

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: P566558

Luminaire Tested: **4SNX-51SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566558  
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-L830-CD  
Description: 4FT 5100 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

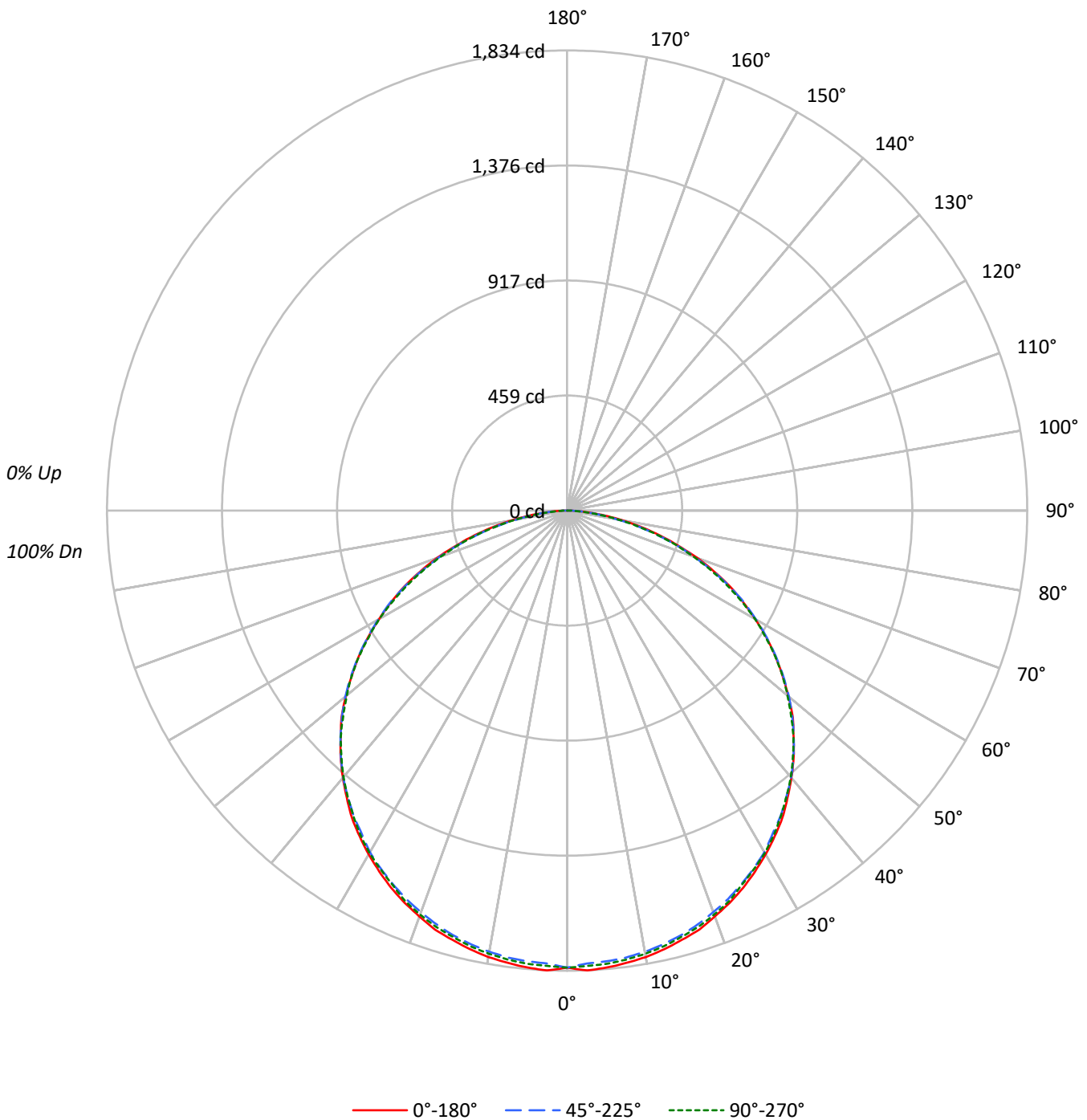
Lumens per Lamp: N/A  
Luminaire Lumens: 5446.0 lumens  
Efficiency: N/A  
Efficacy: 155.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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°	19605	19605	19605
5°	19752	19486	19592
10°	19747	19514	19604
15°	19731	19530	19604
20°	19719	19513	19625
25°	19707	19512	19550
30°	19667	19544	19585
35°	19651	19500	19521
40°	19540	19517	19495
45°	19424	19448	19424
50°	19283	19338	19201
55°	19027	19089	18997
60°	18654	18725	18617
65°	18272	18147	17897
70°	17372	17010	16806
75°	15870	15325	15396
80°	13705	12689	12999
85°	10312	9917	8904



