

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: P566516

Luminaire Tested: **4SNX-48SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566516
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-L940-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

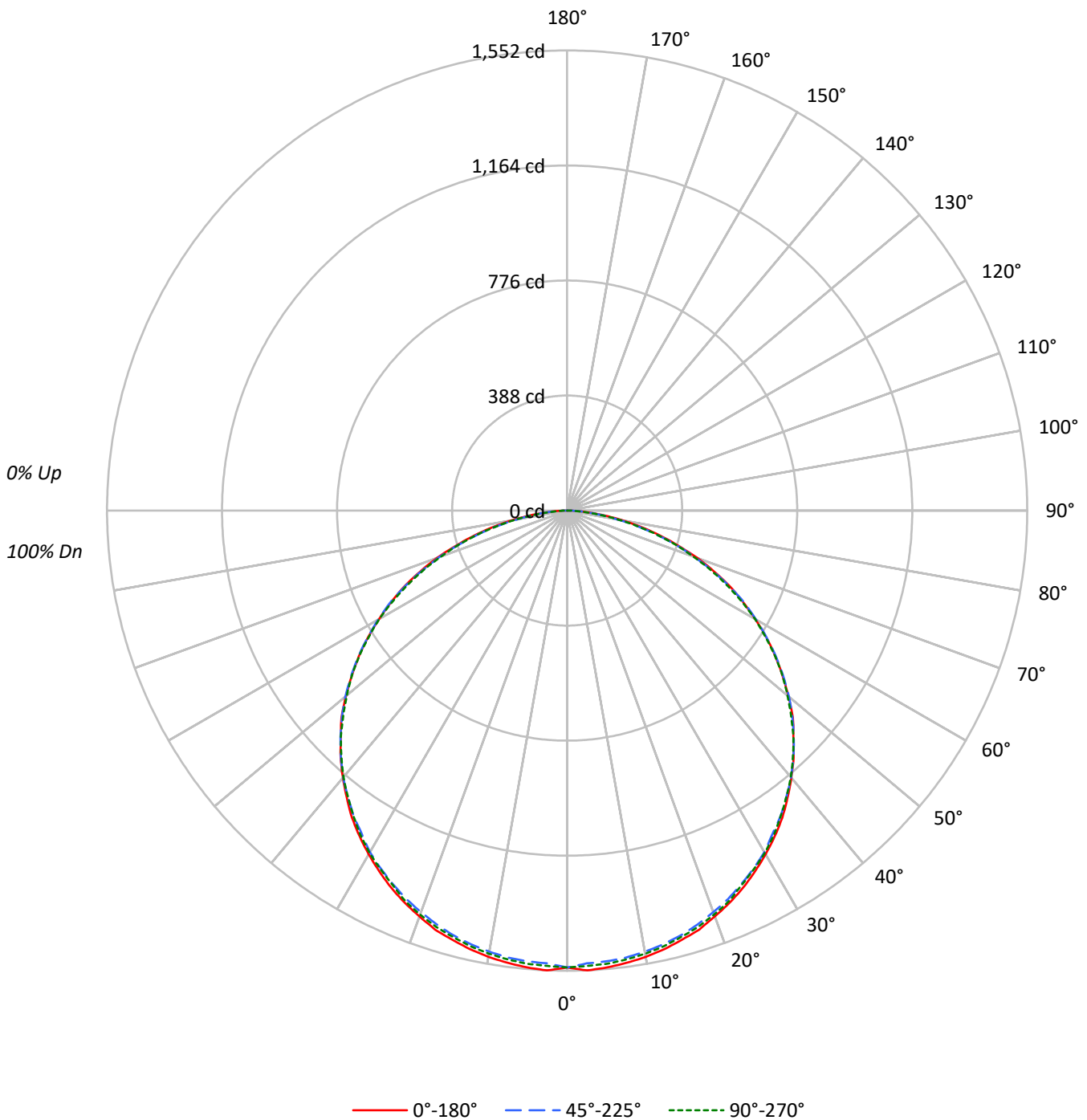
Lumens per Lamp: N/A
Luminaire Lumens: 4608.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	16588	16588	16588
5°	16712	16487	16577
10°	16709	16512	16587
15°	16695	16525	16587
20°	16685	16511	16606
25°	16674	16510	16542
30°	16640	16537	16572
35°	16626	16499	16517
40°	16533	16514	16495
45°	16434	16455	16434
50°	16315	16362	16245
55°	16100	16152	16073
60°	15784	15842	15754
65°	15460	15356	15144
70°	14700	14395	14219
75°	13429	12967	13026
80°	11598	10736	10996
85°	8732	8386	7534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	3.2
10°-20°	421.3	9.1
20°-30°	644.6	14.0
30°-40°	788.1	17.1
40°-50°	833.7	18.1
50°-60°	768.1	16.7
60°-70°	591.9	12.8
70°-80°	331.6	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°	1212.1	26.3
0°-40°	2000.2	43.4
0°-60°	3602.0	78.2
0°-90°	4608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1541	1541	1541	1541	1541	
5°	1547	1541	1526	1541	1534	147
15°	1498	1495	1483	1495	1488	423
25°	1404	1401	1390	1401	1393	647
35°	1265	1263	1256	1260	1257	791
45°	1080	1084	1081	1080	1080	834
55°	858	865	861	861	856	766
65°	607	607	603	588	595	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°	1541.1	1541.1	1541.1	1541.1	1541.1
2.5°	1552.2	1545.3	1528.7	1543.9	1537.0
5°	1546.7	1541.1	1525.9	1541.1	1534.2
7.5°	1538.4	1534.2	1520.4	1534.2	1527.3
10°	1528.7	1524.5	1510.7	1524.5	1517.6
12.5°	1514.8	1512.0	1498.2	1512.0	1505.1
15°	1498.2	1495.4	1482.9	1495.4	1488.5
17.5°	1481.5	1476.0	1463.5	1477.4	1471.8
20°	1456.6	1453.8	1441.4	1453.8	1449.7
22.5°	1431.7	1428.9	1417.8	1428.9	1426.1
25°	1403.9	1401.2	1390.1	1401.2	1392.8
27.5°	1372.1	1373.4	1361.0	1367.9	1363.7
30°	1338.8	1338.8	1330.5	1333.3	1333.3
32.5°	1302.8	1302.8	1290.3	1298.6	1297.2
35°	1265.3	1262.6	1255.6	1259.8	1257.0
37.5°	1221.0	1219.6	1215.5	1218.2	1215.5
40°	1176.6	1178.0	1175.3	1173.9	1173.9
42.5°	1130.9	1133.7	1129.5	1128.1	1126.8
45°	1079.6	1083.8	1081.0	1079.6	1079.6
47.5°	1032.5	1033.9	1029.7	1028.4	1024.2
50°	974.3	979.8	977.1	974.3	970.1
52.5°	916.1	924.4	918.9	916.1	916.1
55°	857.9	864.8	860.7	860.7	856.5
57.5°	796.9	803.8	798.3	798.3	792.7
60°	733.2	740.1	735.9	731.8	731.8
62.5°	669.4	674.9	673.6	666.6	662.5
65°	607.0	607.0	602.9	587.6	594.6
67.5°	536.4	535.0	529.4	514.2	523.9
70°	467.1	467.1	457.4	439.3	451.8
72.5°	392.2	396.4	383.9	371.4	383.9
75°	322.9	318.8	311.8	300.7	313.2
77.5°	256.4	249.5	241.1	235.6	242.5
80°	187.1	182.9	173.2	173.2	177.4
82.5°	127.5	123.3	116.4	117.8	112.3
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)