

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: P567315

Luminaire Tested: **8SNX-126SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567315  
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-126SL-LN-UNV-L835-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

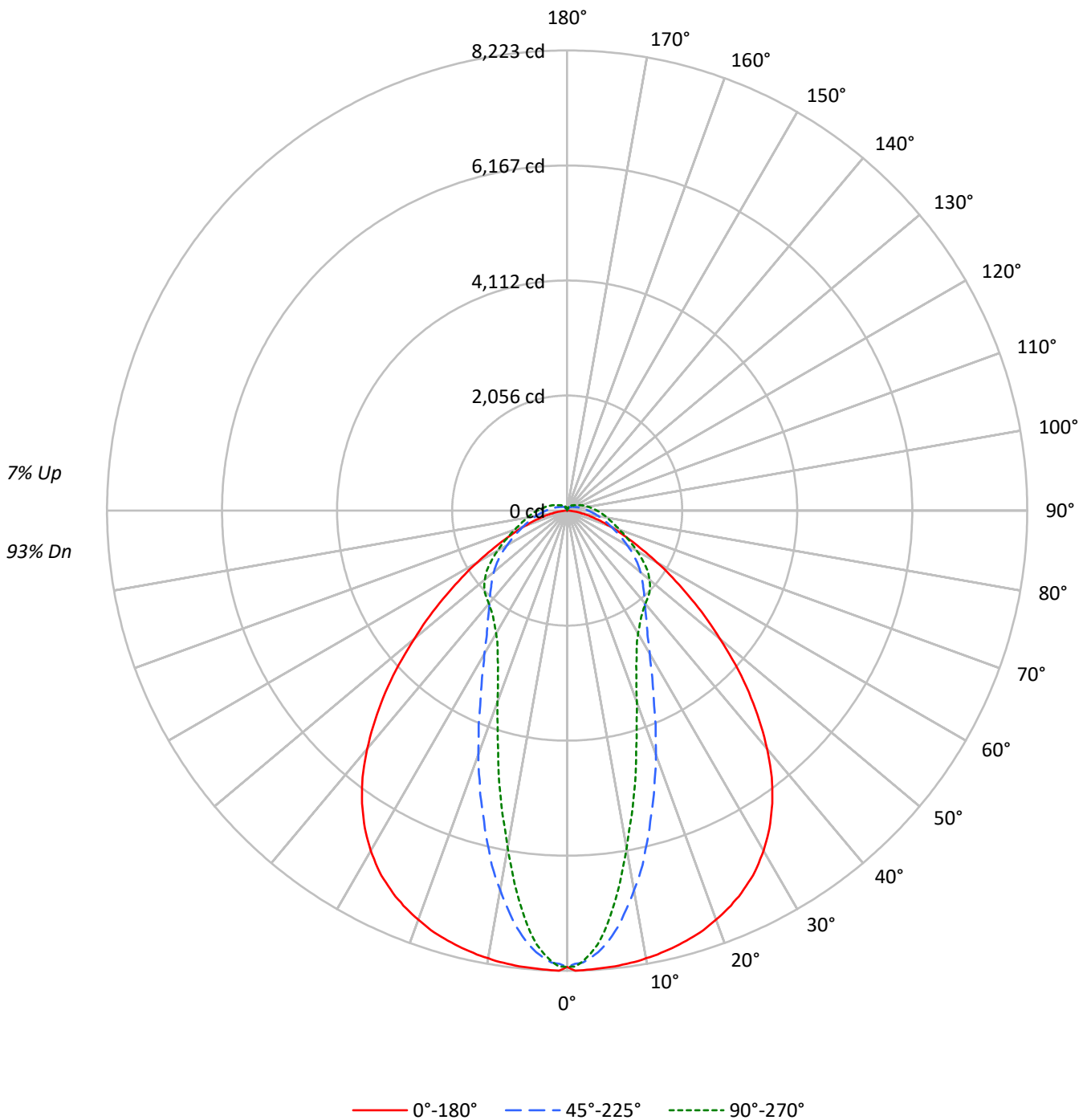
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13000.0 lumens  
Efficiency: N/A  
Efficacy: 146.4 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): 88.8  
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	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°	43891	43891	43891
5°	44200	40390	38605
10°	44220	34671	29952
15°	44282	28313	22449
20°	44227	22578	16800
25°	43916	17711	13333
30°	43092	14349	11373
35°	41384	12156	10345
40°	38388	10743	9792
45°	34238	9840	9490
50°	29112	9066	8964
55°	24026	8226	8187
60°	19324	7246	7182
65°	15116	6372	6249
70°	11864	5646	5528
75°	9333	5084	5036
80°	6799	4665	4682
85°	4080	4363	4490



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	722.2	5.6
10°-20°	1692.9	13.0
20°-30°	2009.4	15.5
30°-40°	2021.7	15.6
40°-50°	1879.3	14.5
50°-60°	1547.5	11.9
60°-70°	1090.4	8.4
70°-80°	712.4	5.5
80°-90°	454.8	3.5
90°-100°	298.3	2.3
100°-110°	202.5	1.6
110°-120°	138.8	1.1
120°-130°	96.0	0.7
130°-140°	64.6	0.5
140°-150°	39.8	0.3
150°-160°	20.7	0.2
160°-170°	7.5	0.1
170°-180°	1.3	0.0
0°-30°	4424.5	34.0
0°-40°	6446.2	49.6
0°-60°	9873.0	75.9
0°-90°	12130.6	93.3
90°-120°	639.6	4.9
90°-150°	840.0	6.5
90°-180°	869.0	6.7
0°-180°	13000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8155	8155	8155	8155	8155	
5°	8196	8087	7794	7644	7562	780
15°	7992	7140	5743	5021	4749	2257
25°	7467	5519	3659	3073	2943	3436
35°	6391	3734	2480	2323	2310	3974
45°	4592	2460	1921	2024	2078	3525
