

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: P567198

Luminaire Tested: **8SNX-102SL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-102SL-UNV-L930-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

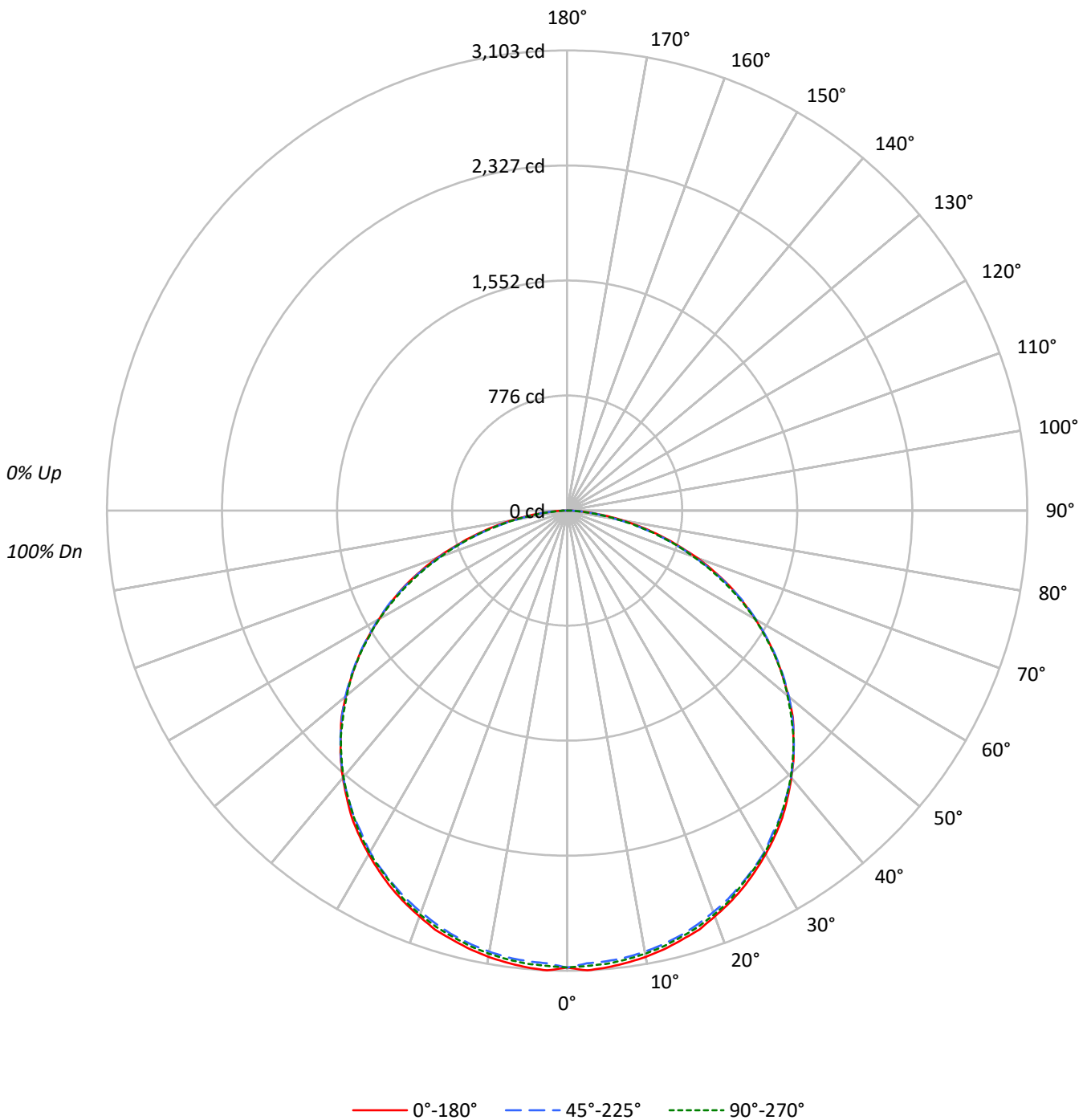
Lumens per Lamp: N/A  
Luminaire Lumens: 9213.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16583	16583	16583
5°	16707	16482	16572
10°	16703	16506	16582
15°	16690	16520	16582
20°	16680	16505	16600
25°	16669	16504	16537
30°	16634	16531	16566
35°	16622	16494	16512
40°	16528	16509	16489
45°	16430	16450	16430
50°	16310	16356	16241
55°	16094	16147	16068
60°	15778	15838	15749
65°	15456	15351	15138
70°	14694	14389	14214
75°	13425	12965	13021
80°	11595	10736	10993
85°	8725	8386	7527



