

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: P567282

Luminaire Tested: **8SNX-120SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567282
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-120SL-SLW-UNV-L830-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

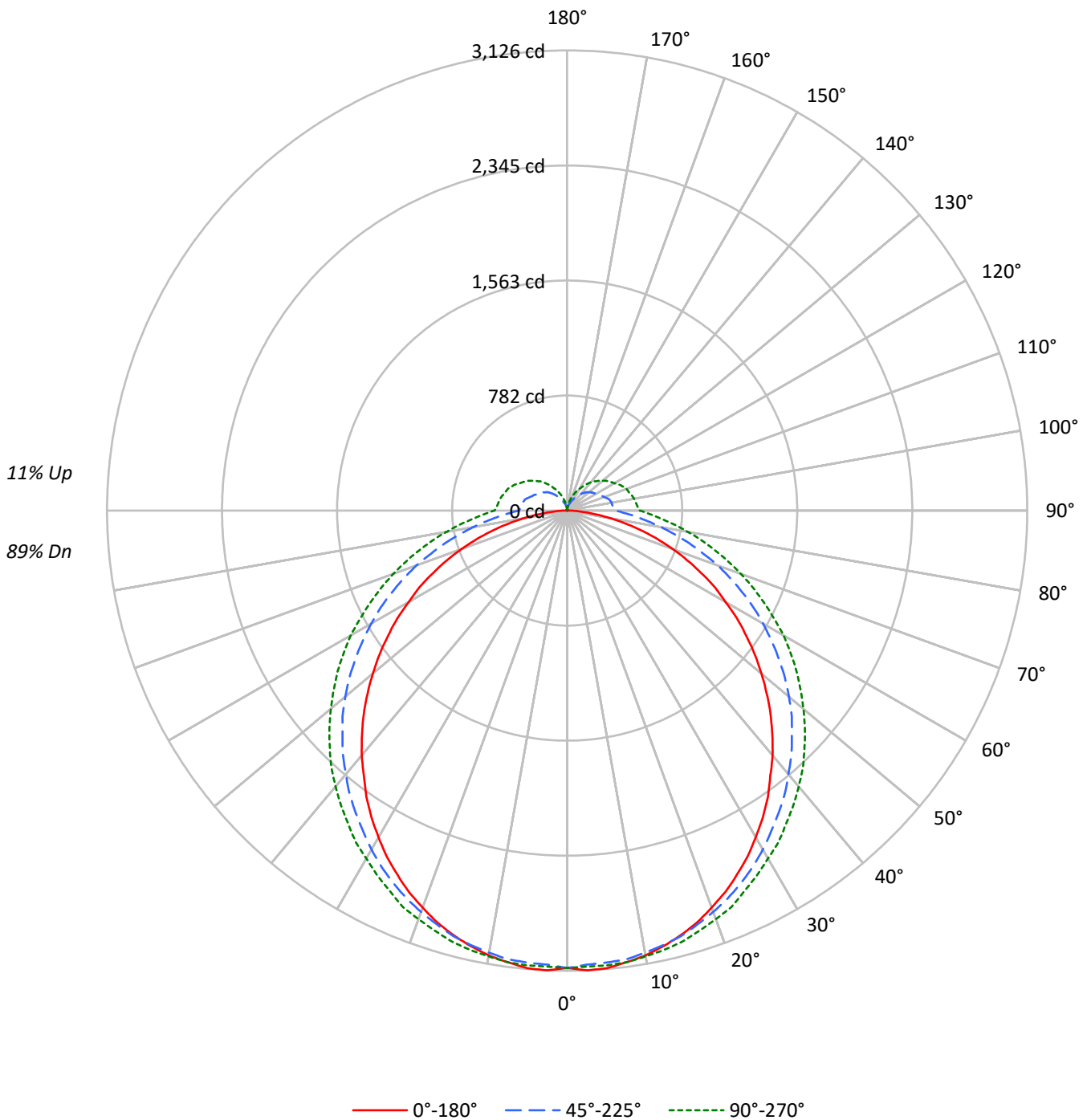
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11061.0 lumens
Efficiency: N/A
Efficacy: 131.7 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: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 84
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°	16722	16722	16722
5°	16840	16302	16279
10°	16739	15983	15875
15°	16587	15654	15504
20°	16376	15275	15091
25°	16128	14904	14660
30°	15830	14496	14232
35°	15503	14072	13832
40°	15126	13654	13447
45°	14719	13229	13032
50°	14253	12780	12568
55°	13743	12239	12111
60°	13141	11660	11602
65°	12530	11009	10961
70°	11664	10292	10333
75°	10516	9377	9638
80°	8626	8450	8953
85°	6365	7666	8250