55°	2637	1615	1485	1649	1703	2381
65°	1240	974	1022	1151	1192	1258
75°	484	504	688	811	845	523
85°	82	232	463	600	627	103
90°	0	157	375	511	531	5
95°	0	116	313	429	450	0
105°	0	82	211	300	327	0
115°	7	68	150	218	232	6
125°	7	54	123	157	170	6
135°	7	48	95	123	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°	8155.3	8155.3	8155.3	8155.3	8155.3
1°	8223.4	8189.4	8100.8	8162.1	8148.5
2°	8216.6	8182.5	8080.3	8107.6	8059.9
3°	8209.8	8162.1	8005.4	7998.6	7930.5
4°	8203.0	8128.0	7910.0	7828.3	7773.8
5°	8196.2	8087.2	7794.2	7644.3	7562.5
6°	8189.4	8039.5	7644.3	7419.5	7303.7
7°	8175.7	7964.5	7487.6	7181.0	7031.1
8°	8162.1	7896.4	7290.0	6922.1	6738.2
9°	8148.5	7807.8	7092.4	6642.8	6424.8
10°	8121.2	7719.3	6888.1	6356.6	6125.0
11°	8107.6	7617.1	6690.5	6084.1	5811.6
12°	8080.3	7508.0	6479.3	5798.0	5559.5
13°	8053.1	7392.2	6220.4	5552.7	5266.5
14°	8025.8	7269.6	5995.5	5280.2	5014.4
15°	7991.8	7140.1	5743.4	5021.3	4748.7
16°	7957.7	6990.2	5518.6	4755.5	4469.4
17°	7923.6	6847.2	5307.4	4510.3	4251.4
18°	7882.8	6704.1	5062.1	4271.8	4019.7
19°	7828.3	6540.6	4864.6	4053.8	3822.2
20°	7780.6	6390.7	4639.7	3849.4	3645.0
21°	7726.1	6206.7	4414.9	3658.6	3454.2
22.5°	7644.3	5947.8	4128.7	3420.2	3229.4
23°	7603.4	5872.9	4012.9	3331.6	3168.1
24°	7548.9	5675.3	3822.2	3195.3	3031.8
25°	7467.2	5518.6	3658.6	3072.7	2943.3
26°	7392.2	5327.8	3495.1	2963.7	2834.3
27°	7317.3	5143.9	3352.0	2847.9	2738.9
28°	7221.9	4953.1	3195.3	2752.5	2657.1
29°	7119.7	4776.0	3065.9	2670.7	2595.8
30°	7017.5	4578.4	2956.9	2595.8	2534.5
32.5°	6731.3	4142.4	2677.6	2452.7	2411.8
35°	6390.7	3733.6	2480.0	2323.3	2309.6
37.5°	6009.2	3358.9	2302.8	2221.1	2234.7
40°	5559.5	3018.2	2152.9	2146.1	2173.4
42.5°	5082.6	2725.2	2037.1	2084.8	2125.7
45°	4592.0	2459.5	1921.3	2023.5	2078.0
47.5°	4081.1	2227.9	1819.1	1948.5	2009.9
