

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: P567258

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-LC-UNV-L830-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

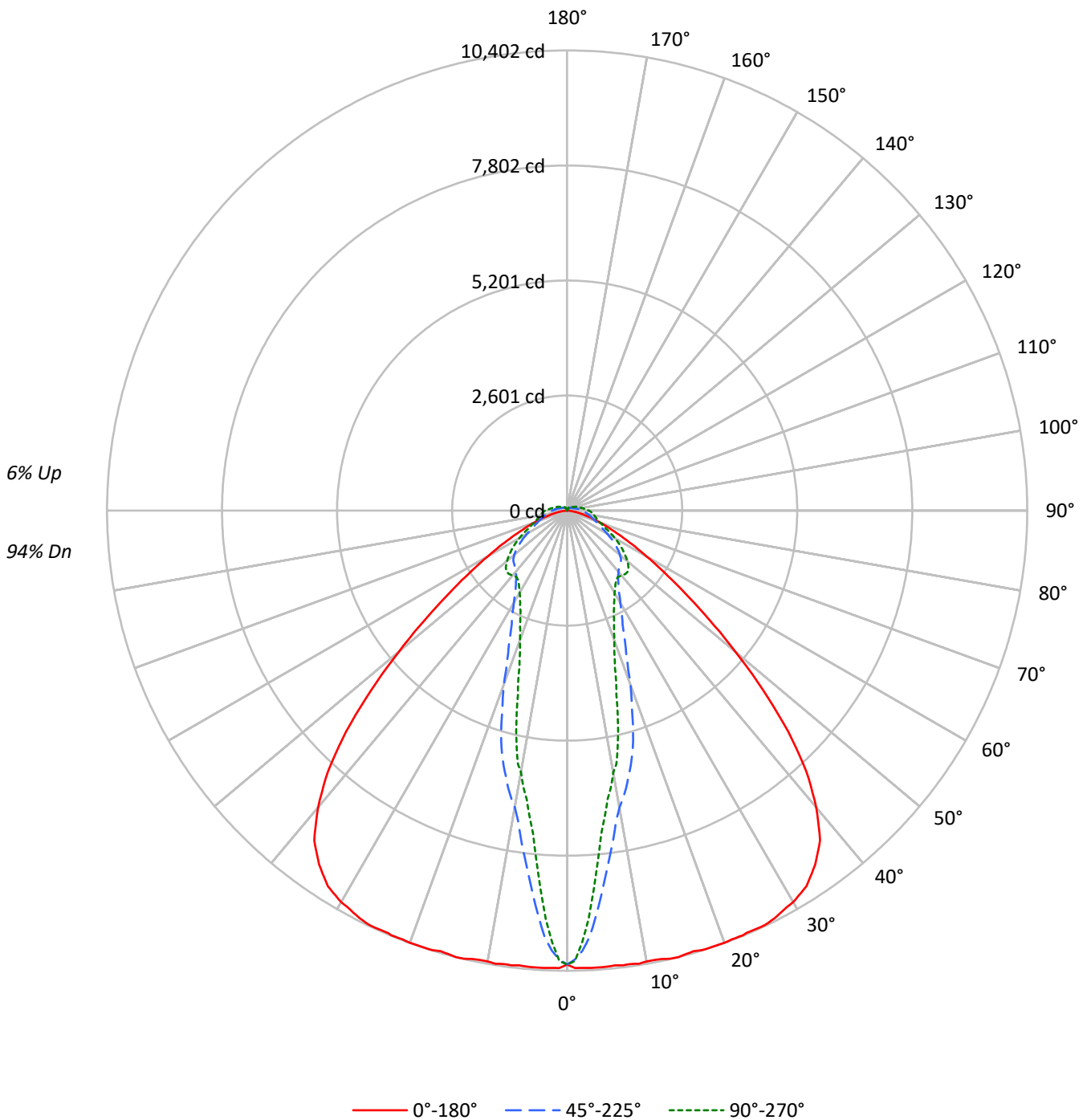
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12647.0 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: 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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55218	55218	55218
5°	55818	45409	40596
10°	56359	34320	29380
15°	57495	28084	20345
20°	59094	20343	14369
25°	61064	14590	11304
30°	62764	11668	9627
35°	63292	9880	8622
40°	60506	8991	8643
45°	52673	8697	8880
50°	40562	8281	8286
55°	29528	7250	7352
60°	21547	6060	6216
65°	15802	5132	5096
70°	11769	4542	4394
75°	8503	4215	4096
80°	5749	3956	4034
85°	2908	3784	4040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.9	6.4
10°-20°	1752.1	13.9
20°-30°	2005.6	15.9
30°-40°	2009.2	15.9
40°-50°	1901.9	15.0
50°-60°	1458.6	11.5
60°-70°	940.2	7.4
70°-80°	599.6	4.7
80°-90°	398.1	3.1
90°-100°	267.6	2.1
100°-110°	176.4	1.4
110°-120°	122.7	1.0
120°-130°	85.6	0.7
130°-140°	59.4	0.5
140°-150°	36.4	0.3
150°-160°	18.4	0.1
160°-170°	7.1	0.1
170°-180°	1.4	0.0
0°-30°	4564.6	36.1
0°-40°	6573.7	52.0
0°-60°	9934.2	78.6
0°-90°	11872.1	93.9
90°-120°	566.6	4.5
90°-150°	748.0	5.9
90°-180°	775.0	6.1
0°-180°	12647.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10260	10260	10260	10260	10260	
5°	10351	9780	8763	8173	7952	988
15°	10376	7473	5697	4680	4304	2943
25°	10383	5289	3014	2618	2495	4787
35°	9774	2942	2016	1951	1925	6064
45°	7065	1860	1698	1880	1944	5371
55°	3241	1329	1309	1471	1530	2980
65°	1296	836	823	940	972	1333
75°	441	454	570	655	687	485
85°	58	207	402	525	564	80
90°	0	143	337	467	486	3
95°	0	104	279	382	402	0
105°	0	78	182	259	279	4
