

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: P567231

Luminaire Tested: **8SNX-114SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567231
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-L935-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

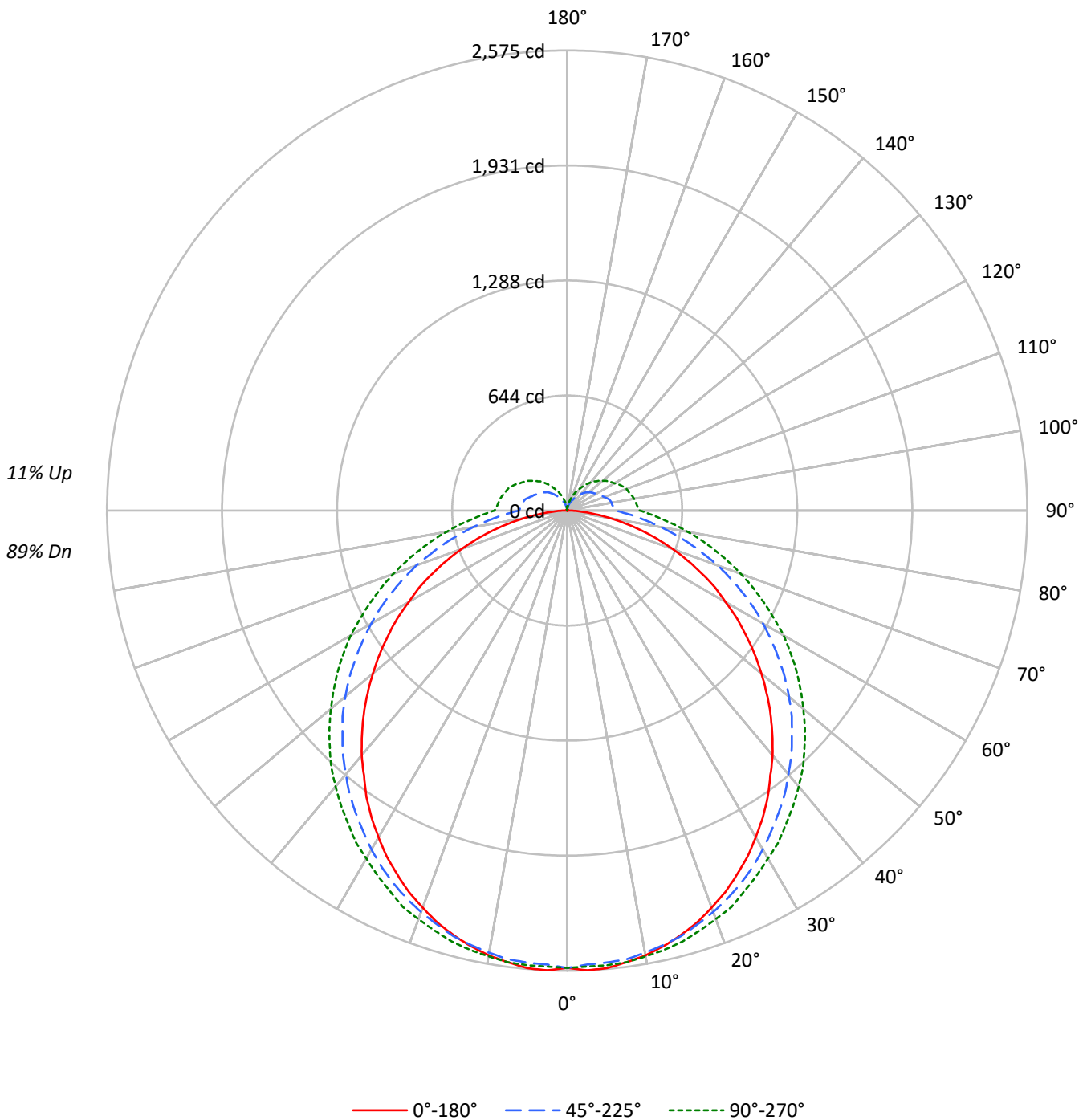
Lumens per Lamp: N/A
Luminaire Lumens: 9111.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 79.4
Input Voltage (V): NR
Input Current (A_{in}): 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°	13774	13774	13774
5°	13859	13153	13038
10°	13763	12643	12386
15°	13625	12148	11799
20°	13438	11632	11212
25°	13221	11138	10637
30°	12962	10627	10088
35°	12677	10114	9573
40°	12352	9611	9082
45°	12000	9107	8579
50°	11597	8588	8051
55°	11155	8008	7533
60°	10635	7401	6986
65°	10100	6745	6361
70°	9347	6044	5748
75°	8349	5225	5097
80°	6727	4397	4447
85°	4738	3628	3780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.1	2.7
10°-20°	698.7	7.7
20°-30°	1062.4	11.7
30°-40°	1289.7	14.2
40°-50°	1362.8	15.0
50°-60°	1275.3	14.0
60°-70°	1046.4	11.5
70°-80°	719.7	7.9
80°-90°	394.1	4.3
90°-100°	253.8	2.8
100°-110°	227.7	2.5
110°-120°	188.5	2.1
120°-130°	145.2	1.6
130°-140°	102.0	1.1
140°-150°	61.5	0.7
150°-160°	29.4	0.3
160°-170°	9.7	0.1
170°-180°	1.2	0.0
0°-30°	2004.2	22.0
0°-40°	3293.9	36.2
0°-60°	5931.9	65.1
0°-90°	8092.1	88.8
90°-120°	670.0	7.4
90°-150°	978.7	10.7
90°-180°	1019.0	11.2
0°-180°	9111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2559	2559	2559	2559	2559	
5°	2570	2565	2538	2559	2554	244
15°	2459	2470	2464	2496	2496	693
25°	2248	2274	2301	2348	2348	1036
35°	1958	2005	2063	2121	2137	1223
45°	1610	1683	1778	1858	1879	1241
55°	1224	1324	1446	1536	1567	1096
65°	828	939	1082	1182	1214	820
75°	433	549	707	818	855	456
85°	95	227	385	491	528	110
90°	0	127	269	369	406	7
95°	0	121	259	354	390	0
105°	0	100	243	332	364	3
115°	5	90	206	296	332	5
125°	5	74	174	253	285	5
135°	5	58	142	206	232	4
145°	5	42	100	158	174	3
155°	5	26	63	100	116	2
165°	5	16	32	48	58	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°	2559.3	2559.3	2559.3	2559.3	2559.3
2.5°	2575.1	2569.9	2543.5	2564.6	2554.0
5°	2569.9	2564.6	2538.2	2559.3	2554.0
7.5°	2548.7	2548.7	2532.9	2554.0	2548.7
10°	2527.6	2527.6	2511.8	2538.2	2532.9
12.5°	2496.0	2501.3	2490.7	2522.4	2517.1
15°	2459.0	2469.6	2464.3	2496.0	2496.0
17.5°	2416.8	2427.4	2427.4	2464.3	2464.3