50°	3563.3	2003.1	1710.1	1860.0	1921.3
52.5°	3100.0	1805.5	1601.1	1757.8	1825.9
55°	2636.7	1614.7	1485.3	1648.8	1703.3
57.5°	2234.7	1437.6	1362.6	1526.1	1567.0
60°	1860.0	1267.2	1240.0	1389.9	1437.6
62.5°	1519.3	1117.3	1124.2	1267.2	1314.9
65°	1240.0	974.3	1022.0	1151.4	1192.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	1008.3	838.0	919.8	1056.0	1090.1
70°	797.1	715.4	838.0	960.6	994.7
72.5°	633.6	606.4	756.3	885.7	913.0
75°	483.7	504.2	688.1	810.8	844.8
77.5°	347.5	422.4	620.0	749.4	776.7
80°	245.3	347.5	565.5	694.9	722.2
82.5°	156.7	286.2	511.0	647.2	674.5
85°	81.8	231.6	463.3	599.6	626.8
87.5°	34.1	190.8	415.6	551.9	579.1
90°	0.0	156.7	374.7	511.0	531.4
92.5°	0.0	136.3	340.7	470.1	490.5
95°	0.0	115.8	313.4	429.2	449.7
97.5°	0.0	109.0	279.3	395.2	415.6
100°	0.0	95.4	252.1	361.1	388.3
102.5°	0.0	88.6	231.6	327.0	354.3
105°	0.0	81.8	211.2	299.8	327.0
107.5°	0.0	74.9	197.6	279.3	299.8
110°	0.0	74.9	177.1	258.9	279.3
112.5°	6.8	68.1	163.5	231.6	252.1
115°	6.8	68.1	149.9	218.0	231.6
117.5°	6.8	68.1	143.1	197.6	211.2
120°	6.8	61.3	136.3	184.0	197.6
122.5°	6.8	61.3	129.4	170.3	177.1
125°	6.8	54.5	122.6	156.7	170.3
127.5°	6.8	54.5	115.8	149.9	156.7
130°	6.8	54.5	109.0	136.3	149.9
132.5°	6.8	47.7	102.2	129.4	136.3
135°	6.8	47.7	95.4	122.6	129.4
137.5°	6.8	40.9	88.6	115.8	122.6
140°	6.8	40.9	81.8	109.0	115.8
142.5°	6.8	34.1	74.9	102.2	109.0
145°	6.8	34.1	68.1	95.4	102.2
147.5°	6.8	34.1	61.3	88.6	95.4
150°	6.8	27.3	54.5	81.8	88.6
152.5°	6.8	27.3	47.7	74.9	81.8
155°	6.8	27.3	47.7	68.1	74.9
157.5°	6.8	20.4	40.9	54.5	68.1
160°	6.8	20.4	34.1	47.7	61.3
162.5°	6.8	20.4	34.1	40.9	47.7
165°	6.8	13.6	27.3	34.1	40.9
167.5°	6.8	13.6	20.4	27.3	34.1
170°	6.8	13.6	20.4	20.4	27.3
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)