

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: P1213794

Luminaire Tested: 4SNLED-LD5-48SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213794
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-LD5-48SL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

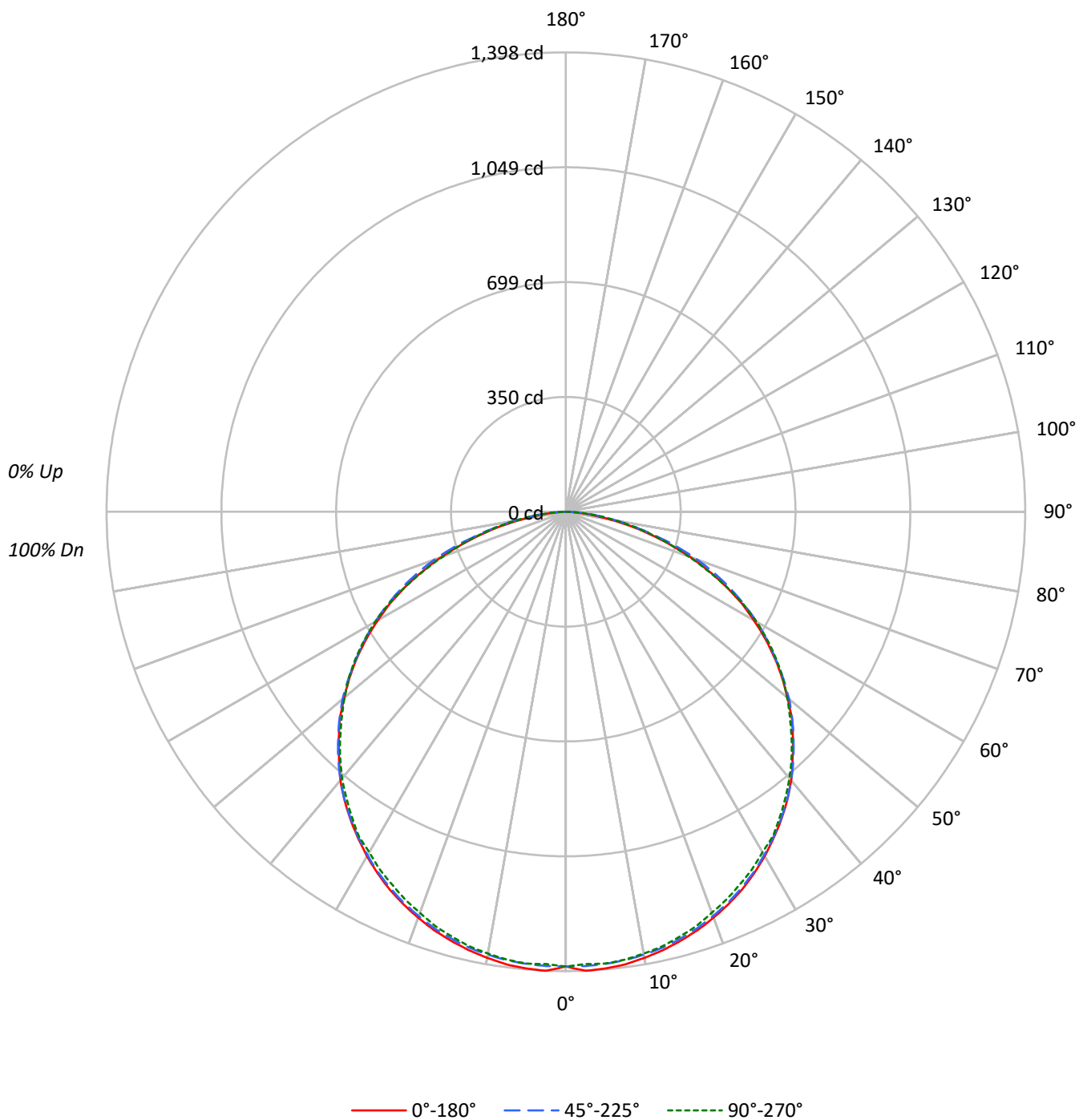
Lumens per Lamp: N/A
Luminaire Lumens: 4151.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 35
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°	11182	11182	11182
5°	11284	10928	10841
10°	11247	10688	10506
15°	11211	10448	10177
20°	11179	10191	9827
25°	11147	9934	9499
30°	11093	9658	9176
35°	11037	9372	8866
40°	10971	9065	8496
45°	10833	8701	8071
50°	10667	8305	7639
55°	10463	7776	7172
60°	10125	7237	6563
65°	9632	6537	5709
70°	8778	5618	4628
75°	7457	4286	3558
80°	5570	2823	2332
85°	2876	1376	1041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10833 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	3.2
10°-20°	378.7	9.1
20°-30°	579.8	14.0
30°-40°	710.3	17.1
40°-50°	751.3	18.1
50°-60°	693.5	16.7
60°-70°	535.3	12.9
70°-80°	297.1	7.2
80°-90°	73.6	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°	1089.8	26.3
0°-40°	1800.2	43.4
0°-60°	3245.0	78.2
0°-90°	4151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1395	1377	1381	1378	1380	133
15°	1351	1335	1345	1340	1339	382
25°	1268	1253	1264	1252	1252	585
35°	1143	1131	1141	1129	1135	715
45°	978	969	980	970	971	754
55°	776	770	779	778	782	692
65°	538	532	553	549	539	530
