

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: P1214145

Luminaire Tested: 4SNLED-LD5-48SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214145
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

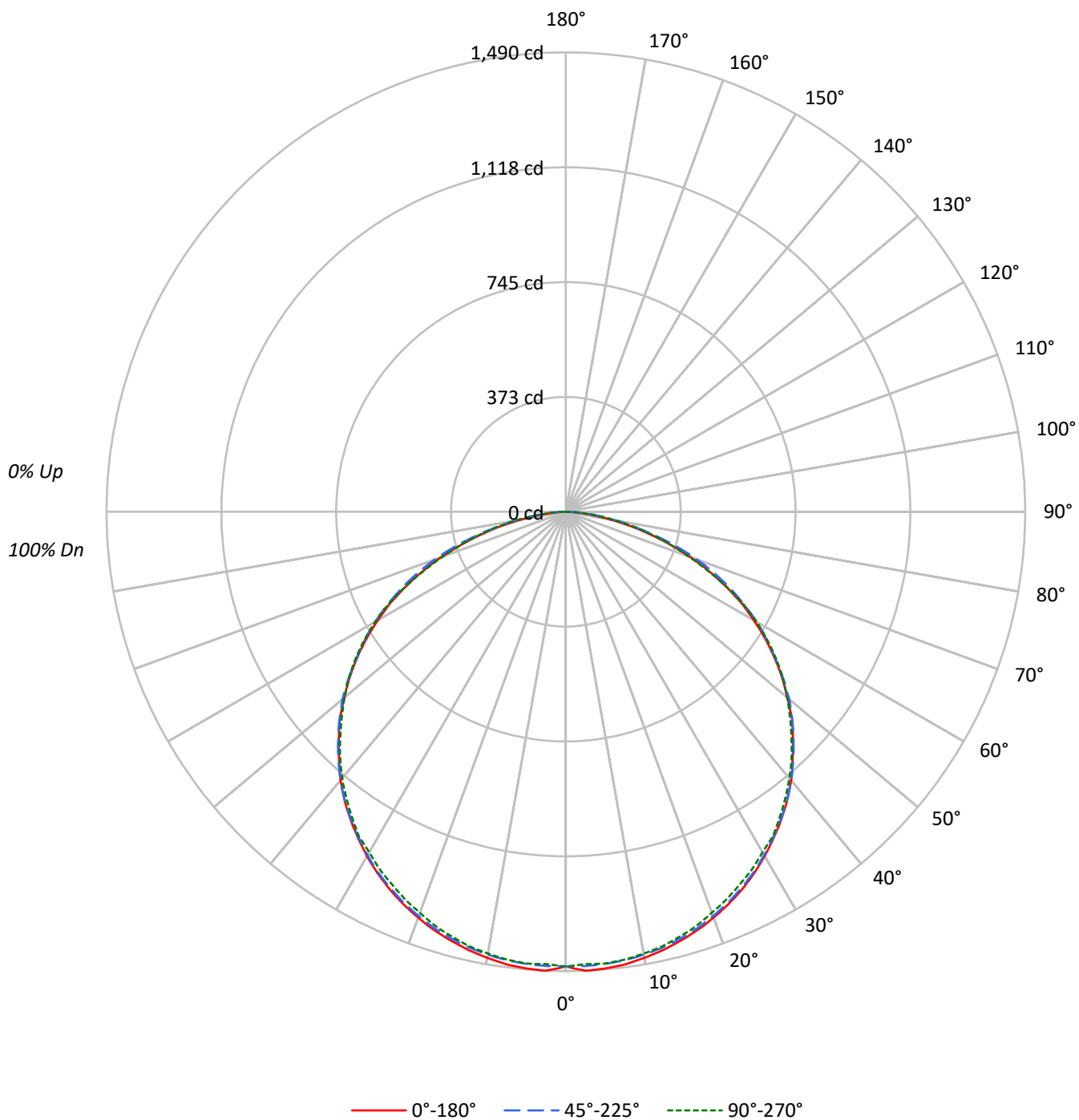
Lumens per Lamp: N/A
Luminaire Lumens: 4424.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	11918	11918	11918
5°	12025	11646	11554
10°	11987	11391	11197
15°	11948	11135	10847
20°	11913	10862	10473
25°	11880	10587	10123
30°	11823	10294	9780
35°	11763	9988	9450
40°	11693	9661	9055
45°	11545	9274	8602
50°	11369	8852	8141
55°	11151	8288	7645
60°	10792	7713	6995
65°	10265	6967	6084
70°	9356	5986	4933
75°	7947	4568	3792
80°	5938	3009	2485
85°	3067	1464	1109

