

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: P566417

Luminaire Tested: **4SNX-41SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566417
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-41SL-UNV-L850-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

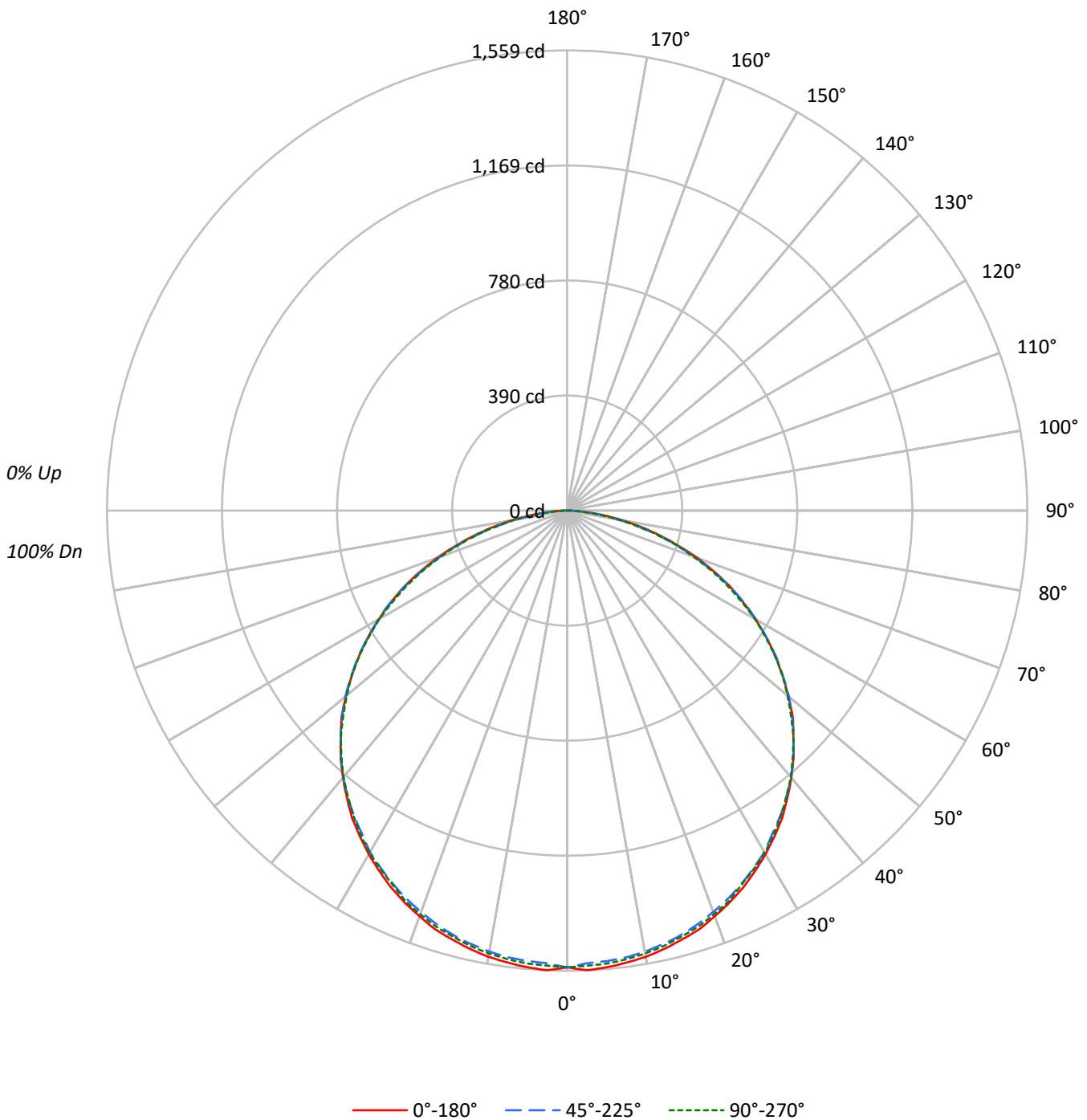
Lumens per Lamp: N/A
Luminaire Lumens: 4627.0 lumens
Efficiency: N/A
Efficacy: 175.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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°	16657	16657	16657
5°	16781	16555	16645
10°	16777	16580	16655
15°	16764	16593	16655
20°	16754	16578	16673
25°	16743	16577	16611
30°	16708	16605	16640
35°	16696	16567	16586
40°	16602	16582	16562
45°	16503	16524	16503
50°	16382	16429	16312
55°	16165	16218	16139
60°	15849	15909	15819
65°	15524	15419	15205
70°	14760	14452	14279
75°	13487	13021	13080
80°	11647	10786	11040
85°	8769	8423	7558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	3.2
10°-20°	423.0	9.1
20°-30°	647.2	14.0
30°-40°	791.4	17.1
40°-50°	837.1	18.1
50°-60°	771.3	16.7
60°-70°	594.4	12.8
70°-80°	333.0	7.2
80°-90°	82.8	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°	1217.1	26.3
0°-40°	2008.4	43.4
0°-60°	3616.9	78.2
0°-90°	4627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4627.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1553	1548	1532	1548	1540	148
15°	1504	1502	1489	1502	1495	425
25°	1410	1407	1396	1407	1399	650
35°	1271	1268	1261	1265	1262	794
45°	1084	1088	1086	1084	1084	837
55°	861	868	864	864	860	769
