

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: P567335

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567335
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-L935-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

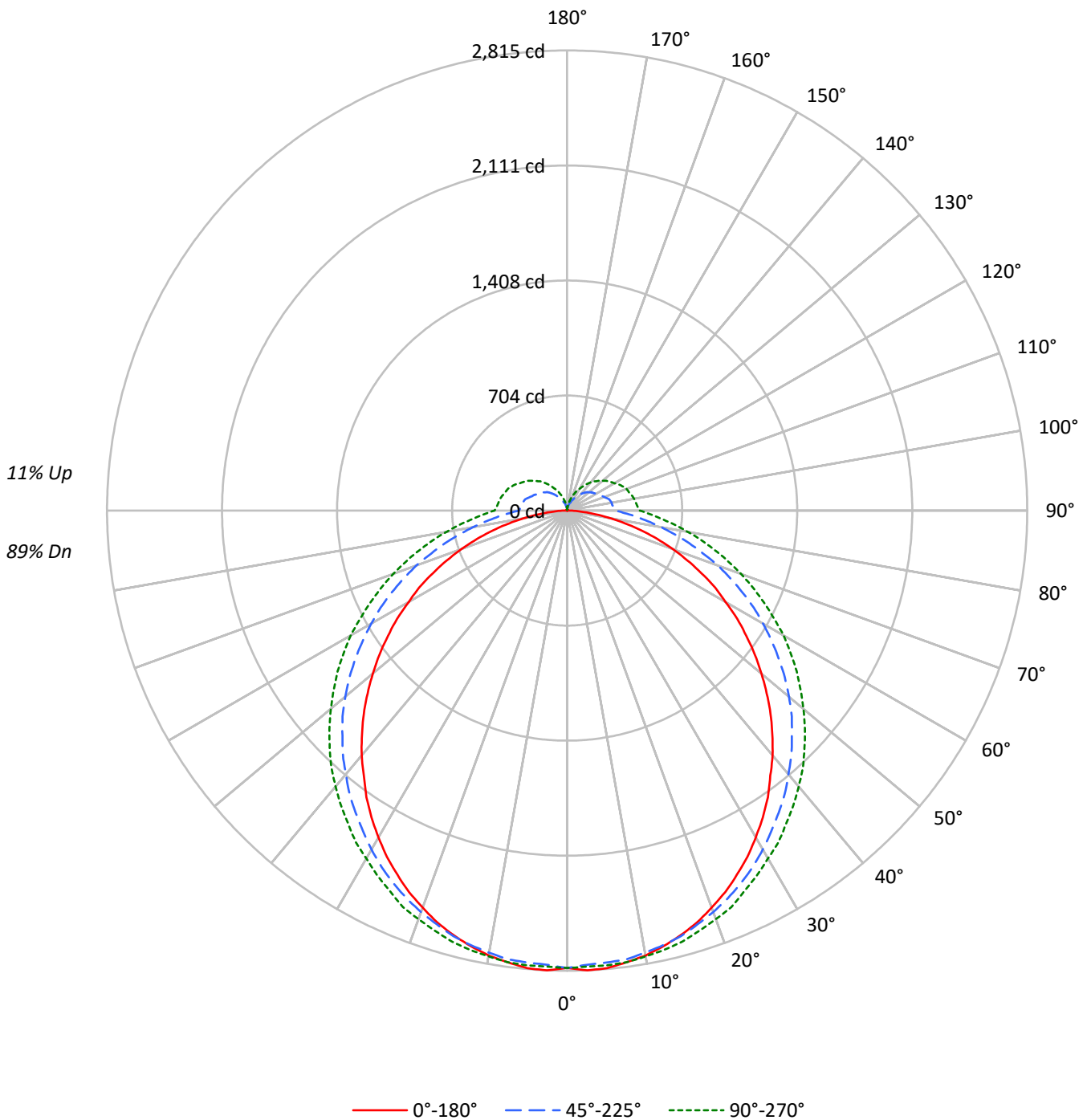
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9961.0 lumens
Efficiency: N/A
Efficacy: 112.2 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 (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	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°	15059	15059	15059
5°	15165	14681	14660
10°	15075	14393	14297
15°	14938	14097	13962
20°	14747	13756	13590
25°	14524	13422	13202
30°	14256	13054	12817
35°	13961	12673	12456
40°	13622	12297	12110
45°	13255	11914	11736
50°	12835	11509	11317
55°	12376	11022	10907
60°	11834	10501	10448
65°	11284	9914	9870
70°	10503	9269	9306
75°	9471	8445	8680
80°	7769	7611	8063
85°	5730	6904	7430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	2.7
10°-20°	763.9	7.7
20°-30°	1161.5	11.7
30°-40°	1410.0	14.2
40°-50°	1490.0	15.0
50°-60°	1394.2	14.0
60°-70°	1144.0	11.5
70°-80°	786.8	7.9
80°-90°	430.9	4.3
90°-100°	277.5	2.8
100°-110°	249.0	2.5
110°-120°	206.1	2.1
120°-130°	158.7	1.6
130°-140°	111.5	1.1
140°-150°	67.2	0.7
150°-160°	32.2	0.3
160°-170°	10.6	0.1
170°-180°	1.3	0.0
0°-30°	2191.2	22.0
0°-40°	3601.2	36.2
0°-60°	6485.4	65.1
0°-90°	8847.1	88.8
90°-120°	732.6	7.4
90°-150°	1070.0	10.7
90°-180°	1114.0	11.2
0°-180°	9961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2798	2798	2798	2798	2798	
5°	2810	2804	2775	2798	2792	266
15°	2688	2700	2694	2729	2729	758
25°	2458	2486	2515	2567	2567	1132
35°	2140	2192	2256	2319	2336	1337
45°	1760	1840	1944	2031	2054	1356
55°	1338	1448	1581	1679	1714	1198
65°	906	1027	1183	1292	1327	897
75°	473	600	773	894	935	498
85°	104	248	421	536	577	120
90°	0	138	294	404	444	7
95°	0	133	283	386	427	0
105°	0	110	265	364	398	4
115°	6	98	225	323	364	6
125°	6	81	190	277	312	5
135°	6	64	156	225	254	4
145°	6	46	110	173	190	4
155°	6	29	69	110	127	3
165°	6	17	35	52	64	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°	2798.1	2798.1	2798.1	2798.1	2798.1
2.5°	2815.4	2809.6	2780.8	2803.8	2792.3
5°	2809.6	2803.8	2775.0	2798.1	2792.3
7.5°	2786.5	2786.5	2769.2	2792.3	2786.5
10°	2763.5	2763.5	2746.1	2775.0	2769.2
12.5°	2728.8	2734.6	2723.1	2757.7	2751.9
15°	2688.5	2700.0	2694.2	2728.8	2728.8
