

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: P567188

Luminaire Tested: **8SNX-102SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567188
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-102SL-SLW-UNV-L840-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

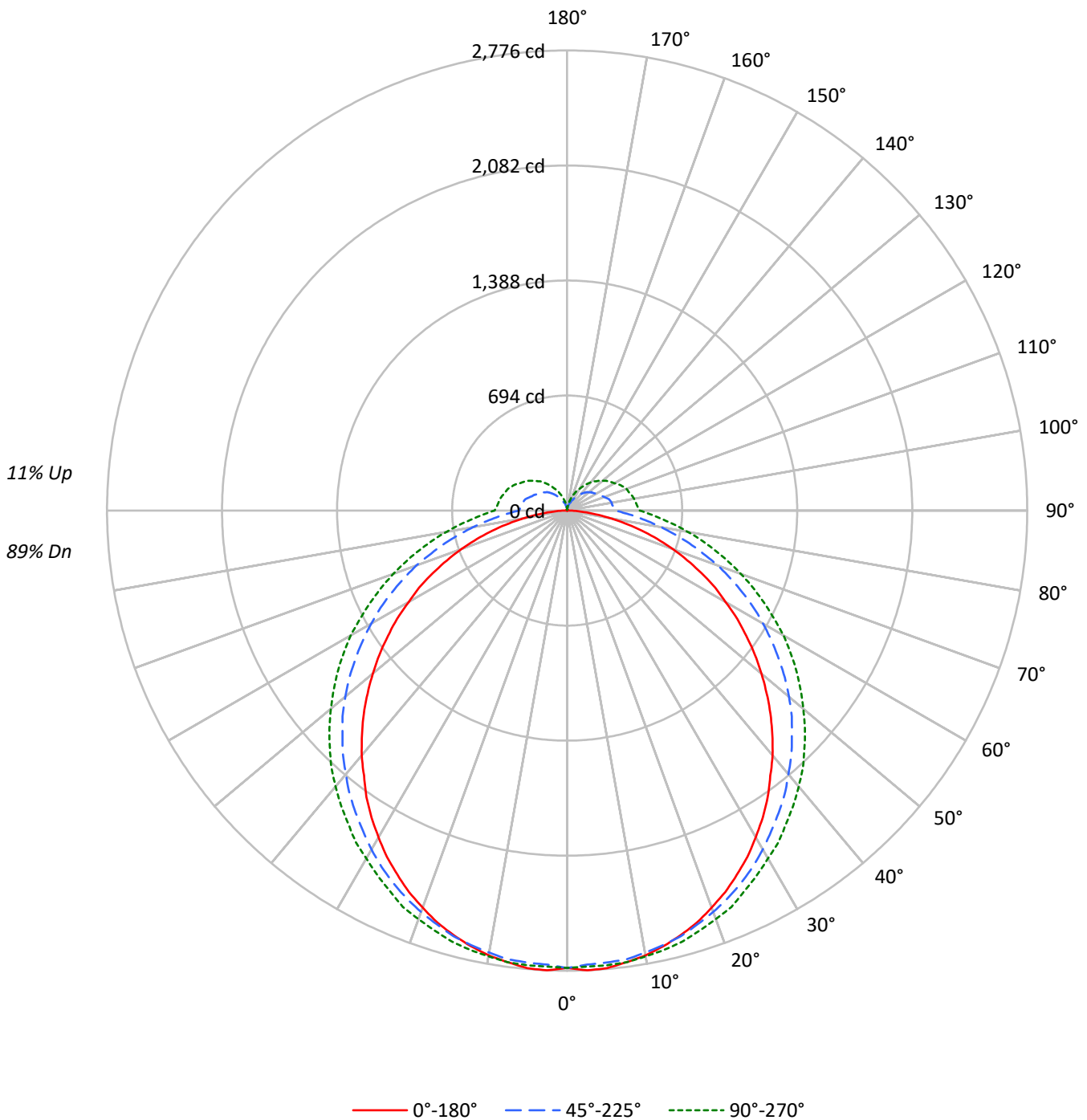
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9822.0 lumens
Efficiency: N/A
Efficacy: 140.3 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): 70
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°	14849	14849	14849
5°	14954	14476	14455
10°	14864	14192	14097
15°	14729	13900	13768
20°	14541	13564	13401
25°	14322	13235	13018
30°	14057	12872	12638
35°	13766	12496	12282
40°	13432	12125	11941
45°	13071	11747	11572
50°	12656	11348	11160
55°	12203	10868	10754
60°	11669	10354	10302
65°	11126	9776	9733
70°	10358	9139	9176
75°	9339	8327	8559
80°	7660	7505	7950
85°	5653	6808	7327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.1	2.7
10°-20°	753.2	7.7
20°-30°	1145.3	11.7
30°-40°	1390.3	14.2
40°-50°	1469.2	15.0
50°-60°	1374.8	14.0
60°-70°	1128.0	11.5
70°-80°	775.9	7.9
80°-90°	424.9	4.3
90°-100°	273.6	2.8
100°-110°	245.5	2.5
110°-120°	203.2	2.1
120°-130°	156.5	1.6
130°-140°	110.0	1.1
140°-150°	66.3	0.7
150°-160°	31.7	0.3
160°-170°	10.4	0.1
170°-180°	1.2	0.0
0°-30°	2160.6	22.0
0°-40°	3550.9	36.2
0°-60°	6394.9	65.1
0°-90°	8723.6	88.8
90°-120°	722.3	7.4
90°-150°	1055.0	10.7
90°-180°	1098.0	11.2
0°-180°	9822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2759	2759	2759	2759	2759	
5°	2770	2765	2736	2759	2753	263
15°	2651	2662	2657	2691	2691	748
25°	2423	2452	2480	2532	2532	1117
35°	2110	2162	2224	2287	2304	1318
45°	1735	1815	1917	2002	2025	1337
55°	1320	1428	1559	1655	1690	1181
65°	893	1013	1166	1274	1308	884
75°	466	592	762	882	922	491
85°	102	245	415	529	569	118
90°	0	136	290	398	438	7
95°	0	131	279	381	421	0
105°	0	108	262	358	392	4
115°	6	97	222	319	358	6
125°	6	80	188	273	307	5
135°	6	63	154	222	250	4
145°	6	46	108	171	188	4
155°	6	28	68	108	125	3
165°	6	17	34	51	63	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°	2759.0	2759.0	2759.0	2759.0	2759.0
2.5°	2776.1	2770.4	2742.0	2764.7	2753.3
5°	2770.4	2764.7	2736.3	2759.0	2753.3
7.5°	2747.6	2747.6	2730.6	2753.3	2747.6
10°	2724.9	2724.9	2707.8	2736.3	2730.6
12.5°	2690.8	2696.4	2685.1	2719.2	2713.5
15°	2650.9	2662.3	2656.6	2690.8	2690.8
