

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: P568060

Luminaire Tested: **8SNX-82SL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568060  
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-L840-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

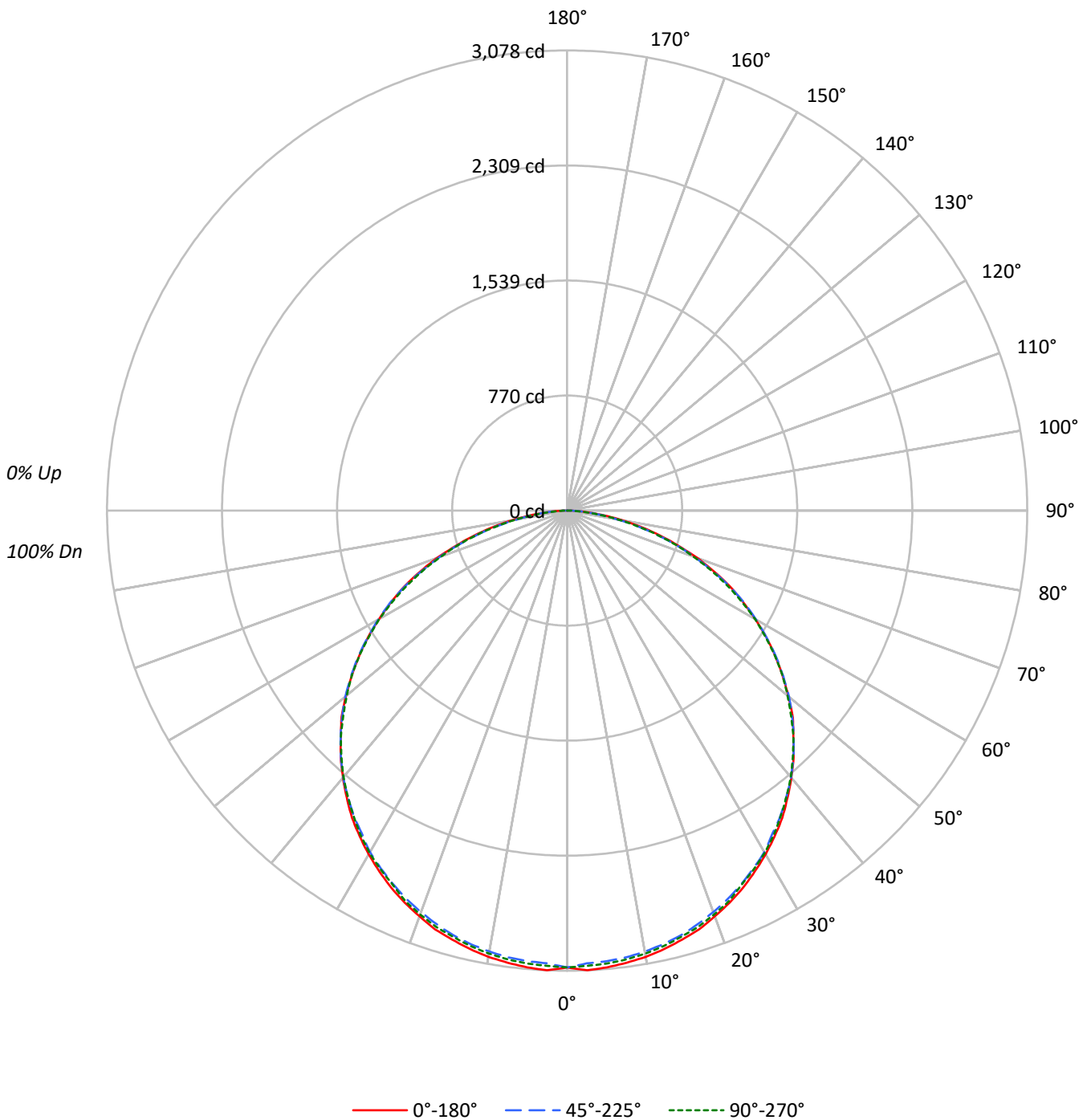
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9137.0 lumens  
Efficiency: N/A  
Efficacy: 173.7 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	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°	16447	16447	16447
5°	16569	16346	16435
10°	16565	16370	16445
15°	16552	16383	16445
20°	16542	16369	16463
25°	16531	16368	16400
30°	16497	16395	16429
35°	16485	16358	16376
40°	16392	16373	16353
45°	16294	16315	16294
50°	16175	16222	16107
55°	15962	16013	15935
60°	15648	15707	15618
65°	15329	15223	15013
70°	14573	14271	14098
75°	13315	12857	12915
80°	11499	10646	10903
85°	8657	8318	7466



