

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: P567261

Luminaire Tested: **8SNX-120SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567261
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-L850-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

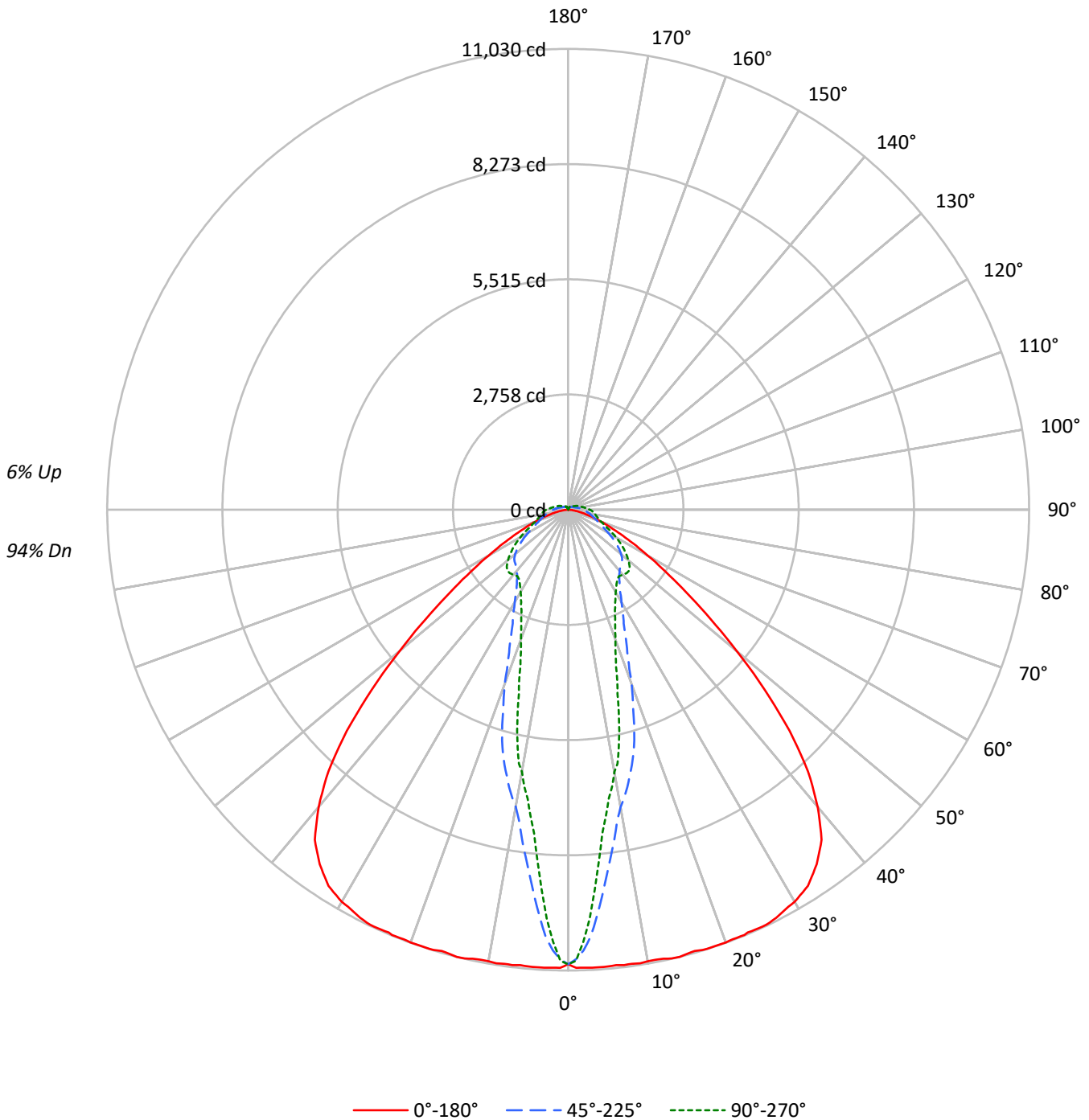
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13410.0 lumens
Efficiency: N/A
Efficacy: 159.6 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°	58549	58549	58549
5°	59185	48149	43045
10°	59759	36391	31153
15°	60964	29779	21572
20°	62659	21570	15235
25°	64748	15470	11986
30°	66550	12372	10207
35°	67110	10476	9142
40°	64156	9534	9165
45°	55851	9221	9415
50°	43008	8780	8786
55°	31310	7688	7796
60°	22847	6426	6592
65°	16755	5442	5403
70°	12479	4815	4659
75°	9016	4469	4343
80°	6095	4195	4277
85°	3087	4013	4283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.5	6.4
10°-20°	1857.8	13.9
20°-30°	2126.6	15.9
30°-40°	2130.4	15.9
40°-50°	2016.7	15.0
50°-60°	1546.6	11.5
60°-70°	996.9	7.4
70°-80°	635.7	4.7
80°-90°	422.1	3.1
90°-100°	283.8	2.1
100°-110°	187.0	1.4
110°-120°	130.1	1.0
120°-130°	90.7	0.7
130°-140°	63.0	0.5
140°-150°	38.6	0.3
150°-160°	19.6	0.1
160°-170°	7.5	0.1
170°-180°	1.4	0.0
0°-30°	4839.9	36.1
0°-40°	6970.3	52.0
0°-60°	10533.6	78.5
0°-90°	12588.4	93.9
90°-120°	600.8	4.5
90°-150°	793.1	5.9
90°-180°	822.0	6.1
0°-180°	13410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10879	10879	10879	10879	10879	
5°	10975	10370	9291	8666	8432	###
15°	11002	7924	6041	4962	4563	3121
25°	11009	5608	3196	2776	2646	5075
35°	10363	3120	2137	2069	2041	6430
45°	7491	1972	1800	1993	2062	5695
55°	3436	1409	1388	1560	1622	3160
65°	1374	886	873	996	1031	1414
75°	467	481	605	694	728	514
85°	62	220	426	557	598	85
90°	0	151	357	495	515	3
95°	0	110	296	406	426	0
105°	0	82	192	275	296	5
