

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: P567269

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-LN-UNV-L850-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

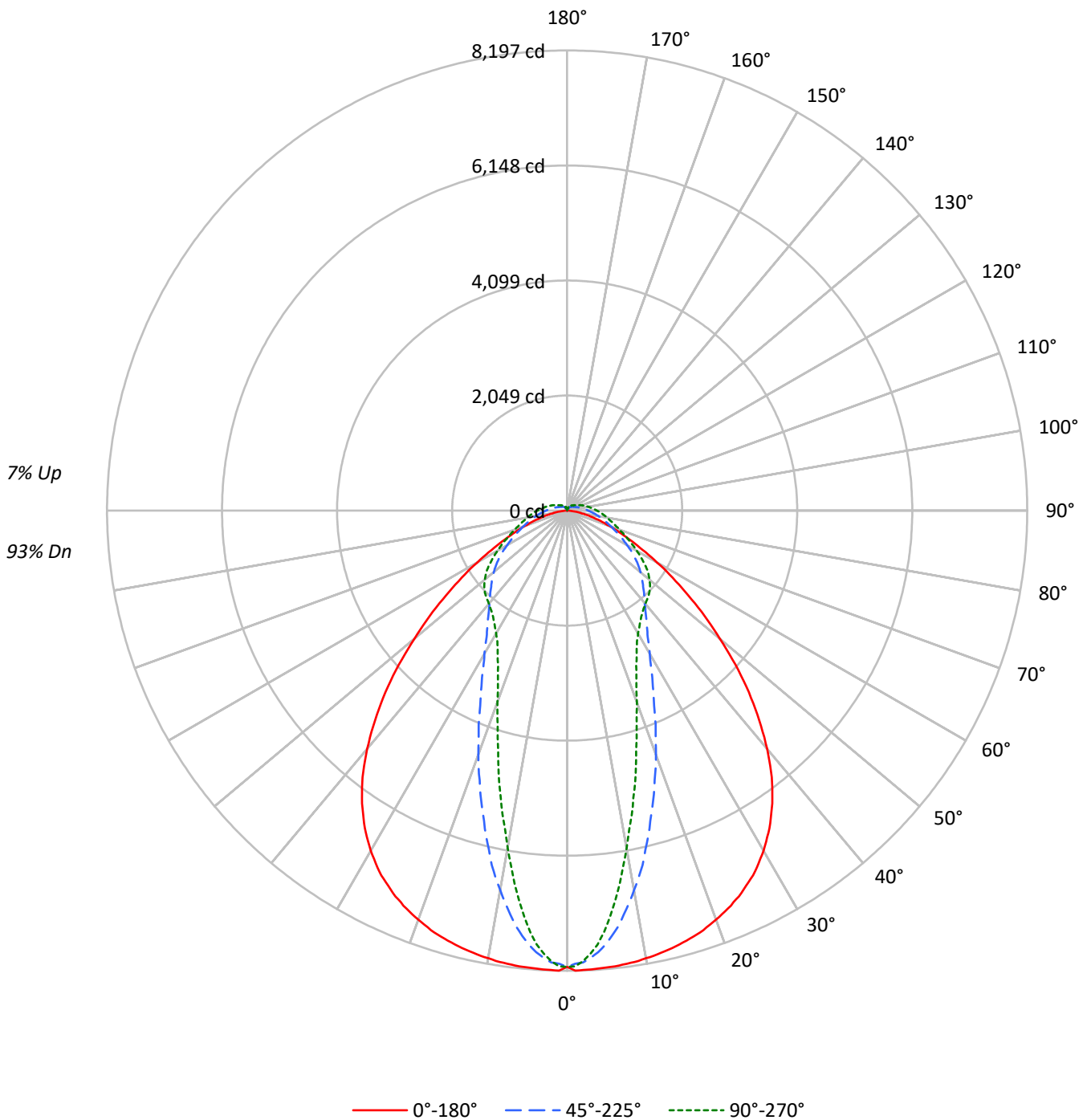
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12958.0 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43749	43749	43749
5°	44057	40260	38480
10°	44077	34559	29855
15°	44139	28222	22376
20°	44084	22505	16745
25°	43774	17654	13290
30°	42953	14302	11336
35°	41250	12117	10312
40°	38264	10709	9760
45°	34127	9808	9459
50°	29017	9037	8935
55°	23948	8199	8161
60°	19261	7223	7158
65°	15067	6351	6229
70°	11827	5628	5510
75°	9304	5068	5020
80°	6777	4650	4667
85°	4065	4349	4476