20°	2364.1	2379.9	2390.4	2432.7	2432.7
22.5°	2311.3	2332.4	2348.2	2385.2	2401.0
25°	2248.0	2274.3	2300.7	2348.2	2348.2
27.5°	2184.6	2216.3	2248.0	2295.5	2300.7
30°	2110.8	2147.7	2189.9	2237.4	2248.0
32.5°	2036.9	2084.4	2126.6	2184.6	2200.5
35°	1957.7	2005.2	2063.3	2121.3	2137.1
37.5°	1868.0	1926.1	1999.9	2063.3	2079.1
40°	1788.9	1852.2	1926.1	1999.9	2015.8
42.5°	1699.2	1767.8	1857.5	1926.1	1952.5
45°	1609.5	1683.3	1778.3	1857.5	1878.6
47.5°	1514.5	1598.9	1704.4	1778.3	1804.7
50°	1419.5	1509.2	1620.0	1704.4	1725.5
52.5°	1324.5	1419.5	1535.6	1620.0	1646.4
55°	1224.2	1324.5	1445.9	1535.6	1567.2
57.5°	1129.3	1229.5	1356.2	1451.2	1482.8
60°	1023.7	1139.8	1266.5	1361.4	1398.4
62.5°	934.0	1039.6	1176.8	1271.7	1303.4
65°	828.5	939.3	1081.8	1182.0	1213.7
67.5°	728.2	844.3	986.8	1092.3	1124.0
70°	628.0	744.0	897.1	997.3	1034.3
72.5°	527.7	649.1	796.8	907.6	944.6
75°	432.7	548.8	707.1	817.9	854.9
77.5°	332.4	459.1	617.4	728.2	770.4
80°	242.7	374.7	533.0	643.8	686.0
82.5°	163.6	295.5	453.8	564.6	606.8
85°	95.0	226.9	385.2	490.8	527.7
87.5°	47.5	174.1	321.9	427.4	464.4
90°	0.0	126.6	269.1	369.4	406.3
92.5°	0.0	121.4	263.8	358.8	395.8
95°	0.0	121.4	258.6	353.6	390.5
97.5°	0.0	116.1	253.3	353.6	385.2
100°	0.0	110.8	253.3	348.3	379.9
102.5°	0.0	105.5	248.0	343.0	374.7
105°	0.0	100.3	242.7	332.4	364.1
107.5°	5.3	100.3	232.2	327.2	358.8
110°	5.3	95.0	221.6	321.9	353.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.3	89.7	211.1	311.3	343.0
115°	5.3	89.7	205.8	295.5	332.4
117.5°	5.3	84.4	195.2	285.0	321.9
120°	5.3	84.4	190.0	274.4	306.1
122.5°	5.3	79.2	179.4	263.8	295.5
125°	5.3	73.9	174.1	253.3	285.0
127.5°	5.3	68.6	168.9	242.7	274.4
130°	5.3	63.3	158.3	232.2	258.6
132.5°	5.3	63.3	153.0	216.4	248.0
135°	5.3	58.0	142.5	205.8	232.2
137.5°	5.3	52.8	131.9	195.2	221.6
140°	5.3	47.5	121.4	184.7	205.8
142.5°	5.3	47.5	110.8	168.9	190.0
145°	5.3	42.2	100.3	158.3	174.1
147.5°	5.3	36.9	89.7	142.5	158.3
150°	5.3	36.9	79.2	126.6	142.5
152.5°	5.3	31.7	68.6	116.1	131.9
155°	5.3	26.4	63.3	100.3	116.1
157.5°	5.3	26.4	52.8	84.4	100.3
160°	5.3	21.1	47.5	68.6	84.4
162.5°	5.3	21.1	42.2	58.0	73.9
165°	5.3	15.8	31.7	47.5	58.0
167.5°	5.3	15.8	26.4	36.9	47.5
170°	5.3	10.6	21.1	26.4	36.9
172.5°	5.3	10.6	15.8	15.8	15.8
175°	5.3	5.3	10.6	10.6	5.3
177.5°	5.3	5.3	5.3	5.3	5.3
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)