

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: P567271

Luminaire Tested: **8SNX-120SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567271  
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-L935-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

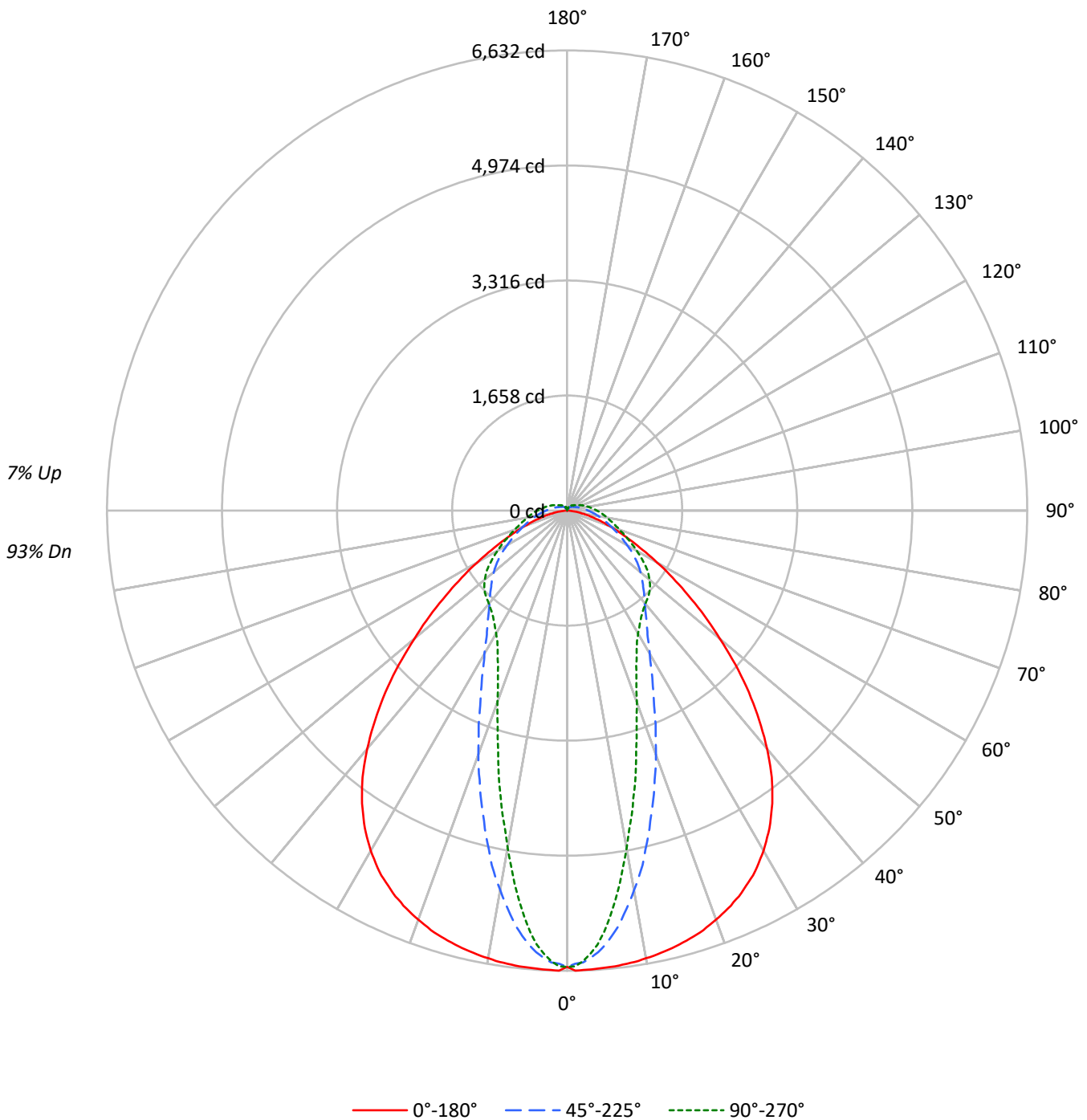
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10484.0 lumens  
Efficiency: N/A  
Efficacy: 124.8 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°	35397	35397	35397
5°	35645	32573	31133
10°	35662	27961	24155
15°	35712	22834	18104
20°	35667	18209	13549
25°	35417	14284	10753
30°	34752	11571	9172
35°	33374	9803	8343
40°	30958	8664	7896
45°	27611	7936	7653
50°	23477	7311	7230
55°	19376	6634	6602
60°	15584	5844	5791
65°	12190	5139	5040
70°	9569	4553	4458
75°	7527	4100	4062
80°	5483	3762	3776
85°	3287	3519	3621



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.4	5.6
10°-20°	1365.2	13.0
20°-30°	1620.5	15.5
30°-40°	1630.4	15.6
40°-50°	1515.6	14.5
50°-60°	1248.0	11.9
60°-70°	879.4	8.4
70°-80°	574.5	5.5
80°-90°	366.8	3.5
90°-100°	240.6	2.3
100°-110°	163.3	1.6
110°-120°	111.9	1.1
120°-130°	77.5	0.7
130°-140°	52.1	0.5
140°-150°	32.1	0.3
150°-160°	16.7	0.2
160°-170°	6.0	0.1
170°-180°	1.0	0.0
0°-30°	3568.2	34.0
0°-40°	5198.6	49.6
0°-60°	7962.2	75.9
0°-90°	9782.8	93.3
90°-120°	515.8	4.9
90°-150°	677.5	6.5
90°-180°	701.0	6.7
0°-180°	10484.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6577	6577	6577	6577	6577	
5°	6610	6522	6286	6165	6099	629
15°	6445	5758	4632	4050	3830	1820
25°	6022	4451	2951	2478	2374	2771
35°	5154	3011	2000	1874	1863	3205
45°	3703	1984	1550	1632	1676	2843
55°	2126	1302	1198	1330	1374	1920
65°	1000	786	824	929	962	1015
75°	390	407	555	654	681	422
85°	66	187	374	484	506	83
90°	0	126	302	412	429	4
