

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: P567336

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-SLW-UNV-L940-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

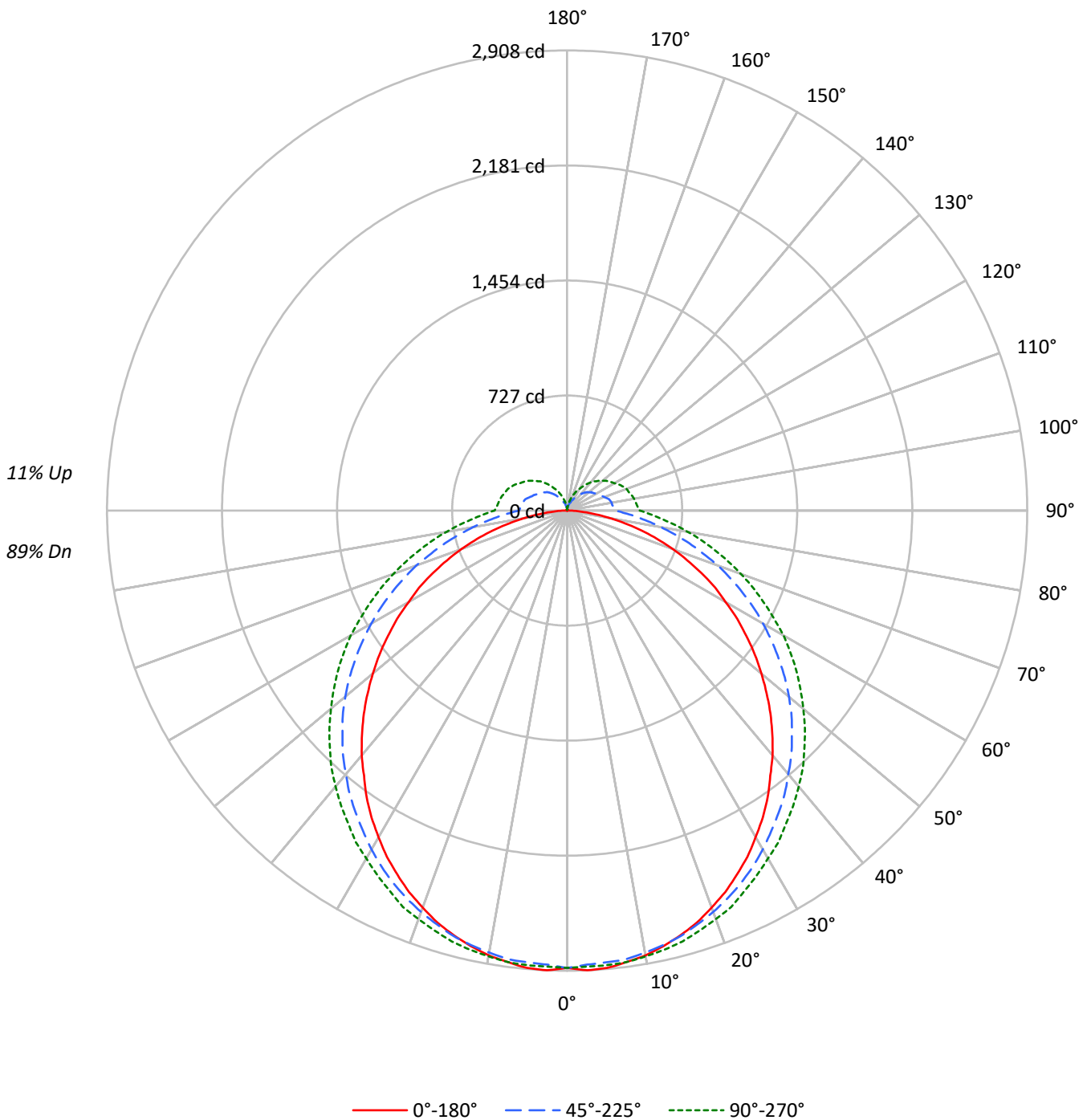
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10288.1 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15553	15553	15553
5°	15663	15163	15141
10°	15570	14866	14766
15°	15428	14560	14421
20°	15232	14207	14036
25°	15001	13863	13635
30°	14724	13483	13238
35°	14419	13088	12865
40°	14069	12700	12507
45°	13691	12304	12121
50°	13257	11887	11689
55°	12782	11384	11264
60°	12223	10846	10791
65°	11654	10239	10195
70°	10849	9573	9611
75°	9781	8723	8965
80°	8023	7860	8328
85°	5923	7130	7674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.5	2.7
10°-20°	789.0	7.7
20°-30°	1199.7	11.7
30°-40°	1456.3	14.2
40°-50°	1538.9	15.0
50°-60°	1440.0	14.0
60°-70°	1181.5	11.5
70°-80°	812.7	7.9
80°-90°	445.0	4.3
90°-100°	286.6	2.8
100°-110°	257.2	2.5
110°-120°	212.9	2.1
120°-130°	163.9	1.6
130°-140°	115.2	1.1
140°-150°	69.4	0.7
150°-160°	33.2	0.3
160°-170°	10.9	0.1
170°-180°	1.3	0.0
0°-30°	2263.1	22.0
0°-40°	3719.4	36.2
0°-60°	6698.3	65.1
0°-90°	9137.5	88.8
90°-120°	756.6	7.4
90°-150°	1105.1	10.7
90°-180°	1151.0	11.2
0°-180°	10288.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2890	2890	2890	2890	2890	
5°	2902	2896	2866	2890	2884	275
15°	2777	2789	2783	2818	2818	783
25°	2538	2568	2598	2652	2652	1170
35°	2211	2264	2330	2395	2413	1381
45°	1817	1901	2008	2097	2121	1401
55°	1382	1496	1633	1734	1770	1237
65°	936	1061	1222	1335	1370	926
75°	489	620	798	924	965	514
85°	107	256	435	554	596	124
90°	0	143	304	417	459	7
95°	0	137	292	399	441	0
105°	0	113	274	375	411	4
115°	6	101	232	334	375	6
125°	6	83	197	286	322	5
135°	6	66	161	232	262	5
145°	6	48	113	179	197	4
155°	6	30	72	113	131	3
165°	6	18	36	54	66	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2889.9	2889.9	2889.9	2889.9	2889.9
2.5°	2907.8	2901.8	2872.0	2895.9	2884.0
5°	2901.8	2895.9	2866.1	2889.9	2884.0
7.5°	2878.0	2878.0	2860.1	2884.0	2878.0
10°	2854.2	2854.2	2836.3	2866.1	2860.1
12.5°	2818.4	2824.4	2812.5	2848.2	2842.3
15°	2776.7	2788.6	2782.7	2818.4	2818.4
17.5°	2729.0	2741.0	2741.0	2782.7	2782.7
20°	2669.5	2687.3	2699.2	2746.9	2746.9
