

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: P568063

Luminaire Tested: **8SNX-82SL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568063  
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-82SL-UNV-L935-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

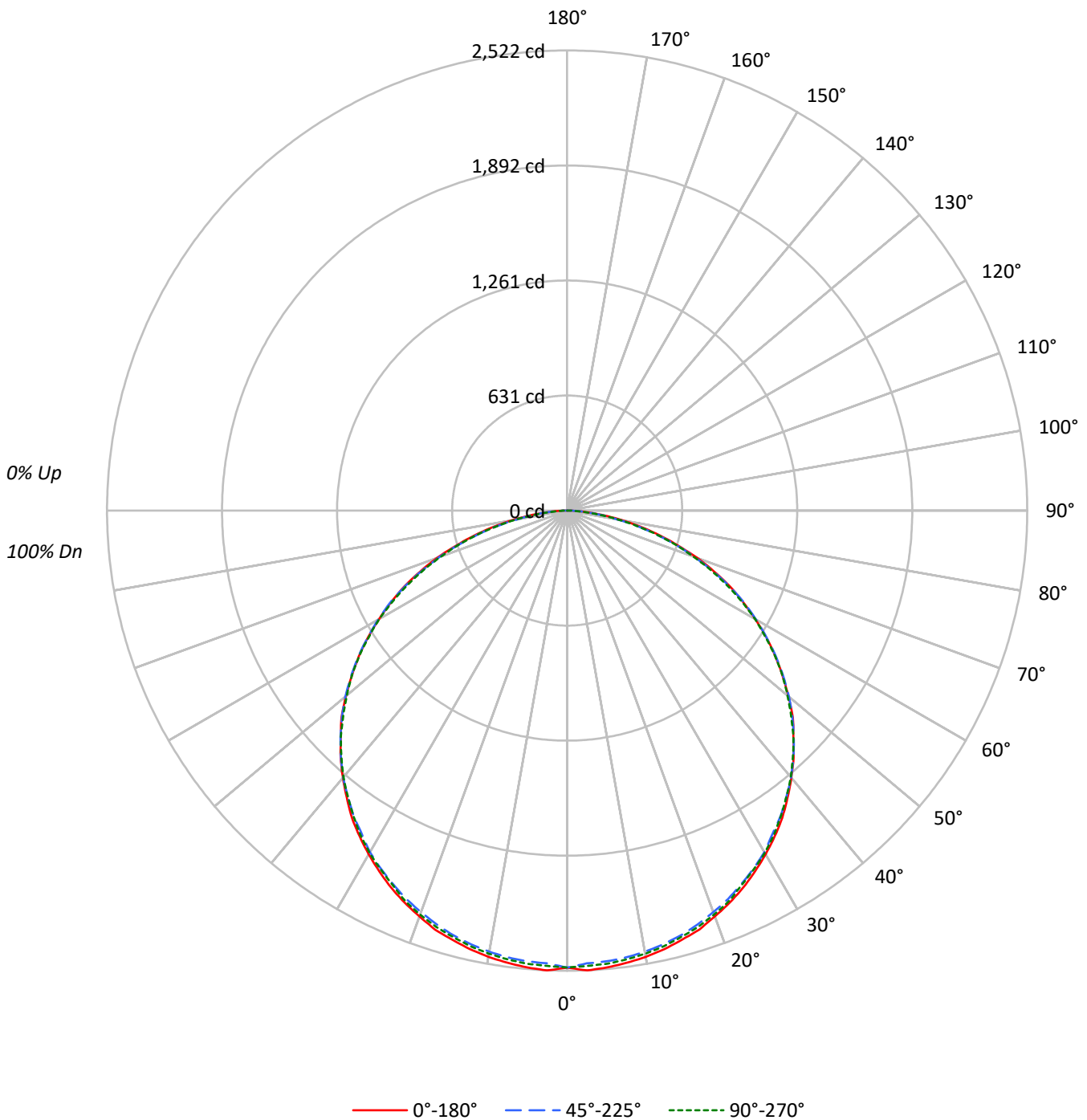
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7488.0 lumens  
Efficiency: N/A  
Efficacy: 142.4 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): 52.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	13479	13479	13479
5°	13579	13396	13469
10°	13576	13415	13477
15°	13565	13427	13477
20°	13557	13415	13492
25°	13548	13414	13441
30°	13520	13436	13464
35°	13510	13406	13421
40°	13433	13418	13401
45°	13353	13371	13353
50°	13256	13294	13200
55°	13081	13123	13059
60°	12824	12873	12799
65°	12562	12476	12304
70°	11943	11695	11553
75°	10911	10536	10584
80°	9422	8725	8935
85°	7095	6817	6120



