

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: P1213810

Luminaire Tested: 4SNLED-LD5-52SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213810
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

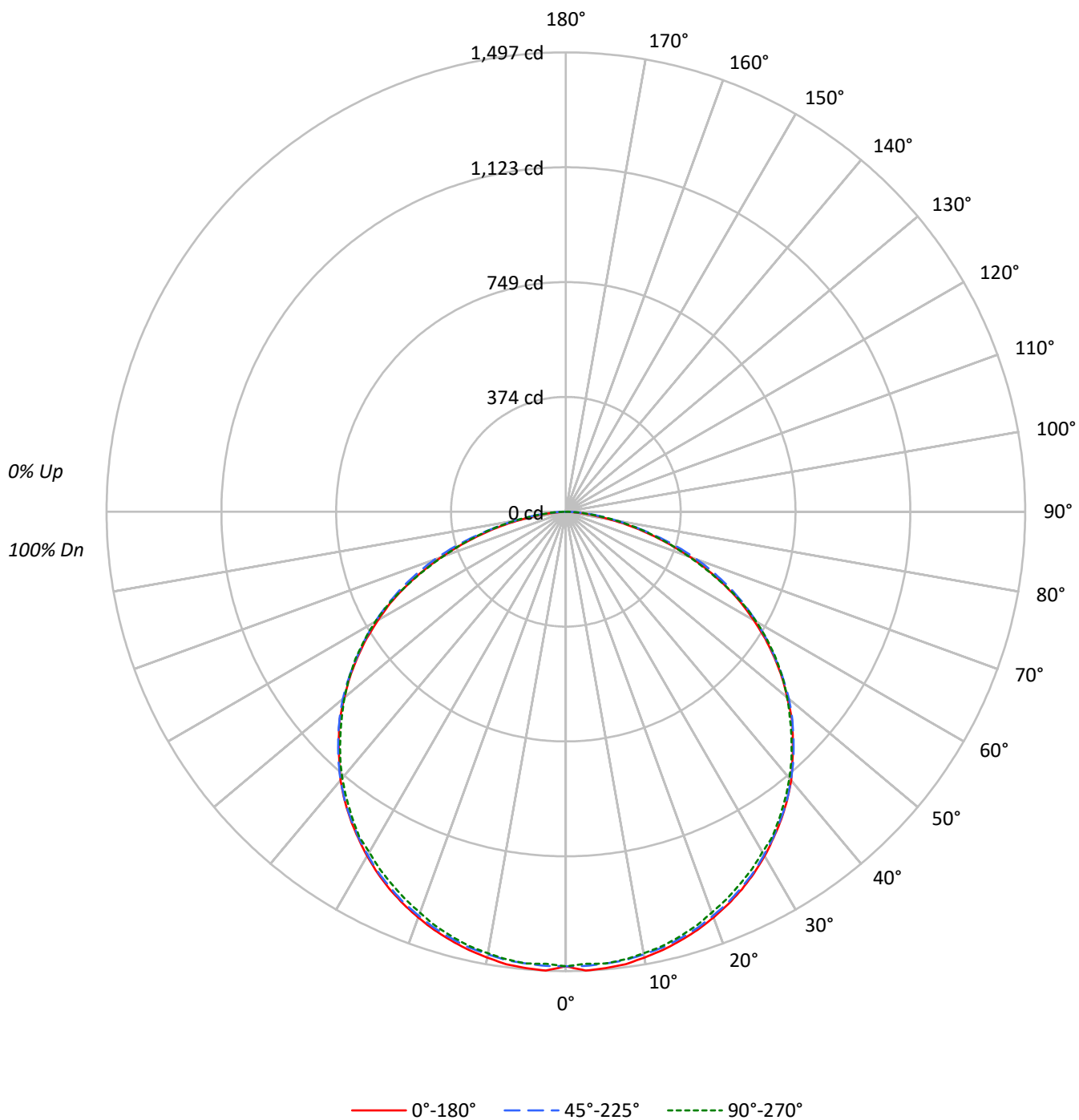
Lumens per Lamp: N/A
Luminaire Lumens: 4443.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	11969	11969	11969
5°	12077	11696	11603
10°	12039	11440	11245
15°	11999	11183	10893
20°	11964	10908	10517
25°	11931	10633	10167
30°	11874	10338	9822
35°	11814	10031	9491
40°	11743	9703	9094
45°	11595	9314	8638
50°	11417	8890	8176
55°	11200	8323	7677
60°	10838	7746	7025
65°	10310	6996	6110
70°	9396	6013	4954
75°	7980	4588	3808
80°	5961	3021	2497
85°	3081	1471	1115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	3.2
10°-20°	405.4	9.1
20°-30°	620.6	14.0
30°-40°	760.3	17.1
40°-50°	804.2	18.1
50°-60°	742.3	16.7
60°-70°	572.9	12.9
70°-80°	318.0	7.2
80°-90°	78.8	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°	1166.5	26.3
0°-40°	1926.8	43.4
0°-60°	3473.3	78.2
0°-90°	4443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1481	1481	1481	1481	1481	
5°	1493	1474	1478	1474	1477	142
15°	1446	1429	1440	1434	1433	409
25°	1358	1341	1352	1341	1340	626
35°	1224	1210	1222	1208	1215	766
45°	1046	1037	1049	1038	1040	807
55°	830	824	833	833	837	741
65°	575	569	592	588	577	567
75°	285	302	305	304	293	303
