

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: P567303

Luminaire Tested: **8SNX-126SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567303
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-L935-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

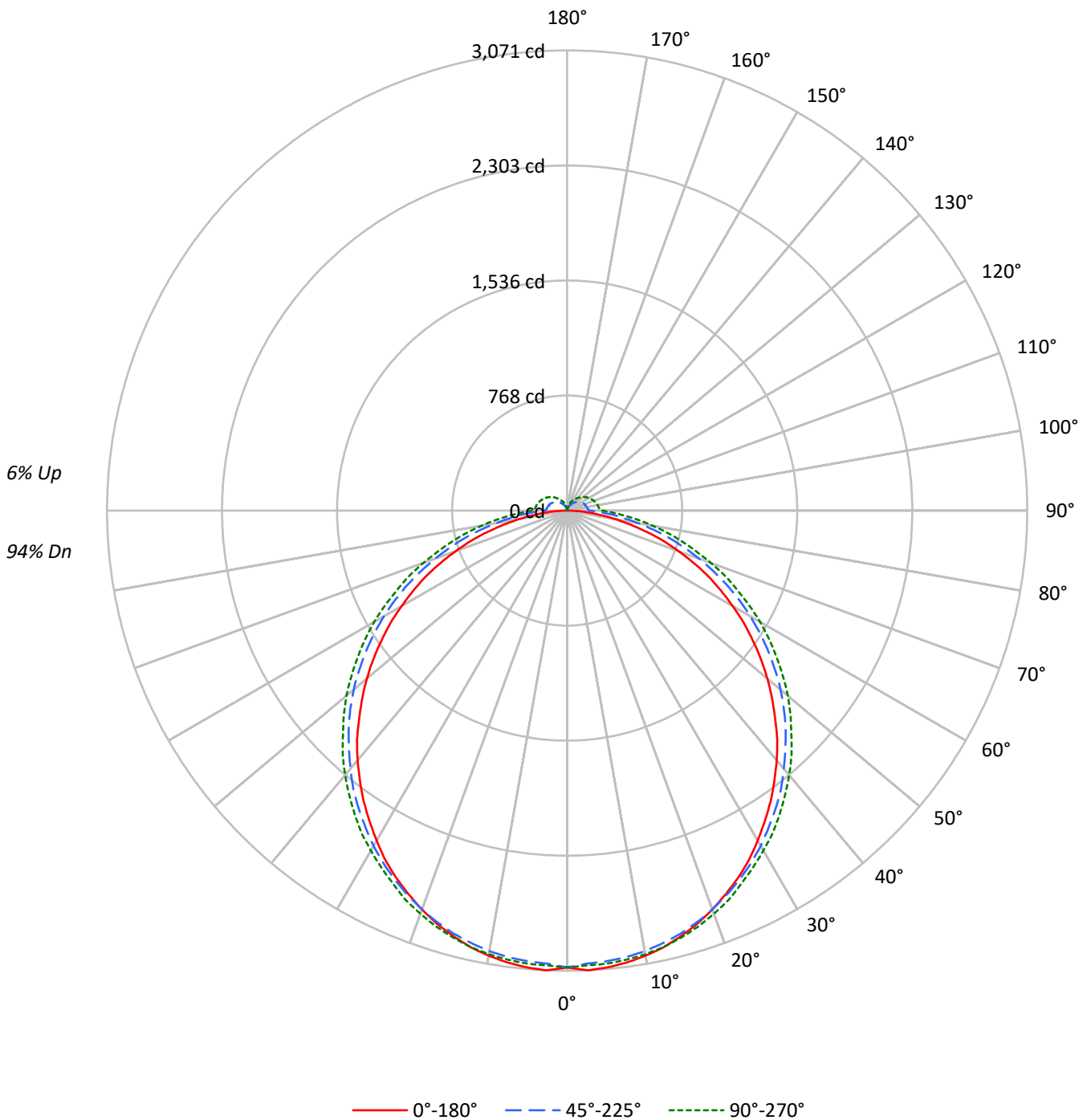
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9689.0 lumens
Efficiency: N/A
Efficacy: 109.1 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_{in}): 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°	16409	16409	16409
5°	16530	16143	16162
10°	16469	15973	15959
15°	16353	15777	15731
20°	16194	15537	15463
25°	16009	15274	15146
30°	15755	15005	14853
35°	15500	14690	14546
40°	15218	14341	14203
45°	14863	13996	13802
50°	14520	13602	13436
55°	14095	13115	12926
60°	13617	12557	12425
65°	13117	11890	11735
70°	12245	11051	11019
75°	11200	10064	10162
80°	9660	8752	9213
85°	7798	7627	8097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.2	3.0
10°-20°	829.7	8.6
20°-30°	1257.4	13.0
30°-40°	1517.9	15.7
40°-50°	1585.1	16.4
50°-60°	1456.2	15.0
60°-70°	1151.5	11.9
70°-80°	728.8	7.5
80°-90°	313.3	3.2
90°-100°	137.9	1.4
100°-110°	123.4	1.3
110°-120°	104.2	1.1
120°-130°	81.2	0.8
130°-140°	56.3	0.6
140°-150°	33.7	0.3
150°-160°	16.5	0.2
160°-170°	5.7	0.1
170°-180°	0.8	0.0
0°-30°	2376.3	24.5
0°-40°	3894.2	40.2
0°-60°	6935.6	71.6
0°-90°	9129.2	94.2
90°-120°	365.5	3.8
90°-150°	536.8	5.5
90°-180°	560.0	5.8
0°-180°	9689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3049	3049	3049	3049	3049	
5°	3061	3052	3020	3046	3035	291
15°	2939	2939	2924	2955	2949	829
25°	2702	2714	2718	2754	2749	1244
35°	2368	2395	2426	2464	2472	1480
45°	1963	2011	2062	2102	2116	1516
55°	1513	1575	1640	1694	1706	1354
65°	1042	1100	1177	1232	1251	1026
75°	549	614	704	764	793	582
85°	134	206	295	359	381	148
90°	9	74	151	211	233	11
95°	2	64	137	192	213	1
105°	2	58	129	180	199	2
115°	2	50	117	163	180	2
125°	3	45	98	141	156	3
135°	3	34	79	112	125	3
145°	3	26	55	84	93	2
155°	3	17	36	53	64	2
165°	5	12	19	26	36	1
175°	5	7	9	9	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3048.9	3048.9	3048.9	3048.9	3048.9
2.5°	3071.3	3061.0	3026.6	3050.7	3038.7
5°	3061.0	3052.4	3019.8	3045.5	3035.2
7.5°	3042.1	3035.2	3006.1	3033.5	3023.2
10°	3016.3	3011.2	2985.5	3012.9	3006.1
12.5°	2983.7	2982.0	2956.3	2987.2	2982.0