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.9	5.6
10°-20°	1687.4	13.0
20°-30°	2003.0	15.5
30°-40°	2015.2	15.6
40°-50°	1873.2	14.5
50°-60°	1542.5	11.9
60°-70°	1086.9	8.4
70°-80°	710.1	5.5
80°-90°	453.3	3.5
90°-100°	297.3	2.3
100°-110°	201.8	1.6
110°-120°	138.3	1.1
120°-130°	95.7	0.7
130°-140°	64.4	0.5
140°-150°	39.7	0.3
150°-160°	20.6	0.2
160°-170°	7.5	0.1
170°-180°	1.3	0.0
0°-30°	4410.2	34.0
0°-40°	6425.4	49.6
0°-60°	9841.1	75.9
0°-90°	12091.4	93.3
90°-120°	637.5	4.9
90°-150°	837.3	6.5
90°-180°	867.0	6.7
0°-180°	12958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8129	8129	8129	8129	8129	
5°	8170	8061	7769	7620	7538	778
15°	7966	7117	5725	5005	4733	2250
25°	7443	5501	3647	3063	2934	3425
35°	6370	3722	2472	2316	2302	3962
45°	4577	2452	1915	2017	2071	3514
55°	2628	1610	1480	1643	1698	2374
65°	1236	971	1019	1148	1188	1254
75°	482	502	686	808	842	521
85°	82	231	462	598	625	102
90°	0	156	374	509	530	5
95°	0	115	312	428	448	0
105°	0	82	210	299	326	0
115°	7	68	149	217	231	6
125°	7	54	122	156	170	6
135°	7	48	95	122	129	5
145°	7	34	68	95	102	4
155°	7	27	48	68	75	3
165°	7	14	27	34	41	2
175°	14	14	14	14	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8128.9	8128.9	8128.9	8128.9	8128.9
1°	8196.9	8162.9	8074.6	8135.7	8122.2
2°	8190.1	8156.1	8054.2	8081.4	8033.9
3°	8183.3	8135.7	7979.5	7972.7	7904.8
4°	8176.5	8101.8	7884.5	7803.0	7748.6
5°	8169.7	8061.0	7769.0	7619.6	7538.1
6°	8162.9	8013.5	7619.6	7395.5	7280.1
7°	8149.3	7938.8	7463.4	7157.8	7008.4
8°	8135.7	7870.9	7266.5	6899.8	6716.4
9°	8122.2	7782.6	7069.5	6621.3	6404.0
10°	8095.0	7694.3	6865.8	6336.1	6105.2
11°	8081.4	7592.4	6668.9	6064.4	5792.8
12°	8054.2	7483.8	6458.3	5779.2	5541.5
13°	8027.1	7368.3	6200.3	5534.7	5249.5
14°	7999.9	7246.1	5976.2	5263.1	4998.2
15°	7966.0	7117.1	5724.9	5005.0	4733.4
16°	7932.0	6967.7	5500.8	4740.2	4455.0
17°	7898.0	6825.1	5290.3	4495.7	4237.6
18°	7857.3	6682.4	5045.8	4258.0	4006.7
19°	7803.0	6519.5	4848.8	4040.7	3809.8
20°	7755.4	6370.0	4624.7	3837.0	3633.2
21°	7701.1	6186.7	4400.6	3646.8	3443.1
22.5°	7619.6	5928.6	4115.4	3409.1	3219.0
23°	7578.9	5853.9	4000.0	3320.8	3157.9
24°	7524.5	5657.0	3809.8	3185.0	3022.0
25°	7443.0	5500.8	3646.8	3062.8	2933.8
26°	7368.3	5310.6	3483.8	2954.1	2825.1
27°	7293.6	5127.3	3341.2	2838.7	2730.0