22.5°	2609.9	2633.7	2651.6	2693.3	2711.2
25°	2538.4	2568.2	2598.0	2651.6	2651.6
27.5°	2466.9	2502.6	2538.4	2592.0	2598.0
30°	2383.4	2425.2	2472.8	2526.4	2538.4
32.5°	2300.0	2353.6	2401.3	2466.9	2484.7
35°	2210.6	2264.3	2329.8	2395.4	2413.2
37.5°	2109.3	2174.9	2258.3	2329.8	2347.7
40°	2020.0	2091.5	2174.9	2258.3	2276.2
42.5°	1918.7	1996.1	2097.4	2174.9	2204.7
45°	1817.4	1900.8	2008.0	2097.4	2121.3
47.5°	1710.1	1805.5	1924.6	2008.0	2037.8
50°	1602.9	1704.2	1829.3	1924.6	1948.5
52.5°	1495.6	1602.9	1734.0	1829.3	1859.1
55°	1382.4	1495.6	1632.7	1734.0	1769.7
57.5°	1275.1	1388.4	1531.4	1638.6	1674.4
60°	1156.0	1287.1	1430.1	1537.3	1579.0
62.5°	1054.7	1173.8	1328.8	1436.0	1471.8
65°	935.5	1060.6	1221.5	1334.7	1370.5
67.5°	822.3	953.4	1114.3	1233.4	1269.2
70°	709.1	840.2	1013.0	1126.2	1167.9
72.5°	595.9	732.9	899.7	1024.9	1066.6
75°	488.6	619.7	798.5	923.6	965.3
77.5°	375.4	518.4	697.2	822.3	870.0
80°	274.1	423.1	601.8	726.9	774.6
82.5°	184.7	333.7	512.4	637.6	685.2
85°	107.3	256.2	435.0	554.2	595.9
87.5°	53.6	196.6	363.5	482.6	524.4
90°	0.0	143.0	303.9	417.1	458.8
92.5°	0.0	137.0	297.9	405.2	446.9
95°	0.0	137.0	292.0	399.2	440.9
97.5°	0.0	131.1	286.0	399.2	435.0
100°	0.0	125.1	286.0	393.3	429.0
102.5°	0.0	119.2	280.1	387.3	423.1
105°	0.0	113.2	274.1	375.4	411.1
107.5°	6.0	113.2	262.2	369.4	405.2
110°	6.0	107.3	250.3	363.5	399.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.0	101.3	238.3	351.6	387.3
115°	6.0	101.3	232.4	333.7	375.4
117.5°	6.0	95.3	220.5	321.8	363.5
120°	6.0	95.3	214.5	309.8	345.6
122.5°	6.0	89.4	202.6	297.9	333.7
125°	6.0	83.4	196.6	286.0	321.8
127.5°	6.0	77.5	190.7	274.1	309.8
130°	6.0	71.5	178.8	262.2	292.0
132.5°	6.0	71.5	172.8	244.3	280.1
135°	6.0	65.5	160.9	232.4	262.2
137.5°	6.0	59.6	149.0	220.5	250.3
140°	6.0	53.6	137.0	208.6	232.4
142.5°	6.0	53.6	125.1	190.7	214.5
145°	6.0	47.7	113.2	178.8	196.6
147.5°	6.0	41.7	101.3	160.9	178.8
150°	6.0	41.7	89.4	143.0	160.9
152.5°	6.0	35.8	77.5	131.1	149.0
155°	6.0	29.8	71.5	113.2	131.1
157.5°	6.0	29.8	59.6	95.3	113.2
160°	6.0	23.8	53.6	77.5	95.3
162.5°	6.0	23.8	47.7	65.5	83.4
165°	6.0	17.9	35.8	53.6	65.5
167.5°	6.0	17.9	29.8	41.7	53.6
170°	6.0	11.9	23.8	29.8	41.7
172.5°	6.0	11.9	17.9	17.9	17.9
175°	6.0	6.0	11.9	11.9	6.0
177.5°	6.0	6.0	6.0	6.0	6.0
180°	6.0	6.0	6.0	6.0	6.0

(END OF REPORT)