

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: P567289

Luminaire Tested: **8SNX-120SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567289  
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-120SL-SLW-UNV-L950-CD  
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

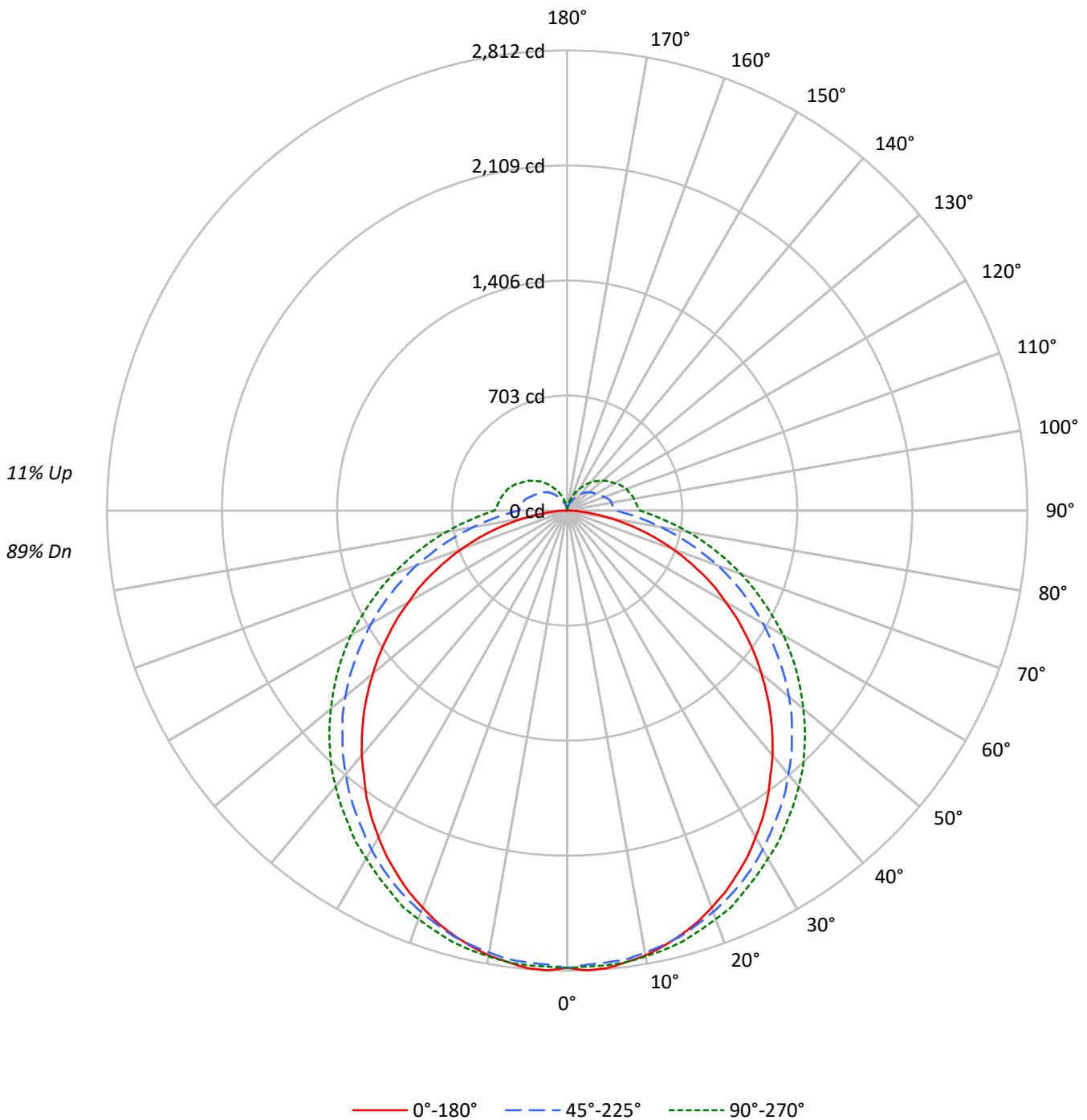
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9949.0 lumens  
Efficiency: N/A  
Efficacy: 118.4 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): 84  
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°	15041	15041	15041
5°	15147	14663	14642
10°	15056	14376	14280
15°	14920	14080	13946
20°	14730	13739	13574
25°	14507	13406	13186
30°	14239	13038	12801
35°	13944	12657	12441
40°	13605	12281	12095
45°	13239	11899	11722
50°	12819	11495	11304
55°	12360	11009	10893
60°	11821	10488	10436
65°	11270	9902	9858
70°	10491	9257	9294
75°	9459	8435	8670
80°	7760	7601	8054
85°	5725	6894	7421