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.8	3.2
10°-20°	497.9	9.1
20°-30°	761.8	14.0
30°-40°	931.5	17.1
40°-50°	985.3	18.1
50°-60°	907.8	16.7
60°-70°	699.6	12.8
70°-80°	392.0	7.2
80°-90°	97.4	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°	1432.5	26.3
0°-40°	2363.9	43.4
0°-60°	4257.1	78.2
0°-90°	5446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1821	1821	1821	1821	1821	
5°	1828	1821	1803	1821	1813	174
15°	1771	1767	1753	1767	1759	500
25°	1659	1656	1643	1656	1646	765
35°	1496	1492	1484	1489	1486	934
45°	1276	1281	1278	1276	1276	986
55°	1014	1022	1017	1017	1012	905
65°	717	717	712	694	703	706
75°	382	377	368	355	370	405
85°	84	79	80	80	72	103
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1821.4	1821.4	1821.4	1821.4	1821.4
2.5°	1834.5	1826.3	1806.7	1824.7	1816.5
5°	1828.0	1821.4	1803.4	1821.4	1813.2
7.5°	1818.1	1813.2	1796.8	1813.2	1805.0
10°	1806.7	1801.8	1785.4	1801.8	1793.6
12.5°	1790.3	1787.0	1770.6	1787.0	1778.8
15°	1770.6	1767.4	1752.6	1767.4	1759.2
17.5°	1751.0	1744.4	1729.7	1746.1	1739.5
20°	1721.5	1718.2	1703.5	1718.2	1713.3
22.5°	1692.0	1688.7	1675.6	1688.7	1685.5
25°	1659.3	1656.0	1642.9	1656.0	1646.1
27.5°	1621.6	1623.2	1608.5	1616.7	1611.8
30°	1582.3	1582.3	1572.4	1575.7	1575.7
32.5°	1539.7	1539.7	1524.9	1534.8	1533.1
35°	1495.5	1492.2	1484.0	1488.9	1485.6
37.5°	1443.0	1441.4	1436.5	1439.8	1436.5
40°	1390.6	1392.3	1389.0	1387.4	1387.4
42.5°	1336.6	1339.9	1334.9	1333.3	1331.7
45°	1276.0	1280.9	1277.6	1276.0	1276.0
47.5°	1220.3	1221.9	1217.0	1215.4	1210.5
50°	1151.5	1158.0	1154.8	1151.5	1146.6
52.5°	1082.7	1092.5	1086.0	1082.7	1082.7
55°	1013.9	1022.1	1017.2	1017.2	1012.3
57.5°	941.8	950.0	943.5	943.5	936.9
60°	866.5	874.7	869.8	864.8	864.8
62.5°	791.1	797.7	796.0	787.9	782.9
65°	717.4	717.4	712.5	694.5	702.7
67.5°	633.9	632.3	625.7	607.7	619.1
70°	552.0	552.0	540.5	519.2	534.0
72.5°	463.5	468.5	453.7	439.0	453.7
75°	381.6	376.7	368.5	355.4	370.2
77.5°	303.0	294.8	285.0	278.5	286.6
80°	221.1	216.2	204.7	204.7	209.7
82.5°	150.7	145.8	137.6	139.2	132.7
85°	83.5	78.6	80.3	80.3	72.1
87.5°	34.4	34.4	34.4	31.1	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)