

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: P567241

Luminaire Tested: **8SNX-114SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567241
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-L950-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

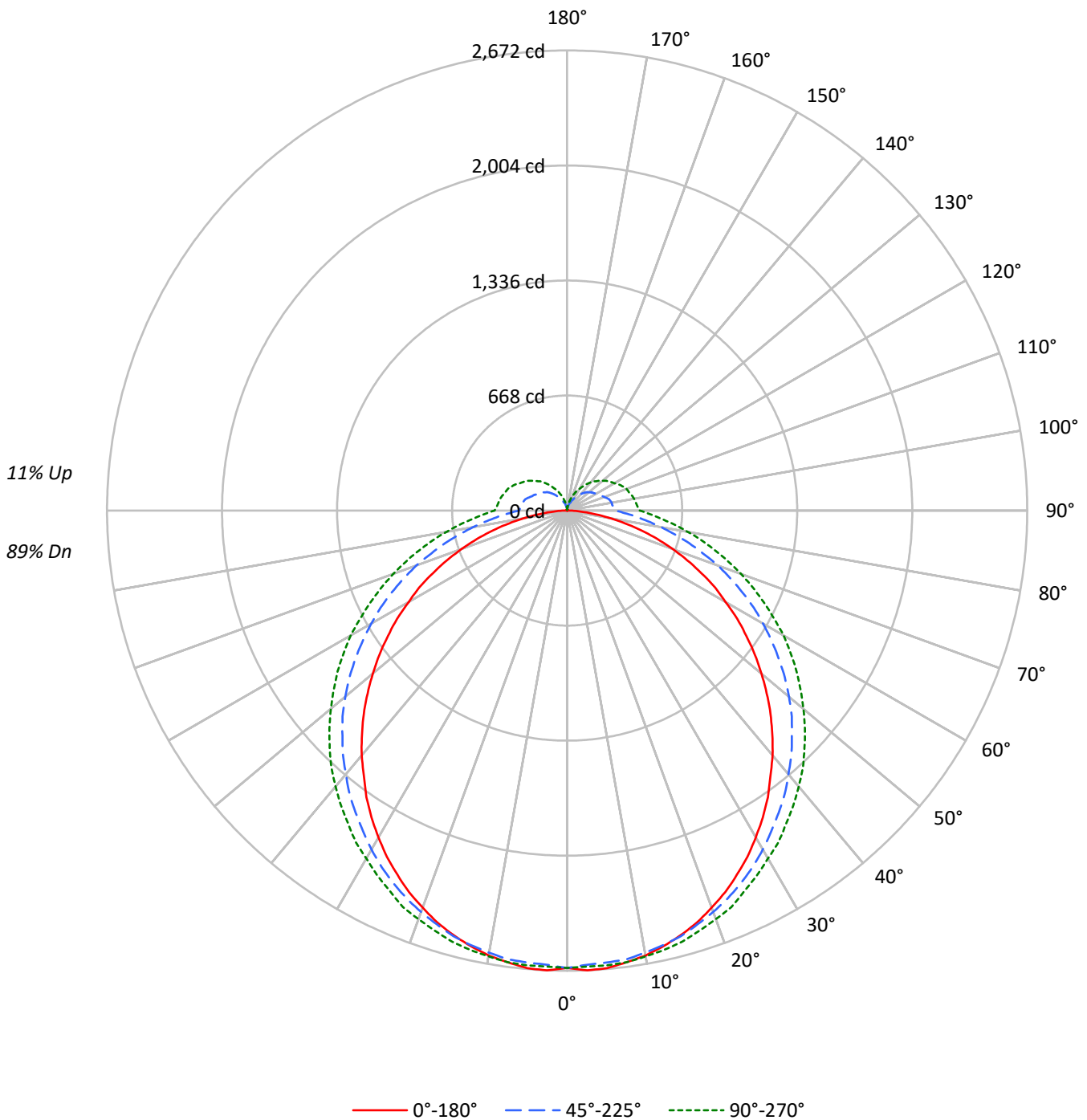
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9455.0 lumens
Efficiency: N/A
Efficacy: 119.1 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°	14294	14294	14294
5°	14395	13935	13915
10°	14309	13662	13571
15°	14179	13381	13253
20°	13998	13057	12900
25°	13786	12740	12531
30°	13532	12391	12165
35°	13252	12029	11823
40°	12930	11672	11495
45°	12582	11309	11140
50°	12183	10924	10743
55°	11747	10462	10352
60°	11234	9967	9918
65°	10711	9410	9369
70°	9971	8797	8833
75°	8989	8016	8239
80°	7373	7224	7654
85°	5443	6553	7052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.3	2.7
10°-20°	725.1	7.7
20°-30°	1102.5	11.7
30°-40°	1338.4	14.2
40°-50°	1414.3	15.0
50°-60°	1323.4	14.0
60°-70°	1085.9	11.5
70°-80°	746.9	7.9
80°-90°	409.0	4.3
90°-100°	263.4	2.8
100°-110°	236.3	2.5
110°-120°	195.6	2.1
120°-130°	150.6	1.6
130°-140°	105.9	1.1
140°-150°	63.8	0.7
150°-160°	30.5	0.3
160°-170°	10.0	0.1
170°-180°	1.2	0.0
0°-30°	2079.9	22.0
0°-40°	3418.3	36.2
0°-60°	6155.9	65.1
0°-90°	8397.7	88.8
90°-120°	695.3	7.4
90°-150°	1015.6	10.7
90°-180°	1057.0	11.2
0°-180°	9455.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2656	2656	2656	2656	2656	
5°	2667	2661	2634	2656	2650	253
15°	2552	2563	2557	2590	2590	720
25°	2333	2360	2388	2437	2437	1075
35°	2032	2081	2141	2201	2218	1269
45°	1670	1747	1846	1928	1950	1287
55°	1270	1374	1500	1594	1626	1137
65°	860	975	1123	1227	1260	851
75°	449	570	734	849	887	473
85°	99	236	400	509	548	114
90°	0	131	279	383	422	7
95°	0	126	268	367	405	0
105°	0	104	252	345	378	4
115°	6	93	214	307	345	5
125°	6	77	181	263	296	5
135°	6	60	148	214	241	4
145°	6	44	104	164	181	3
155°	6	27	66	104	120	3
165°	6	16	33	49	60	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2655.9	2655.9	2655.9	2655.9	2655.9
2.5°	2672.4	2666.9	2639.5	2661.4	2650.5
5°	2666.9	2661.4	2634.0	2655.9	2650.5
7.5°	2645.0	2645.0	2628.6	2650.5	2645.0
10°	2623.1	2623.1	2606.6	2634.0	2628.6
12.5°	2590.2	2595.7	2584.7	2617.6	2612.1
15°	2551.9	2562.8	2557.4	2590.2	2590.2
17.5°	2508.1	2519.0	2519.0	2557.4	2557.4
