

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: P566514

Luminaire Tested: **4SNX-48SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566514
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-L930-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

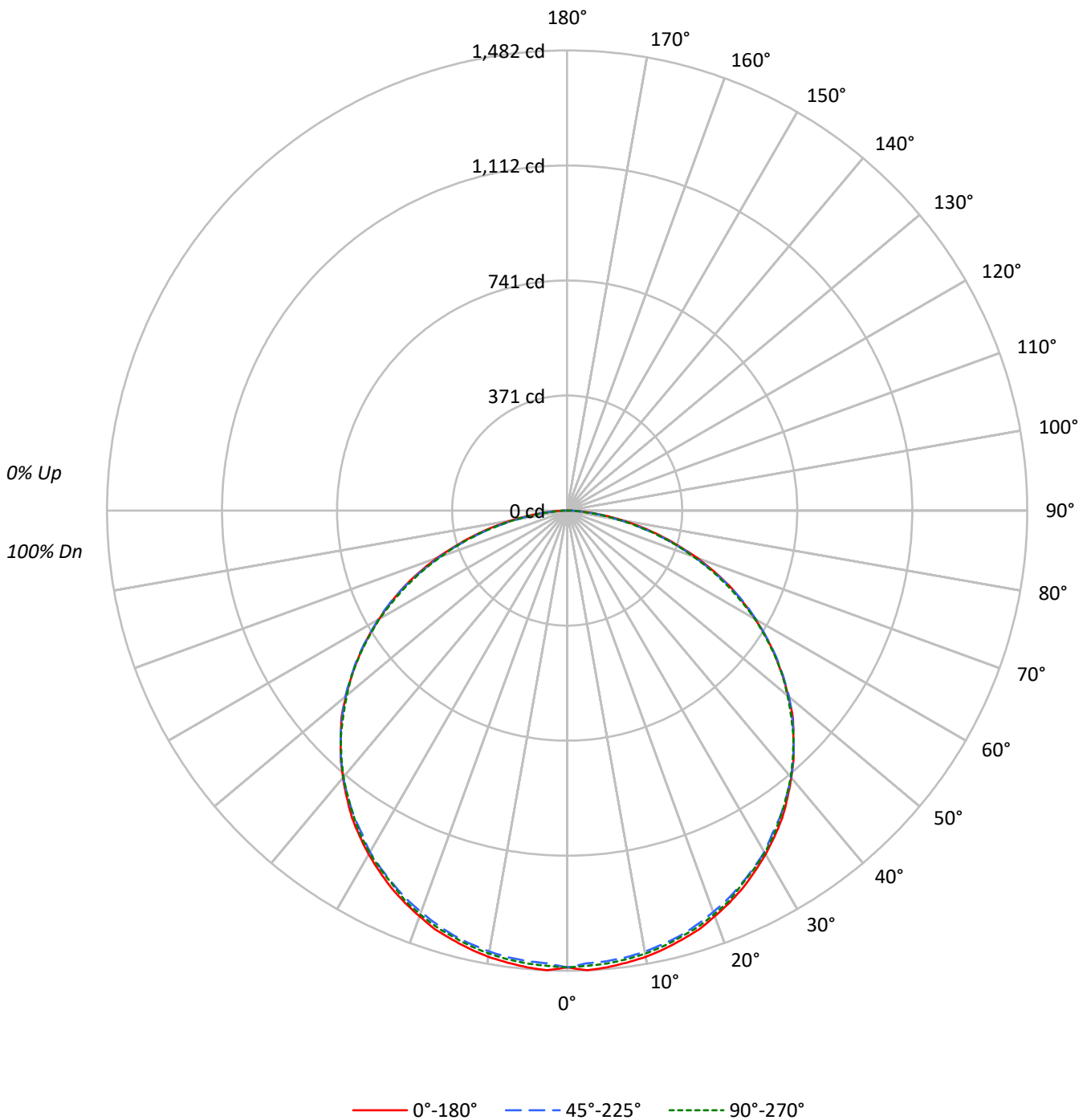
Lumens per Lamp: N/A
Luminaire Lumens: 4399.0 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P566514