95°	0	93	253	346	363	0
105°	0	66	170	242	264	0
115°	6	55	121	176	187	5
125°	6	44	99	126	137	5
135°	6	38	77	99	104	4
145°	6	28	55	77	82	3
155°	6	22	38	55	60	3
165°	6	11	22	28	33	2
175°	11	11	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°	6576.9	6576.9	6576.9	6576.9	6576.9
1°	6631.9	6604.4	6533.0	6582.4	6571.4
2°	6626.4	6598.9	6516.5	6538.5	6500.0
3°	6620.9	6582.4	6456.0	6450.6	6395.6
4°	6615.4	6554.9	6379.1	6313.2	6269.2
5°	6609.9	6522.0	6285.7	6164.8	6098.9
6°	6604.4	6483.5	6164.8	5983.5	5890.1
7°	6593.4	6423.1	6038.5	5791.2	5670.3
8°	6582.4	6368.1	5879.1	5582.4	5434.1
9°	6571.4	6296.7	5719.8	5357.1	5181.3
10°	6549.5	6225.3	5554.9	5126.4	4939.6
11°	6538.5	6142.9	5395.6	4906.6	4686.8
12°	6516.5	6054.9	5225.3	4675.8	4483.5
13°	6494.5	5961.5	5016.5	4478.0	4247.3
14°	6472.5	5862.6	4835.2	4258.2	4044.0
15°	6445.1	5758.2	4631.9	4049.5	3829.7
16°	6417.6	5637.4	4450.6	3835.2	3604.4
17°	6390.1	5522.0	4280.2	3637.4	3428.6
18°	6357.1	5406.6	4082.4	3445.1	3241.8
19°	6313.2	5274.7	3923.1	3269.2	3082.4
20°	6274.7	5153.8	3741.8	3104.4	2939.6
21°	6230.8	5005.5	3560.4	2950.6	2785.7
22.5°	6164.8	4796.7	3329.7	2758.2	2604.4
23°	6131.9	4736.3	3236.3	2686.8	2554.9
24°	6087.9	4576.9	3082.4	2576.9	2445.1
25°	6022.0	4450.6	2950.6	2478.0	2373.6
26°	5961.5	4296.7	2818.7	2390.1	2285.7
27°	5901.1	4148.4	2703.3	2296.7	2208.8
28°	5824.2	3994.5	2576.9	2219.8	2142.9
29°	5741.8	3851.7	2472.5	2153.8	2093.4
30°	5659.3	3692.3	2384.6	2093.4	2044.0
32.5°	5428.6	3340.7	2159.3	1978.0	1945.1
35°	5153.8	3011.0	2000.0	1873.6	1862.6
37.5°	4846.2	2708.8	1857.1	1791.2	1802.2
40°	4483.5	2434.1	1736.3	1730.8	1752.7
42.5°	4098.9	2197.8	1642.9	1681.3	1714.3
45°	3703.3	1983.5	1549.5	1631.9	1675.8
47.5°	3291.2	1796.7	1467.0	1571.4	1620.9
50°	2873.6	1615.4	1379.1	1500.0	1549.5
