

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: P567317

Luminaire Tested: **8SNX-126SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567317
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-L850-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

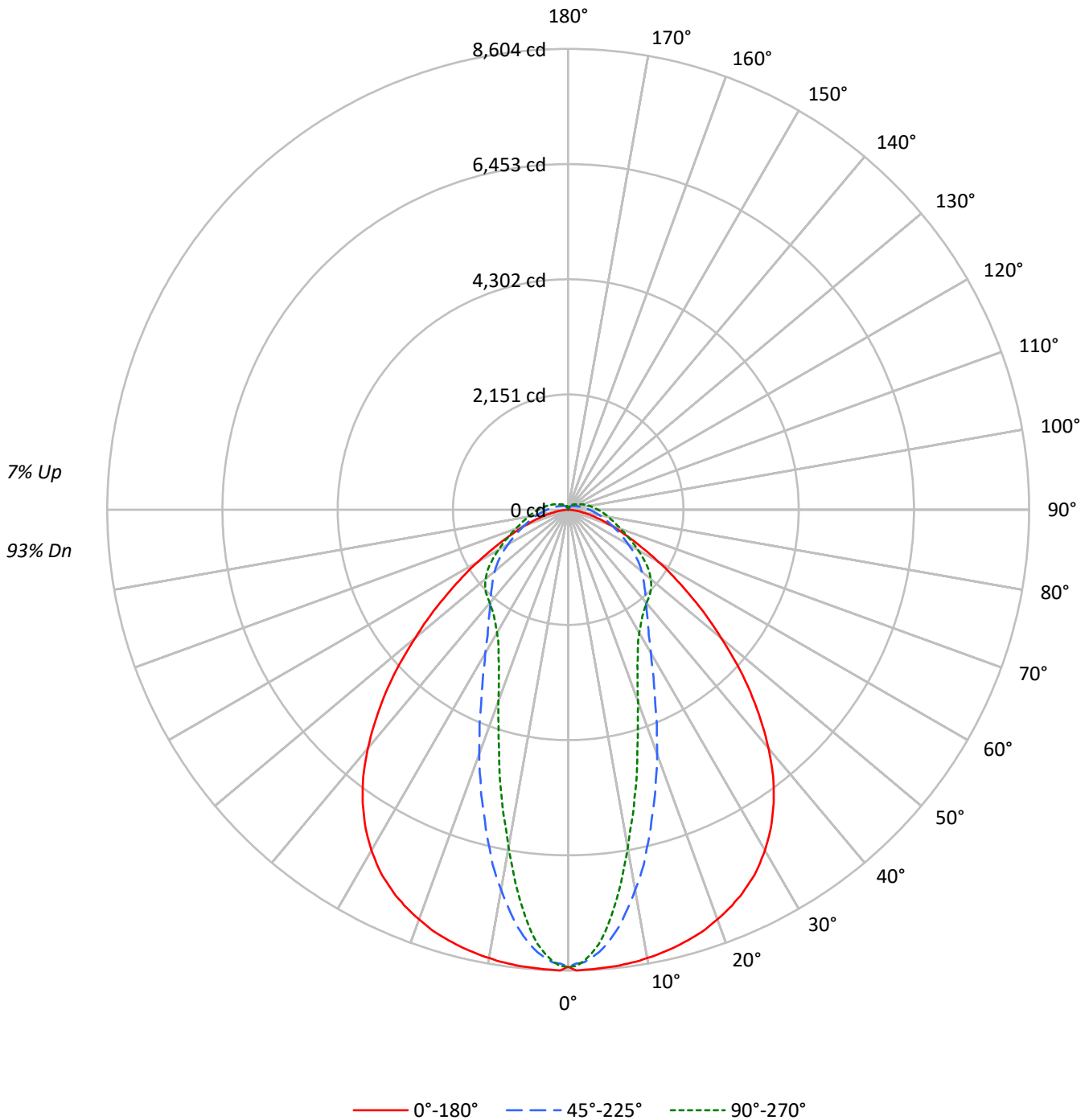
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13602.0 lumens
Efficiency: N/A
Efficacy: 153.2 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	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°	45924	45924	45924
5°	46246	42261	40393
10°	46268	36276	31339
15°	46332	29624	23488
20°	46275	23624	17578
25°	45950	18532	13951
30°	45088	15013	11900
35°	43300	12719	10824
40°	40165	11241	10245
45°	35823	10296	9929
50°	30460	9486	9380
55°	25138	8606	8566
60°	20218	7581	7514
65°	15816	6667	6539
70°	12413	5907	5784
75°	9765	5320	5269
80°	7113	4881	4898
85°	4264	4565	4698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.6	5.6
10°-20°	1771.2	13.0
20°-30°	2102.5	15.5
30°-40°	2115.3	15.6
40°-50°	1966.3	14.5
50°-60°	1619.1	11.9
60°-70°	1140.9	8.4
70°-80°	745.4	5.5
80°-90°	475.9	3.5
90°-100°	312.1	2.3
100°-110°	211.9	1.6
110°-120°	145.2	1.1
120°-130°	100.5	0.7
130°-140°	67.6	0.5
140°-150°	41.7	0.3
150°-160°	21.6	0.2
160°-170°	7.8	0.1
170°-180°	1.3	0.0
0°-30°	4629.4	34.0
0°-40°	6744.7	49.6
0°-60°	10330.1	75.9
0°-90°	12692.3	93.3
90°-120°	669.2	4.9
90°-150°	878.9	6.5
90°-180°	910.0	6.7
0°-180°	13602.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8533	8533	8533	8533	8533	
5°	8576	8462	8155	7998	7913	816
15°	8362	7471	6009	5254	4969	2361
25°	7813	5774	3828	3215	3080	3595
35°	6687	3906	2595	2431	2417	4158
45°	4805	2573	2010	2117	2174	3689
55°	2759	1690	1554	1725	1782	2492
65°	1297	1019	1069	1205	1248	1316
75°	506	528	720	848	884	547
85°	86	242	485	627	656	108