CATALOG NUMBER: 4SNX-48SL-UNV-L930-CD

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°	15836	15836	15836
5°	15954	15740	15825
10°	15950	15762	15835
15°	15938	15776	15835
20°	15928	15762	15852
25°	15918	15760	15792
30°	15886	15786	15820
35°	15873	15751	15768
40°	15784	15766	15746
45°	15690	15710	15690
50°	15575	15620	15508
55°	15370	15418	15345
60°	15067	15123	15039
65°	14760	14658	14457
70°	14033	13740	13574
75°	12822	12381	12435
80°	11071	10253	10501
85°	8336	8003	7188



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	3.2
10°-20°	402.2	9.1
20°-30°	615.3	14.0
30°-40°	752.4	17.1
40°-50°	795.9	18.1
50°-60°	733.3	16.7
60°-70°	565.1	12.8
70°-80°	316.6	7.2
80°-90°	78.7	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°	1157.1	26.3
0°-40°	1909.5	43.4
0°-60°	3438.6	78.2
0°-90°	4399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1471	1471	1471	1471	1471	
5°	1476	1471	1457	1471	1465	140
15°	1430	1428	1416	1428	1421	404
25°	1340	1338	1327	1338	1330	618
35°	1208	1205	1199	1203	1200	755
45°	1031	1035	1032	1031	1031	796
55°	819	826	822	822	818	731
65°	580	580	576	561	568	570
75°	308	304	298	287	299	327
85°	68	64	65	65	58	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1471.2	1471.2	1471.2	1471.2	1471.2
2.5°	1481.8	1475.2	1459.3	1473.9	1467.3
5°	1476.5	1471.2	1456.7	1471.2	1464.6
7.5°	1468.6	1464.6	1451.4	1464.6	1458.0
10°	1459.3	1455.4	1442.1	1455.4	1448.8
12.5°	1446.1	1443.5	1430.2	1443.5	1436.8
15°	1430.2	1427.6	1415.7	1427.6	1421.0
17.5°	1414.4	1409.1	1397.2	1410.4	1405.1
20°	1390.5	1387.9	1376.0	1387.9	1383.9
22.5°	1366.7	1364.1	1353.5	1364.1	1361.4
25°	1340.3	1337.6	1327.0	1337.6	1329.7
27.5°	1309.8	1311.2	1299.2	1305.9	1301.9
30°	1278.1	1278.1	1270.1	1272.8	1272.8
32.5°	1243.7	1243.7	1231.8	1239.7	1238.4
35°	1208.0	1205.3	1198.7	1202.7	1200.0
37.5°	1165.6	1164.3	1160.3	1163.0	1160.3
40°	1123.3	1124.6	1122.0	1120.6	1120.6
42.5°	1079.6	1082.3	1078.3	1077.0	1075.6
45°	1030.7	1034.6	1032.0	1030.7	1030.7
47.5°	985.7	987.0	983.0	981.7	977.7
50°	930.1	935.4	932.8	930.1	926.1
52.5°	874.5	882.5	877.2	874.5	874.5
55°	819.0	825.6	821.6	821.6	817.7
57.5°	760.8	767.4	762.1	762.1	756.8
60°	699.9	706.5	702.5	698.6	698.6
62.5°	639.0	644.3	643.0	636.4	632.4
65°	579.5	579.5	575.5	561.0	567.6
67.5°	512.0	510.7	505.4	490.9	500.1
70°	445.9	445.9	436.6	419.4	431.3
72.5°	374.4	378.4	366.5	354.6	366.5
75°	308.3	304.3	297.7	287.1	299.0
77.5°	244.8	238.2	230.2	224.9	231.5
80°	178.6	174.6	165.4	165.4	169.4
82.5°	121.7	117.8	111.1	112.5	107.2
85°	67.5	63.5	64.8	64.8	58.2
87.5°	27.8	27.8	27.8	25.1	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)