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.4	2.7
10°-20°	763.0	7.7
20°-30°	1160.1	11.7
30°-40°	1408.3	14.2
40°-50°	1488.2	15.0
50°-60°	1392.5	14.0
60°-70°	1142.6	11.5
70°-80°	785.9	7.9
80°-90°	430.4	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°	2188.6	22.0
0°-40°	3596.8	36.2
0°-60°	6477.5	65.1
0°-90°	8836.4	88.8
90°-120°	731.7	7.4
90°-150°	1068.7	10.7
90°-180°	1113.0	11.2
0°-180°	9949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2795	2795	2795	2795	2795	
5°	2806	2800	2772	2795	2789	266
15°	2685	2697	2691	2726	2726	757
25°	2455	2484	2512	2564	2564	1131
35°	2138	2190	2253	2316	2334	1335
45°	1758	1838	1942	2028	2051	1355
55°	1337	1446	1579	1677	1711	1196
65°	905	1026	1181	1291	1325	896
75°	472	599	772	893	934	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°	2794.7	2794.7	2794.7	2794.7	2794.7
2.5°	2812.0	2806.2	2777.4	2800.5	2788.9
5°	2806.2	2800.5	2771.6	2794.7	2788.9
7.5°	2783.2	2783.2	2765.9	2788.9	2783.2
10°	2760.1	2760.1	2742.8	2771.6	2765.9
12.5°	2725.6	2731.3	2719.8	2754.4	2748.6
15°	2685.2	2696.7	2691.0	2725.6	2725.6
17.5°	2639.1	2650.6	2650.6	2691.0	2691.0
20°	2581.5	2598.8	2610.3	2656.4	2656.4
22.5°	2523.9	2546.9	2564.2	2604.5	2621.8
25°	2454.7	2483.5	2512.3	2564.2	2564.2
27.5°	2385.6	2420.2	2454.7	2506.6	2512.3
30°	2304.9	2345.2	2391.3	2443.2	2454.7
32.5°	2224.2	2276.1	2322.2	2385.6	2402.9
35°	2137.8	2189.7	2253.0	2316.4	2333.7
37.5°	2039.8	2103.2	2183.9	2253.0	2270.3
40°	1953.4	2022.6	2103.2	2183.9	2201.2
42.5°	1855.4	1930.4	2028.3	2103.2	2132.0
45°	1757.5	1838.2	1941.9	2028.3	2051.4
47.5°	1653.8	1746.0	1861.2	1941.9	1970.7
50°	1550.0	1648.0	1769.0	1861.2	1884.3
52.5°	1446.3	1550.0	1676.8	1769.0	1797.8
55°	1336.8	1446.3	1578.9	1676.8	1711.4
57.5°	1233.1	1342.6	1480.9	1584.6	1619.2
60°	1117.9	1244.6	1382.9	1486.7	1527.0
62.5°	1019.9	1135.2	1285.0	1388.7	1423.3
65°	904.7	1025.7	1181.3	1290.7	1325.3
67.5°	795.2	922.0	1077.5	1192.8	1227.4
70°	685.7	812.5	979.6	1089.1	1129.4
72.5°	576.2	708.8	870.1	991.1	1031.4
75°	472.5	599.3	772.1	893.2	933.5
77.5°	363.0	501.3	674.2	795.2	841.3
80°	265.1	409.1	582.0	703.0	749.1
82.5°	178.6	322.7	495.6	616.6	662.7
85°	103.7	247.8	420.6	535.9	576.2
87.5°	51.9	190.2	351.5	466.7	507.1
90°	0.0	138.3	293.9	403.4	443.7
92.5°	0.0	132.5	288.1	391.8	432.2
95°	0.0	132.5	282.4	386.1	426.4
97.5°	0.0	126.8	276.6	386.1	420.6
100°	0.0	121.0	276.6	380.3	414.9
102.5°	0.0	115.2	270.8	374.5	409.1
105°	0.0	109.5	265.1	363.0	397.6
107.5°	5.8	109.5	253.5	357.3	391.8
110°	5.8	103.7	242.0	351.5	386.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.8	98.0	230.5	340.0	374.5
115°	5.8	98.0	224.7	322.7	363.0
117.5°	5.8	92.2	213.2	311.2	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	190.2	276.6	311.2
127.5°	5.8	74.9	184.4	265.1	299.6
130°	5.8	69.1	172.9	253.5	282.4
132.5°	5.8	69.1	167.1	236.3	270.8
135°	5.8	63.4	155.6	224.7	253.5
137.5°	5.8	57.6	144.1	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	190.2
147.5°	5.8	40.3	98.0	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	144.1
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)