

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: P566510

Luminaire Tested: **4SNX-48SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566510
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-L830-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

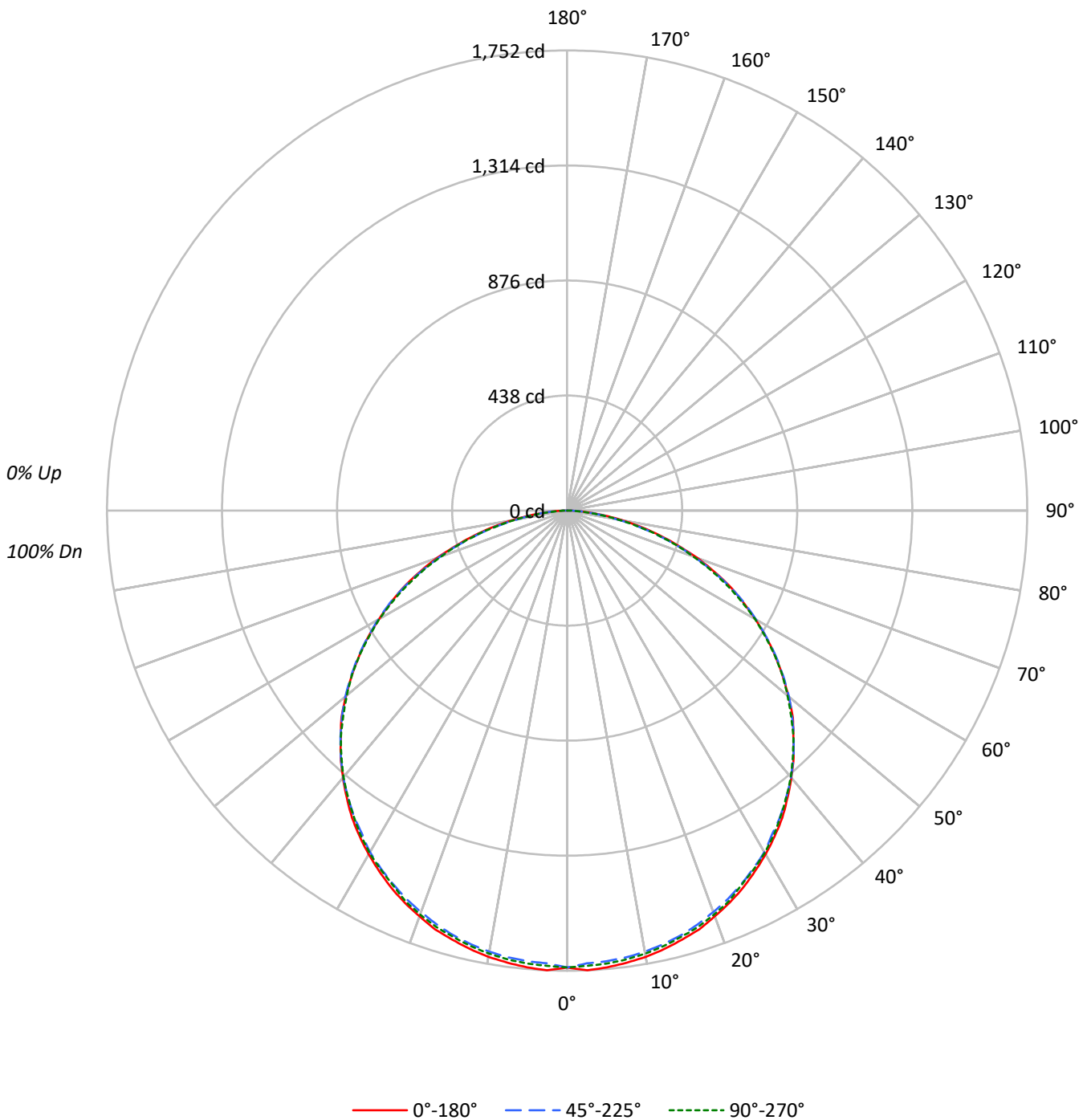
Lumens per Lamp: N/A
Luminaire Lumens: 5201.0 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
Input Voltage (V): NR
Input Current (A_{in}): 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°	18724	18724	18724
5°	18862	18610	18710
10°	18859	18637	18722
15°	18844	18652	18721
20°	18832	18635	18742
25°	18820	18634	18671
30°	18782	18665	18703
35°	18767	18622	18643
40°	18662	18639	18617
45°	18550	18573	18550
50°	18415	18467	18337
55°	18171	18230	18141
60°	17814	17881	17780
65°	17452	17332	17093
70°	16592	16246	16051
75°	15159	14639	14702
80°	13092	12118	12410
85°	9855	9460	8497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.0	3.2
10°-20°	475.5	9.1
20°-30°	727.5	14.0
30°-40°	889.5	17.1
40°-50°	941.0	18.1
50°-60°	867.0	16.7
60°-70°	668.1	12.8
70°-80°	374.3	7.2
80°-90°	93.0	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°	1368.0	26.3
0°-40°	2257.6	43.4
0°-60°	4065.5	78.2
0°-90°	5201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5201.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1740	1740	1740	1740	1740	
5°	1746	1740	1722	1740	1732	166
15°	1691	1688	1674	1688	1680	478
25°	1585	1582	1569	1582	1572	730
35°	1428	1425	1417	1422	1419	892
45°	1219	1223	1220	1219	1219	941
55°	968	976	971	971	967	865