28°	7198.6	4937.1	3185.0	2743.6	2648.5
29°	7096.7	4760.6	3056.0	2662.1	2587.4
30°	6994.8	4563.6	2947.3	2587.4	2526.3
32.5°	6709.6	4129.0	2668.9	2444.8	2404.0
35°	6370.0	3721.5	2472.0	2315.8	2302.2
37.5°	5989.7	3348.0	2295.4	2213.9	2227.5
40°	5541.5	3008.5	2146.0	2139.2	2166.4
42.5°	5066.2	2716.4	2030.5	2078.1	2118.8
45°	4577.2	2451.6	1915.1	2017.0	2071.3
47.5°	4067.9	2220.7	1813.2	1942.3	2003.4
50°	3551.7	1996.6	1704.6	1854.0	1915.1
52.5°	3089.9	1799.6	1595.9	1752.1	1820.0
55°	2628.2	1609.5	1480.5	1643.4	1697.8
57.5°	2227.5	1432.9	1358.2	1521.2	1562.0
60°	1854.0	1263.1	1236.0	1385.4	1432.9
62.5°	1514.4	1113.7	1120.5	1263.1	1310.7
65°	1236.0	971.1	1018.7	1147.7	1188.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1005.1	835.3	916.8	1052.6	1086.6
70°	794.6	713.1	835.3	957.5	991.5
72.5°	631.6	604.4	753.8	882.8	910.0
75°	482.2	502.5	685.9	808.1	842.1
77.5°	346.3	421.0	618.0	747.0	774.2
80°	244.5	346.3	563.7	692.7	719.9
82.5°	156.2	285.2	509.3	645.2	672.3
85°	81.5	230.9	461.8	597.6	624.8
87.5°	34.0	190.2	414.3	550.1	577.2
90°	0.0	156.2	373.5	509.3	529.7
92.5°	0.0	135.8	339.6	468.6	489.0
95°	0.0	115.4	312.4	427.8	448.2
97.5°	0.0	108.7	278.4	393.9	414.3
100°	0.0	95.1	251.3	359.9	387.1
102.5°	0.0	88.3	230.9	326.0	353.1
105°	0.0	81.5	210.5	298.8	326.0
107.5°	0.0	74.7	196.9	278.4	298.8
110°	0.0	74.7	176.6	258.1	278.4
112.5°	6.8	67.9	163.0	230.9	251.3
115°	6.8	67.9	149.4	217.3	230.9
117.5°	6.8	67.9	142.6	196.9	210.5
120°	6.8	61.1	135.8	183.4	196.9
122.5°	6.8	61.1	129.0	169.8	176.6
125°	6.8	54.3	122.2	156.2	169.8
127.5°	6.8	54.3	115.4	149.4	156.2
130°	6.8	54.3	108.7	135.8	149.4
132.5°	6.8	47.5	101.9	129.0	135.8
135°	6.8	47.5	95.1	122.2	129.0
137.5°	6.8	40.7	88.3	115.4	122.2
140°	6.8	40.7	81.5	108.7	115.4
142.5°	6.8	34.0	74.7	101.9	108.7
145°	6.8	34.0	67.9	95.1	101.9
147.5°	6.8	34.0	61.1	88.3	95.1
150°	6.8	27.2	54.3	81.5	88.3
152.5°	6.8	27.2	47.5	74.7	81.5
155°	6.8	27.2	47.5	67.9	74.7
157.5°	6.8	20.4	40.7	54.3	67.9
160°	6.8	20.4	34.0	47.5	61.1
162.5°	6.8	20.4	34.0	40.7	47.5
165°	6.8	13.6	27.2	34.0	40.7
167.5°	6.8	13.6	20.4	27.2	34.0
170°	6.8	13.6	20.4	20.4	27.2
172.5°	6.8	13.6	13.6	13.6	13.6
175°	13.6	13.6	13.6	13.6	6.8
177.5°	13.6	13.6	13.6	6.8	6.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.8	6.8	6.8	6.8	6.8

(END OF REPORT)