

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: P1213841

Luminaire Tested: 4SNLED-LD5-60SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213841
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-LD5-60SL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

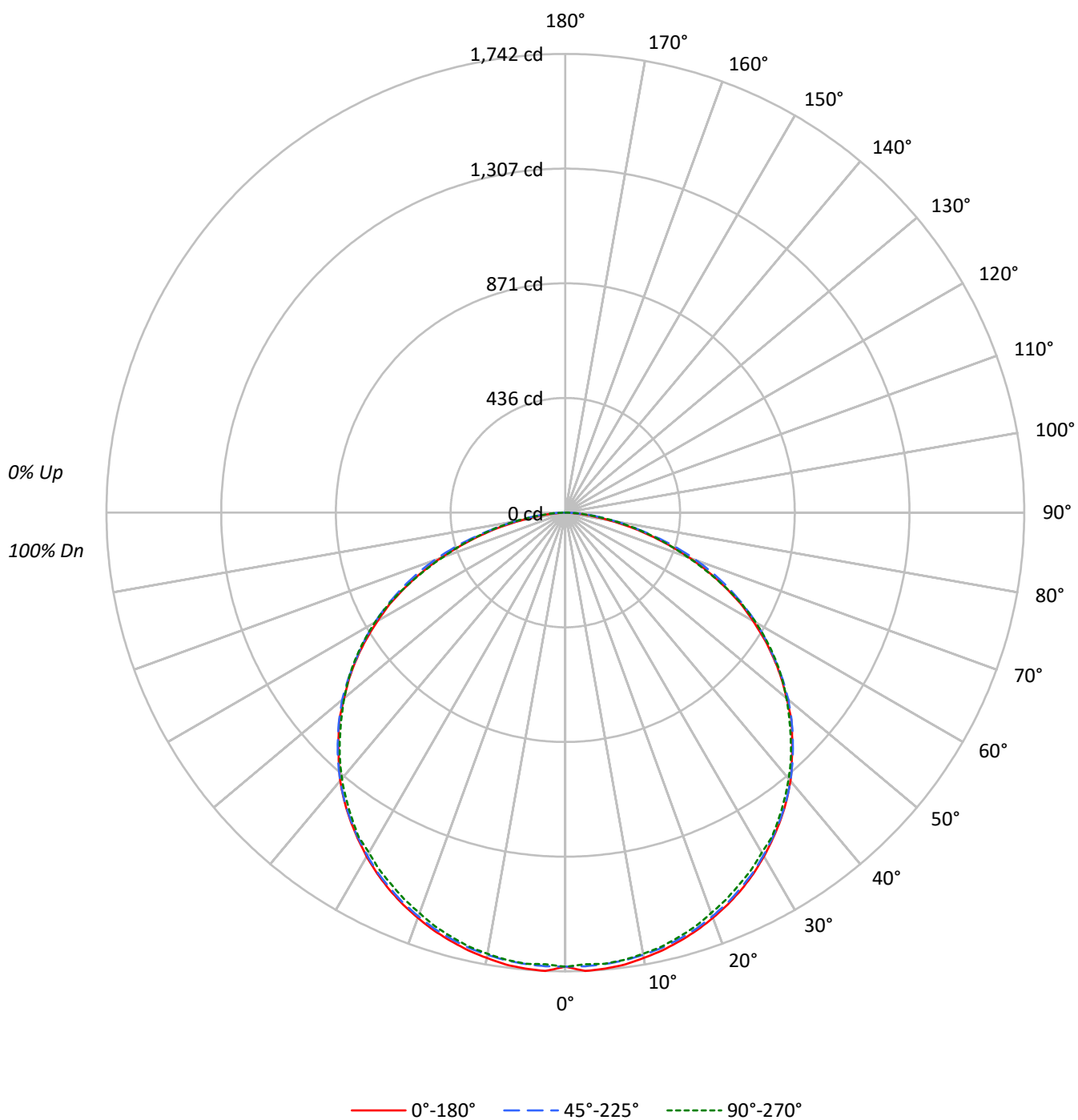
Lumens per Lamp: N/A
Luminaire Lumens: 5172.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 46
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°	13932	13932	13932
5°	14059	13616	13507
10°	14014	13317	13091
15°	13968	13018	12680
20°	13928	12698	12243
25°	13889	12378	11835
30°	13822	12034	11433
35°	13753	11677	11047
40°	13671	11295	10585
45°	13498	10841	10056
50°	13291	10348	9517
55°	13036	9689	8937
60°	12617	9017	8177
65°	12001	8145	7113
70°	10938	6999	5767
75°	9292	5341	4433
80°	6942	3517	2906
85°	3587	1713	1297