85°	45	66	68	69	64	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1481.1	1481.1	1481.1	1481.1	1481.1
2.5°	1496.6	1477.4	1481.1	1478.9	1474.4
5°	1492.9	1473.7	1478.1	1474.4	1477.4
7.5°	1487.0	1466.3	1473.7	1468.5	1471.5
10°	1475.2	1457.4	1464.8	1458.9	1461.1
12.5°	1462.6	1444.1	1454.5	1447.1	1450.0
15°	1446.3	1429.3	1439.7	1434.5	1433.0
17.5°	1428.6	1412.3	1422.7	1416.8	1414.5
20°	1407.1	1391.6	1401.2	1392.4	1390.1
22.5°	1383.5	1368.0	1379.0	1366.5	1367.2
25°	1357.6	1341.3	1352.4	1340.6	1339.9
27.5°	1328.0	1312.5	1324.3	1311.8	1313.2
30°	1295.5	1280.0	1291.8	1279.2	1280.7
32.5°	1260.0	1247.4	1257.8	1245.9	1254.1
35°	1223.8	1210.5	1221.5	1208.2	1214.9
37.5°	1184.6	1172.0	1183.8	1169.0	1175.0
40°	1142.4	1131.3	1141.7	1128.4	1133.6
42.5°	1093.6	1087.0	1097.3	1084.0	1088.4
45°	1046.3	1036.7	1049.3	1038.2	1039.6
47.5°	999.0	988.6	1000.5	990.8	990.1
50°	942.0	938.3	949.4	942.0	941.3
52.5°	888.1	880.7	892.5	888.8	891.0
55°	830.4	823.7	833.3	832.6	837.0
57.5°	770.5	763.8	776.4	774.9	778.6
60°	706.9	701.7	718.0	714.3	717.3
62.5°	644.8	635.2	655.9	652.9	651.4
65°	575.3	569.4	591.5	587.8	576.8
67.5°	503.6	501.3	524.3	516.9	498.4
70°	431.8	433.3	455.5	441.4	425.9
72.5°	356.4	367.5	380.8	370.5	359.4
75°	285.4	302.4	304.6	303.9	292.8
77.5°	215.9	237.4	232.2	237.4	228.5
80°	150.8	174.5	170.8	175.2	167.9
82.5°	93.2	114.6	115.4	118.3	111.7
85°	45.1	66.5	68.0	68.8	63.6
87.5°	9.6	31.1	31.8	29.6	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)