

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: P568011

Luminaire Tested: **8SNX-74SL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568011  
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-74SL-UNV-L835-CD  
Description: 8FT 7400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

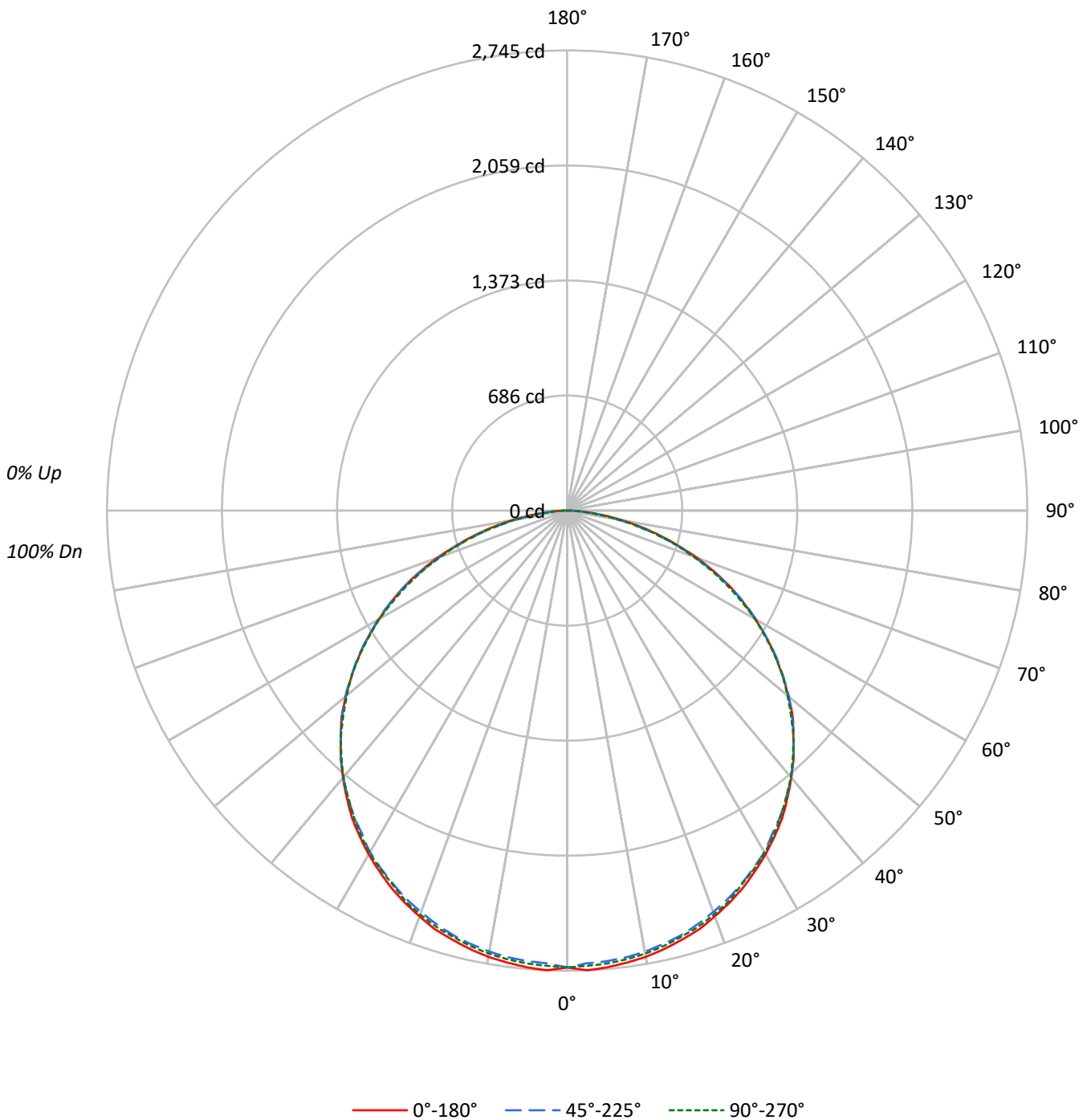
Lumens per Lamp: N/A  
Luminaire Lumens: 8148.0 lumens  
Efficiency: N/A  
Efficacy: 169.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 48  
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°	14666	14666	14666
5°	14775	14577	14656
10°	14772	14598	14665
15°	14760	14610	14665
20°	14751	14597	14682
25°	14742	14596	14626
30°	14712	14620	14651
35°	14700	14588	14603
40°	14618	14600	14583
45°	14530	14549	14530
50°	14425	14466	14363
55°	14233	14279	14211
60°	13954	14007	13927
65°	13670	13575	13388
70°	12996	12726	12571
75°	11874	11466	11516
80°	10253	9493	9723
85°	7719	7416	6657



