

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: P566393

Luminaire Tested: **4SNX-41SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-41SL-LN-UNV-L850-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

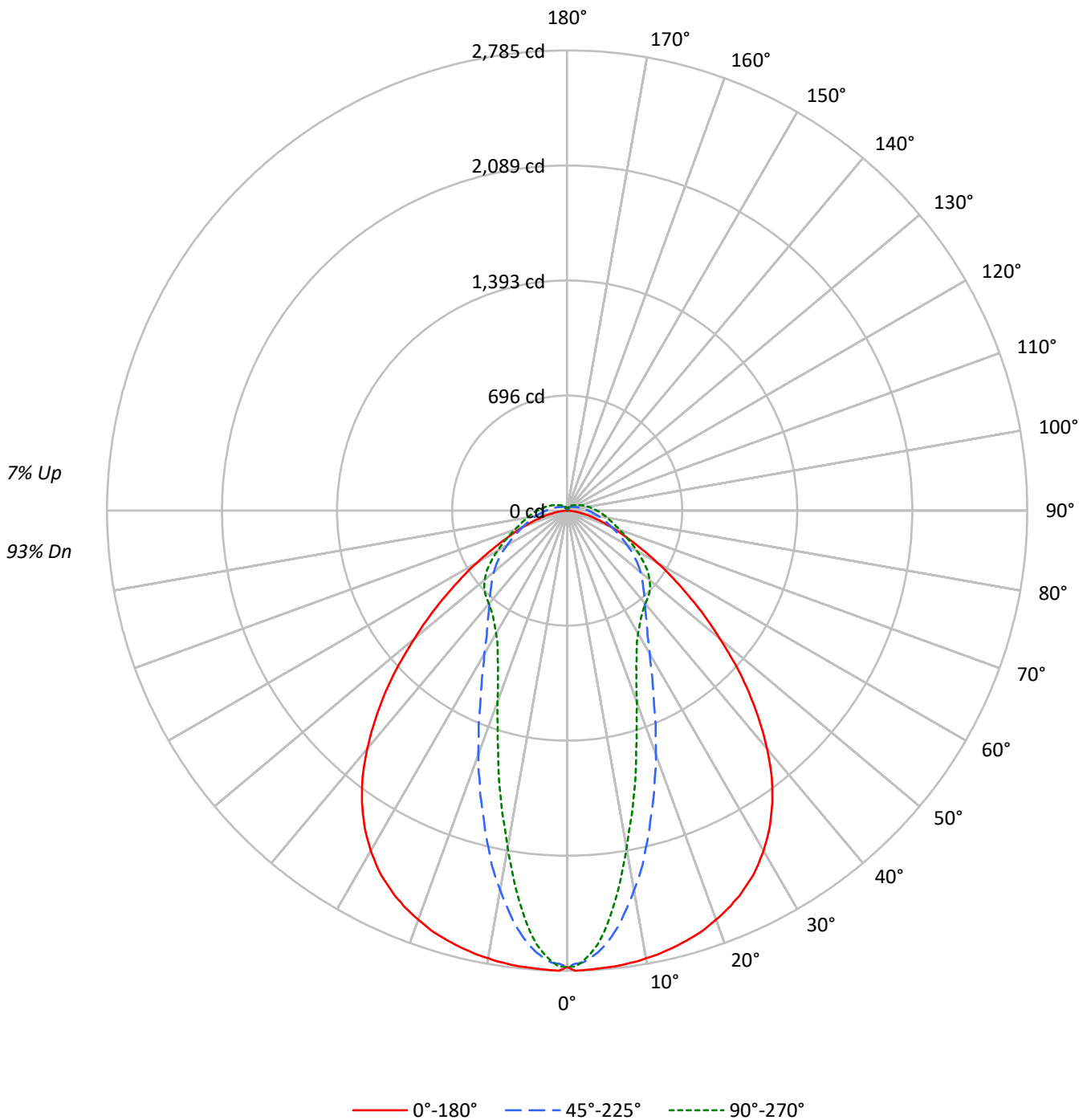
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4403.0 lumens  
Efficiency: N/A  
Efficacy: 167.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 26.3  
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	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

