

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: P568058

Luminaire Tested: **8SNX-82SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568058  
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-L830-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

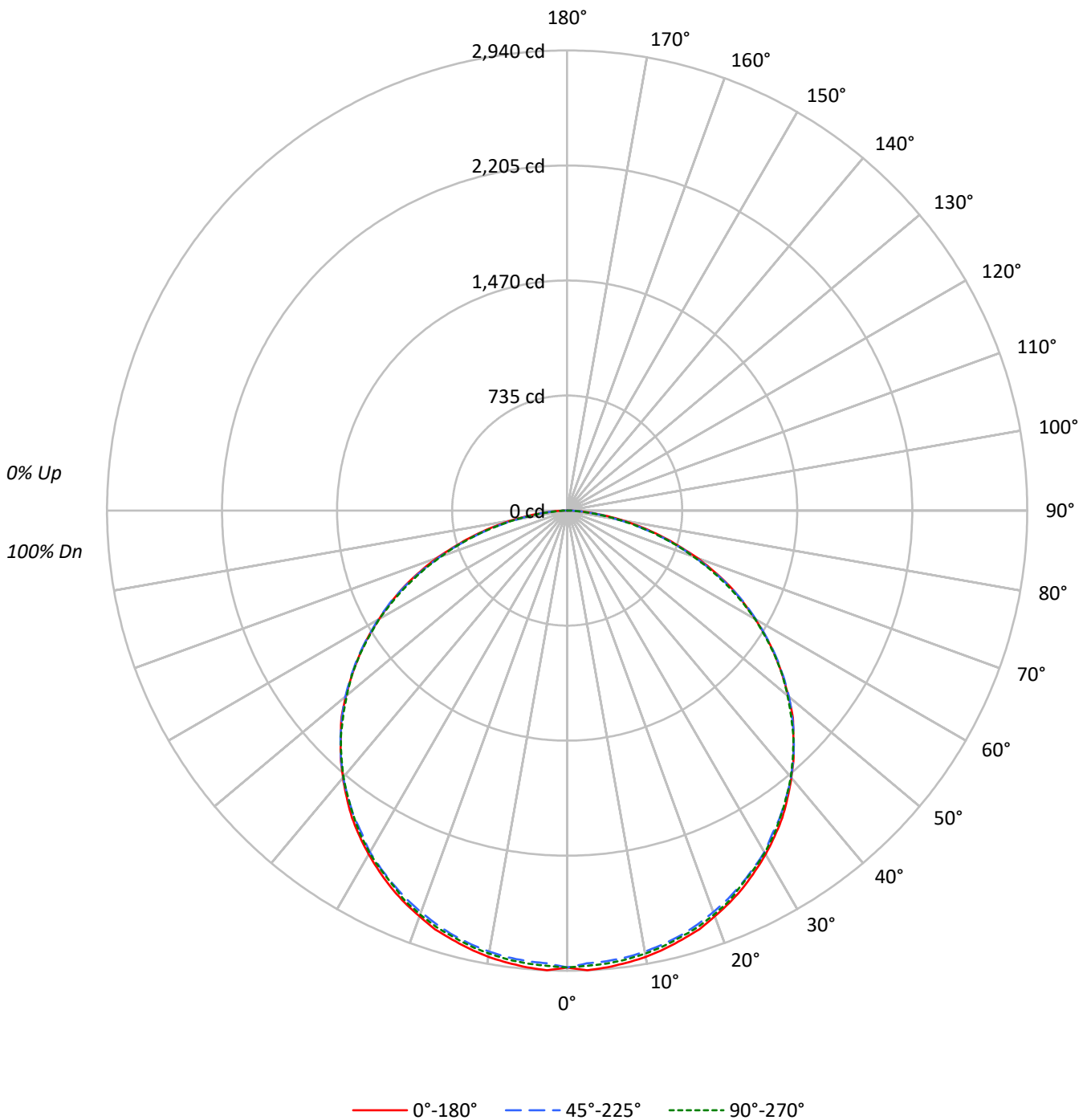
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8728.0 lumens  
Efficiency: N/A  
Efficacy: 165.9 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 (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	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					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	15710	15710	15710
5°	15827	15614	15699
10°	15823	15637	15709
15°	15811	15650	15709
20°	15801	15636	15726
25°	15791	15635	15667
30°	15759	15661	15694
35°	15747	15626	15643
40°	15658	15640	15621
45°	15564	15585	15564
50°	15451	15496	15385
55°	15247	15296	15222
60°	14948	15004	14919
65°	14642	14542	14342
70°	13920	13632	13467
75°	12718	12281	12337
80°	10984	10169	10414
85°	8268	7941	7132