17.5°	2605.4	2616.8	2616.8	2656.6	2656.6
20°	2548.5	2565.6	2577.0	2622.5	2622.5
22.5°	2491.7	2514.4	2531.5	2571.3	2588.4
25°	2423.4	2451.8	2480.3	2531.5	2531.5
27.5°	2355.1	2389.3	2423.4	2474.6	2480.3
30°	2275.5	2315.3	2360.8	2412.0	2423.4
32.5°	2195.8	2247.0	2292.5	2355.1	2372.2
35°	2110.5	2161.7	2224.3	2286.9	2303.9
37.5°	2013.8	2076.4	2156.0	2224.3	2241.4
40°	1928.5	1996.7	2076.4	2156.0	2173.1
42.5°	1831.8	1905.7	2002.4	2076.4	2104.8
45°	1735.1	1814.7	1917.1	2002.4	2025.2
47.5°	1632.7	1723.7	1837.5	1917.1	1945.5
50°	1530.3	1627.0	1746.4	1837.5	1860.2
52.5°	1427.9	1530.3	1655.4	1746.4	1774.9
55°	1319.8	1427.9	1558.7	1655.4	1689.5
57.5°	1217.4	1325.5	1462.0	1564.4	1598.5
60°	1103.6	1228.8	1365.3	1467.7	1507.5
62.5°	1006.9	1120.7	1268.6	1371.0	1405.1
65°	893.1	1012.6	1166.2	1274.3	1308.4
67.5°	785.0	910.2	1063.8	1177.6	1211.7
70°	677.0	802.1	967.1	1075.2	1115.0
72.5°	568.9	699.7	859.0	978.5	1018.3
75°	466.5	591.6	762.3	881.7	921.6
77.5°	358.4	494.9	665.6	785.0	830.6
80°	261.7	403.9	574.6	694.0	739.5
82.5°	176.3	318.6	489.2	608.7	654.2
85°	102.4	244.6	415.3	529.0	568.9
87.5°	51.2	187.7	347.0	460.8	500.6
90°	0.0	136.5	290.1	398.2	438.0
92.5°	0.0	130.8	284.4	386.8	426.7
95°	0.0	130.8	278.7	381.1	421.0
97.5°	0.0	125.2	273.1	381.1	415.3
100°	0.0	119.5	273.1	375.5	409.6
102.5°	0.0	113.8	267.4	369.8	403.9
105°	0.0	108.1	261.7	358.4	392.5
107.5°	5.7	108.1	250.3	352.7	386.8
110°	5.7	102.4	238.9	347.0	381.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.7	96.7	227.5	335.6	369.8
115°	5.7	96.7	221.9	318.6	358.4
117.5°	5.7	91.0	210.5	307.2	347.0
120°	5.7	91.0	204.8	295.8	329.9
122.5°	5.7	85.3	193.4	284.4	318.6
125°	5.7	79.6	187.7	273.1	307.2
127.5°	5.7	74.0	182.0	261.7	295.8
130°	5.7	68.3	170.7	250.3	278.7
132.5°	5.7	68.3	165.0	233.2	267.4
135°	5.7	62.6	153.6	221.9	250.3
137.5°	5.7	56.9	142.2	210.5	238.9
140°	5.7	51.2	130.8	199.1	221.9
142.5°	5.7	51.2	119.5	182.0	204.8
145°	5.7	45.5	108.1	170.7	187.7
147.5°	5.7	39.8	96.7	153.6	170.7
150°	5.7	39.8	85.3	136.5	153.6
152.5°	5.7	34.1	74.0	125.2	142.2
155°	5.7	28.4	68.3	108.1	125.2
157.5°	5.7	28.4	56.9	91.0	108.1
160°	5.7	22.8	51.2	74.0	91.0
162.5°	5.7	22.8	45.5	62.6	79.6
165°	5.7	17.1	34.1	51.2	62.6
167.5°	5.7	17.1	28.4	39.8	51.2
170°	5.7	11.4	22.8	28.4	39.8
172.5°	5.7	11.4	17.1	17.1	17.1
175°	5.7	5.7	11.4	11.4	5.7
177.5°	5.7	5.7	5.7	5.7	5.7
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)