65°	685	685	680	663	671	674
75°	364	360	352	339	354	386
85°	80	75	77	77	69	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1739.5	1739.5	1739.5	1739.5	1739.5
2.5°	1752.0	1744.2	1725.4	1742.6	1734.8
5°	1745.7	1739.5	1722.3	1739.5	1731.6
7.5°	1736.3	1731.6	1716.0	1731.6	1723.8
10°	1725.4	1720.7	1705.1	1720.7	1712.9
12.5°	1709.7	1706.6	1691.0	1706.6	1698.8
15°	1691.0	1687.8	1673.8	1687.8	1680.0
17.5°	1672.2	1665.9	1651.9	1667.5	1661.3
20°	1644.0	1640.9	1626.8	1640.9	1636.2
22.5°	1615.9	1612.8	1600.3	1612.8	1609.6
25°	1584.6	1581.5	1569.0	1581.5	1572.1
27.5°	1548.6	1550.2	1536.1	1543.9	1539.2
30°	1511.1	1511.1	1501.7	1504.8	1504.8
32.5°	1470.4	1470.4	1456.3	1465.7	1464.2
35°	1428.2	1425.1	1417.2	1421.9	1418.8
37.5°	1378.1	1376.6	1371.9	1375.0	1371.9
40°	1328.1	1329.6	1326.5	1324.9	1324.9
42.5°	1276.4	1279.6	1274.9	1273.3	1271.8
45°	1218.6	1223.3	1220.1	1218.6	1218.6
47.5°	1165.4	1166.9	1162.3	1160.7	1156.0
50°	1099.7	1105.9	1102.8	1099.7	1095.0
52.5°	1034.0	1043.4	1037.1	1034.0	1034.0
55°	968.3	976.1	971.4	971.4	966.7
57.5°	899.5	907.3	901.0	901.0	894.8
60°	827.5	835.3	830.6	825.9	825.9
62.5°	755.5	761.8	760.2	752.4	747.7
65°	685.2	685.2	680.5	663.3	671.1
67.5°	605.4	603.8	597.6	580.3	591.3
70°	527.2	527.2	516.2	495.9	510.0
72.5°	442.7	447.4	433.3	419.2	433.3
75°	364.5	359.8	352.0	339.4	353.5
77.5°	289.4	281.6	272.2	265.9	273.7
80°	211.2	206.5	195.5	195.5	200.2
82.5°	143.9	139.2	131.4	133.0	126.7
85°	79.8	75.1	76.6	76.6	68.8
87.5°	32.8	32.8	32.8	29.7	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)