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.9	3.2
10°-20°	797.9	9.1
20°-30°	1220.9	14.0
30°-40°	1492.8	17.1
40°-50°	1579.1	18.1
50°-60°	1454.9	16.7
60°-70°	1121.1	12.8
70°-80°	628.2	7.2
80°-90°	156.1	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°	2295.7	26.3
0°-40°	3788.5	43.4
0°-60°	6822.5	78.2
0°-90°	8728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8728.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2919	2919	2919	2919	2919	
5°	2930	2919	2890	2919	2906	278
15°	2838	2832	2809	2832	2819	802
25°	2659	2654	2633	2654	2638	1226
35°	2397	2391	2378	2386	2381	1498
45°	2045	2053	2048	2045	2045	1580
55°	1625	1638	1630	1630	1622	1451
65°	1150	1150	1142	1113	1126	1131
75°	612	604	591	570	593	648
85°	134	126	129	129	116	165
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2919.1	2919.1	2919.1	2919.1	2919.1
2.5°	2940.1	2926.9	2895.4	2924.3	2911.2
5°	2929.6	2919.1	2890.2	2919.1	2905.9
7.5°	2913.8	2905.9	2879.7	2905.9	2892.8
10°	2895.4	2887.6	2861.3	2887.6	2874.4
12.5°	2869.2	2863.9	2837.7	2863.9	2850.8
15°	2837.7	2832.4	2808.8	2832.4	2819.3
17.5°	2806.2	2795.7	2772.1	2798.3	2787.8
20°	2758.9	2753.7	2730.1	2753.7	2745.8
22.5°	2711.7	2706.4	2685.4	2706.4	2701.2
25°	2659.2	2653.9	2632.9	2653.9	2638.2
27.5°	2598.8	2601.4	2577.8	2590.9	2583.1
30°	2535.8	2535.8	2520.1	2525.3	2525.3
32.5°	2467.6	2467.6	2443.9	2459.7	2457.1
35°	2396.7	2391.4	2378.3	2386.2	2380.9
37.5°	2312.7	2310.1	2302.2	2307.4	2302.2
40°	2228.7	2231.3	2226.1	2223.4	2223.4
42.5°	2142.1	2147.3	2139.4	2136.8	2134.2
45°	2044.9	2052.8	2047.6	2044.9	2044.9
47.5°	1955.7	1958.3	1950.4	1947.8	1939.9
50°	1845.4	1855.9	1850.7	1845.4	1837.5
52.5°	1735.2	1750.9	1740.4	1735.2	1735.2
55°	1624.9	1638.0	1630.2	1630.2	1622.3
57.5°	1509.4	1522.5	1512.0	1512.0	1501.5
60°	1388.7	1401.8	1393.9	1386.0	1386.0
62.5°	1267.9	1278.4	1275.8	1262.7	1254.8
65°	1149.8	1149.8	1141.9	1113.0	1126.2
67.5°	1015.9	1013.3	1002.8	973.9	992.3
70°	884.6	884.6	866.3	832.1	855.8
72.5°	742.9	750.8	727.1	703.5	727.1
75°	611.6	603.8	590.6	569.6	593.3
77.5°	485.6	472.5	456.8	446.3	459.4
80°	354.4	346.5	328.1	328.1	336.0
82.5°	241.5	233.6	220.5	223.1	212.6
85°	133.9	126.0	128.6	128.6	115.5
87.5°	55.1	55.1	55.1	49.9	44.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)