

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: P566562

Luminaire Tested: **4SNX-51SL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566562  
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: 4SNX-51SL-UNV-L930-CD  
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

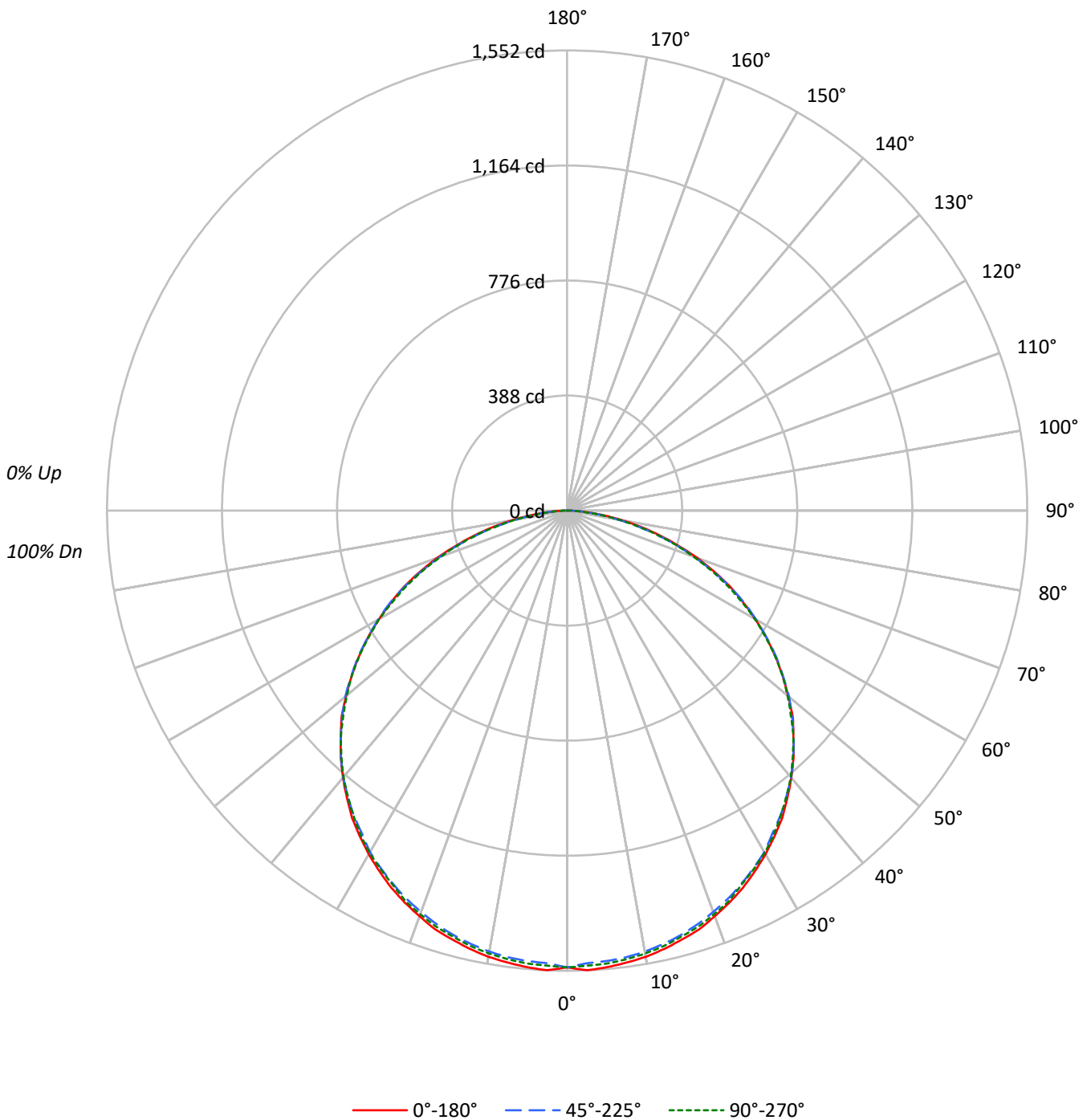
Lumens per Lamp: N/A  
Luminaire Lumens: 4606.0 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 35  
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°	16582	16582	16582
5°	16705	16480	16570
10°	16701	16504	16580
15°	16688	16518	16579
20°	16678	16503	16598
25°	16667	16503	16535
30°	16633	16529	16564
35°	16620	16492	16511
40°	16526	16506	16488
45°	16428	16448	16428
50°	16309	16354	16238
55°	16092	16145	16066
60°	15776	15836	15745
65°	15455	15348	15137
70°	14694	14389	14213
75°	13425	12963	13021
80°	11592	10736	10990
85°	8732	8386	7534