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.9	3.2
10°-20°	835.3	9.1
20°-30°	1278.1	14.0
30°-40°	1562.7	17.1
40°-50°	1653.1	18.1
50°-60°	1523.1	16.7
60°-70°	1173.7	12.8
70°-80°	657.6	7.2
80°-90°	163.4	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°	2403.3	26.3
0°-40°	3966.1	43.4
0°-60°	7142.3	78.2
0°-90°	9137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9137.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3056	3056	3056	3056	3056	
5°	3067	3056	3026	3056	3042	292
15°	2971	2965	2940	2965	2951	839
25°	2784	2778	2756	2778	2762	1283
35°	2509	2504	2490	2498	2492	1568
45°	2141	2149	2144	2141	2141	1654
55°	1701	1715	1707	1707	1698	1519
65°	1204	1204	1195	1165	1179	1184
75°	640	632	618	596	621	679
85°	140	132	135	135	121	173
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3055.9	3055.9	3055.9	3055.9	3055.9
2.5°	3077.8	3064.1	3031.1	3061.4	3047.6
5°	3066.9	3055.9	3025.6	3055.9	3042.1
7.5°	3050.4	3042.1	3014.6	3042.1	3028.4
10°	3031.1	3022.9	2995.4	3022.9	3009.1
12.5°	3003.6	2998.2	2970.7	2998.2	2984.4
15°	2970.7	2965.2	2940.4	2965.2	2951.4
17.5°	2937.7	2926.7	2902.0	2929.5	2918.5
20°	2888.2	2882.7	2858.0	2882.7	2874.5
22.5°	2838.8	2833.3	2811.3	2833.3	2827.8
25°	2783.8	2778.3	2756.3	2778.3	2761.8
27.5°	2720.6	2723.3	2698.6	2712.4	2704.1
30°	2654.6	2654.6	2638.2	2643.7	2643.7
32.5°	2583.2	2583.2	2558.5	2574.9	2572.2
35°	2509.0	2503.5	2489.8	2498.0	2492.5
37.5°	2421.1	2418.3	2410.1	2415.6	2410.1
40°	2333.1	2335.9	2330.4	2327.6	2327.6
42.5°	2242.4	2247.9	2239.7	2236.9	2234.2
45°	2140.8	2149.0	2143.5	2140.8	2140.8
47.5°	2047.3	2050.1	2041.8	2039.1	2030.8
50°	1931.9	1942.9	1937.4	1931.9	1923.7
52.5°	1816.5	1833.0	1822.0	1816.5	1816.5
55°	1701.1	1714.8	1706.6	1706.6	1698.3
57.5°	1580.1	1593.9	1582.9	1582.9	1571.9
60°	1453.7	1467.5	1459.2	1451.0	1451.0
62.5°	1327.3	1338.3	1335.6	1321.8	1313.6
65°	1203.7	1203.7	1195.4	1165.2	1178.9
67.5°	1063.5	1060.8	1049.8	1019.5	1038.8
70°	926.1	926.1	906.9	871.1	895.9
72.5°	777.7	786.0	761.2	736.5	761.2
75°	640.3	632.1	618.3	596.3	621.1
77.5°	508.4	494.7	478.2	467.2	480.9
80°	371.0	362.7	343.5	343.5	351.8
82.5°	252.8	244.6	230.8	233.6	222.6
85°	140.2	131.9	134.7	134.7	120.9
87.5°	57.7	57.7	57.7	52.2	46.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)