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

	0°	45°	90°
0°	29731	29731	29731
5°	29886	27326	26151
10°	29845	23429	20289
15°	29831	19113	15207
20°	29735	15224	11380
25°	29465	11931	9032
30°	28848	9656	7704
35°	27636	8171	7008
40°	25565	7214	6633
45°	22728	6600	6428
50°	19253	6074	6072
55°	15817	5503	5546
60°	12650	4841	4865
65°	9820	4250	4233
70°	7624	3759	3744
75°	5895	3379	3411
80°	4167	3091	3171
85°	2317	2881	3042



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.6	5.6
10°-20°	573.4	13.0
20°-30°	680.6	15.5
30°-40°	684.7	15.6
40°-50°	636.5	14.5
50°-60°	524.1	11.9
60°-70°	369.3	8.4
70°-80°	241.3	5.5
80°-90°	154.0	3.5
90°-100°	101.0	2.3
100°-110°	68.6	1.6
110°-120°	47.0	1.1
120°-130°	32.5	0.7
130°-140°	21.9	0.5
140°-150°	13.5	0.3
150°-160°	7.0	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1498.5	34.0
0°-40°	2183.3	49.6
0°-60°	3343.9	75.9
0°-90°	4108.5	93.3
90°-120°	216.6	4.9
90°-150°	284.5	6.5
90°-180°	294.0	6.7
0°-180°	4403.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2762	2762	2762	2762	2762	
5°	2776	2739	2640	2589	2561	264
15°	2707	2418	1945	1701	1608	764
25°	2529	1869	1239	1041	997	1164
35°	2164	1264	840	787	782	1346
45°	1555	833	651	685	704	1194
55°	893	547	503	558	577	807
65°	420	330	346	390	404	426
75°	164	171	233	275	286	177
85°	28	78	157	203	212	35
90°	0	53	127	173	180	2
95°	0	39	106	145	152	0
105°	0	28	72	102	111	0
115°	2	23	51	74	78	2
125°	2	18	42	53	58	2
135°	2	16	32	42	44	2
145°	2	12	23	32	35	1
155°	2	9	16	23	25	1
165°	2	5	9	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2762.1	2762.1	2762.1	2762.1	2762.1
1°	2785.2	2773.7	2743.7	2764.4	2759.8
2°	2782.9	2771.4	2736.8	2746.0	2729.8
3°	2780.6	2764.4	2711.4	2709.1	2686.0
4°	2778.3	2752.9	2679.1	2651.4	2632.9
5°	2776.0	2739.1	2639.8	2589.1	2561.4
6°	2773.7	2722.9	2589.1	2512.9	2473.7
7°	2769.1	2697.5	2536.0	2432.2	2381.4
8°	2764.4	2674.4	2469.1	2344.5	2282.2
9°	2759.8	2644.4	2402.2	2249.9	2176.0
10°	2750.6	2614.5	2332.9	2152.9	2074.5
11°	2746.0	2579.8	2266.0	2060.6	1968.3
12°	2736.8	2542.9	2194.5	1963.7	1883.0
13°	2727.5	2503.7	2106.8	1880.7	1783.7
14°	2718.3	2462.2	2030.6	1788.3	1698.4
15°	2706.8	2418.3	1945.3	1700.7	1608.4
16°	2695.2	2367.5	1869.1	1610.7	1513.8
17°	2683.7	2319.1	1797.6	1527.6	1439.9
18°	2669.8	2270.6	1714.5	1446.8	1361.5
19°	2651.4	2215.2	1647.6	1373.0	1294.5
20°	2635.2	2164.5	1571.4	1303.8	1234.5
