

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: P567344

Luminaire Tested: **8SNX-126SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-126SL-UNV-L940-CD  
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

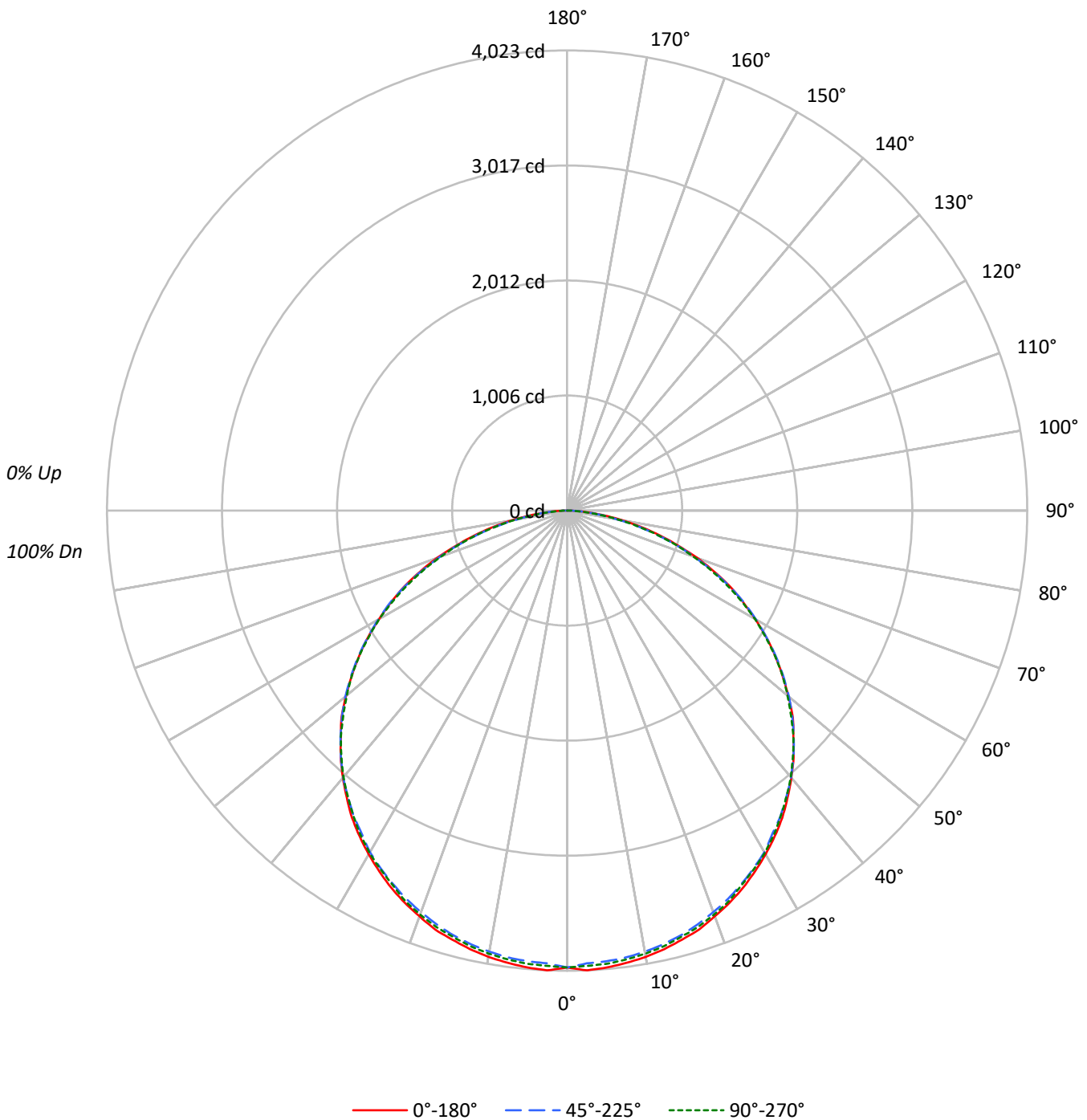
Lumens per Lamp: N/A  
Luminaire Lumens: 11944.0 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	21499	21499	21499
5°	21659	21367	21484
10°	21654	21399	21497
15°	21637	21417	21497
20°	21624	21397	21521
25°	21610	21396	21439
30°	21566	21431	21476
35°	21549	21383	21407
40°	21428	21402	21377
45°	21299	21327	21299
50°	21145	21205	21054
55°	20864	20932	20832
60°	20455	20532	20416
65°	20037	19901	19626
70°	19050	18655	18428
75°	17405	16808	16883
80°	15032	13916	14251
85°	11313	10868	9763



