

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: P1213108

Luminaire Tested: 4SNLED-LD5-52SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213108
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-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

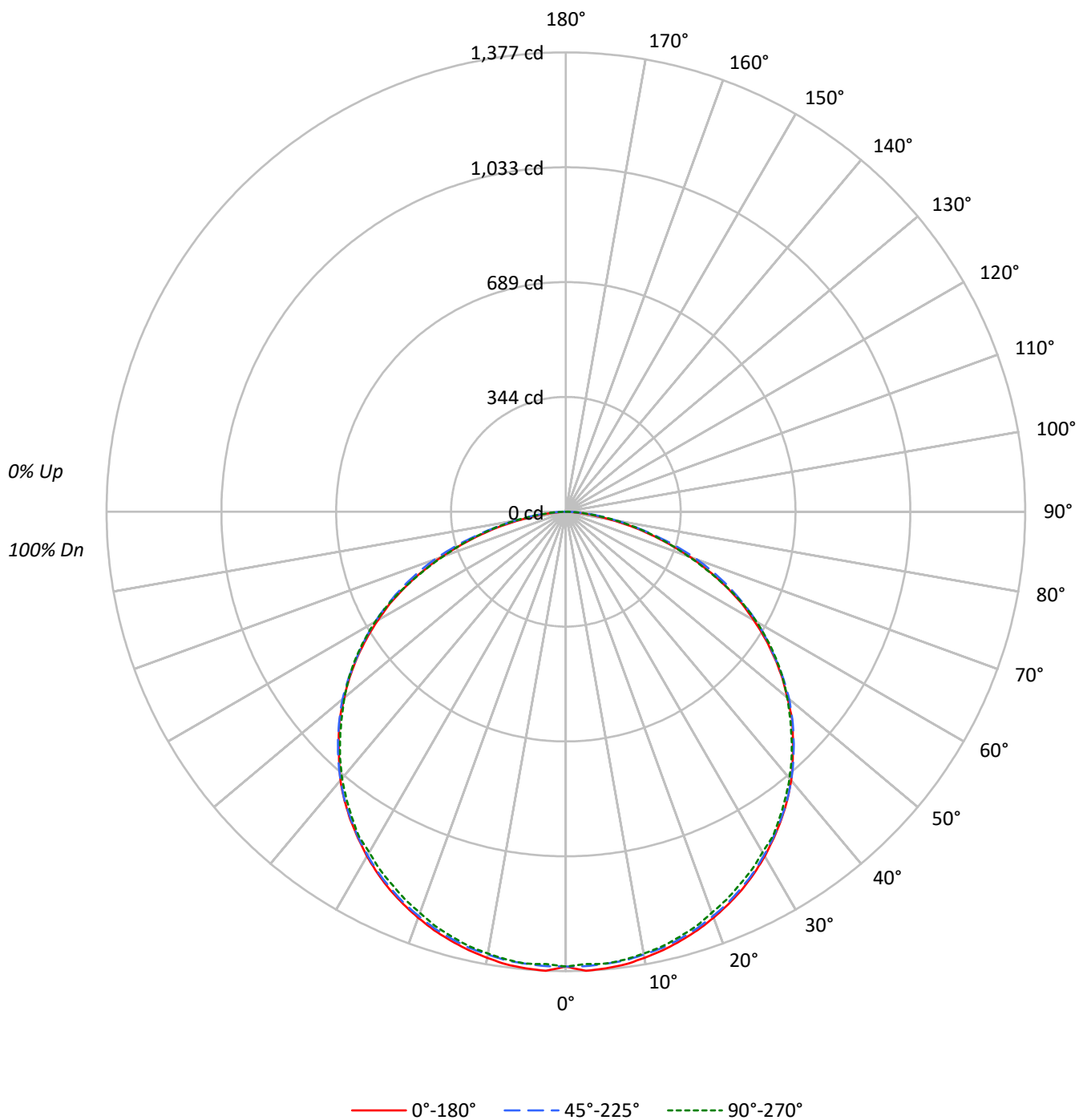
Lumens per Lamp: N/A
Luminaire Lumens: 4089.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	11015	11015	11015
5°	11115	10765	10679
10°	11079	10528	10349
15°	11044	10292	10025
20°	11011	10039	9680
25°	10980	9786	9357
30°	10928	9514	9040
35°	10873	9232	8734
40°	10808	8929	8369
45°	10671	8572	7950
50°	10508	8182	7525
55°	10307	7659	7065
60°	9975	7129	6465
65°	9487	6439	5623
70°	8647	5533	4560
75°	7346	4223	3505
80°	5487	2781	2298
85°	2835	1354	1025