115°	7	69	144	199	213	7
125°	7	62	124	144	151	6
135°	7	48	96	117	124	5
145°	7	34	69	89	96	4
155°	7	21	41	62	69	4
165°	14	14	28	34	41	3
175°	14	14	14	14	7	1
180°	14	14	14	14	14	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10878.8	10878.8	10878.8	10878.8	10878.8
1°	10968.2	10906.3	10762.0	10803.2	10796.4
2°	10968.2	10837.6	10555.8	10473.4	10349.7
3°	10975.1	10720.8	10239.7	9971.7	9799.9
4°	10975.1	10549.0	9772.4	9325.7	9105.8
5°	10975.1	10370.3	9291.3	8666.0	8432.3
6°	10961.3	10157.3	8803.4	8143.7	7793.2
7°	10981.9	9923.6	8363.6	7655.7	7380.8
8°	10975.1	9648.7	7958.1	7284.6	6982.3
9°	10995.7	9380.7	7518.3	6934.1	6707.4
10°	10975.1	9133.3	7229.7	6604.3	6370.6
11°	10975.1	8892.7	7023.5	6391.2	6191.9
12°	10988.8	8617.9	6796.7	6088.9	5814.0
13°	11023.2	8336.1	6535.6	5759.0	5436.0
14°	11030.0	8123.1	6295.0	5339.8	5003.0
15°	11002.5	7923.8	6040.7	4961.8	4563.2
16°	10988.8	7717.6	5738.4	4604.4	4247.1
17°	11016.3	7477.1	5394.8	4240.2	3910.3
18°	11023.2	7257.1	5030.5	3965.3	3676.7
19°	11023.2	7085.3	4735.0	3711.0	3463.6
20°	11023.2	6920.4	4432.6	3518.6	3305.6
21°	11009.4	6714.2	4089.0	3319.3	3140.6
22.5°	11016.3	6329.4	3697.3	3085.7	2941.3
23°	10995.7	6233.2	3601.1	3023.8	2872.6
24°	11002.5	5958.3	3394.9	2900.1	2755.8
25°	11009.4	5607.8	3195.6	2776.4	2645.8
26°	10995.7	5326.0	3030.7	2659.6	2570.2
27°	10961.3	5099.2	2913.9	2563.4	2480.9
28°	10913.2	4796.9	2790.2	2480.9	2405.3
29°	10865.1	4453.2	2666.5	2391.6	2336.6
30°	10837.6	4178.4	2549.6	2322.8	2274.7
32.5°	10672.7	3635.4	2309.1	2185.4	2144.2
35°	10363.4	3120.0	2137.3	2068.6	2041.1
37.5°	9958.0	2721.4	2006.7	1993.0	1999.8
40°	9291.3	2405.3	1910.5	1972.3	2034.2
42.5°	8494.2	2157.9	1841.8	1993.0	2061.7
45°	7490.8	1972.3	1800.5	1993.0	2061.7
47.5°	6377.5	1821.2	1752.4	1924.2	1993.0
50°	5264.2	1683.7	1656.2	1821.2	1883.0