115°	6	65	136	188	201	6
125°	6	58	117	136	143	6
135°	6	45	91	110	117	5
145°	6	32	65	84	91	4
155°	6	19	39	58	65	3
165°	13	13	26	32	39	3
175°	13	13	13	13	6	1
180°	13	13	13	13	13	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10259.9	10259.9	10259.9	10259.9	10259.9
1°	10344.1	10285.8	10149.7	10188.6	10182.1
2°	10344.1	10221.0	9955.2	9877.5	9760.8
3°	10350.6	10110.8	9657.1	9404.3	9242.3
4°	10350.6	9948.8	9216.4	8795.1	8587.7
5°	10350.6	9780.2	8762.7	8172.9	7952.5
6°	10337.6	9579.3	8302.5	7680.3	7349.8
7°	10357.1	9359.0	7887.7	7220.1	6960.9
8°	10350.6	9099.7	7505.3	6870.2	6585.0
9°	10370.0	8846.9	7090.5	6539.6	6325.7
10°	10350.6	8613.6	6818.3	6228.5	6008.1
11°	10350.6	8386.8	6623.9	6027.6	5839.6
12°	10363.6	8127.5	6410.0	5742.4	5483.2
13°	10396.0	7861.8	6163.7	5431.3	5126.7
14°	10402.4	7660.9	5936.8	5036.0	4718.4
15°	10376.5	7472.9	5697.0	4679.5	4303.6
16°	10363.6	7278.5	5411.9	4342.5	4005.4
17°	10389.5	7051.6	5087.8	3998.9	3687.8
18°	10396.0	6844.2	4744.3	3739.7	3467.5
19°	10396.0	6682.2	4465.6	3499.9	3266.6
20°	10396.0	6526.6	4180.4	3318.4	3117.5
21°	10383.0	6332.2	3856.4	3130.5	2961.9
22.5°	10389.5	5969.3	3486.9	2910.1	2774.0
23°	10370.0	5878.5	3396.2	2851.8	2709.2
24°	10376.5	5619.3	3201.8	2735.1	2599.0
25°	10383.0	5288.7	3013.8	2618.4	2495.3
26°	10370.0	5023.0	2858.2	2508.3	2424.0
27°	10337.6	4809.1	2748.1	2417.5	2339.7
28°	10292.3	4523.9	2631.4	2339.7	2268.4
29°	10246.9	4199.9	2514.7	2255.5	2203.6
30°	10221.0	3940.6	2404.6	2190.7	2145.3
32.5°	10065.4	3428.6	2177.7	2061.0	2022.2
35°	9773.8	2942.5	2015.7	1950.9	1924.9
37.5°	9391.4	2566.6	1892.5	1879.6	1886.1
40°	8762.7	2268.4	1801.8	1860.1	1918.5
42.5°	8010.9	2035.1	1737.0	1879.6	1944.4
45°	7064.6	1860.1	1698.1	1879.6	1944.4
47.5°	6014.6	1717.5	1652.7	1814.8	1879.6
50°	4964.7	1587.9	1562.0	1717.5	1775.9
52.5°	4037.8	1464.8	1445.3	1594.4	1652.7