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.1	2.7
10°-20°	848.3	7.7
20°-30°	1289.8	11.7
30°-40°	1565.7	14.2
40°-50°	1654.5	15.0
50°-60°	1548.2	14.0
60°-70°	1270.3	11.5
70°-80°	873.7	7.9
80°-90°	478.5	4.3
90°-100°	308.1	2.8
100°-110°	276.5	2.5
110°-120°	228.8	2.1
120°-130°	176.2	1.6
130°-140°	123.8	1.1
140°-150°	74.6	0.7
150°-160°	35.7	0.3
160°-170°	11.7	0.1
170°-180°	1.4	0.0
0°-30°	2433.2	22.0
0°-40°	3998.9	36.2
0°-60°	7201.5	65.1
0°-90°	9824.0	88.8
90°-120°	813.4	7.4
90°-150°	1188.1	10.7
90°-180°	1237.0	11.2
0°-180°	11061.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3107	3107	3107	3107	3107	
5°	3120	3114	3081	3107	3101	296
15°	2985	2998	2992	3030	3030	842
25°	2729	2761	2793	2851	2851	1258
35°	2377	2434	2505	2575	2595	1485
45°	1954	2044	2159	2255	2281	1506
55°	1486	1608	1755	1864	1903	1330
65°	1006	1140	1313	1435	1474	996
75°	525	666	858	993	1038	553
85°	115	276	468	596	641	133
90°	0	154	327	448	493	8
95°	0	147	314	429	474	0
105°	0	122	295	404	442	4
115°	6	109	250	359	404	6
125°	6	90	211	308	346	6
135°	6	70	173	250	282	5
145°	6	51	122	192	211	4
155°	6	32	77	122	141	3
165°	6	19	38	58	70	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3107.1	3107.1	3107.1	3107.1	3107.1
2.5°	3126.3	3119.9	3087.8	3113.5	3100.7
5°	3119.9	3113.5	3081.4	3107.1	3100.7
7.5°	3094.2	3094.2	3075.0	3100.7	3094.2
10°	3068.6	3068.6	3049.4	3081.4	3075.0
12.5°	3030.2	3036.6	3023.8	3062.2	3055.8
15°	2985.3	2998.2	2991.7	3030.2	3030.2
17.5°	2934.1	2946.9	2946.9	2991.7	2991.7
20°	2870.0	2889.2	2902.1	2953.3	2953.3
22.5°	2806.0	2831.6	2850.8	2895.7	2914.9
25°	2729.1	2761.1	2793.2	2850.8	2850.8
27.5°	2652.2	2690.7	2729.1	2786.7	2793.2
30°	2562.5	2607.4	2658.6	2716.3	2729.1
32.5°	2472.8	2530.5	2581.7	2652.2	2671.4
35°	2376.7	2434.4	2504.9	2575.3	2594.6
37.5°	2267.8	2338.3	2428.0	2504.9	2524.1
40°	2171.7	2248.6	2338.3	2428.0	2447.2
42.5°	2062.8	2146.1	2255.0	2338.3	2370.3
45°	1953.9	2043.6	2158.9	2255.0	2280.6
47.5°	1838.6	1941.1	2069.2	2158.9	2191.0
50°	1723.3	1832.2	1966.7	2069.2	2094.9
52.5°	1608.0	1723.3	1864.2	1966.7	1998.8
55°	1486.3	1608.0	1755.3	1864.2	1902.7
57.5°	1371.0	1492.7	1646.4	1761.7	1800.2
60°	1242.8	1383.8	1537.5	1652.8	1697.7
62.5°	1133.9	1262.0	1428.6	1543.9	1582.4
65°	1005.8	1140.3	1313.3	1435.0	1473.5
67.5°	884.1	1025.0	1198.0	1326.1	1364.5
70°	762.4	903.3	1089.1	1210.8	1255.6
72.5°	640.6	788.0	967.4	1101.9	1146.7
75°	525.3	666.3	858.4	993.0	1037.8
77.5°	403.6	557.3	749.5	884.1	935.3
80°	294.7	454.8	647.0	781.6	832.8
82.5°	198.6	358.8	550.9	685.5	736.7
85°	115.3	275.5	467.7	595.8	640.6
87.5°	57.7	211.4	390.8	518.9	563.8
90°	0.0	153.8	326.7	448.4	493.3
92.5°	0.0	147.3	320.3	435.6	480.5
95°	0.0	147.3	313.9	429.2	474.1
97.5°	0.0	140.9	307.5	429.2	467.7
100°	0.0	134.5	307.5	422.8	461.3
102.5°	0.0	128.1	301.1	416.4	454.8
105°	0.0	121.7	294.7	403.6	442.0
107.5°	6.4	121.7	281.9	397.2	435.6
110°	6.4	115.3	269.1	390.8	429.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	108.9	256.3	378.0	416.4
115°	6.4	108.9	249.8	358.8	403.6
117.5°	6.4	102.5	237.0	345.9	390.8
120°	6.4	102.5	230.6	333.1	371.6
122.5°	6.4	96.1	217.8	320.3	358.8
125°	6.4	89.7	211.4	307.5	345.9
127.5°	6.4	83.3	205.0	294.7	333.1
130°	6.4	76.9	192.2	281.9	313.9
132.5°	6.4	76.9	185.8	262.7	301.1
135°	6.4	70.5	173.0	249.8	281.9
137.5°	6.4	64.1	160.2	237.0	269.1
140°	6.4	57.7	147.3	224.2	249.8
142.5°	6.4	57.7	134.5	205.0	230.6
145°	6.4	51.3	121.7	192.2	211.4
147.5°	6.4	44.8	108.9	173.0	192.2
150°	6.4	44.8	96.1	153.8	173.0
152.5°	6.4	38.4	83.3	140.9	160.2
155°	6.4	32.0	76.9	121.7	140.9
157.5°	6.4	32.0	64.1	102.5	121.7
160°	6.4	25.6	57.7	83.3	102.5
162.5°	6.4	25.6	51.3	70.5	89.7
165°	6.4	19.2	38.4	57.7	70.5
167.5°	6.4	19.2	32.0	44.8	57.7
170°	6.4	12.8	25.6	32.0	44.8
172.5°	6.4	12.8	19.2	19.2	19.2
175°	6.4	6.4	12.8	12.8	6.4
177.5°	6.4	6.4	6.4	6.4	6.4
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)