

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: P568157

Luminaire Tested: **8SNX-96SL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568157  
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-96SL-UNV-L850-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

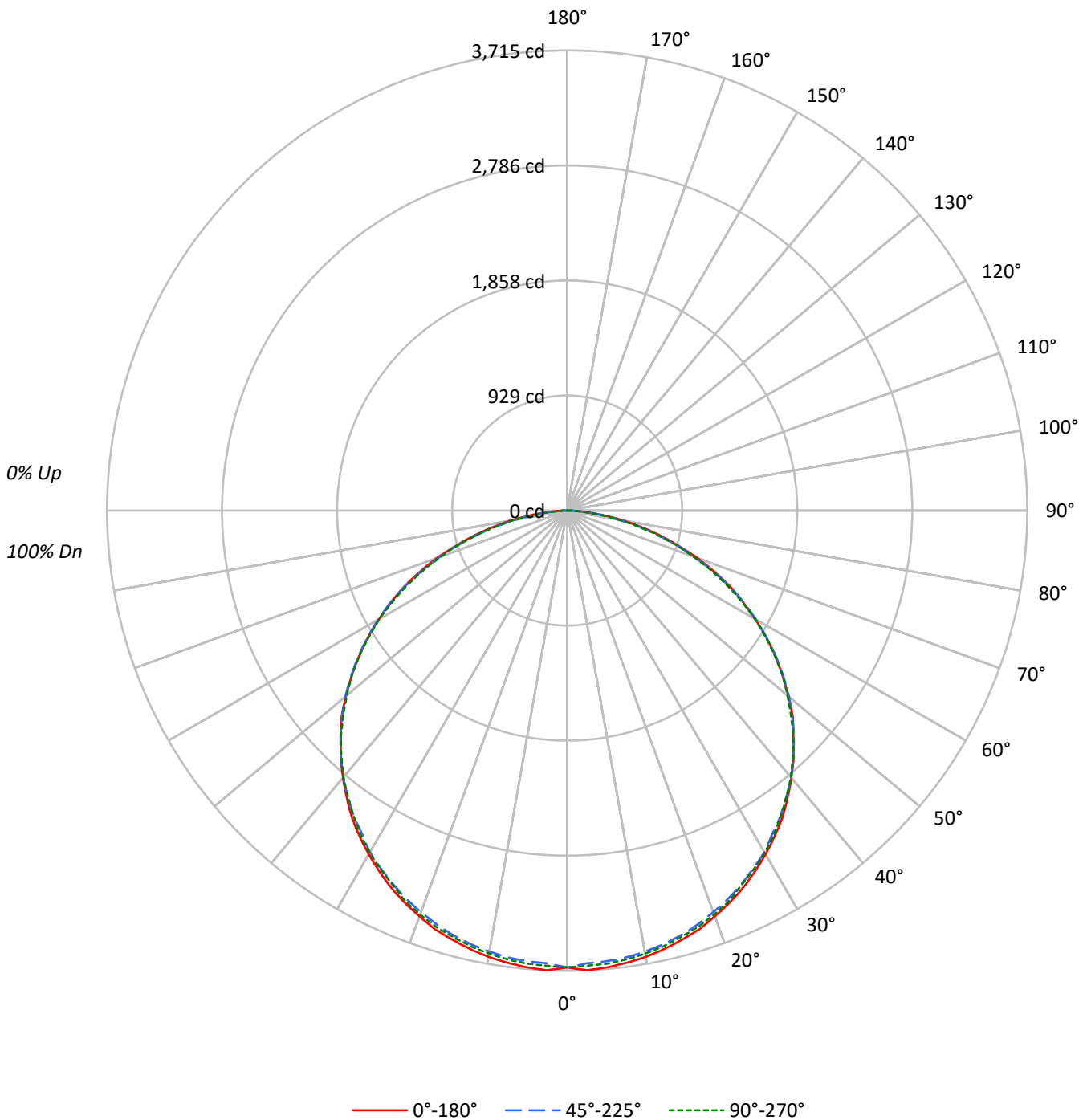
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11029.0 lumens  
Efficiency: N/A  
Efficacy: 171.8 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): 64.2  
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°	19852	19852	19852
5°	20000	19731	19839
10°	19995	19760	19850
15°	19979	19776	19850
20°	19967	19758	19872
25°	19954	19757	19797
30°	19913	19790	19831
35°	19898	19745	19767
40°	19786	19762	19739
45°	19667	19693	19667
50°	19525	19581	19442
55°	19266	19328	19235
60°	18889	18960	18852
65°	18502	18375	18122
70°	17591	17226	17017
75°	16072	15521	15589
80°	13879	12850	13160
85°	10448	10035	9016