55°	3240.6	1328.7	1309.2	1471.2	1529.6
57.5°	2599.0	1199.0	1179.6	1328.7	1387.0
60°	2074.0	1069.4	1037.0	1186.1	1244.4
62.5°	1652.7	946.3	926.8	1056.4	1108.3
65°	1296.3	836.1	823.1	939.8	972.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1024.0	732.4	738.9	836.1	875.0
70°	790.7	635.2	674.1	764.8	790.7
72.5°	596.3	537.9	622.2	700.0	732.4
75°	440.7	453.7	570.4	654.6	687.0
77.5°	304.6	375.9	525.0	615.7	648.1
80°	207.4	304.6	479.6	583.3	622.2
82.5°	123.1	252.8	440.7	550.9	596.3
85°	58.3	207.4	401.8	525.0	563.9
87.5°	19.4	168.5	363.0	499.1	531.5
90°	0.0	142.6	337.0	466.7	486.1
92.5°	0.0	123.1	304.6	427.8	440.7
95°	0.0	103.7	278.7	382.4	401.8
97.5°	0.0	97.2	259.3	343.5	369.4
100°	0.0	90.7	233.3	311.1	337.0
102.5°	0.0	77.8	207.4	278.7	304.6
105°	0.0	77.8	181.5	259.3	278.7
107.5°	6.5	71.3	168.5	233.3	259.3
110°	6.5	71.3	149.1	220.4	239.8
112.5°	6.5	71.3	142.6	200.9	226.8
115°	6.5	64.8	136.1	188.0	200.9
117.5°	6.5	64.8	129.6	168.5	181.5
120°	6.5	58.3	123.1	155.6	162.0
122.5°	6.5	58.3	116.7	142.6	149.1
125°	6.5	58.3	116.7	136.1	142.6
127.5°	6.5	51.9	110.2	129.6	129.6
130°	6.5	51.9	103.7	123.1	123.1
132.5°	6.5	45.4	97.2	116.7	123.1
135°	6.5	45.4	90.7	110.2	116.7
137.5°	6.5	38.9	84.3	103.7	110.2
140°	6.5	38.9	77.8	97.2	103.7
142.5°	6.5	32.4	71.3	90.7	97.2
145°	6.5	32.4	64.8	84.3	90.7
147.5°	6.5	32.4	58.3	77.8	84.3
150°	6.5	25.9	51.9	71.3	77.8
152.5°	6.5	25.9	45.4	64.8	71.3
155°	6.5	19.4	38.9	58.3	64.8
157.5°	6.5	19.4	38.9	51.9	58.3
160°	13.0	19.4	32.4	45.4	51.9
162.5°	6.5	13.0	32.4	38.9	45.4
165°	13.0	13.0	25.9	32.4	38.9
167.5°	13.0	13.0	19.4	25.9	32.4
170°	13.0	13.0	19.4	19.4	25.9
172.5°	13.0	13.0	13.0	19.4	13.0
175°	13.0	13.0	13.0	13.0	6.5
177.5°	13.0	13.0	13.0	13.0	6.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	13.0	13.0	13.0	13.0	13.0

(END OF REPORT)