52.5°	4281.4	1553.1	1532.5	1690.6	1752.4
55°	3436.1	1408.8	1388.2	1560.0	1621.9
57.5°	2755.8	1271.4	1250.8	1408.8	1470.7
60°	2199.1	1133.9	1099.6	1257.6	1319.5
62.5°	1752.4	1003.4	982.7	1120.2	1175.2
65°	1374.5	886.5	872.8	996.5	1030.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1085.8	776.6	783.4	886.5	927.8
70°	838.4	673.5	714.7	810.9	838.4
72.5°	632.3	570.4	659.7	742.2	776.6
75°	467.3	481.1	604.8	694.1	728.5
77.5°	323.0	398.6	556.7	652.9	687.2
80°	219.9	323.0	508.5	618.5	659.7
82.5°	130.6	268.0	467.3	584.1	632.3
85°	61.9	219.9	426.1	556.7	597.9
87.5°	20.6	178.7	384.8	529.2	563.5
90°	0.0	151.2	357.4	494.8	515.4
92.5°	0.0	130.6	323.0	453.6	467.3
95°	0.0	110.0	295.5	405.5	426.1
97.5°	0.0	103.1	274.9	364.2	391.7
100°	0.0	96.2	247.4	329.9	357.4
102.5°	0.0	82.5	219.9	295.5	323.0
105°	0.0	82.5	192.4	274.9	295.5
107.5°	6.9	75.6	178.7	247.4	274.9
110°	6.9	75.6	158.1	233.7	254.3
112.5°	6.9	75.6	151.2	213.0	240.5
115°	6.9	68.7	144.3	199.3	213.0
117.5°	6.9	68.7	137.4	178.7	192.4
120°	6.9	61.9	130.6	164.9	171.8
122.5°	6.9	61.9	123.7	151.2	158.1
125°	6.9	61.9	123.7	144.3	151.2
127.5°	6.9	55.0	116.8	137.4	137.4
130°	6.9	55.0	110.0	130.6	130.6
132.5°	6.9	48.1	103.1	123.7	130.6
135°	6.9	48.1	96.2	116.8	123.7
137.5°	6.9	41.2	89.3	110.0	116.8
140°	6.9	41.2	82.5	103.1	110.0
142.5°	6.9	34.4	75.6	96.2	103.1
145°	6.9	34.4	68.7	89.3	96.2
147.5°	6.9	34.4	61.9	82.5	89.3
150°	6.9	27.5	55.0	75.6	82.5
152.5°	6.9	27.5	48.1	68.7	75.6
155°	6.9	20.6	41.2	61.9	68.7
157.5°	6.9	20.6	41.2	55.0	61.9
160°	13.7	20.6	34.4	48.1	55.0
162.5°	6.9	13.7	34.4	41.2	48.1
165°	13.7	13.7	27.5	34.4	41.2
167.5°	13.7	13.7	20.6	27.5	34.4
170°	13.7	13.7	20.6	20.6	27.5
172.5°	13.7	13.7	13.7	20.6	13.7
175°	13.7	13.7	13.7	13.7	6.9
177.5°	13.7	13.7	13.7	13.7	6.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	13.7	13.7	13.7	13.7	13.7

(END OF REPORT)