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.3	3.2
10°-20°	842.3	9.1
20°-30°	1288.7	14.0
30°-40°	1575.7	17.1
40°-50°	1666.8	18.1
50°-60°	1535.8	16.7
60°-70°	1183.5	12.8
70°-80°	663.1	7.2
80°-90°	164.8	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2423.3	26.3
0°-40°	3999.0	43.4
0°-60°	7201.7	78.2
0°-90°	9213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9213.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3081	3081	3081	3081	3081	
5°	3092	3081	3051	3081	3067	294
15°	2995	2990	2965	2990	2976	846
25°	2807	2801	2779	2801	2785	1294
35°	2530	2524	2510	2519	2513	1581
45°	2159	2167	2161	2159	2159	1667
55°	1715	1729	1721	1721	1712	1532
65°	1214	1214	1205	1175	1189	1194
75°	646	637	624	601	626	685
85°	141	133	136	136	122	174
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3081.3	3081.3	3081.3	3081.3	3081.3
2.5°	3103.4	3089.6	3056.3	3086.8	3073.0
5°	3092.4	3081.3	3050.8	3081.3	3067.4
7.5°	3075.7	3067.4	3039.7	3067.4	3053.6
10°	3056.3	3048.0	3020.3	3048.0	3034.2
12.5°	3028.6	3023.1	2995.4	3023.1	3009.2
15°	2995.4	2989.8	2964.9	2989.8	2976.0
17.5°	2962.1	2951.0	2926.1	2953.8	2942.7
20°	2912.3	2906.7	2881.8	2906.7	2898.4
22.5°	2862.4	2856.8	2834.7	2856.8	2851.3
25°	2807.0	2801.4	2779.2	2801.4	2784.8
27.5°	2743.2	2746.0	2721.1	2734.9	2726.6
30°	2676.7	2676.7	2660.1	2665.6	2665.6
32.5°	2604.7	2604.7	2579.7	2596.4	2593.6
35°	2529.9	2524.3	2510.5	2518.8	2513.2
37.5°	2441.2	2438.4	2430.1	2435.7	2430.1
40°	2352.5	2355.3	2349.8	2347.0	2347.0
42.5°	2261.1	2266.6	2258.3	2255.5	2252.8
45°	2158.6	2166.9	2161.3	2158.6	2158.6
47.5°	2064.3	2067.1	2058.8	2056.0	2047.7
50°	1948.0	1959.1	1953.5	1948.0	1939.7
52.5°	1831.6	1848.2	1837.1	1831.6	1831.6
55°	1715.2	1729.1	1720.8	1720.8	1712.4
57.5°	1593.3	1607.1	1596.1	1596.1	1585.0
60°	1465.8	1479.7	1471.4	1463.1	1463.1
62.5°	1338.4	1349.4	1346.7	1332.8	1324.5
65°	1213.7	1213.7	1205.4	1174.9	1188.7
67.5°	1072.4	1069.6	1058.5	1028.0	1047.4
70°	933.8	933.8	914.4	878.4	903.3
72.5°	784.2	792.5	767.5	742.6	767.5
75°	645.6	637.3	623.5	601.3	626.2
77.5°	512.6	498.8	482.1	471.1	484.9
80°	374.1	365.8	346.4	346.4	354.7
82.5°	254.9	246.6	232.8	235.5	224.4
85°	141.3	133.0	135.8	135.8	121.9
87.5°	58.2	58.2	58.2	52.6	47.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)