15°	2939.1	2939.1	2923.7	2954.6	2949.4
17.5°	2891.1	2892.8	2880.8	2913.4	2910.0
20°	2832.8	2841.3	2832.8	2867.1	2863.6
22.5°	2769.3	2781.3	2777.9	2812.2	2813.9
25°	2702.4	2714.4	2717.8	2753.8	2748.7
27.5°	2628.6	2647.5	2654.3	2686.9	2685.2
30°	2542.8	2568.5	2584.0	2611.4	2620.0
32.5°	2455.3	2486.2	2505.0	2542.8	2553.1
35°	2367.8	2395.2	2426.1	2463.9	2472.4
37.5°	2271.7	2302.6	2343.8	2379.8	2390.1
40°	2175.6	2209.9	2249.4	2288.9	2304.3
42.5°	2076.1	2112.1	2155.0	2201.3	2216.8
45°	1962.9	2010.9	2062.4	2101.8	2115.6
47.5°	1854.8	1908.0	1962.9	2005.8	2021.2
50°	1745.0	1801.6	1859.9	1899.4	1923.4
52.5°	1630.0	1691.8	1750.1	1799.9	1815.3
55°	1513.3	1575.1	1640.3	1693.5	1705.5
57.5°	1400.1	1460.1	1525.3	1575.1	1599.1
60°	1276.5	1341.7	1412.1	1461.8	1487.6
62.5°	1156.4	1219.9	1295.4	1348.6	1369.2
65°	1041.5	1099.8	1177.0	1231.9	1250.8
67.5°	914.5	981.4	1055.2	1118.7	1142.7
70°	789.3	852.7	936.8	996.9	1020.9
72.5°	672.6	734.4	818.4	878.5	900.8
75°	549.1	614.3	703.5	763.5	792.7
77.5°	430.7	502.7	588.5	653.7	686.3
80°	320.9	384.3	477.0	549.1	578.2
82.5°	217.9	286.5	382.6	449.5	482.1
85°	133.8	205.9	295.1	358.6	380.9
87.5°	63.5	132.1	214.5	276.2	303.7
90°	8.6	73.8	151.0	211.0	233.3
92.5°	1.7	63.5	139.0	195.6	216.2
95°	1.7	63.5	137.3	192.2	212.8
97.5°	1.7	61.8	135.5	190.5	209.3
100°	1.7	60.1	133.8	187.0	207.6
102.5°	1.7	60.1	130.4	183.6	202.5
105°	1.7	58.3	128.7	180.2	199.0
107.5°	1.7	56.6	125.3	176.7	195.6
110°	1.7	53.2	123.5	171.6	190.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	51.5	120.1	168.1	185.3
115°	1.7	49.8	116.7	163.0	180.2
117.5°	1.7	48.0	111.5	157.9	175.0
120°	3.4	48.0	108.1	152.7	168.1
122.5°	3.4	46.3	102.9	145.8	161.3
125°	3.4	44.6	97.8	140.7	156.1
127.5°	3.4	42.9	92.7	133.8	147.6
130°	3.4	39.5	89.2	127.0	140.7
132.5°	3.4	37.7	84.1	118.4	132.1
135°	3.4	34.3	78.9	111.5	125.3
137.5°	3.4	32.6	73.8	104.7	116.7
140°	3.4	30.9	66.9	97.8	109.8
142.5°	3.4	27.5	61.8	90.9	101.2
145°	3.4	25.7	54.9	84.1	92.7
147.5°	3.4	22.3	49.8	77.2	85.8
150°	3.4	20.6	44.6	70.3	78.9
152.5°	3.4	18.9	39.5	61.8	70.3
155°	3.4	17.2	36.0	53.2	63.5
157.5°	3.4	15.4	30.9	46.3	56.6
160°	5.1	13.7	27.5	39.5	48.0
162.5°	5.1	12.0	22.3	32.6	42.9
165°	5.1	12.0	18.9	25.7	36.0
167.5°	5.1	10.3	15.4	20.6	29.2
170°	5.1	8.6	13.7	15.4	22.3
172.5°	5.1	6.9	10.3	10.3	12.0
175°	5.1	6.9	8.6	8.6	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)