

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: P567330

Luminaire Tested: **8SNX-126SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567330
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-L830-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

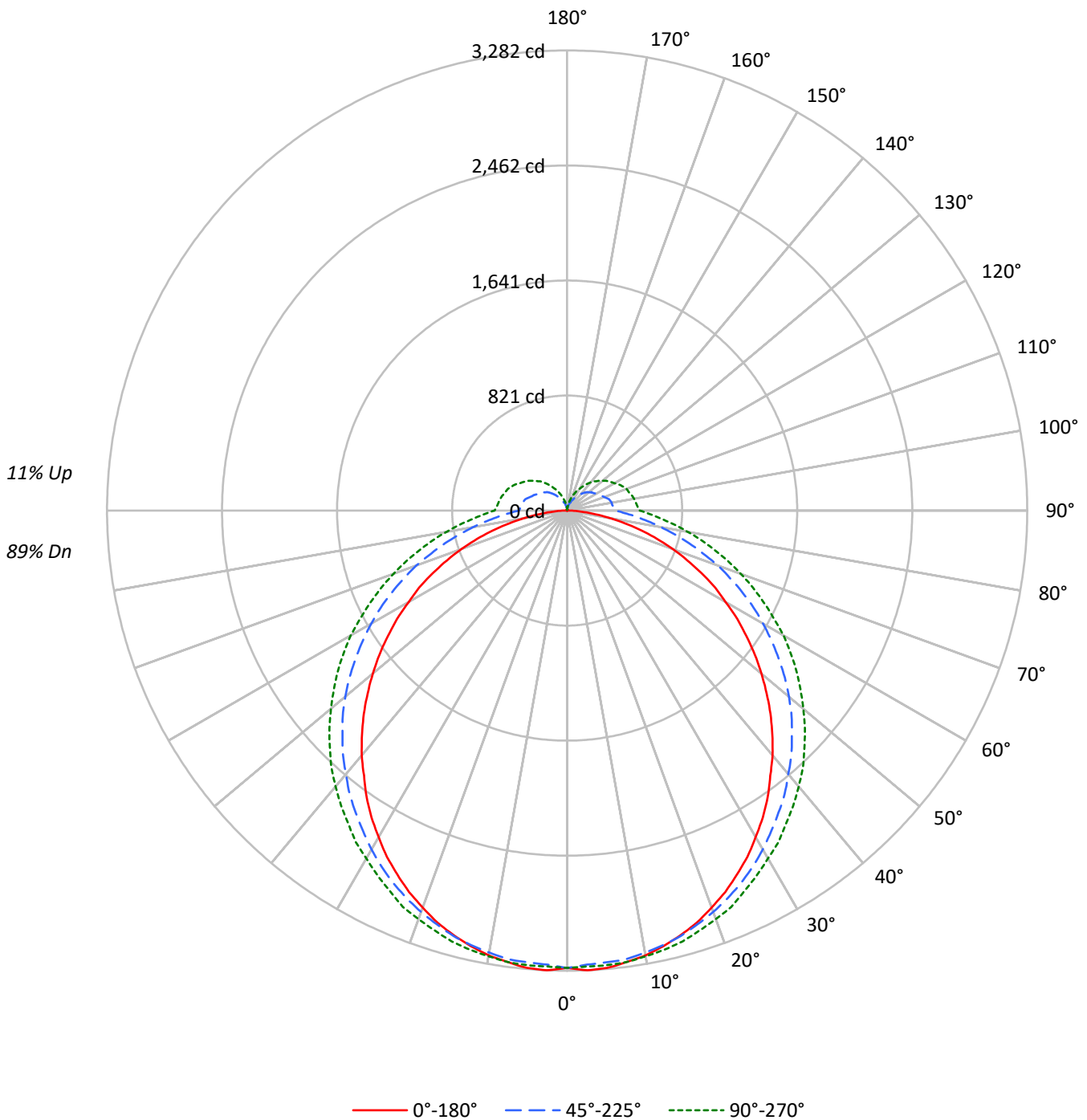
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11610.9 lumens
Efficiency: N/A
Efficacy: 130.8 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: 0.08')
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	77	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°	17554	17554	17554
5°	17677	17113	17088
10°	17572	16777	16665
15°	17413	16432	16276
20°	17190	16035	15842
25°	16930	15645	15389
30°	16617	15217	14940
35°	16274	14772	14519
40°	15878	14333	14116
45°	15451	13887	13680
50°	14961	13415	13192
55°	14426	12847	12713
60°	13795	12240	12179
65°	13153	11556	11505
70°	12244	10803	10847
75°	11039	9844	10117
80°	9054	8871	9398
85°	6680	8047	8661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.8	2.7
10°-20°	890.4	7.7
20°-30°	1353.9	11.7
30°-40°	1643.5	14.2
40°-50°	1736.7	15.0
50°-60°	1625.2	14.0
60°-70°	1333.5	11.5
70°-80°	917.2	7.9
80°-90°	502.3	4.3
90°-100°	323.4	2.8
100°-110°	290.2	2.5
110°-120°	240.2	2.1
120°-130°	185.0	1.6
130°-140°	130.0	1.1
140°-150°	78.3	0.7
150°-160°	37.5	0.3
160°-170°	12.3	0.1
170°-180°	1.5	0.0
0°-30°	2554.2	22.0
0°-40°	4197.7	36.2
0°-60°	7559.6	65.1
0°-90°	10312.5	88.8
90°-120°	853.9	7.4
90°-150°	1247.2	10.7
90°-180°	1298.0	11.2
0°-180°	11610.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3262	3262	3262	3262	3262	
5°	3275	3268	3235	3262	3255	311
15°	3134	3147	3140	3181	3181	884
25°	2865	2898	2932	2993	2993	1320
35°	2495	2555	2629	2703	2724	1558
45°	2051	2145	2266	2367	2394	1581
55°	1560	1688	1843	1957	1997	1396
65°	1056	1197	1379	1506	1547	1046
75°	551	699	901	1042	1089	581
85°	121	289	491	625	672	140
90°	0	161	343	471	518	8
95°	0	155	330	451	498	0
105°	0	128	309	424	464	4
115°	7	114	262	377	424	7
125°	7	94	222	323	363	6
135°	7	74	182	262	296	5
145°	7	54	128	202	222	4
155°	7	34	81	128	148	3
165°	7	20	40	60	74	2
175°	7	7	13	13	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3261.6	3261.6	3261.6	3261.6	3261.6
2.5°	3281.7	3275.0	3241.4	3268.3	3254.8
5°	3275.0	3268.3	3234.7	3261.6	3254.8
7.5°	3248.1	3248.1	3227.9	3254.8	3248.1
10°	3221.2	3221.2	3201.0	3234.7	3227.9
12.5°	3180.9	3187.6	3174.1	3214.5	3207.8
15°	3133.8	3147.2	3140.5	3180.9	3180.9
