

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: P567189

Luminaire Tested: **8SNX-102SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567189
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-102SL-SLW-UNV-L850-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

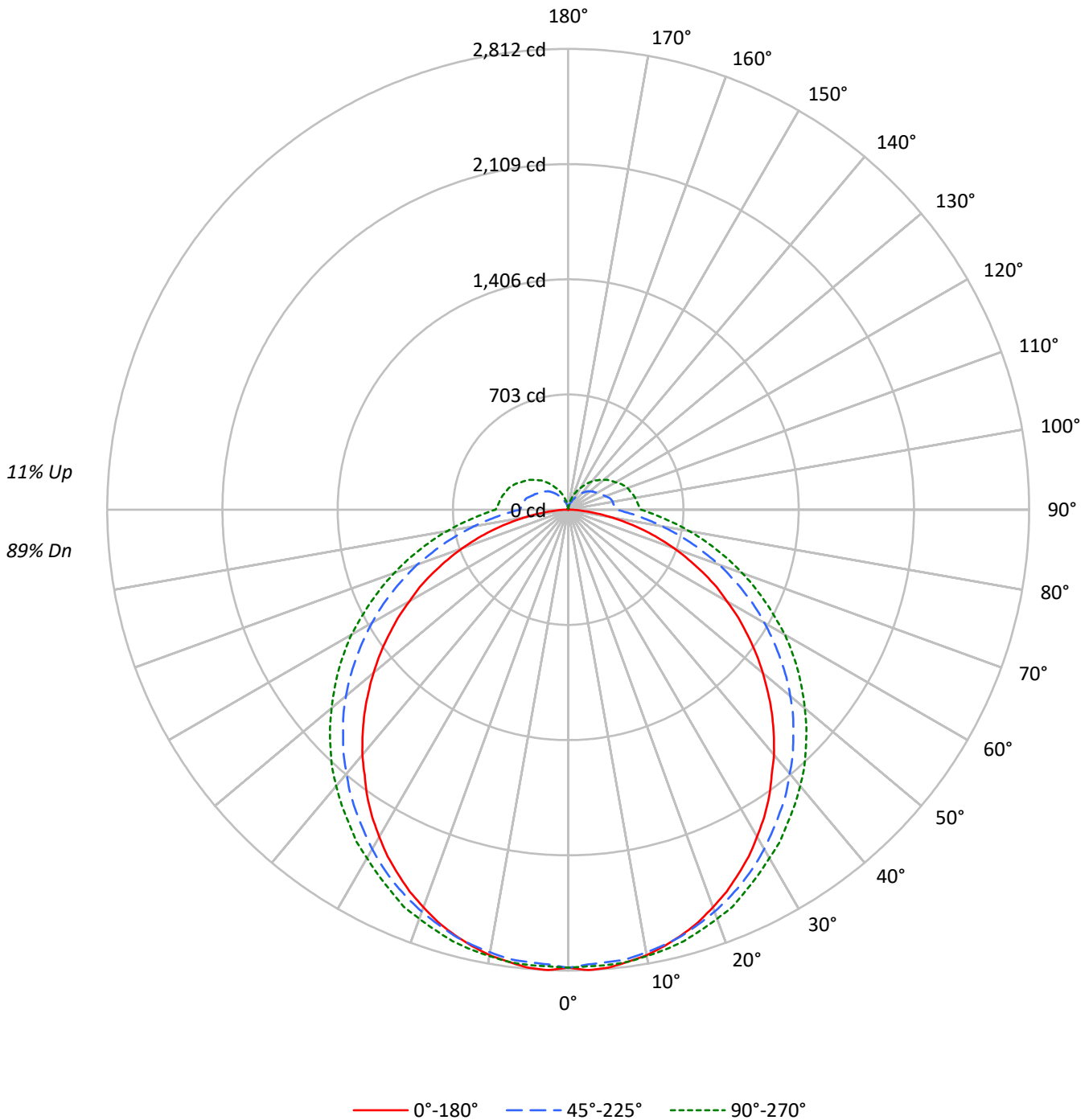
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9948.0 lumens
Efficiency: N/A
Efficacy: 142.1 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): 70
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°	15039	15039	15039
5°	15145	14662	14641
10°	15055	14375	14278
15°	14918	14079	13944
20°	14728	13738	13572
25°	14505	13404	13184
30°	14237	13037	12800
35°	13943	12656	12440
40°	13604	12280	12094
45°	13238	11898	11721
50°	12819	11494	11303
55°	12359	11007	10892
60°	11820	10487	10434
65°	11269	9901	9858
70°	10489	9256	9293
75°	9459	8435	8669
80°	7757	7600	8052
85°	5725	6894	7421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.4	2.7
10°-20°	762.9	7.7
20°-30°	1160.0	11.7
30°-40°	1408.1	14.2
40°-50°	1488.0	15.0
50°-60°	1392.4	14.0
60°-70°	1142.5	11.5
70°-80°	785.8	7.9
80°-90°	430.3	4.3
90°-100°	277.1	2.8
100°-110°	248.7	2.5
110°-120°	205.8	2.1
120°-130°	158.5	1.6
130°-140°	111.4	1.1
140°-150°	67.1	0.7
150°-160°	32.1	0.3
160°-170°	10.6	0.1
170°-180°	1.3	0.0
0°-30°	2188.3	22.0
0°-40°	3596.5	36.2
0°-60°	6476.9	65.1
0°-90°	8835.5	88.8
90°-120°	731.6	7.4
90°-150°	1068.6	10.7
90°-180°	1113.0	11.2
0°-180°	9948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2794	2794	2794	2794	2794	
5°	2806	2800	2771	2794	2789	266
15°	2685	2696	2691	2725	2725	757
25°	2454	2483	2512	2564	2564	1131
35°	2138	2189	2253	2316	2334	1335
45°	1757	1838	1942	2028	2051	1354
55°	1337	1446	1579	1677	1711	1196
65°	905	1026	1181	1291	1325	896
75°	472	599	772	893	933	497
85°	104	248	421	536	576	120
90°	0	138	294	403	444	7
95°	0	132	282	386	426	0
105°	0	110	265	363	398	4
115°	6	98	225	323	363	6
125°	6	81	190	277	311	5
135°	6	63	156	225	254	4
145°	6	46	110	173	190	4
155°	6	29	69	110	127	3
165°	6	17	35	52	63	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°	2794.4	2794.4	2794.4	2794.4	2794.4
2.5°	2811.7	2805.9	2777.1	2800.2	2788.7
5°	2805.9	2800.2	2771.4	2794.4	2788.7
7.5°	2782.9	2782.9	2765.6	2788.7	2782.9
10°	2759.8	2759.8	2742.6	2771.4	2765.6
12.5°	2725.3	2731.0	2719.5	2754.1	2748.3
