

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: P566513

Luminaire Tested: **4SNX-48SL-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566513  
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-48SL-UNV-L850-CD  
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

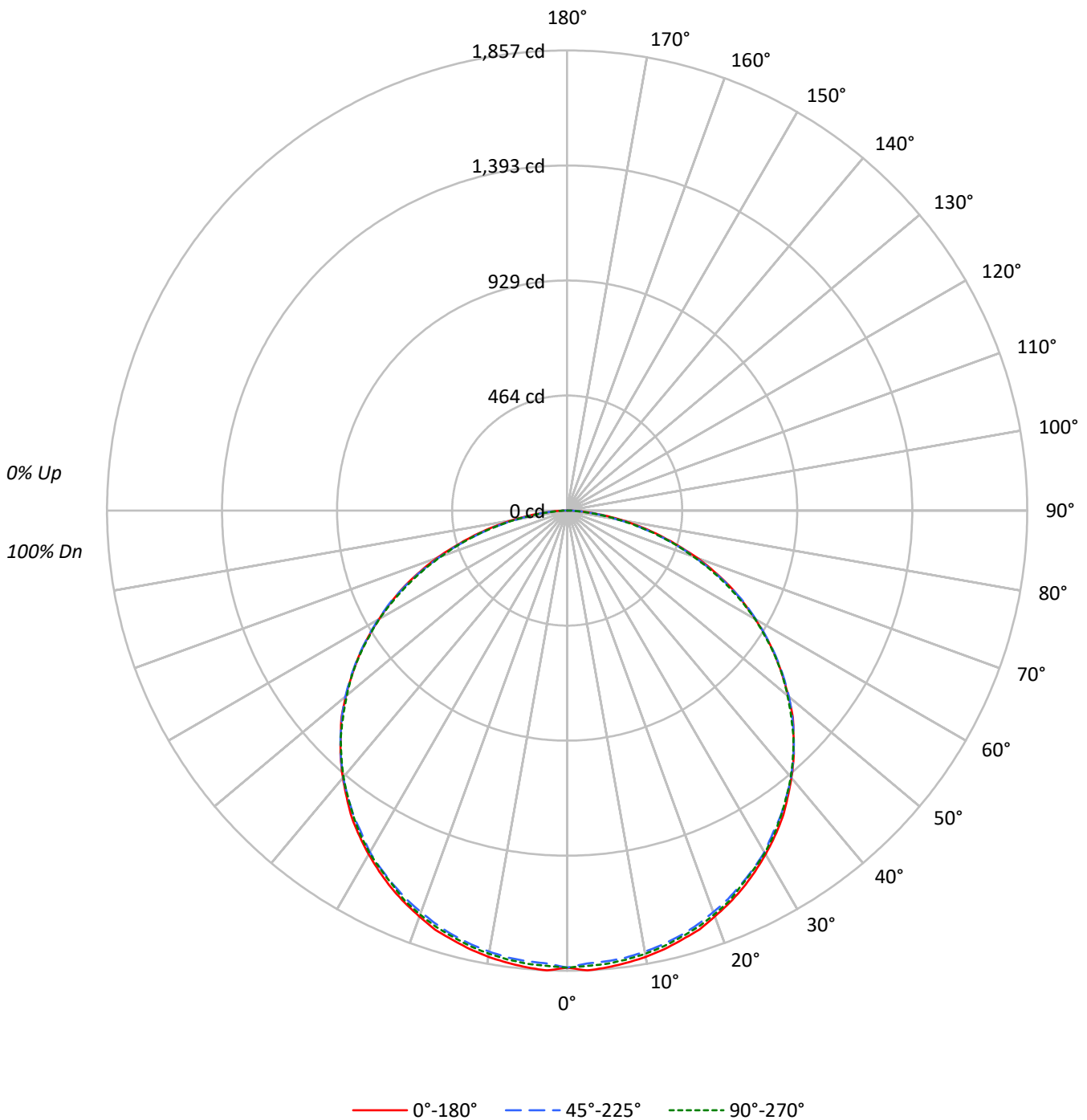
Lumens per Lamp: N/A  
Luminaire Lumens: 5514.0 lumens  
Efficiency: N/A  
Efficacy: 171.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 32.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	19851	19851	19851
5°	19998	19729	19837
10°	19993	19758	19849
15°	19977	19774	19848
20°	19966	19756	19871
25°	19953	19756	19795
30°	19911	19788	19829
35°	19896	19743	19766
40°	19784	19760	19738
45°	19666	19692	19666
50°	19524	19579	19440
55°	19265	19327	19234
60°	18886	18957	18850
65°	18501	18374	18122
70°	17589	17224	17014
75°	16070	15517	15587
80°	13879	12850	13160
85°	10448	10041	9016