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.5	3.2
10°-20°	744.9	9.1
20°-30°	1139.8	14.0
30°-40°	1393.6	17.1
40°-50°	1474.2	18.1
50°-60°	1358.3	16.7
60°-70°	1046.6	12.8
70°-80°	586.4	7.2
80°-90°	145.8	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°	2143.2	26.3
0°-40°	3536.8	43.4
0°-60°	6369.2	78.2
0°-90°	8148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8148.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2725	2725	2725	2725	2725	
5°	2735	2725	2698	2725	2713	260
15°	2649	2644	2622	2644	2632	748
25°	2482	2478	2458	2478	2463	1144
35°	2237	2232	2220	2228	2223	1398
45°	1909	1916	1912	1909	1909	1475
55°	1517	1529	1522	1522	1514	1355
65°	1073	1073	1066	1039	1051	1056
75°	571	564	551	532	554	605
85°	125	118	120	120	108	154
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2725.1	2725.1	2725.1	2725.1	2725.1
2.5°	2744.7	2732.4	2703.0	2730.0	2717.7
5°	2734.9	2725.1	2698.1	2725.1	2712.8
7.5°	2720.2	2712.8	2688.3	2712.8	2700.6
10°	2703.0	2695.7	2671.2	2695.7	2683.4
12.5°	2678.5	2673.6	2649.1	2673.6	2661.4
15°	2649.1	2644.2	2622.2	2644.2	2632.0
17.5°	2619.7	2609.9	2587.9	2612.4	2602.6
20°	2575.6	2570.7	2548.6	2570.7	2563.4
22.5°	2531.5	2526.6	2507.0	2526.6	2521.7
25°	2482.5	2477.6	2458.0	2477.6	2462.9
27.5°	2426.1	2428.6	2406.5	2418.8	2411.4
30°	2367.3	2367.3	2352.6	2357.5	2357.5
32.5°	2303.6	2303.6	2281.5	2296.2	2293.8
35°	2237.4	2232.5	2220.3	2227.6	2222.7
37.5°	2159.0	2156.5	2149.2	2154.1	2149.2
40°	2080.6	2083.0	2078.1	2075.7	2075.7
42.5°	1999.7	2004.6	1997.3	1994.8	1992.4
45°	1909.0	1916.4	1911.5	1909.0	1909.0
47.5°	1825.7	1828.2	1820.8	1818.4	1811.0
50°	1722.8	1732.6	1727.7	1722.8	1715.4
52.5°	1619.9	1634.6	1624.8	1619.9	1619.9
55°	1516.9	1529.2	1521.8	1521.8	1514.5
57.5°	1409.1	1421.4	1411.6	1411.6	1401.8
60°	1296.4	1308.6	1301.3	1293.9	1293.9
62.5°	1183.7	1193.5	1191.0	1178.7	1171.4
65°	1073.4	1073.4	1066.0	1039.1	1051.3
67.5°	948.4	945.9	936.1	909.2	926.3
70°	825.9	825.9	808.7	776.8	798.9
72.5°	693.5	700.9	678.8	656.8	678.8
75°	571.0	563.6	551.4	531.8	553.8
77.5°	453.4	441.1	426.4	416.6	428.9
80°	330.8	323.5	306.3	306.3	313.7
82.5°	225.5	218.1	205.9	208.3	198.5
85°	125.0	117.6	120.1	120.1	107.8
87.5°	51.5	51.5	51.5	46.6	41.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)