

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: P567233

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567233
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-LW-UNV-L950-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

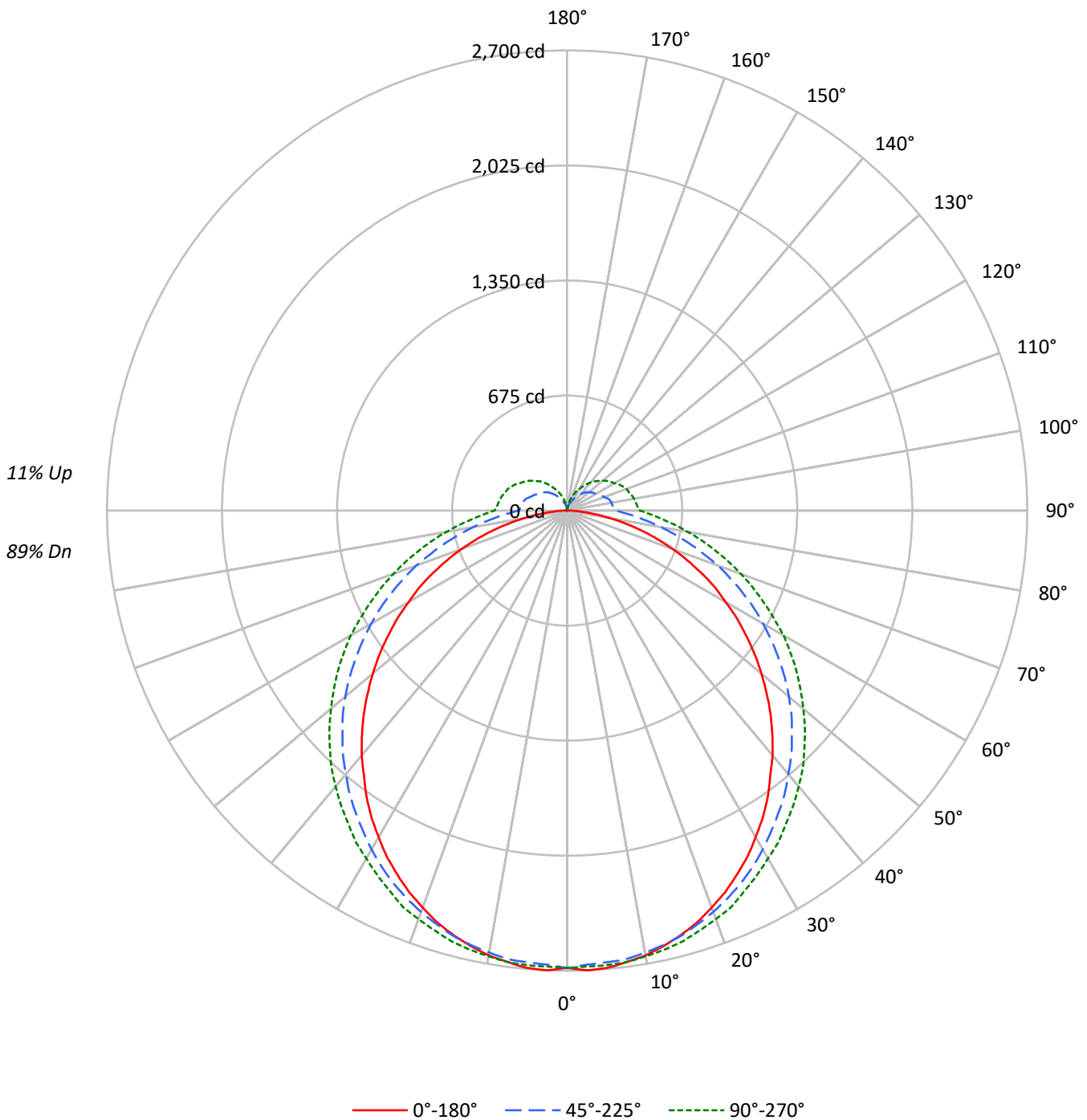
Lumens per Lamp: N/A
Luminaire Lumens: 9552.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	14441	14441	14441
5°	14529	13790	13669
10°	14429	13255	12986
15°	14285	12736	12370
20°	14088	12195	11755
25°	13861	11677	11153
30°	13589	11141	10576
35°	13291	10603	10036
40°	12950	10076	9521
45°	12581	9548	8994
50°	12159	9004	8441
55°	11695	8395	7898
60°	11151	7759	7324
65°	10588	7071	6669
70°	9798	6336	6025
75°	8754	5477	5343
80°	7054	4610	4662
85°	4967	3804	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.9	2.7
10°-20°	732.5	7.7
20°-30°	1113.8	11.7
30°-40°	1352.1	14.2
40°-50°	1428.8	15.0
50°-60°	1337.0	14.0
60°-70°	1097.0	11.5
70°-80°	754.5	7.9
80°-90°	413.2	4.3
90°-100°	266.1	2.8
100°-110°	238.8	2.5
110°-120°	197.6	2.1
120°-130°	152.2	1.6
130°-140°	106.9	1.1
140°-150°	64.4	0.7
150°-160°	30.8	0.3
160°-170°	10.1	0.1
170°-180°	1.2	0.0
0°-30°	2101.2	22.0
0°-40°	3453.3	36.2
0°-60°	6219.1	65.1
0°-90°	8483.8	88.8
90°-120°	702.5	7.4
90°-150°	1026.0	10.7
90°-180°	1068.0	11.2
0°-180°	9552.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2683	2683	2683	2683	2683	
5°	2694	2689	2661	2683	2678	255
15°	2578	2589	2584	2617	2617	727
25°	2357	2384	2412	2462	2462	1086
35°	2052	2102	2163	2224	2241	1282
45°	1687	1765	1864	1947	1970	1301
55°	1284	1389	1516	1610	1643	1149
65°	869	985	1134	1239	1272	860
75°	454	575	741	858	896	478
85°	100	238	404	514	553	115
90°	0	133	282	387	426	7
95°	0	127	271	371	409	0
105°	0	105	254	348	382	4
115°	6	94	216	310	348	5
125°	6	78	183	266	299	5
135°	6	61	149	216	243	4
145°	6	44	105	166	183	3
155°	6	28	66	105	122	3
165°	6	17	33	50	61	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CATALOG NUMBER: 8SNX-114SL-LW-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2683.2	2683.2	2683.2	2683.2	2683.2
2.5°	2699.8	2694.2	2666.6	2688.7	2677.6
5°	2694.2	2688.7	2661.0	2683.2	2677.6
7.5°	2672.1	2672.1	2655.5	2677.6	2672.1
10°	2650.0	2650.0	2633.4	2661.0	2655.5
12.5°	2616.8	2622.3	2611.3	2644.5	2638.9
15°	2578.1	2589.1	2583.6	2616.8	2616.8
17.5°	2533.8	2544.9	2544.9	2583.6	2583.6