17.5°	3080.0	3093.4	3093.4	3140.5	3140.5
20°	3012.7	3032.9	3046.4	3100.2	3100.2
22.5°	2945.5	2972.4	2992.6	3039.6	3059.8
25°	2864.8	2898.4	2932.0	2992.6	2992.6
27.5°	2784.1	2824.4	2864.8	2925.3	2932.0
30°	2689.9	2737.0	2790.8	2851.3	2864.8
32.5°	2595.8	2656.3	2710.1	2784.1	2804.3
35°	2494.9	2555.4	2629.4	2703.4	2723.6
37.5°	2380.6	2454.6	2548.7	2629.4	2649.6
40°	2279.7	2360.4	2454.6	2548.7	2568.9
42.5°	2165.4	2252.8	2367.2	2454.6	2488.2
45°	2051.1	2145.2	2266.3	2367.2	2394.1
47.5°	1930.0	2037.6	2172.1	2266.3	2299.9
50°	1809.0	1923.3	2064.5	2172.1	2199.0
52.5°	1687.9	1809.0	1956.9	2064.5	2098.2
55°	1560.2	1687.9	1842.6	1956.9	1997.3
57.5°	1439.1	1566.9	1728.3	1849.3	1889.7
60°	1304.6	1452.6	1614.0	1735.0	1782.1
62.5°	1190.3	1324.8	1499.6	1620.7	1661.0
65°	1055.8	1197.0	1378.6	1506.4	1546.7
67.5°	928.0	1076.0	1257.5	1392.0	1432.4
70°	800.3	948.2	1143.2	1271.0	1318.1
72.5°	672.5	827.2	1015.5	1156.7	1203.7
75°	551.4	699.4	901.1	1042.4	1089.4
77.5°	423.7	585.1	786.8	928.0	981.8
80°	309.3	477.5	679.2	820.4	874.2
82.5°	208.5	376.6	578.3	719.6	773.4
85°	121.0	289.2	490.9	625.4	672.5
87.5°	60.5	221.9	410.2	544.7	591.8
90°	0.0	161.4	343.0	470.7	517.8
92.5°	0.0	154.7	336.2	457.3	504.4
95°	0.0	154.7	329.5	450.6	497.6
97.5°	0.0	147.9	322.8	450.6	490.9
100°	0.0	141.2	322.8	443.8	484.2
102.5°	0.0	134.5	316.1	437.1	477.5
105°	0.0	127.8	309.3	423.7	464.0
107.5°	6.7	127.8	295.9	416.9	457.3
110°	6.7	121.0	282.4	410.2	450.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.7	114.3	269.0	396.8	437.1
115°	6.7	114.3	262.3	376.6	423.7
117.5°	6.7	107.6	248.8	363.1	410.2
120°	6.7	107.6	242.1	349.7	390.0
122.5°	6.7	100.9	228.6	336.2	376.6
125°	6.7	94.1	221.9	322.8	363.1
127.5°	6.7	87.4	215.2	309.3	349.7
130°	6.7	80.7	201.7	295.9	329.5
132.5°	6.7	80.7	195.0	275.7	316.1
135°	6.7	74.0	181.6	262.3	295.9
137.5°	6.7	67.2	168.1	248.8	282.4
140°	6.7	60.5	154.7	235.4	262.3
142.5°	6.7	60.5	141.2	215.2	242.1
145°	6.7	53.8	127.8	201.7	221.9
147.5°	6.7	47.1	114.3	181.6	201.7
150°	6.7	47.1	100.9	161.4	181.6
152.5°	6.7	40.3	87.4	147.9	168.1
155°	6.7	33.6	80.7	127.8	147.9
157.5°	6.7	33.6	67.2	107.6	127.8
160°	6.7	26.9	60.5	87.4	107.6
162.5°	6.7	26.9	53.8	74.0	94.1
165°	6.7	20.2	40.3	60.5	74.0
167.5°	6.7	20.2	33.6	47.1	60.5
170°	6.7	13.4	26.9	33.6	47.1
172.5°	6.7	13.4	20.2	20.2	20.2
175°	6.7	6.7	13.4	13.4	6.7
177.5°	6.7	6.7	6.7	6.7	6.7
180°	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)