

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: P567329

Luminaire Tested: **8SNX-126SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567329
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-LW-UNV-L950-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

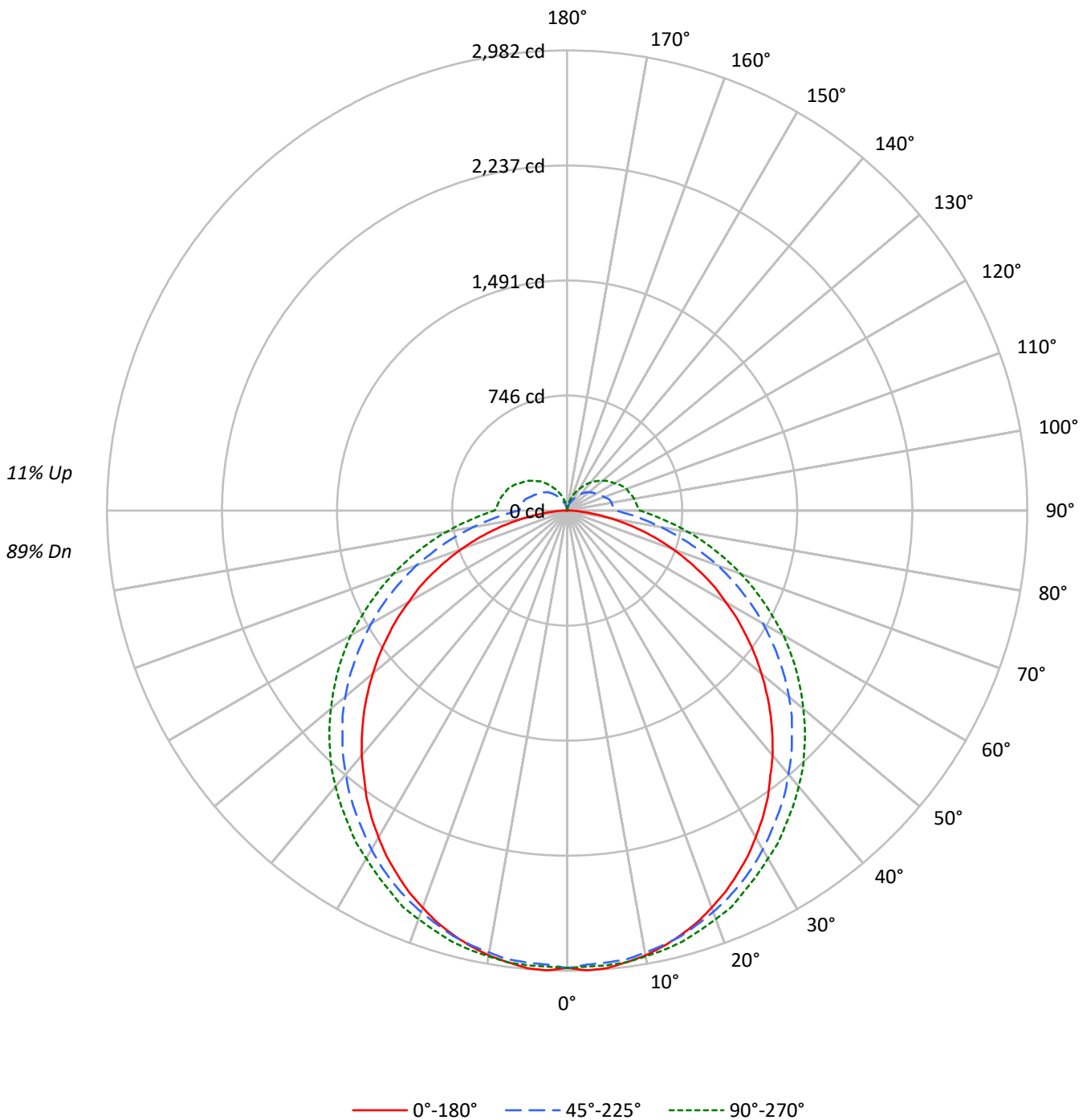
Lumens per Lamp: N/A
Luminaire Lumens: 10551.0 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	15951	15951	15951
5°	16049	15232	15098
10°	15938	14641	14344
15°	15779	14068	13664
20°	15562	13471	12984
25°	15311	12898	12319
30°	15010	12306	11682
35°	14682	11712	11086
40°	14304	11130	10517
45°	13896	10547	9935
50°	13430	9946	9324
55°	12918	9273	8724
60°	12316	8570	8090
65°	11695	7810	7367
70°	10824	6999	6656
75°	9668	6051	5902
80°	7792	5092	5150
85°	5486	4201	4378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.5	2.7
10°-20°	809.1	7.7
20°-30°	1230.3	11.7
30°-40°	1493.5	14.2
40°-50°	1578.2	15.0
50°-60°	1476.8	14.0
60°-70°	1211.7	11.5
70°-80°	833.4	7.9
80°-90°	456.4	4.3
90°-100°	293.9	2.8
100°-110°	263.7	2.5
110°-120°	218.3	2.1
120°-130°	168.1	1.6
130°-140°	118.1	1.1
140°-150°	71.2	0.7
150°-160°	34.1	0.3
160°-170°	11.2	0.1
170°-180°	1.3	0.0
0°-30°	2321.0	22.0
0°-40°	3814.5	36.2
0°-60°	6869.5	65.1
0°-90°	9371.1	88.8
90°-120°	775.9	7.4
90°-150°	1133.3	10.7
90°-180°	1180.0	11.2
0°-180°	10551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2964	2964	2964	2964	2964	
5°	2976	2970	2939	2964	2958	282
15°	2848	2860	2854	2890	2890	803
25°	2603	2634	2664	2719	2719	1200
35°	2267	2322	2389	2457	2475	1416
45°	1864	1949	2059	2151	2176	1437
55°	1418	1534	1674	1778	1815	1269
65°	959	1088	1253	1369	1406	950
75°	501	636	819	947	990	528
85°	110	263	446	568	611	127
90°	0	147	312	428	470	8
95°	0	141	299	409	452	0
105°	0	116	281	385	422	4
115°	6	104	238	342	385	6
125°	6	86	202	293	330	5
135°	6	67	165	238	269	5
145°	6	49	116	183	202	4
155°	6	31	73	116	134	3
165°	6	18	37	55	67	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°	2963.8	2963.8	2963.8	2963.8	2963.8
2.5°	2982.1	2976.0	2945.5	2969.9	2957.7
5°	2976.0	2969.9	2939.4	2963.8	2957.7
7.5°	2951.6	2951.6	2933.2	2957.7	2951.6
10°	2927.1	2927.1	2908.8	2939.4	2933.2
12.5°	2890.5	2896.6	2884.4	2921.0	2914.9
15°	2847.7	2859.9	2853.8	2890.5	2890.5
17.5°	2798.8	2811.0	2811.0	2853.8	2853.8
20°	2737.7	2756.0	2768.3	2817.1	2817.1