52.5°	2500.0	1456.0	1291.2	1417.6	1472.5
55°	2126.4	1302.2	1197.8	1329.7	1373.6
57.5°	1802.2	1159.3	1098.9	1230.8	1263.7
60°	1500.0	1022.0	1000.0	1120.9	1159.3
62.5°	1225.3	901.1	906.6	1022.0	1060.4
65°	1000.0	785.7	824.2	928.6	961.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	813.2	675.8	741.8	851.6	879.1
70°	642.9	576.9	675.8	774.7	802.2
72.5°	511.0	489.0	609.9	714.3	736.3
75°	390.1	406.6	554.9	653.8	681.3
77.5°	280.2	340.7	500.0	604.4	626.4
80°	197.8	280.2	456.0	560.4	582.4
82.5°	126.4	230.8	412.1	522.0	544.0
85°	65.9	186.8	373.6	483.5	505.5
87.5°	27.5	153.8	335.2	445.1	467.0
90°	0.0	126.4	302.2	412.1	428.6
92.5°	0.0	109.9	274.7	379.1	395.6
95°	0.0	93.4	252.7	346.2	362.6
97.5°	0.0	87.9	225.3	318.7	335.2
100°	0.0	76.9	203.3	291.2	313.2
102.5°	0.0	71.4	186.8	263.7	285.7
105°	0.0	65.9	170.3	241.8	263.7
107.5°	0.0	60.4	159.3	225.3	241.8
110°	0.0	60.4	142.9	208.8	225.3
112.5°	5.5	54.9	131.9	186.8	203.3
115°	5.5	54.9	120.9	175.8	186.8
117.5°	5.5	54.9	115.4	159.3	170.3
120°	5.5	49.5	109.9	148.4	159.3
122.5°	5.5	49.5	104.4	137.4	142.9
125°	5.5	44.0	98.9	126.4	137.4
127.5°	5.5	44.0	93.4	120.9	126.4
130°	5.5	44.0	87.9	109.9	120.9
132.5°	5.5	38.5	82.4	104.4	109.9
135°	5.5	38.5	76.9	98.9	104.4
137.5°	5.5	33.0	71.4	93.4	98.9
140°	5.5	33.0	65.9	87.9	93.4
142.5°	5.5	27.5	60.4	82.4	87.9
145°	5.5	27.5	54.9	76.9	82.4
147.5°	5.5	27.5	49.5	71.4	76.9
150°	5.5	22.0	44.0	65.9	71.4
152.5°	5.5	22.0	38.5	60.4	65.9
155°	5.5	22.0	38.5	54.9	60.4
157.5°	5.5	16.5	33.0	44.0	54.9
160°	5.5	16.5	27.5	38.5	49.5
162.5°	5.5	16.5	27.5	33.0	38.5
165°	5.5	11.0	22.0	27.5	33.0
167.5°	5.5	11.0	16.5	22.0	27.5
170°	5.5	11.0	16.5	16.5	22.0
172.5°	5.5	11.0	11.0	11.0	11.0
175°	11.0	11.0	11.0	11.0	5.5
177.5°	11.0	11.0	11.0	5.5	5.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)