20°	2453.3	2469.7	2480.7	2524.5	2524.5
22.5°	2398.6	2420.5	2436.9	2475.2	2491.6
25°	2332.8	2360.2	2387.6	2436.9	2436.9
27.5°	2267.1	2300.0	2332.8	2382.1	2387.6
30°	2190.5	2228.8	2272.6	2321.9	2332.8
32.5°	2113.8	2163.1	2206.9	2267.1	2283.6
35°	2031.7	2080.9	2141.2	2201.4	2217.8
37.5°	1938.6	1998.8	2075.5	2141.2	2157.6
40°	1856.4	1922.1	1998.8	2075.5	2091.9
42.5°	1763.3	1834.5	1927.6	1998.8	2026.2
45°	1670.2	1746.9	1845.5	1927.6	1949.5
47.5°	1571.7	1659.3	1768.8	1845.5	1872.8
50°	1473.1	1566.2	1681.2	1768.8	1790.7
52.5°	1374.5	1473.1	1593.6	1681.2	1708.6
55°	1270.5	1374.5	1500.5	1593.6	1626.4
57.5°	1171.9	1275.9	1407.4	1505.9	1538.8
60°	1062.4	1182.8	1314.3	1412.8	1451.2
62.5°	969.3	1078.8	1221.2	1319.8	1352.6
65°	859.8	974.8	1122.6	1226.7	1259.5
67.5°	755.7	876.2	1024.0	1133.6	1166.4
70°	651.7	772.1	930.9	1035.0	1073.3
72.5°	547.6	673.6	826.9	941.9	980.2
75°	449.0	569.5	733.8	848.8	887.1
77.5°	345.0	476.4	640.7	755.7	799.5
80°	251.9	388.8	553.1	668.1	711.9
82.5°	169.8	306.7	470.9	585.9	629.8
85°	98.6	235.5	399.8	509.3	547.6
87.5°	49.3	180.7	334.0	443.6	481.9
90°	0.0	131.4	279.3	383.3	421.7
92.5°	0.0	126.0	273.8	372.4	410.7
95°	0.0	126.0	268.3	366.9	405.2
97.5°	0.0	120.5	262.9	366.9	399.8
100°	0.0	115.0	262.9	361.4	394.3
102.5°	0.0	109.5	257.4	355.9	388.8
105°	0.0	104.0	251.9	345.0	377.9
107.5°	5.5	104.0	241.0	339.5	372.4
110°	5.5	98.6	230.0	334.0	366.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	93.1	219.0	323.1	355.9
115°	5.5	93.1	213.6	306.7	345.0
117.5°	5.5	87.6	202.6	295.7	334.0
120°	5.5	87.6	197.1	284.8	317.6
122.5°	5.5	82.1	186.2	273.8	306.7
125°	5.5	76.7	180.7	262.9	295.7
127.5°	5.5	71.2	175.2	251.9	284.8
130°	5.5	65.7	164.3	241.0	268.3
132.5°	5.5	65.7	158.8	224.5	257.4
135°	5.5	60.2	147.9	213.6	241.0
137.5°	5.5	54.8	136.9	202.6	230.0
140°	5.5	49.3	126.0	191.7	213.6
142.5°	5.5	49.3	115.0	175.2	197.1
145°	5.5	43.8	104.0	164.3	180.7
147.5°	5.5	38.3	93.1	147.9	164.3
150°	5.5	38.3	82.1	131.4	147.9
152.5°	5.5	32.9	71.2	120.5	136.9
155°	5.5	27.4	65.7	104.0	120.5
157.5°	5.5	27.4	54.8	87.6	104.0
160°	5.5	21.9	49.3	71.2	87.6
162.5°	5.5	21.9	43.8	60.2	76.7
165°	5.5	16.4	32.9	49.3	60.2
167.5°	5.5	16.4	27.4	38.3	49.3
170°	5.5	11.0	21.9	27.4	38.3
172.5°	5.5	11.0	16.4	16.4	16.4
175°	5.5	5.5	11.0	11.0	5.5
177.5°	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)