22.5°	2676.6	2701.0	2719.4	2762.1	2780.5
25°	2603.3	2633.8	2664.4	2719.4	2719.4
27.5°	2529.9	2566.6	2603.3	2658.3	2664.4
30°	2444.4	2487.1	2536.0	2591.0	2603.3
32.5°	2358.8	2413.8	2462.7	2529.9	2548.3
35°	2267.2	2322.2	2389.4	2456.6	2474.9
37.5°	2163.3	2230.5	2316.0	2389.4	2407.7
40°	2071.6	2144.9	2230.5	2316.0	2334.4
42.5°	1967.7	2047.2	2151.0	2230.5	2261.0
45°	1863.8	1949.4	2059.4	2151.0	2175.5
47.5°	1753.8	1851.6	1973.8	2059.4	2089.9
50°	1643.8	1747.7	1876.1	1973.8	1998.3
52.5°	1533.8	1643.8	1778.3	1876.1	1906.6
55°	1417.7	1533.8	1674.4	1778.3	1814.9
57.5°	1307.7	1423.8	1570.5	1680.5	1717.2
60°	1185.5	1320.0	1466.6	1576.6	1619.4
62.5°	1081.6	1203.9	1362.7	1472.7	1509.4
65°	959.4	1087.7	1252.7	1368.8	1405.5
67.5°	843.3	977.7	1142.7	1265.0	1301.6
70°	727.2	861.6	1038.9	1155.0	1197.7
72.5°	611.1	751.6	922.8	1051.1	1093.9
75°	501.1	635.5	818.9	947.2	990.0
77.5°	385.0	531.7	715.0	843.3	892.2
80°	281.1	433.9	617.2	745.5	794.4
82.5°	189.4	342.2	525.5	653.9	702.8
85°	110.0	262.8	446.1	568.3	611.1
87.5°	55.0	201.7	372.8	495.0	537.8
90°	0.0	146.7	311.7	427.8	470.5
92.5°	0.0	140.6	305.5	415.5	458.3
95°	0.0	140.6	299.4	409.4	452.2
97.5°	0.0	134.4	293.3	409.4	446.1
100°	0.0	128.3	293.3	403.3	440.0
102.5°	0.0	122.2	287.2	397.2	433.9
105°	0.0	116.1	281.1	385.0	421.7
107.5°	6.1	116.1	268.9	378.9	415.5
110°	6.1	110.0	256.7	372.8	409.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.1	103.9	244.4	360.5	397.2
115°	6.1	103.9	238.3	342.2	385.0
117.5°	6.1	97.8	226.1	330.0	372.8
120°	6.1	97.8	220.0	317.8	354.4
122.5°	6.1	91.7	207.8	305.5	342.2
125°	6.1	85.6	201.7	293.3	330.0
127.5°	6.1	79.4	195.5	281.1	317.8
130°	6.1	73.3	183.3	268.9	299.4
132.5°	6.1	73.3	177.2	250.5	287.2
135°	6.1	67.2	165.0	238.3	268.9
137.5°	6.1	61.1	152.8	226.1	256.7
140°	6.1	55.0	140.6	213.9	238.3
142.5°	6.1	55.0	128.3	195.5	220.0
145°	6.1	48.9	116.1	183.3	201.7
147.5°	6.1	42.8	103.9	165.0	183.3
150°	6.1	42.8	91.7	146.7	165.0
152.5°	6.1	36.7	79.4	134.4	152.8
155°	6.1	30.6	73.3	116.1	134.4
157.5°	6.1	30.6	61.1	97.8	116.1
160°	6.1	24.4	55.0	79.4	97.8
162.5°	6.1	24.4	48.9	67.2	85.6
165°	6.1	18.3	36.7	55.0	67.2
167.5°	6.1	18.3	30.6	42.8	55.0
170°	6.1	12.2	24.4	30.6	42.8
172.5°	6.1	12.2	18.3	18.3	18.3
175°	6.1	6.1	12.2	12.2	6.1
177.5°	6.1	6.1	6.1	6.1	6.1
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)