5	275.1	377.6	415.4
92.5°	0.0	124.1	269.7	366.8	404.6
95°	0.0	124.1	264.3	361.4	399.2
97.5°	0.0	118.7	258.9	361.4	393.8
100°	0.0	113.3	258.9	356.0	388.4
102.5°	0.0	107.9	253.5	350.6	383.0
105°	0.0	102.5	248.1	339.9	372.2
107.5°	5.4	102.5	237.4	334.5	366.8
110°	5.4	97.1	226.6	329.1	361.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.4	91.7	215.8	318.3	350.6
115°	5.4	91.7	210.4	302.1	339.9
117.5°	5.4	86.3	199.6	291.3	329.1
120°	5.4	86.3	194.2	280.5	312.9
122.5°	5.4	80.9	183.4	269.7	302.1
125°	5.4	75.5	178.0	258.9	291.3
127.5°	5.4	70.1	172.6	248.1	280.5
130°	5.4	64.7	161.8	237.4	264.3
132.5°	5.4	64.7	156.4	221.2	253.5
135°	5.4	59.3	145.7	210.4	237.4
137.5°	5.4	53.9	134.9	199.6	226.6
140°	5.4	48.6	124.1	188.8	210.4
142.5°	5.4	48.6	113.3	172.6	194.2
145°	5.4	43.2	102.5	161.8	178.0
147.5°	5.4	37.8	91.7	145.7	161.8
150°	5.4	37.8	80.9	129.5	145.7
152.5°	5.4	32.4	70.1	118.7	134.9
155°	5.4	27.0	64.7	102.5	118.7
157.5°	5.4	27.0	53.9	86.3	102.5
160°	5.4	21.6	48.6	70.1	86.3
162.5°	5.4	21.6	43.2	59.3	75.5
165°	5.4	16.2	32.4	48.6	59.3
167.5°	5.4	16.2	27.0	37.8	48.6
170°	5.4	10.8	21.6	27.0	37.8
172.5°	5.4	10.8	16.2	16.2	16.2
175°	5.4	5.4	10.8	10.8	5.4
177.5°	5.4	5.4	5.4	5.4	5.4
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)