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.9	3.2
10°-20°	1092.0	9.1
20°-30°	1670.8	14.0
30°-40°	2042.8	17.1
40°-50°	2160.9	18.1
50°-60°	1991.0	16.7
60°-70°	1534.3	12.8
70°-80°	859.6	7.2
80°-90°	213.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3141.7	26.3
0°-40°	5184.5	43.4
0°-60°	9336.4	78.2
0°-90°	11944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11944.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3995	3995	3995	3995	3995	
5°	4009	3995	3955	3995	3977	381
15°	3883	3876	3844	3876	3858	1097
25°	3639	3632	3603	3632	3610	1677
35°	3280	3273	3255	3265	3258	2049
45°	2798	2809	2802	2798	2798	2162
55°	2224	2242	2231	2231	2220	1986
65°	1573	1573	1563	1523	1541	1548
75°	837	826	808	780	812	887
85°	183	172	176	176	158	226
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3994.7	3994.7	3994.7	3994.7	3994.7
2.5°	4023.4	4005.4	3962.3	4001.8	3983.9
5°	4009.0	3994.7	3955.1	3994.7	3976.7
7.5°	3987.5	3976.7	3940.8	3976.7	3958.7
10°	3962.3	3951.6	3915.6	3951.6	3933.6
12.5°	3926.4	3919.2	3883.3	3919.2	3901.3
15°	3883.3	3876.1	3843.8	3876.1	3858.2
17.5°	3840.2	3825.8	3793.5	3829.4	3815.0
20°	3775.5	3768.3	3736.0	3768.3	3757.6
22.5°	3710.9	3703.7	3674.9	3703.7	3696.5
25°	3639.0	3631.8	3603.1	3631.8	3610.3
27.5°	3556.4	3560.0	3527.7	3545.6	3534.8
30°	3470.2	3470.2	3448.6	3455.8	3455.8
32.5°	3376.8	3376.8	3344.5	3366.0	3362.4
35°	3279.8	3272.6	3254.6	3265.4	3258.2
37.5°	3164.8	3161.2	3150.5	3157.7	3150.5
40°	3049.9	3053.5	3046.3	3042.7	3042.7
42.5°	2931.3	2938.5	2927.7	2924.1	2920.6
45°	2798.4	2809.2	2802.0	2798.4	2798.4
47.5°	2676.3	2679.9	2669.1	2665.5	2654.7
50°	2525.4	2539.8	2532.6	2525.4	2514.6
52.5°	2374.5	2396.1	2381.7	2374.5	2374.5
55°	2223.6	2241.6	2230.8	2230.8	2220.1
57.5°	2065.6	2083.5	2069.2	2069.2	2054.8
60°	1900.3	1918.3	1907.5	1896.7	1896.7
62.5°	1735.1	1749.5	1745.9	1727.9	1717.1
65°	1573.4	1573.4	1562.7	1523.1	1541.1
67.5°	1390.2	1386.6	1372.3	1332.8	1357.9
70°	1210.6	1210.6	1185.5	1138.8	1171.1
72.5°	1016.6	1027.4	995.1	962.7	995.1
75°	837.0	826.2	808.3	779.5	811.9
77.5°	664.6	646.6	625.1	610.7	628.7
80°	485.0	474.2	449.0	449.0	459.8
82.5°	330.5	319.7	301.8	305.3	291.0
85°	183.2	172.4	176.0	176.0	158.1
87.5°	75.4	75.4	75.4	68.3	61.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)