20°	2478.5	2495.1	2506.1	2550.4	2550.4
22.5°	2423.2	2445.3	2461.9	2500.6	2517.2
25°	2356.8	2384.4	2412.1	2461.9	2461.9
27.5°	2290.4	2323.6	2356.8	2406.6	2412.1
30°	2212.9	2251.7	2295.9	2345.7	2356.8
32.5°	2135.5	2185.3	2229.5	2290.4	2307.0
35°	2052.5	2102.3	2163.1	2224.0	2240.6
37.5°	1958.4	2019.3	2096.8	2163.1	2179.7
40°	1875.5	1941.8	2019.3	2096.8	2113.3
42.5°	1781.4	1853.3	1947.4	2019.3	2047.0
45°	1687.4	1764.8	1864.4	1947.4	1969.5
47.5°	1587.8	1676.3	1786.9	1864.4	1892.1
50°	1488.2	1582.2	1698.4	1786.9	1809.1
52.5°	1388.6	1488.2	1609.9	1698.4	1726.1
55°	1283.5	1388.6	1515.9	1609.9	1643.1
57.5°	1183.9	1289.0	1421.8	1521.4	1554.6
60°	1073.3	1195.0	1327.8	1427.3	1466.1
62.5°	979.2	1089.9	1233.7	1333.3	1366.5
65°	868.6	984.8	1134.1	1239.2	1272.4
67.5°	763.5	885.2	1034.5	1145.2	1178.4
70°	658.3	780.1	940.5	1045.6	1084.3
72.5°	553.2	680.5	835.4	951.6	990.3
75°	453.7	575.4	741.3	857.5	896.2
77.5°	348.5	481.3	647.3	763.5	807.7
80°	254.5	392.8	558.8	674.9	719.2
82.5°	171.5	309.8	475.8	592.0	636.2
85°	99.6	237.9	403.9	514.5	553.2
87.5°	49.8	182.6	337.5	448.1	486.8
90°	0.0	132.8	282.1	387.3	426.0
92.5°	0.0	127.2	276.6	376.2	414.9
95°	0.0	127.2	271.1	370.7	409.4
97.5°	0.0	121.7	265.6	370.7	403.9
100°	0.0	116.2	265.6	365.1	398.3
102.5°	0.0	110.6	260.0	359.6	392.8
105°	0.0	105.1	254.5	348.5	381.7
107.5°	5.5	105.1	243.4	343.0	376.2
110°	5.5	99.6	232.4	337.5	370.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	94.0	221.3	326.4	359.6
115°	5.5	94.0	215.8	309.8	348.5
117.5°	5.5	88.5	204.7	298.7	337.5
120°	5.5	88.5	199.2	287.7	320.9
122.5°	5.5	83.0	188.1	276.6	309.8
125°	5.5	77.5	182.6	265.6	298.7
127.5°	5.5	71.9	177.0	254.5	287.7
130°	5.5	66.4	166.0	243.4	271.1
132.5°	5.5	66.4	160.4	226.8	260.0
135°	5.5	60.9	149.4	215.8	243.4
137.5°	5.5	55.3	138.3	204.7	232.4
140°	5.5	49.8	127.2	193.6	215.8
142.5°	5.5	49.8	116.2	177.0	199.2
145°	5.5	44.3	105.1	166.0	182.6
147.5°	5.5	38.7	94.0	149.4	166.0
150°	5.5	38.7	83.0	132.8	149.4
152.5°	5.5	33.2	71.9	121.7	138.3
155°	5.5	27.7	66.4	105.1	121.7
157.5°	5.5	27.7	55.3	88.5	105.1
160°	5.5	22.1	49.8	71.9	88.5
162.5°	5.5	22.1	44.3	60.9	77.5
165°	5.5	16.6	33.2	49.8	60.9
167.5°	5.5	16.6	27.7	38.7	49.8
170°	5.5	11.1	22.1	27.7	38.7
172.5°	5.5	11.1	16.6	16.6	16.6
175°	5.5	5.5	11.1	11.1	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)