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10671 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	3.2
10°-20°	373.1	9.1
20°-30°	571.1	14.0
30°-40°	699.7	17.1
40°-50°	740.1	18.1
50°-60°	683.2	16.7
60°-70°	527.3	12.9
70°-80°	292.7	7.2
80°-90°	72.5	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°	1073.6	26.3
0°-40°	1773.3	43.4
0°-60°	3196.6	78.2
0°-90°	4089.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4089.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1363	1363	1363	1363	1363	
5°	1374	1356	1360	1357	1360	131
15°	1331	1315	1325	1320	1319	376
25°	1249	1234	1245	1234	1233	576
35°	1126	1114	1124	1112	1118	705
45°	963	954	966	955	957	743
55°	764	758	767	766	770	682
65°	529	524	544	541	531	522
75°	263	278	280	280	270	279
85°	42	61	63	63	58	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1363.1	1363.1	1363.1	1363.1	1363.1
2.5°	1377.4	1359.7	1363.1	1361.0	1357.0
5°	1374.0	1356.3	1360.4	1357.0	1359.7
7.5°	1368.5	1349.5	1356.3	1351.5	1354.2
10°	1357.6	1341.3	1348.1	1342.7	1344.7
12.5°	1346.1	1329.1	1338.6	1331.8	1334.5
15°	1331.1	1315.4	1325.0	1320.2	1318.8
17.5°	1314.8	1299.8	1309.3	1303.9	1301.8
20°	1295.0	1280.7	1289.6	1281.4	1279.4
22.5°	1273.2	1259.0	1269.2	1257.6	1258.3
25°	1249.4	1234.5	1244.7	1233.8	1233.1
27.5°	1222.2	1207.9	1218.8	1207.2	1208.6
30°	1192.3	1178.0	1188.9	1177.3	1178.7
32.5°	1159.6	1148.0	1157.6	1146.7	1154.2
35°	1126.3	1114.0	1124.2	1112.0	1118.1
37.5°	1090.2	1078.6	1089.5	1075.9	1081.3
40°	1051.4	1041.2	1050.7	1038.5	1043.2
42.5°	1006.5	1000.4	1009.9	997.6	1001.7
45°	962.9	954.1	965.7	955.4	956.8
47.5°	919.4	909.9	920.7	911.9	911.2
50°	867.0	863.6	873.8	867.0	866.3
52.5°	817.3	810.5	821.4	818.0	820.0
55°	764.2	758.1	766.9	766.3	770.3
57.5°	709.1	703.0	714.5	713.2	716.6
60°	650.6	645.8	660.8	657.4	660.1
62.5°	593.4	584.6	603.6	600.9	599.5
65°	529.4	524.0	544.4	541.0	530.8
67.5°	463.4	461.4	482.5	475.7	458.7
70°	397.4	398.8	419.2	406.3	392.0
72.5°	328.0	338.2	350.5	340.9	330.7
75°	262.7	278.3	280.4	279.7	269.5
77.5°	198.7	218.4	213.7	218.4	210.3
80°	138.8	160.6	157.2	161.3	154.5
82.5°	85.7	105.5	106.2	108.9	102.8
85°	41.5	61.2	62.6	63.3	58.5
87.5°	8.8	28.6	29.3	27.2	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)