

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: P1213443

Luminaire Tested: 4SNLED-LD5-48SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213443
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

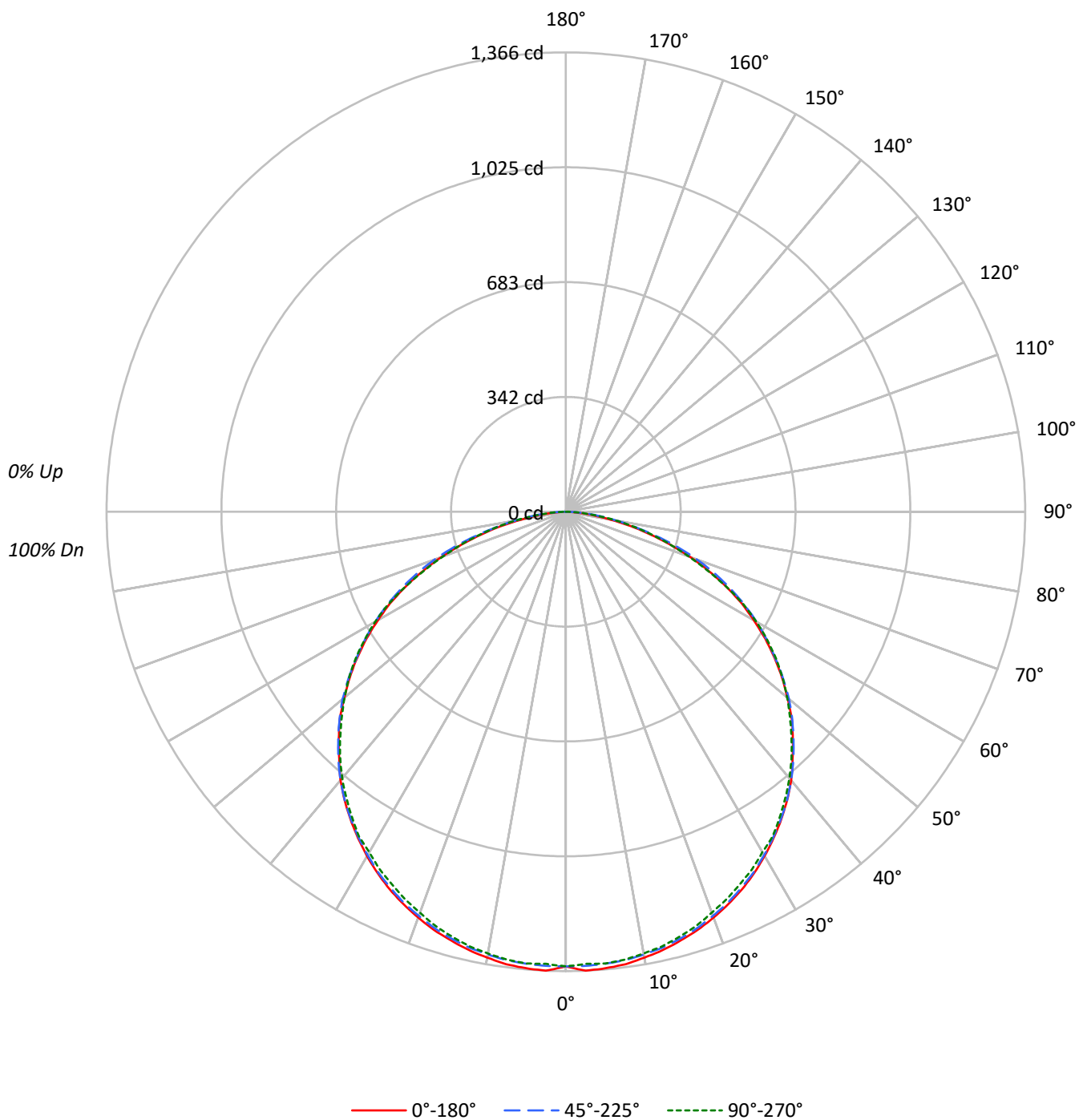
Lumens per Lamp: N/A
Luminaire Lumens: 4055.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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°	10923	10923	10923
5°	11022	10674	10590
10°	10987	10441	10263
15°	10952	10207	9942
20°	10920	9956	9599
25°	10889	9704	9279
30°	10838	9435	8964
35°	10782	9155	8662
40°	10718	8856	8300
45°	10582	8500	7885
50°	10421	8113	7462
55°	10222	7597	7006
60°	9892	7070	6411
65°	9408	6386	5576
70°	8575	5487	4521
75°	7284	4187	3475
80°	5443	2758	2279
85°	2815	1343	1016

