

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1214161

Luminaire Tested: 4SNLED-LD5-52SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-52SL-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

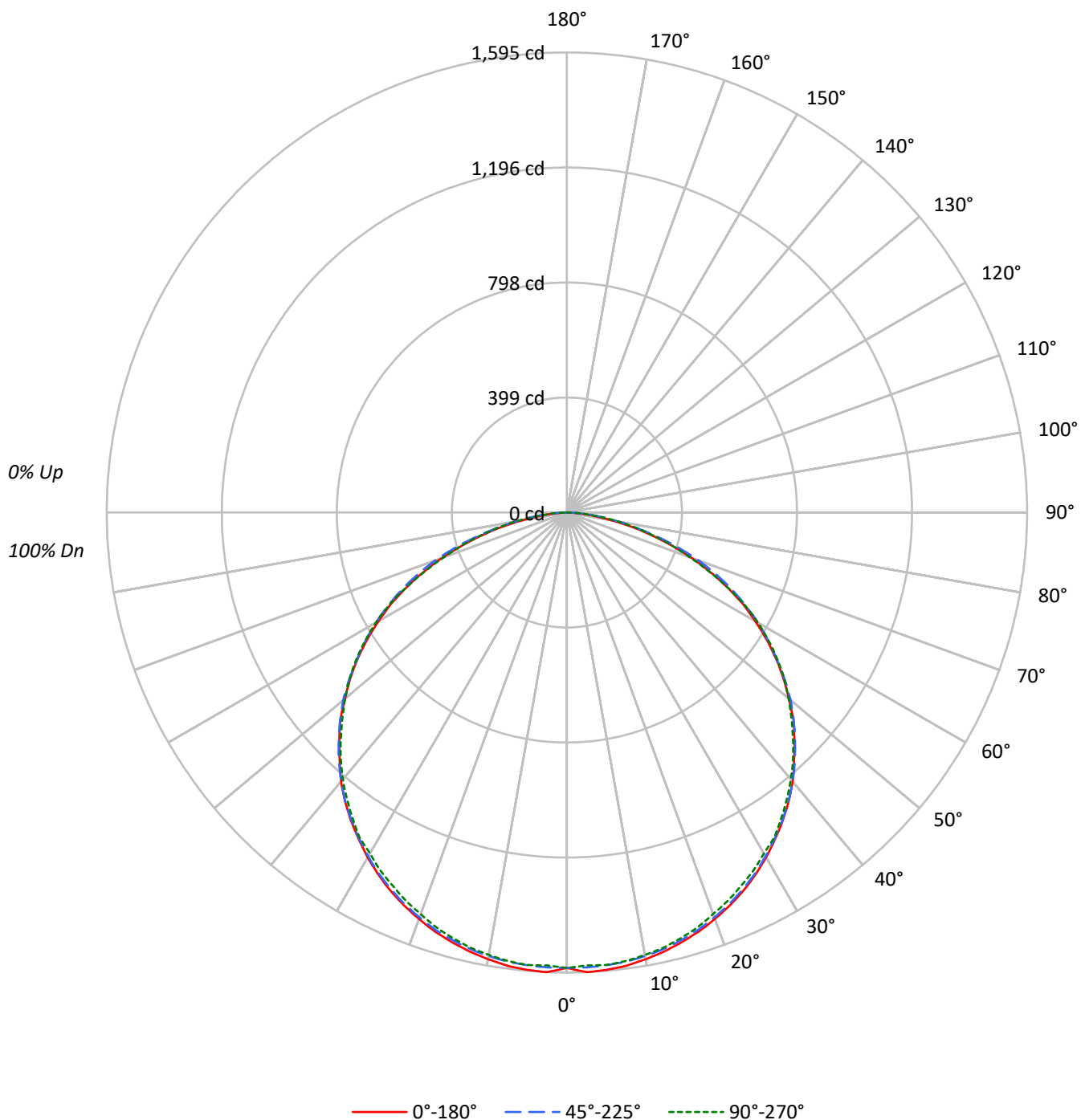
Lumens per Lamp: N/A
Luminaire Lumens: 4736.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 38
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12758	12758	12758
5°	12874	12467	12368
10°	12833	12194	11987
15°	12791	11920	11611
20°	12754	11628	11211
25°	12718	11334	10837
30°	12657	11020	10470
35°	12593	10693	10116
40°	12518	10343	9693
45°	12360	9928	9208
50°	12171	9476	8716
55°	11937	8872	8183
60°	11553	8257	7489
65°	10989	7459	6513
70°	10016	6409	5281
75°	8506	4890	4059
80°	6357	3221	2661
85°	3286	1568	1188