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13498 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	3.2
10°-20°	471.9	9.1
20°-30°	722.4	14.0
30°-40°	885.1	17.1
40°-50°	936.1	18.1
50°-60°	864.1	16.7
60°-70°	666.9	12.9
70°-80°	370.2	7.2
80°-90°	91.7	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°	1357.9	26.3
0°-40°	2243.0	43.4
0°-60°	4043.2	78.2
0°-90°	5172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5172.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1724	1724	1724	1724	1724	
5°	1738	1716	1721	1716	1720	165
15°	1684	1664	1676	1670	1668	476
25°	1580	1561	1574	1561	1560	728
35°	1425	1409	1422	1406	1414	891
45°	1218	1207	1221	1208	1210	940
55°	967	959	970	969	974	863
65°	670	663	689	684	671	660
75°	332	352	355	354	341	353
85°	52	78	79	80	74	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1724.1	1724.1	1724.1	1724.1	1724.1
2.5°	1742.2	1719.8	1724.1	1721.5	1716.4
5°	1737.9	1715.5	1720.7	1716.4	1719.8
7.5°	1731.0	1706.9	1715.5	1709.5	1712.9
10°	1717.2	1696.6	1705.2	1698.3	1700.9
12.5°	1702.6	1681.1	1693.1	1684.5	1687.9
15°	1683.6	1663.8	1675.9	1669.9	1668.1
17.5°	1663.0	1644.0	1656.1	1649.2	1646.6
20°	1638.0	1619.9	1631.1	1620.8	1618.2
22.5°	1610.5	1592.4	1605.3	1590.7	1591.5
25°	1580.4	1561.4	1574.3	1560.6	1559.7
27.5°	1545.9	1527.8	1541.6	1527.0	1528.7
30°	1508.0	1490.0	1503.7	1489.1	1490.8
32.5°	1466.7	1452.1	1464.2	1450.4	1459.8
35°	1424.6	1409.1	1422.0	1406.5	1414.2
37.5°	1378.9	1364.3	1378.1	1360.9	1367.7
40°	1329.9	1317.0	1329.0	1313.5	1319.5
42.5°	1273.1	1265.3	1277.4	1261.9	1267.0
45°	1218.0	1206.8	1221.4	1208.5	1210.2
47.5°	1162.9	1150.8	1164.6	1153.4	1152.6
50°	1096.6	1092.3	1105.2	1096.6	1095.7
52.5°	1033.8	1025.2	1038.9	1034.6	1037.2
55°	966.6	958.9	970.1	969.2	974.4
57.5°	896.9	889.2	903.8	902.1	906.4
60°	822.9	816.9	835.8	831.5	834.9
62.5°	750.6	739.4	763.5	760.0	758.3
65°	669.7	662.8	688.6	684.3	671.4
67.5°	586.2	583.6	610.3	601.7	580.2
70°	502.7	504.4	530.2	513.9	495.8
72.5°	414.9	427.8	443.3	431.2	418.3
75°	332.3	352.1	354.6	353.8	340.9
77.5°	251.3	276.3	270.3	276.3	266.0
80°	175.6	203.1	198.8	204.0	195.4
82.5°	108.5	133.4	134.3	137.7	130.0
85°	52.5	77.5	79.2	80.1	74.0
87.5°	11.2	36.2	37.0	34.4	30.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)