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	3.2
10°-20°	370.0	9.1
20°-30°	566.4	14.0
30°-40°	693.9	17.1
40°-50°	734.0	18.1
50°-60°	677.5	16.7
60°-70°	522.9	12.9
70°-80°	290.2	7.2
80°-90°	71.9	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°	1064.6	26.3
0°-40°	1758.6	43.4
0°-60°	3170.0	78.2
0°-90°	4055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4055.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1352	1352	1352	1352	1352	
5°	1362	1345	1349	1346	1348	130
15°	1320	1304	1314	1309	1308	373
25°	1239	1224	1234	1224	1223	571
35°	1117	1105	1115	1103	1109	699
45°	955	946	958	948	949	737
55°	758	752	761	760	764	676
65°	525	520	540	536	526	518
75°	260	276	278	277	267	276
85°	41	61	62	63	58	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1351.7	1351.7	1351.7	1351.7	1351.7
2.5°	1365.9	1348.4	1351.7	1349.7	1345.7
5°	1362.5	1345.0	1349.0	1345.7	1348.4
7.5°	1357.1	1338.2	1345.0	1340.3	1343.0
10°	1346.3	1330.1	1336.9	1331.5	1333.5
12.5°	1334.9	1318.0	1327.4	1320.7	1323.4
15°	1320.0	1304.5	1314.0	1309.2	1307.9
17.5°	1303.8	1289.0	1298.4	1293.0	1291.0
20°	1284.3	1270.1	1278.9	1270.8	1268.7
22.5°	1262.7	1248.5	1258.6	1247.1	1247.8
25°	1239.0	1224.2	1234.3	1223.5	1222.8
27.5°	1212.0	1197.9	1208.7	1197.2	1198.6
30°	1182.4	1168.2	1179.0	1167.5	1168.9
32.5°	1150.0	1138.5	1147.9	1137.1	1144.6
35°	1116.9	1104.7	1114.9	1102.7	1108.8
37.5°	1081.1	1069.7	1080.5	1067.0	1072.4
40°	1042.7	1032.5	1042.0	1029.8	1034.6
42.5°	998.1	992.0	1001.5	989.3	993.4
45°	954.9	946.2	957.6	947.5	948.9
47.5°	911.7	902.3	913.1	904.3	903.6
50°	859.8	856.4	866.5	859.8	859.1
52.5°	810.5	803.8	814.6	811.2	813.2
55°	757.9	751.8	760.6	759.9	763.9
57.5°	703.2	697.1	708.6	707.3	710.6
60°	645.2	640.4	655.3	651.9	654.6
62.5°	588.5	579.7	598.6	595.9	594.6
65°	525.0	519.6	539.9	536.5	526.4
67.5°	459.6	457.6	478.5	471.7	454.9
70°	394.1	395.5	415.7	402.9	388.7
72.5°	325.3	335.4	347.6	338.1	328.0
75°	260.5	276.0	278.0	277.4	267.2
77.5°	197.1	216.6	211.9	216.6	208.5
80°	137.7	159.3	155.9	159.9	153.2
82.5°	85.0	104.6	105.3	108.0	101.9
85°	41.2	60.7	62.1	62.8	58.0
87.5°	8.8	28.3	29.0	27.0	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)