

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: P567302

Luminaire Tested: **8SNX-126SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567302  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-126SL-FDL-UNV-L930-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

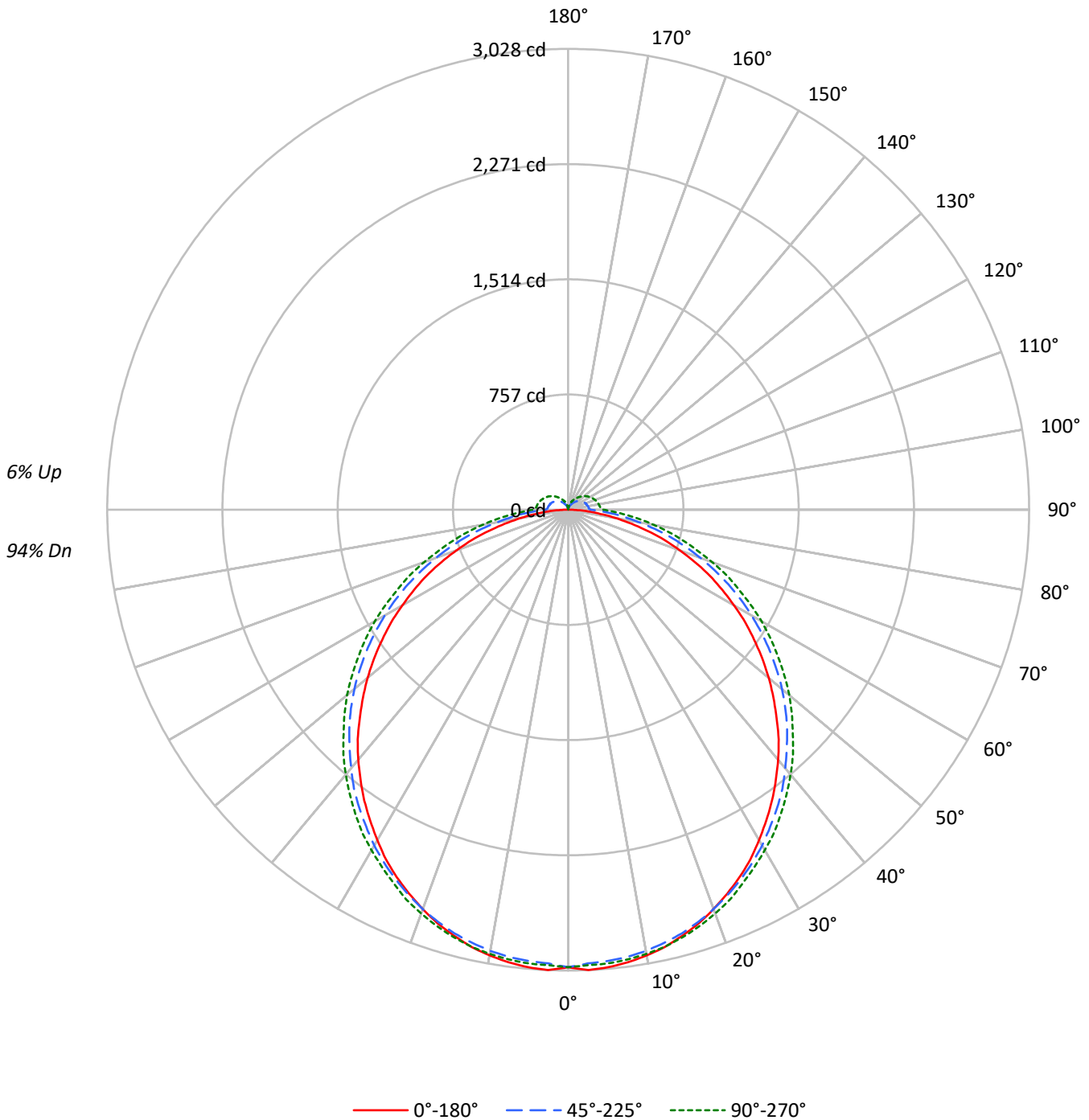
Lumens per Lamp: N/A  
Luminaire Lumens: 9553.0 lumens  
Efficiency: N/A  
Efficacy: 107.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 88.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16179	16179	16179
5°	16297	15916	15935
10°	16238	15749	15735
15°	16124	15555	15510
20°	15966	15319	15246
25°	15784	15059	14933
30°	15534	14795	14644
35°	15282	14484	14342
40°	15005	14140	14004
45°	14654	13800	13608
50°	14317	13412	13247
55°	13897	12931	12744
60°	13426	12380	12251
65°	12933	11723	11569
70°	12073	10897	10865
75°	11041	9922	10020
80°	9522	8629	9083
85°	7693	7521	7984