21°	2616.8	2102.2	1495.3	1239.2	1169.9
22.5°	2589.1	2014.5	1398.4	1158.4	1093.8
23°	2575.2	1989.1	1359.1	1128.4	1073.0
24°	2556.8	1922.2	1294.5	1082.2	1026.9
25°	2529.1	1869.1	1239.2	1040.7	996.9
26°	2503.7	1804.5	1183.8	1003.8	959.9
27°	2478.3	1742.2	1135.3	964.6	927.6
28°	2446.0	1677.6	1082.2	932.2	899.9
29°	2411.4	1617.6	1038.4	904.6	879.2
30°	2376.8	1550.7	1001.5	879.2	858.4
32.5°	2279.9	1403.0	906.9	830.7	816.9
35°	2164.5	1264.5	839.9	786.9	782.3
37.5°	2035.3	1137.6	780.0	752.3	756.9
40°	1883.0	1022.2	729.2	726.9	736.1
42.5°	1721.4	923.0	690.0	706.1	720.0
45°	1555.3	833.0	650.7	685.3	703.8
47.5°	1382.2	754.6	616.1	660.0	680.7
50°	1206.8	678.4	579.2	630.0	650.7
52.5°	1049.9	611.5	542.3	595.3	618.4
55°	893.0	546.9	503.0	558.4	576.9
57.5°	756.9	486.9	461.5	516.9	530.7
60°	630.0	429.2	420.0	470.7	486.9
62.5°	514.6	378.4	380.7	429.2	445.4
65°	420.0	330.0	346.1	390.0	403.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	341.5	283.8	311.5	357.7	369.2
70°	270.0	242.3	283.8	325.4	336.9
72.5°	214.6	205.4	256.1	300.0	309.2
75°	163.8	170.8	233.1	274.6	286.1
77.5°	117.7	143.1	210.0	253.8	263.1
80°	83.1	117.7	191.5	235.4	244.6
82.5°	53.1	96.9	173.1	219.2	228.4
85°	27.7	78.5	156.9	203.1	212.3
87.5°	11.5	64.6	140.8	186.9	196.1
90°	0.0	53.1	126.9	173.1	180.0
92.5°	0.0	46.2	115.4	159.2	166.1
95°	0.0	39.2	106.1	145.4	152.3
97.5°	0.0	36.9	94.6	133.8	140.8
100°	0.0	32.3	85.4	122.3	131.5
102.5°	0.0	30.0	78.5	110.8	120.0
105°	0.0	27.7	71.5	101.5	110.8
107.5°	0.0	25.4	66.9	94.6	101.5
110°	0.0	25.4	60.0	87.7	94.6
112.5°	2.3	23.1	55.4	78.5	85.4
115°	2.3	23.1	50.8	73.8	78.5
117.5°	2.3	23.1	48.5	66.9	71.5
120°	2.3	20.8	46.2	62.3	66.9
122.5°	2.3	20.8	43.8	57.7	60.0
125°	2.3	18.5	41.5	53.1	57.7
127.5°	2.3	18.5	39.2	50.8	53.1
130°	2.3	18.5	36.9	46.2	50.8
132.5°	2.3	16.2	34.6	43.8	46.2
135°	2.3	16.2	32.3	41.5	43.8
137.5°	2.3	13.8	30.0	39.2	41.5
140°	2.3	13.8	27.7	36.9	39.2
142.5°	2.3	11.5	25.4	34.6	36.9
145°	2.3	11.5	23.1	32.3	34.6
147.5°	2.3	11.5	20.8	30.0	32.3
150°	2.3	9.2	18.5	27.7	30.0
152.5°	2.3	9.2	16.2	25.4	27.7
155°	2.3	9.2	16.2	23.1	25.4
157.5°	2.3	6.9	13.8	18.5	23.1
160°	2.3	6.9	11.5	16.2	20.8
162.5°	2.3	6.9	11.5	13.8	16.2
165°	2.3	4.6	9.2	11.5	13.8
167.5°	2.3	4.6	6.9	9.2	11.5
170°	2.3	4.6	6.9	6.9	9.2
172.5°	2.3	4.6	4.6	4.6	4.6
175°	4.6	4.6	4.6	4.6	2.3
177.5°	4.6	4.6	4.6	2.3	2.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)