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11545 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	3.2
10°-20°	403.7	9.1
20°-30°	617.9	14.0
30°-40°	757.1	17.1
40°-50°	800.7	18.1
50°-60°	739.1	16.7
60°-70°	570.5	12.9
70°-80°	316.6	7.2
80°-90°	78.4	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°	1161.5	26.3
0°-40°	1918.6	43.4
0°-60°	3458.4	78.2
0°-90°	4424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1475	1475	1475	1475	1475	
5°	1486	1467	1472	1468	1471	141
15°	1440	1423	1434	1428	1427	407
25°	1352	1336	1347	1335	1334	623
35°	1218	1205	1216	1203	1210	762
45°	1042	1032	1045	1034	1035	804
55°	827	820	830	829	834	738
65°	573	567	589	585	574	565
75°	284	301	303	303	292	302
85°	45	66	68	68	63	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1474.8	1474.8	1474.8	1474.8	1474.8
2.5°	1490.2	1471.1	1474.8	1472.5	1468.1
5°	1486.5	1467.4	1471.8	1468.1	1471.1
7.5°	1480.6	1460.0	1467.4	1462.2	1465.2
10°	1468.9	1451.2	1458.6	1452.7	1454.9
12.5°	1456.3	1437.9	1448.2	1440.9	1443.8
15°	1440.1	1423.2	1433.5	1428.4	1426.9
17.5°	1422.5	1406.3	1416.6	1410.7	1408.5
20°	1401.1	1385.7	1395.2	1386.4	1384.2
22.5°	1377.6	1362.1	1373.1	1360.6	1361.4
25°	1351.8	1335.6	1346.6	1334.9	1334.1
27.5°	1322.3	1306.9	1318.7	1306.1	1307.6
30°	1289.9	1274.5	1286.3	1273.7	1275.2
32.5°	1254.6	1242.1	1252.4	1240.6	1248.7
35°	1218.5	1205.3	1216.3	1203.1	1209.7
37.5°	1179.5	1167.0	1178.8	1164.0	1169.9
40°	1137.5	1126.5	1136.8	1123.6	1128.7
42.5°	1088.9	1082.3	1092.6	1079.4	1083.8
45°	1041.8	1032.3	1044.8	1033.7	1035.2
47.5°	994.7	984.4	996.2	986.6	985.9
50°	938.0	934.3	945.4	938.0	937.3
52.5°	884.3	876.9	888.7	885.0	887.2
55°	826.8	820.2	829.8	829.0	833.5
57.5°	767.2	760.6	773.1	771.6	775.3
60°	703.9	698.7	714.9	711.2	714.2
62.5°	642.0	632.5	653.1	650.1	648.7
65°	572.8	566.9	589.0	585.3	574.3
67.5°	501.4	499.2	522.0	514.7	496.2
70°	430.0	431.5	453.5	439.6	424.1
72.5°	354.9	365.9	379.2	368.9	357.8
75°	284.2	301.1	303.3	302.6	291.6
77.5°	215.0	236.3	231.2	236.3	227.5
80°	150.2	173.8	170.1	174.5	167.1
82.5°	92.8	114.1	114.9	117.8	111.2
85°	44.9	66.3	67.7	68.5	63.3
87.5°	9.6	30.9	31.7	29.5	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)