17.5°	2642.3	2653.8	2653.8	2694.2	2694.2
20°	2584.6	2601.9	2613.5	2659.6	2659.6
22.5°	2526.9	2550.0	2567.3	2607.7	2625.0
25°	2457.7	2486.5	2515.4	2567.3	2567.3
27.5°	2388.5	2423.1	2457.7	2509.6	2515.4
30°	2307.7	2348.1	2394.2	2446.1	2457.7
32.5°	2226.9	2278.8	2325.0	2388.5	2405.8
35°	2140.4	2192.3	2255.8	2319.2	2336.5
37.5°	2042.3	2105.8	2186.5	2255.8	2273.1
40°	1955.8	2025.0	2105.8	2186.5	2203.8
42.5°	1857.7	1932.7	2030.8	2105.8	2134.6
45°	1759.6	1840.4	1944.2	2030.8	2053.8
47.5°	1655.8	1748.1	1863.5	1944.2	1973.1
50°	1551.9	1650.0	1771.1	1863.5	1886.5
52.5°	1448.1	1551.9	1678.8	1771.1	1800.0
55°	1338.5	1448.1	1580.8	1678.8	1713.5
57.5°	1234.6	1344.2	1482.7	1586.5	1621.1
60°	1119.2	1246.1	1384.6	1488.5	1528.8
62.5°	1021.2	1136.5	1286.5	1390.4	1425.0
65°	905.8	1026.9	1182.7	1292.3	1326.9
67.5°	796.2	923.1	1078.8	1194.2	1228.8
70°	686.5	813.5	980.8	1090.4	1130.8
72.5°	576.9	709.6	871.2	992.3	1032.7
75°	473.1	600.0	773.1	894.2	934.6
77.5°	363.5	501.9	675.0	796.2	842.3
80°	265.4	409.6	582.7	703.8	750.0
82.5°	178.8	323.1	496.2	617.3	663.5
85°	103.8	248.1	421.2	536.5	576.9
87.5°	51.9	190.4	351.9	467.3	507.7
90°	0.0	138.5	294.2	403.8	444.2
92.5°	0.0	132.7	288.5	392.3	432.7
95°	0.0	132.7	282.7	386.5	426.9
97.5°	0.0	126.9	276.9	386.5	421.2
100°	0.0	121.2	276.9	380.8	415.4
102.5°	0.0	115.4	271.2	375.0	409.6
105°	0.0	109.6	265.4	363.5	398.1
107.5°	5.8	109.6	253.8	357.7	392.3
110°	5.8	103.8	242.3	351.9	386.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	98.1	230.8	340.4	375.0
115°	5.8	98.1	225.0	323.1	363.5
117.5°	5.8	92.3	213.5	311.5	351.9
120°	5.8	92.3	207.7	300.0	334.6
122.5°	5.8	86.5	196.2	288.5	323.1
125°	5.8	80.8	190.4	276.9	311.5
127.5°	5.8	75.0	184.6	265.4	300.0
130°	5.8	69.2	173.1	253.8	282.7
132.5°	5.8	69.2	167.3	236.5	271.2
135°	5.8	63.5	155.8	225.0	253.8
137.5°	5.8	57.7	144.2	213.5	242.3
140°	5.8	51.9	132.7	201.9	225.0
142.5°	5.8	51.9	121.2	184.6	207.7
145°	5.8	46.2	109.6	173.1	190.4
147.5°	5.8	40.4	98.1	155.8	173.1
150°	5.8	40.4	86.5	138.5	155.8
152.5°	5.8	34.6	75.0	126.9	144.2
155°	5.8	28.8	69.2	109.6	126.9
157.5°	5.8	28.8	57.7	92.3	109.6
160°	5.8	23.1	51.9	75.0	92.3
162.5°	5.8	23.1	46.2	63.5	80.8
165°	5.8	17.3	34.6	51.9	63.5
167.5°	5.8	17.3	28.8	40.4	51.9
170°	5.8	11.5	23.1	28.8	40.4
172.5°	5.8	11.5	17.3	17.3	17.3
175°	5.8	5.8	11.5	11.5	5.8
177.5°	5.8	5.8	5.8	5.8	5.8
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)