75°	267	283	285	284	274	283
85°	42	62	64	64	59	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1383.7	1383.7	1383.7	1383.7	1383.7
2.5°	1398.3	1380.3	1383.7	1381.7	1377.5
5°	1394.8	1376.8	1381.0	1377.5	1380.3
7.5°	1389.3	1369.9	1376.8	1372.0	1374.8
10°	1378.2	1361.6	1368.5	1363.0	1365.1
12.5°	1366.5	1349.2	1358.9	1352.0	1354.7
15°	1351.3	1335.4	1345.1	1340.2	1338.8
17.5°	1334.7	1319.5	1329.2	1323.6	1321.6
20°	1314.7	1300.2	1309.1	1300.8	1298.8
22.5°	1292.6	1278.0	1288.4	1276.7	1277.4
25°	1268.4	1253.2	1263.5	1252.5	1251.8
27.5°	1240.7	1226.2	1237.3	1225.5	1226.9
30°	1210.3	1195.8	1206.9	1195.1	1196.5
32.5°	1177.2	1165.4	1175.1	1164.1	1171.7
35°	1143.3	1130.9	1141.3	1128.8	1135.0
37.5°	1106.7	1095.0	1106.0	1092.2	1097.7
40°	1067.3	1057.0	1066.7	1054.2	1059.1
42.5°	1021.7	1015.5	1025.2	1012.8	1016.9
45°	977.5	968.6	980.3	969.9	971.3
47.5°	933.3	923.6	934.7	925.7	925.0
50°	880.1	876.7	887.0	880.1	879.4
52.5°	829.7	822.8	833.8	830.4	832.5
55°	775.8	769.6	778.6	777.9	782.0
57.5°	719.9	713.6	725.4	724.0	727.5
60°	660.4	655.6	670.8	667.3	670.1
62.5°	602.4	593.4	612.8	610.0	608.6
65°	537.5	531.9	552.7	549.2	538.9
67.5°	470.5	468.4	489.8	482.9	465.6
70°	403.4	404.8	425.6	412.4	397.9
72.5°	333.0	343.3	355.8	346.1	335.7
75°	266.7	282.6	284.6	283.9	273.6
77.5°	201.7	221.8	216.9	221.8	213.5
80°	140.9	163.0	159.6	163.7	156.8
82.5°	87.0	107.1	107.8	110.5	104.3
85°	42.1	62.2	63.6	64.2	59.4
87.5°	9.0	29.0	29.7	27.6	24.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)