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12360 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.2
10°-20°	432.1	9.1
20°-30°	661.5	14.0
30°-40°	810.4	17.1
40°-50°	857.2	18.1
50°-60°	791.2	16.7
60°-70°	610.7	12.9
70°-80°	339.0	7.2
80°-90°	84.0	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°	1243.4	26.3
0°-40°	2053.9	43.4
0°-60°	3702.3	78.2
0°-90°	4736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1579	1579	1579	1579	1579	
5°	1591	1571	1576	1572	1575	151
15°	1542	1524	1535	1529	1528	435
25°	1447	1430	1442	1429	1428	667
35°	1304	1290	1302	1288	1295	816
45°	1115	1105	1118	1107	1108	861
55°	885	878	888	888	892	790
65°	613	607	631	627	615	605
75°	304	322	325	324	312	323
85°	48	71	72	73	68	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1578.8	1578.8	1578.8	1578.8	1578.8
2.5°	1595.3	1574.8	1578.8	1576.4	1571.7
5°	1591.4	1570.9	1575.6	1571.7	1574.8
7.5°	1585.1	1563.0	1570.9	1565.4	1568.5
10°	1572.5	1553.5	1561.4	1555.1	1557.5
12.5°	1559.1	1539.3	1550.4	1542.5	1545.7
15°	1541.7	1523.6	1534.6	1529.1	1527.5
17.5°	1522.8	1505.5	1516.5	1510.2	1507.8
20°	1499.9	1483.4	1493.6	1484.2	1481.8
22.5°	1474.7	1458.2	1470.0	1456.6	1457.4
25°	1447.1	1429.8	1441.6	1429.0	1428.2
27.5°	1415.6	1399.0	1411.7	1398.3	1399.8
30°	1380.9	1364.4	1377.0	1363.6	1365.2
32.5°	1343.1	1329.7	1340.7	1328.1	1336.8
35°	1304.5	1290.3	1302.1	1287.9	1295.0
37.5°	1262.7	1249.3	1261.9	1246.1	1252.4
40°	1217.8	1205.9	1217.0	1202.8	1208.3
42.5°	1165.7	1158.6	1169.7	1155.5	1160.2
45°	1115.3	1105.1	1118.5	1106.6	1108.2
47.5°	1064.9	1053.8	1066.4	1056.2	1055.4
50°	1004.2	1000.2	1012.0	1004.2	1003.4
52.5°	946.6	938.7	951.4	947.4	949.8
55°	885.1	878.1	888.3	887.5	892.2
57.5°	821.3	814.2	827.6	826.0	830.0
60°	753.5	748.0	765.3	761.4	764.6
62.5°	687.3	677.1	699.1	696.0	694.4
65°	613.2	606.9	630.6	626.6	614.8
67.5°	536.8	534.4	558.8	550.9	531.2
70°	460.3	461.9	485.5	470.6	454.0
72.5°	379.9	391.7	405.9	394.9	383.1
75°	304.2	322.4	324.7	323.9	312.1
77.5°	230.2	253.0	247.5	253.0	243.6
80°	160.8	186.0	182.1	186.8	178.9
82.5°	99.3	122.2	123.0	126.1	119.0
85°	48.1	70.9	72.5	73.3	67.8
87.5°	10.2	33.1	33.9	31.5	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)