15°	2684.9	2696.5	2690.7	2725.3	2725.3
17.5°	2638.9	2650.4	2650.4	2690.7	2690.7
20°	2581.2	2598.5	2610.0	2656.1	2656.1
22.5°	2523.6	2546.7	2563.9	2604.3	2621.6
25°	2454.5	2483.3	2512.1	2563.9	2563.9
27.5°	2385.3	2419.9	2454.5	2506.3	2512.1
30°	2304.7	2345.0	2391.1	2443.0	2454.5
32.5°	2224.0	2275.9	2322.0	2385.3	2402.6
35°	2137.6	2189.4	2252.8	2316.2	2333.5
37.5°	2039.6	2103.0	2183.7	2252.8	2270.1
40°	1953.2	2022.4	2103.0	2183.7	2201.0
42.5°	1855.3	1930.2	2028.1	2103.0	2131.8
45°	1757.3	1838.0	1941.7	2028.1	2051.2
47.5°	1653.6	1745.8	1861.0	1941.7	1970.5
50°	1549.9	1647.8	1768.8	1861.0	1884.1
52.5°	1446.2	1549.9	1676.6	1768.8	1797.6
55°	1336.7	1446.2	1578.7	1676.6	1711.2
57.5°	1233.0	1342.5	1480.8	1584.5	1619.0
60°	1117.8	1244.5	1382.8	1486.5	1526.8
62.5°	1019.8	1135.1	1284.9	1388.6	1423.1
65°	904.6	1025.6	1181.1	1290.6	1325.2
67.5°	795.1	921.9	1077.4	1192.7	1227.2
70°	685.6	812.4	979.5	1089.0	1129.3
72.5°	576.2	708.7	870.0	991.0	1031.3
75°	472.5	599.2	772.1	893.1	933.4
77.5°	363.0	501.3	674.1	795.1	841.2
80°	265.0	409.1	581.9	702.9	749.0
82.5°	178.6	322.7	495.5	616.5	662.6
85°	103.7	247.8	420.6	535.8	576.2
87.5°	51.9	190.1	351.5	466.7	507.0
90°	0.0	138.3	293.8	403.3	443.6
92.5°	0.0	132.5	288.1	391.8	432.1
95°	0.0	132.5	282.3	386.0	426.4
97.5°	0.0	126.8	276.6	386.0	420.6
100°	0.0	121.0	276.6	380.3	414.8
102.5°	0.0	115.2	270.8	374.5	409.1
105°	0.0	109.5	265.0	363.0	397.6
107.5°	5.8	109.5	253.5	357.2	391.8
110°	5.8	103.7	242.0	351.5	386.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	97.9	230.5	339.9	374.5
115°	5.8	97.9	224.7	322.7	363.0
117.5°	5.8	92.2	213.2	311.1	351.5
120°	5.8	92.2	207.4	299.6	334.2
122.5°	5.8	86.4	195.9	288.1	322.7
125°	5.8	80.7	190.1	276.6	311.1
127.5°	5.8	74.9	184.4	265.0	299.6
130°	5.8	69.1	172.9	253.5	282.3
132.5°	5.8	69.1	167.1	236.2	270.8
135°	5.8	63.4	155.6	224.7	253.5
137.5°	5.8	57.6	144.0	213.2	242.0
140°	5.8	51.9	132.5	201.7	224.7
142.5°	5.8	51.9	121.0	184.4	207.4
145°	5.8	46.1	109.5	172.9	190.1
147.5°	5.8	40.3	97.9	155.6	172.9
150°	5.8	40.3	86.4	138.3	155.6
152.5°	5.8	34.6	74.9	126.8	144.0
155°	5.8	28.8	69.1	109.5	126.8
157.5°	5.8	28.8	57.6	92.2	109.5
160°	5.8	23.0	51.9	74.9	92.2
162.5°	5.8	23.0	46.1	63.4	80.7
165°	5.8	17.3	34.6	51.9	63.4
167.5°	5.8	17.3	28.8	40.3	51.9
170°	5.8	11.5	23.0	28.8	40.3
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)