

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: P1213459

Luminaire Tested: 4SNLED-LD5-52SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213459
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

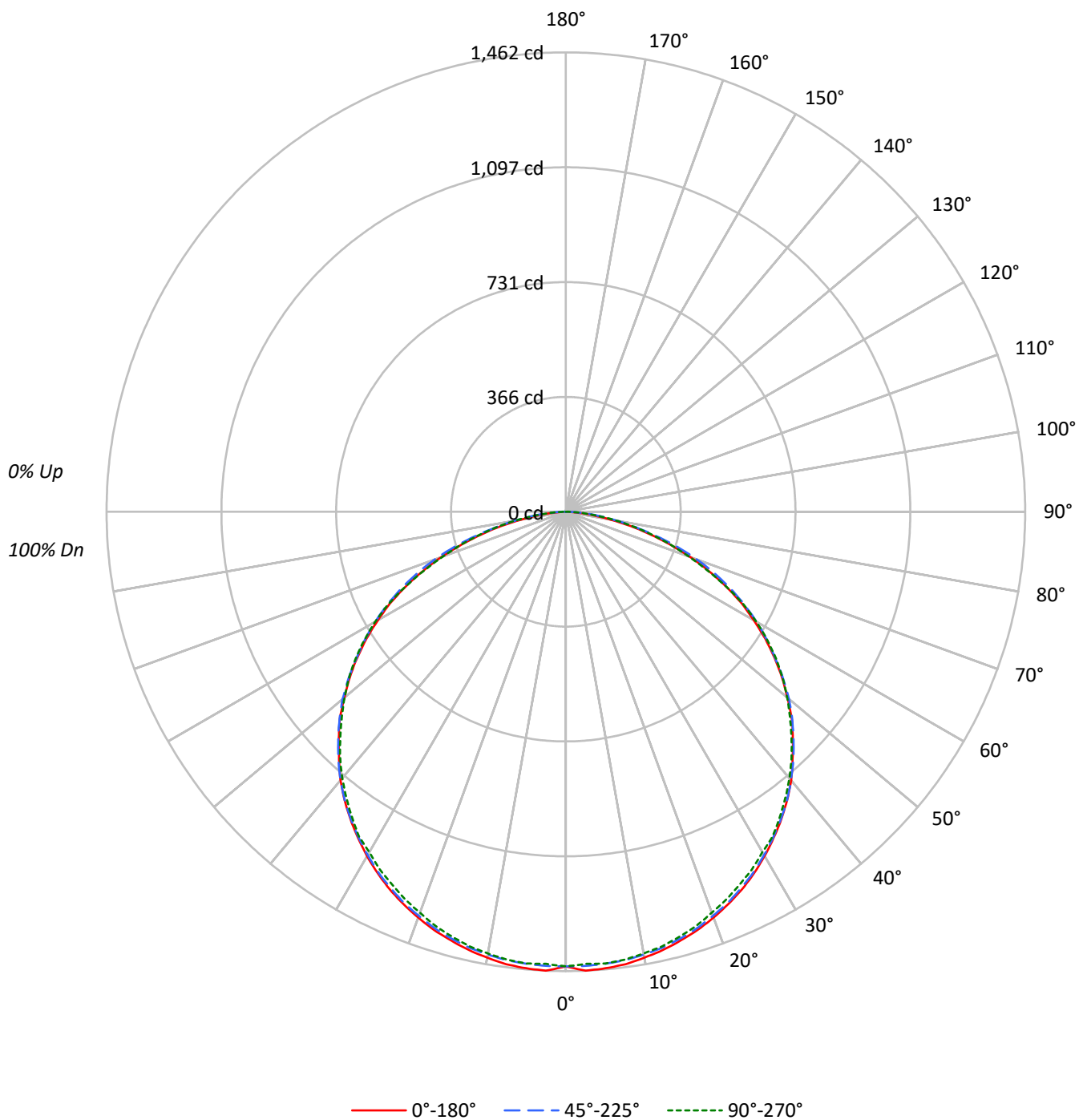
Lumens per Lamp: N/A
Luminaire Lumens: 4340.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	11691	11691	11691
5°	11797	11425	11334
10°	11760	11175	10984
15°	11721	10924	10641
20°	11687	10655	10274
25°	11654	10387	9931
30°	11599	10098	9594
35°	11540	9798	9270
40°	11471	9478	8883
45°	11326	9097	8438
50°	11153	8684	7987
55°	10939	8130	7499
60°	10587	7566	6862
65°	10069	6834	5968
70°	9178	5873	4839
75°	7796	4482	3719
80°	5823	2951	2439
85°	3013	1438	1088