90°	0	164	392	535	556	5
95°	0	121	328	449	470	0
105°	0	86	221	314	342	0
115°	7	71	157	228	242	6
125°	7	57	128	164	178	6
135°	7	50	100	128	135	5
145°	7	36	71	100	107	4
155°	7	28	50	71	78	3
165°	7	14	28	36	43	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°	8532.9	8532.9	8532.9	8532.9	8532.9
1°	8604.2	8568.6	8475.9	8540.1	8525.8
2°	8597.1	8561.5	8454.5	8483.0	8433.1
3°	8590.0	8540.1	8376.1	8369.0	8297.7
4°	8582.8	8504.4	8276.3	8190.8	8133.7
5°	8575.7	8461.7	8155.1	7998.3	7912.8
6°	8568.6	8411.8	7998.3	7763.1	7641.9
7°	8554.3	8333.3	7834.3	7513.6	7356.7
8°	8540.1	8262.1	7627.6	7242.7	7050.2
9°	8525.8	8169.4	7420.9	6950.4	6722.3
10°	8497.3	8076.7	7207.0	6651.0	6408.6
11°	8483.0	7969.8	7000.3	6365.8	6080.7
12°	8454.5	7855.7	6779.3	6066.4	5816.9
13°	8426.0	7734.5	6508.4	5809.8	5510.4
14°	8397.5	7606.2	6273.2	5524.7	5246.7
15°	8361.9	7470.8	6009.4	5253.8	4968.6
16°	8326.2	7314.0	5774.2	4975.8	4676.4
17°	8290.6	7164.2	5553.2	4719.1	4448.3
18°	8247.8	7014.5	5296.6	4469.6	4205.9
19°	8190.8	6843.5	5089.8	4241.5	3999.1
20°	8140.9	6686.6	4854.6	4027.7	3813.8
21°	8083.8	6494.2	4619.3	3828.1	3614.2
22.5°	7998.3	6223.3	4319.9	3578.6	3379.0
23°	7955.5	6144.9	4198.7	3485.9	3314.8
24°	7898.5	5938.1	3999.1	3343.3	3172.2
25°	7813.0	5774.2	3828.1	3215.0	3079.6
26°	7734.5	5574.6	3657.0	3100.9	2965.5
27°	7656.1	5382.1	3507.3	2979.8	2865.7
28°	7556.3	5182.5	3343.3	2880.0	2780.2
29°	7449.4	4997.2	3207.9	2794.4	2716.0
30°	7342.5	4790.4	3093.8	2716.0	2651.8
32.5°	7043.1	4334.2	2801.5	2566.3	2523.5
35°	6686.6	3906.5	2594.8	2430.9	2416.6
37.5°	6287.4	3514.4	2409.5	2323.9	2338.2
40°	5816.9	3158.0	2252.6	2245.5	2274.0
42.5°	5317.9	2851.4	2131.5	2181.4	2224.1
45°	4804.7	2573.4	2010.3	2117.2	2174.2
47.5°	4270.0	2331.1	1903.3	2038.8	2102.9
50°	3728.3	2095.8	1789.3	1946.1	2010.3