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.9	3.2
10°-20°	504.1	9.1
20°-30°	771.3	14.0
30°-40°	943.1	17.1
40°-50°	997.6	18.1
50°-60°	919.2	16.7
60°-70°	708.3	12.8
70°-80°	396.9	7.2
80°-90°	98.6	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°	1450.4	26.3
0°-40°	2393.4	43.4
0°-60°	4310.2	78.2
0°-90°	5514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5514.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1844	1844	1844	1844	1844	
5°	1851	1844	1826	1844	1836	176
15°	1793	1789	1774	1789	1781	506
25°	1680	1677	1663	1677	1667	774
35°	1514	1511	1502	1508	1504	946
45°	1292	1297	1294	1292	1292	998
55°	1027	1035	1030	1030	1025	917
65°	726	726	721	703	712	714
75°	386	381	373	360	375	410
85°	85	80	81	81	73	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1844.2	1844.2	1844.2	1844.2	1844.2
2.5°	1857.4	1849.1	1829.2	1847.5	1839.2
5°	1850.8	1844.2	1825.9	1844.2	1835.9
7.5°	1840.8	1835.9	1819.3	1835.9	1827.6
10°	1829.2	1824.3	1807.7	1824.3	1816.0
12.5°	1812.6	1809.3	1792.7	1809.3	1801.0
15°	1792.7	1789.4	1774.5	1789.4	1781.1
17.5°	1772.8	1766.2	1751.3	1767.9	1761.2
20°	1743.0	1739.7	1724.7	1739.7	1734.7
22.5°	1713.1	1709.8	1696.6	1709.8	1706.5
25°	1680.0	1676.7	1663.4	1676.7	1666.7
27.5°	1641.8	1643.5	1628.6	1636.9	1631.9
30°	1602.0	1602.0	1592.1	1595.4	1595.4
32.5°	1558.9	1558.9	1544.0	1553.9	1552.3
35°	1514.1	1510.8	1502.5	1507.5	1504.2
37.5°	1461.1	1459.4	1454.4	1457.7	1454.4
40°	1408.0	1409.6	1406.3	1404.7	1404.7
42.5°	1353.3	1356.6	1351.6	1349.9	1348.3
45°	1291.9	1296.9	1293.6	1291.9	1291.9
47.5°	1235.5	1237.2	1232.2	1230.5	1225.6
50°	1165.9	1172.5	1169.2	1165.9	1160.9
52.5°	1096.2	1106.2	1099.5	1096.2	1096.2
55°	1026.6	1034.8	1029.9	1029.9	1024.9
57.5°	953.6	961.9	955.2	955.2	948.6
60°	877.3	885.6	880.6	875.6	875.6
62.5°	801.0	807.6	806.0	797.7	792.7
65°	726.4	726.4	721.4	703.2	711.5
67.5°	641.8	640.1	633.5	615.3	626.9
70°	558.9	558.9	547.3	525.7	540.6
72.5°	469.3	474.3	459.4	444.5	459.4
75°	386.4	381.4	373.1	359.9	374.8
77.5°	306.8	298.5	288.6	281.9	290.2
80°	223.9	218.9	207.3	207.3	212.3
82.5°	152.6	147.6	139.3	141.0	134.3
85°	84.6	79.6	81.3	81.3	73.0
87.5°	34.8	34.8	34.8	31.5	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)