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	3.2
10°-20°	396.0	9.1
20°-30°	606.2	14.0
30°-40°	742.7	17.1
40°-50°	785.5	18.1
50°-60°	725.1	16.7
60°-70°	559.6	12.9
70°-80°	310.6	7.2
80°-90°	77.0	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°	1139.5	26.3
0°-40°	1882.1	43.4
0°-60°	3392.8	78.2
0°-90°	4340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1447	1447	1447	1447	1447	
5°	1458	1440	1444	1440	1443	139
15°	1413	1396	1406	1401	1400	399
25°	1326	1310	1321	1310	1309	611
35°	1195	1182	1193	1180	1187	748
45°	1022	1013	1025	1014	1016	789
55°	811	805	814	813	818	724
65°	562	556	578	574	563	554
75°	279	295	298	297	286	296
85°	44	65	66	67	62	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1446.7	1446.7	1446.7	1446.7	1446.7
2.5°	1461.9	1443.1	1446.7	1444.6	1440.2
5°	1458.3	1439.5	1443.9	1440.2	1443.1
7.5°	1452.5	1432.3	1439.5	1434.5	1437.4
10°	1441.0	1423.6	1430.9	1425.1	1427.2
12.5°	1428.7	1410.6	1420.7	1413.5	1416.4
15°	1412.8	1396.2	1406.3	1401.2	1399.8
17.5°	1395.5	1379.6	1389.7	1383.9	1381.7
20°	1374.5	1359.4	1368.7	1360.1	1357.9
22.5°	1351.4	1336.2	1347.1	1334.8	1335.5
25°	1326.1	1310.2	1321.1	1309.5	1308.8
27.5°	1297.2	1282.1	1293.6	1281.3	1282.8
30°	1265.5	1250.3	1261.8	1249.6	1251.0
32.5°	1230.8	1218.5	1228.6	1217.1	1225.0
35°	1195.4	1182.4	1193.2	1180.2	1186.7
37.5°	1157.1	1144.8	1156.4	1141.9	1147.7
40°	1115.9	1105.1	1115.2	1102.2	1107.3
42.5°	1068.3	1061.8	1071.9	1058.9	1063.2
45°	1022.0	1012.7	1024.9	1014.1	1015.5
47.5°	975.8	965.7	977.3	967.9	967.1
50°	920.2	916.6	927.4	920.2	919.5
52.5°	867.5	860.2	871.8	868.2	870.4
55°	811.1	804.6	814.0	813.3	817.6
57.5°	752.6	746.1	758.4	757.0	760.6
60°	690.5	685.5	701.3	697.7	700.6
62.5°	629.8	620.4	640.7	637.8	636.3
65°	561.9	556.2	577.8	574.2	563.4
67.5°	491.9	489.7	512.1	504.9	486.8
70°	421.8	423.3	444.9	431.2	416.0
72.5°	348.1	359.0	372.0	361.9	351.0
75°	278.8	295.4	297.6	296.9	286.0
77.5°	210.9	231.9	226.8	231.9	223.2
80°	147.3	170.5	166.8	171.2	164.0
82.5°	91.0	112.0	112.7	115.6	109.1
85°	44.1	65.0	66.5	67.2	62.1
87.5°	9.4	30.3	31.1	28.9	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)