65°	610	610	605	590	597	600
75°	324	320	313	302	314	344
85°	71	67	68	68	61	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1547.5	1547.5	1547.5	1547.5	1547.5
2.5°	1558.6	1551.7	1535.0	1550.3	1543.3
5°	1553.1	1547.5	1532.2	1547.5	1540.5
7.5°	1544.7	1540.5	1526.6	1540.5	1533.6
10°	1535.0	1530.8	1516.9	1530.8	1523.8
12.5°	1521.1	1518.3	1504.4	1518.3	1511.3
15°	1504.4	1501.6	1489.0	1501.6	1494.6
17.5°	1487.7	1482.1	1469.6	1483.5	1477.9
20°	1462.6	1459.8	1447.3	1459.8	1455.6
22.5°	1437.6	1434.8	1423.6	1434.8	1432.0
25°	1409.7	1406.9	1395.8	1406.9	1398.6
27.5°	1377.7	1379.1	1366.6	1373.5	1369.4
30°	1344.3	1344.3	1336.0	1338.8	1338.8
32.5°	1308.1	1308.1	1295.6	1304.0	1302.6
35°	1270.6	1267.8	1260.8	1265.0	1262.2
37.5°	1226.0	1224.6	1220.5	1223.2	1220.5
40°	1181.5	1182.9	1180.1	1178.7	1178.7
42.5°	1135.6	1138.4	1134.2	1132.8	1131.4
45°	1084.1	1088.3	1085.5	1084.1	1084.1
47.5°	1036.8	1038.2	1034.0	1032.6	1028.4
50°	978.3	983.9	981.1	978.3	974.1
52.5°	919.9	928.2	922.7	919.9	919.9
55°	861.4	868.4	864.2	864.2	860.0
57.5°	800.2	807.1	801.6	801.6	796.0
60°	736.2	743.1	739.0	734.8	734.8
62.5°	672.2	677.7	676.3	669.4	665.2
65°	609.5	609.5	605.4	590.1	597.0
67.5°	538.6	537.2	531.6	516.3	526.0
70°	469.0	469.0	459.2	441.1	453.7
72.5°	393.8	398.0	385.5	373.0	385.5
75°	324.3	320.1	313.1	302.0	314.5
77.5°	257.5	250.5	242.1	236.6	243.5
80°	187.9	183.7	174.0	174.0	178.1
82.5°	128.0	123.9	116.9	118.3	112.7
85°	71.0	66.8	68.2	68.2	61.2
87.5°	29.2	29.2	29.2	26.4	23.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)