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.9	3.2
10°-20°	1008.3	9.1
20°-30°	1542.8	14.0
30°-40°	1886.3	17.1
40°-50°	1995.4	18.1
50°-60°	1838.5	16.7
60°-70°	1416.7	12.8
70°-80°	793.8	7.2
80°-90°	197.3	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°	2901.0	26.3
0°-40°	4787.3	43.4
0°-60°	8621.2	78.2
0°-90°	11029.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11029.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3689	3689	3689	3689	3689	
5°	3702	3689	3652	3689	3672	352
15°	3586	3579	3549	3579	3563	1013
25°	3360	3354	3327	3354	3334	1549
35°	3028	3022	3005	3015	3009	1892
45°	2584	2594	2587	2584	2584	1996
55°	2053	2070	2060	2060	2050	1833
65°	1453	1453	1443	1406	1423	1429
75°	773	763	746	720	750	819
85°	169	159	162	162	146	209
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3688.6	3688.6	3688.6	3688.6	3688.6
2.5°	3715.2	3698.6	3658.8	3695.3	3678.7
5°	3701.9	3688.6	3652.2	3688.6	3672.1
7.5°	3682.0	3672.1	3638.9	3672.1	3655.5
10°	3658.8	3648.8	3615.7	3648.8	3632.2
12.5°	3625.6	3619.0	3585.8	3619.0	3602.4
15°	3585.8	3579.2	3549.3	3579.2	3562.6
17.5°	3546.0	3532.7	3502.9	3536.1	3522.8
20°	3486.3	3479.7	3449.8	3479.7	3469.7
22.5°	3426.6	3420.0	3393.4	3420.0	3413.3
25°	3360.2	3353.6	3327.1	3353.6	3333.7
27.5°	3284.0	3287.3	3257.4	3274.0	3264.0
30°	3204.3	3204.3	3184.4	3191.1	3191.1
32.5°	3118.1	3118.1	3088.2	3108.1	3104.8
35°	3028.5	3021.9	3005.3	3015.3	3008.6
37.5°	2922.4	2919.1	2909.1	2915.8	2909.1
40°	2816.2	2819.6	2812.9	2809.6	2809.6
42.5°	2706.8	2713.4	2703.5	2700.1	2696.8
45°	2584.0	2594.0	2587.4	2584.0	2584.0
47.5°	2471.3	2474.6	2464.6	2461.3	2451.4
50°	2331.9	2345.2	2338.6	2331.9	2322.0
52.5°	2192.6	2212.5	2199.3	2192.6	2192.6
55°	2053.3	2069.9	2059.9	2059.9	2050.0
57.5°	1907.3	1923.9	1910.7	1910.7	1897.4
60°	1754.8	1771.3	1761.4	1751.4	1751.4
62.5°	1602.2	1615.4	1612.1	1595.5	1585.6
65°	1452.9	1452.9	1442.9	1406.5	1423.0
67.5°	1283.7	1280.4	1267.1	1230.7	1253.9
70°	1117.9	1117.9	1094.7	1051.5	1081.4
72.5°	938.7	948.7	918.8	889.0	918.8
75°	772.9	762.9	746.4	719.8	749.7
77.5°	613.7	597.1	577.2	563.9	580.5
80°	447.8	437.9	414.6	414.6	424.6
82.5°	305.2	295.2	278.6	282.0	268.7
85°	169.2	159.2	162.5	162.5	146.0
87.5°	69.7	69.7	69.7	63.0	56.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)