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.1	3.0
10°-20°	818.1	8.6
20°-30°	1239.8	13.0
30°-40°	1496.6	15.7
40°-50°	1562.9	16.4
50°-60°	1435.8	15.0
60°-70°	1135.4	11.9
70°-80°	718.6	7.5
80°-90°	308.9	3.2
90°-100°	135.9	1.4
100°-110°	121.7	1.3
110°-120°	102.8	1.1
120°-130°	80.1	0.8
130°-140°	55.5	0.6
140°-150°	33.3	0.3
150°-160°	16.2	0.2
160°-170°	5.6	0.1
170°-180°	0.8	0.0
0°-30°	2343.0	24.5
0°-40°	3839.6	40.2
0°-60°	6838.2	71.6
0°-90°	9001.1	94.2
90°-120°	360.4	3.8
90°-150°	529.3	5.5
90°-180°	552.0	5.8
0°-180°	9553.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3006	3006	3006	3006	3006	
5°	3018	3010	2977	3003	2993	287
15°	2898	2898	2883	2913	2908	818
25°	2664	2676	2680	2715	2710	1227
35°	2334	2362	2392	2429	2438	1459
45°	1935	1983	2033	2072	2086	1495
55°	1492	1553	1617	1670	1682	1335
65°	1027	1084	1160	1215	1233	1011
75°	541	606	694	753	782	574
85°	132	203	291	354	376	146
90°	8	73	149	208	230	11
95°	2	63	135	190	210	1
105°	2	58	127	178	196	2
115°	2	49	115	161	178	2
125°	3	44	96	139	154	3
135°	3	34	78	110	124	3
145°	3	25	54	83	91	2
155°	3	17	36	52	63	2
165°	5	12	19	25	36	1
175°	5	7	8	8	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3006.1	3006.1	3006.1	3006.1	3006.1
2.5°	3028.1	3018.0	2984.2	3007.8	2996.0
5°	3018.0	3009.5	2977.4	3002.8	2992.6
7.5°	2999.4	2992.6	2963.9	2990.9	2980.8
10°	2974.0	2968.9	2943.6	2970.6	2963.9
12.5°	2941.9	2940.2	2914.8	2945.2	2940.2
15°	2897.9	2897.9	2882.7	2913.1	2908.0
17.5°	2850.5	2852.2	2840.4	2872.5	2869.1
20°	2793.0	2801.5	2793.0	2826.8	2823.4
22.5°	2730.4	2742.2	2738.9	2772.7	2774.4
25°	2664.4	2676.3	2679.7	2715.2	2710.1
27.5°	2591.7	2610.3	2617.1	2649.2	2647.5
30°	2507.1	2532.5	2547.7	2574.8	2583.2
32.5°	2420.8	2451.3	2469.9	2507.1	2517.2
35°	2334.5	2361.6	2392.1	2429.3	2437.7
37.5°	2239.8	2270.3	2310.9	2346.4	2356.5
40°	2145.1	2178.9	2217.8	2256.7	2272.0
42.5°	2047.0	2082.5	2124.8	2170.4	2185.7
45°	1935.3	1982.7	2033.4	2072.3	2085.9
47.5°	1828.7	1881.2	1935.3	1977.6	1992.8
50°	1720.5	1776.3	1833.8	1872.7	1896.4
52.5°	1607.1	1668.0	1725.5	1774.6	1789.8
55°	1492.1	1553.0	1617.3	1669.7	1681.5
57.5°	1380.4	1439.6	1503.9	1553.0	1576.7
60°	1258.6	1322.9	1392.3	1441.3	1466.7
62.5°	1140.2	1202.8	1277.2	1329.7	1350.0
65°	1026.9	1084.4	1160.5	1214.6	1233.2
67.5°	901.7	967.7	1040.4	1103.0	1126.7
70°	778.2	840.8	923.7	982.9	1006.6
72.5°	663.1	724.0	806.9	866.1	888.1
75°	541.3	605.6	693.6	752.8	781.6
77.5°	424.6	495.7	580.3	644.5	676.7
80°	316.3	378.9	470.3	541.3	570.1
82.5°	214.8	282.5	377.2	443.2	475.4
85°	132.0	203.0	291.0	353.6	375.6
87.5°	62.6	130.3	211.5	272.4	299.4
90°	8.5	72.7	148.9	208.1	230.1
92.5°	1.7	62.6	137.0	192.9	213.2
95°	1.7	62.6	135.3	189.5	209.8
97.5°	1.7	60.9	133.6	187.8	206.4
100°	1.7	59.2	132.0	184.4	204.7
102.5°	1.7	59.2	128.6	181.0	199.6
105°	1.7	57.5	126.9	177.6	196.2
107.5°	1.7	55.8	123.5	174.2	192.9
110°	1.7	52.4	121.8	169.2	187.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	50.8	118.4	165.8	182.7
115°	1.7	49.1	115.0	160.7	177.6
117.5°	1.7	47.4	110.0	155.6	172.6
120°	3.4	47.4	106.6	150.6	165.8
122.5°	3.4	45.7	101.5	143.8	159.0
125°	3.4	44.0	96.4	138.7	153.9
127.5°	3.4	42.3	91.4	132.0	145.5
130°	3.4	38.9	88.0	125.2	138.7
132.5°	3.4	37.2	82.9	116.7	130.3
135°	3.4	33.8	77.8	110.0	123.5
137.5°	3.4	32.1	72.7	103.2	115.0
140°	3.4	30.5	66.0	96.4	108.3
142.5°	3.4	27.1	60.9	89.7	99.8
145°	3.4	25.4	54.1	82.9	91.4
147.5°	3.4	22.0	49.1	76.1	84.6
150°	3.4	20.3	44.0	69.4	77.8
152.5°	3.4	18.6	38.9	60.9	69.4
155°	3.4	16.9	35.5	52.4	62.6
157.5°	3.4	15.2	30.5	45.7	55.8
160°	5.1	13.5	27.1	38.9	47.4
162.5°	5.1	11.8	22.0	32.1	42.3
165°	5.1	11.8	18.6	25.4	35.5
167.5°	5.1	10.2	15.2	20.3	28.8
170°	5.1	8.5	13.5	15.2	22.0
172.5°	5.1	6.8	10.2	10.2	11.8
175°	5.1	6.8	8.5	8.5	5.1
177.5°	5.1	5.1	5.1	5.1	3.4
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)