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.1	3.2
10°-20°	421.1	9.1
20°-30°	644.3	14.0
30°-40°	787.8	17.1
40°-50°	833.3	18.1
50°-60°	767.8	16.7
60°-70°	591.7	12.8
70°-80°	331.5	7.2
80°-90°	82.4	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°	1211.5	26.3
0°-40°	1999.3	43.4
0°-60°	3600.4	78.2
0°-90°	4606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4606.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1540	1540	1540	1540	1540	
5°	1546	1540	1525	1540	1534	147
15°	1498	1495	1482	1495	1488	423
25°	1403	1401	1390	1401	1392	647
35°	1265	1262	1255	1259	1256	790
45°	1079	1083	1080	1079	1079	834
55°	858	864	860	860	856	766
65°	607	607	603	587	594	597
75°	323	319	312	301	313	342
85°	71	66	68	68	61	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1540.5	1540.5	1540.5	1540.5	1540.5
2.5°	1551.6	1544.6	1528.0	1543.2	1536.3
5°	1546.0	1540.5	1525.2	1540.5	1533.5
7.5°	1537.7	1533.5	1519.7	1533.5	1526.6
10°	1528.0	1523.8	1510.0	1523.8	1516.9
12.5°	1514.2	1511.4	1497.5	1511.4	1504.5
15°	1497.5	1494.8	1482.3	1494.8	1487.8
17.5°	1480.9	1475.4	1462.9	1476.7	1471.2
20°	1456.0	1453.2	1440.7	1453.2	1449.0
22.5°	1431.0	1428.3	1417.2	1428.3	1425.5
25°	1403.3	1400.6	1389.5	1400.6	1392.2
27.5°	1371.5	1372.8	1360.4	1367.3	1363.2
30°	1338.2	1338.2	1329.9	1332.7	1332.7
32.5°	1302.2	1302.2	1289.7	1298.0	1296.7
35°	1264.8	1262.0	1255.1	1259.3	1256.5
37.5°	1220.5	1219.1	1214.9	1217.7	1214.9
40°	1176.1	1177.5	1174.7	1173.4	1173.4
42.5°	1130.4	1133.2	1129.0	1127.6	1126.3
45°	1079.2	1083.3	1080.5	1079.2	1079.2
47.5°	1032.1	1033.4	1029.3	1027.9	1023.7
50°	973.9	979.4	976.6	973.9	969.7
52.5°	915.7	924.0	918.5	915.7	915.7
55°	857.5	864.4	860.3	860.3	856.1
57.5°	796.6	803.5	797.9	797.9	792.4
60°	732.8	739.8	735.6	731.4	731.4
62.5°	669.1	674.6	673.3	666.3	662.2
65°	606.8	606.8	602.6	587.4	594.3
67.5°	536.1	534.7	529.2	514.0	523.7
70°	466.9	466.9	457.2	439.1	451.6
72.5°	392.0	396.2	383.7	371.3	383.7
75°	322.8	318.6	311.7	300.6	313.1
77.5°	256.3	249.4	241.0	235.5	242.4
80°	187.0	182.9	173.2	173.2	177.3
82.5°	127.4	123.3	116.4	117.8	112.2
85°	70.7	66.5	67.9	67.9	61.0
87.5°	29.1	29.1	29.1	26.3	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)