52.5°	3243.5	1889.1	1675.2	1839.2	1910.5
55°	2758.8	1689.5	1554.0	1725.1	1782.2
57.5°	2338.2	1504.1	1425.7	1596.8	1639.6
60°	1946.1	1325.9	1297.4	1454.2	1504.1
62.5°	1589.7	1169.1	1176.2	1325.9	1375.8
65°	1297.4	1019.4	1069.3	1204.7	1247.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1055.0	876.8	962.4	1104.9	1140.6
70°	834.0	748.5	876.8	1005.1	1040.8
72.5°	663.0	634.4	791.3	926.7	955.2
75°	506.1	527.5	720.0	848.3	883.9
77.5°	363.6	442.0	648.7	784.1	812.7
80°	256.6	363.6	591.7	727.1	755.6
82.5°	164.0	299.4	534.6	677.2	705.7
85°	85.5	242.4	484.7	627.3	655.8
87.5°	35.6	199.6	434.8	577.4	605.9
90°	0.0	164.0	392.1	534.6	556.0
92.5°	0.0	142.6	356.4	491.9	513.3
95°	0.0	121.2	327.9	449.1	470.5
97.5°	0.0	114.1	292.3	413.5	434.8
100°	0.0	99.8	263.8	377.8	406.3
102.5°	0.0	92.7	242.4	342.2	370.7
105°	0.0	85.5	221.0	313.7	342.2
107.5°	0.0	78.4	206.7	292.3	313.7
110°	0.0	78.4	185.3	270.9	292.3
112.5°	7.1	71.3	171.1	242.4	263.8
115°	7.1	71.3	156.8	228.1	242.4
117.5°	7.1	71.3	149.7	206.7	221.0
120°	7.1	64.2	142.6	192.5	206.7
122.5°	7.1	64.2	135.4	178.2	185.3
125°	7.1	57.0	128.3	164.0	178.2
127.5°	7.1	57.0	121.2	156.8	164.0
130°	7.1	57.0	114.1	142.6	156.8
132.5°	7.1	49.9	106.9	135.4	142.6
135°	7.1	49.9	99.8	128.3	135.4
137.5°	7.1	42.8	92.7	121.2	128.3
140°	7.1	42.8	85.5	114.1	121.2
142.5°	7.1	35.6	78.4	106.9	114.1
145°	7.1	35.6	71.3	99.8	106.9
147.5°	7.1	35.6	64.2	92.7	99.8
150°	7.1	28.5	57.0	85.5	92.7
152.5°	7.1	28.5	49.9	78.4	85.5
155°	7.1	28.5	49.9	71.3	78.4
157.5°	7.1	21.4	42.8	57.0	71.3
160°	7.1	21.4	35.6	49.9	64.2
162.5°	7.1	21.4	35.6	42.8	49.9
165°	7.1	14.3	28.5	35.6	42.8
167.5°	7.1	14.3	21.4	28.5	35.6
170°	7.1	14.3	21.4	21.4	28.5
172.5°	7.1	14.3	14.3	14.3	14.3
175°	14.3	14.3	14.3	14.3	7.1
177.5°	14.3	14.3	14.3	7.1	7.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)