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	237.6	3.2
10°-20°	684.6	9.1
20°-30°	1047.4	14.0
30°-40°	1280.7	17.1
40°-50°	1354.7	18.1
50°-60°	1248.2	16.7
60°-70°	961.9	12.8
70°-80°	538.9	7.2
80°-90°	134.0	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°	1969.6	26.3
0°-40°	3250.3	43.4
0°-60°	5853.3	78.2
0°-90°	7488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7488.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2504	2504	2504	2504	2504	
5°	2513	2504	2480	2504	2493	239
15°	2434	2430	2410	2430	2419	688
25°	2281	2277	2259	2277	2263	1051
35°	2056	2052	2040	2047	2043	1285
45°	1754	1761	1757	1754	1754	1355
55°	1394	1405	1399	1399	1392	1245
65°	986	986	980	955	966	970
75°	525	518	507	489	509	556
85°	115	108	110	110	99	142
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2504.4	2504.4	2504.4	2504.4	2504.4
2.5°	2522.4	2511.1	2484.1	2508.9	2497.6
5°	2513.4	2504.4	2479.6	2504.4	2493.1
7.5°	2499.9	2493.1	2470.6	2493.1	2481.8
10°	2484.1	2477.3	2454.8	2477.3	2466.1
12.5°	2461.6	2457.1	2434.5	2457.1	2445.8
15°	2434.5	2430.0	2409.8	2430.0	2418.8
17.5°	2407.5	2398.5	2378.2	2400.8	2391.7
20°	2367.0	2362.5	2342.2	2362.5	2355.7
22.5°	2326.4	2321.9	2303.9	2321.9	2317.4
25°	2281.4	2276.9	2258.9	2276.9	2263.4
27.5°	2229.6	2231.8	2211.6	2222.8	2216.1
30°	2175.5	2175.5	2162.0	2166.5	2166.5
32.5°	2117.0	2117.0	2096.7	2110.2	2108.0
35°	2056.2	2051.7	2040.4	2047.2	2042.7
37.5°	1984.1	1981.9	1975.1	1979.6	1975.1
40°	1912.0	1914.3	1909.8	1907.5	1907.5
42.5°	1837.7	1842.2	1835.5	1833.2	1831.0
45°	1754.4	1761.2	1756.7	1754.4	1754.4
47.5°	1677.8	1680.1	1673.3	1671.1	1664.3
50°	1583.2	1592.2	1587.7	1583.2	1576.5
52.5°	1488.7	1502.2	1493.2	1488.7	1488.7
55°	1394.1	1405.3	1398.6	1398.6	1391.8
57.5°	1295.0	1306.2	1297.2	1297.2	1288.2
60°	1191.4	1202.6	1195.9	1189.1	1189.1
62.5°	1087.8	1096.8	1094.5	1083.3	1076.5
65°	986.4	986.4	979.7	954.9	966.2
67.5°	871.6	869.3	860.3	835.5	851.3
70°	759.0	759.0	743.2	713.9	734.2
72.5°	637.3	644.1	623.8	603.6	623.8
75°	524.7	518.0	506.7	488.7	509.0
77.5°	416.6	405.4	391.9	382.9	394.1
80°	304.0	297.3	281.5	281.5	288.3
82.5°	207.2	200.4	189.2	191.4	182.4
85°	114.9	108.1	110.4	110.4	99.1
87.5°	47.3	47.3	47.3	42.8	38.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)