

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: P1213156

Luminaire Tested: 4SNLED-LD5-64SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213156
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-LD5-64SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

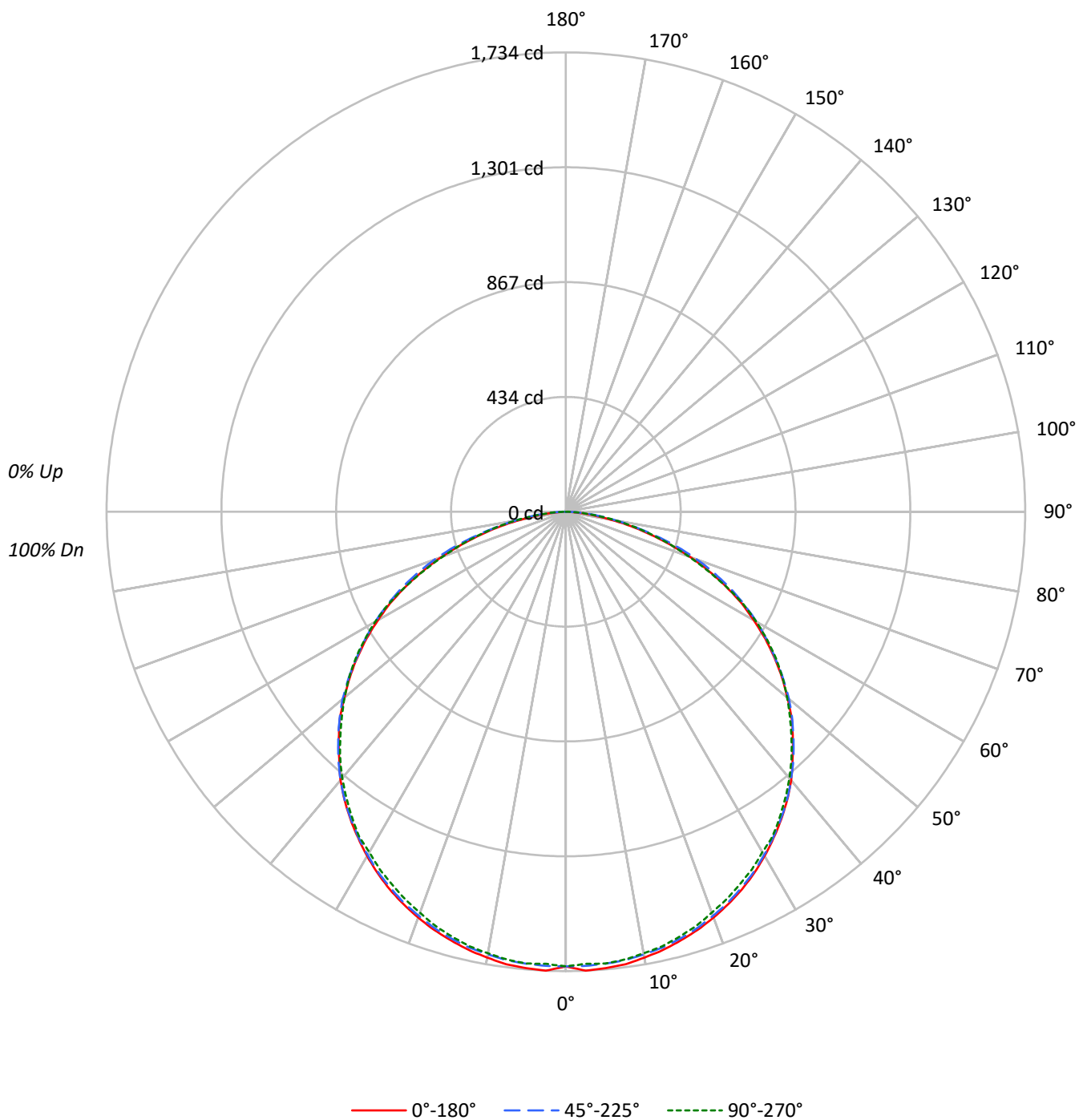
Lumens per Lamp: N/A
Luminaire Lumens: 5147.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 52
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°	13865	13865	13865
5°	13991	13549	13442
10°	13946	13252	13027
15°	13901	12955	12619
20°	13861	12637	12184
25°	13821	12318	11778
30°	13756	11976	11378
35°	13686	11621	10994
40°	13604	11240	10535
45°	13432	10789	10008
50°	13227	10299	9471
55°	12974	9642	8894
60°	12556	8974	8138
65°	11942	8106	7078
70°	10886	6966	5739
75°	9244	5315	4411
80°	6906	3501	2891
85°	3573	1705	1292

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13432 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.9	3.2
10°-20°	469.6	9.1
20°-30°	718.9	14.0
30°-40°	880.8	17.1
40°-50°	931.6	18.1
50°-60°	859.9	16.7
60°-70°	663.7	12.9
70°-80°	368.4	7.2
80°-90°	91.3	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°	1351.4	26.3
0°-40°	2232.1	43.4
0°-60°	4023.7	78.2
0°-90°	5147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1716	1716	1716	1716	1716	
5°	1730	1707	1712	1708	1712	164
15°	1676	1656	1668	1662	1660	473
25°	1573	1554	1567	1553	1552	725
35°	1418	1402	1415	1400	1407	887
45°	1212	1201	1216	1203	1204	935
55°	962	954	965	964	970	859
65°	666	660	685	681	668	657
75°	331	350	353	352	339	351
85°	52	77	79	80	74	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1715.8	1715.8	1715.8	1715.8	1715.8
2.5°	1733.8	1711.5	1715.8	1713.2	1708.1
5°	1729.5	1707.2	1712.3	1708.1	1711.5
7.5°	1722.6	1698.6	1707.2	1701.2	1704.6
10°	1708.9	1688.4	1696.9	1690.1	1692.6
12.5°	1694.4	1672.9	1684.9	1676.4	1679.8
15°	1675.5	1655.8	1667.8	1661.8	1660.1
17.5°	1654.9	1636.1	1648.1	1641.2	1638.7
20°	1630.1	1612.1	1623.3	1613.0	1610.4
22.5°	1602.7	1584.7	1597.6	1583.0	1583.8
25°	1572.7	1553.9	1566.7	1553.0	1552.2
27.5°	1538.4	1520.5	1534.2	1519.6	1521.3
30°	1500.8	1482.8	1496.5	1481.9	1483.6
32.5°	1459.6	1445.1	1457.1	1443.4	1452.8
35°	1417.7	1402.3	1415.1	1399.7	1407.4
37.5°	1372.3	1357.7	1371.4	1354.3	1361.1
40°	1323.4	1310.6	1322.6	1307.2	1313.2
42.5°	1266.9	1259.2	1271.2	1255.8	1260.9
45°	1212.1	1201.0	1215.5	1202.7	1204.4
47.5°	1157.3	1145.3	1159.0	1147.8	1147.0
50°	1091.3	1087.0	1099.9	1091.3	1090.4
52.5°	1028.8	1020.2	1033.9	1029.6	1032.2
55°	962.0	954.2	965.4	964.5	969.7
57.5°	892.6	884.9	899.4	897.7	902.0
60°	818.9	812.9	831.8	827.5	830.9
62.5°	747.0	735.8	759.8	756.4	754.7
65°	666.4	659.6	685.3	681.0	668.1
67.5°	583.3	580.8	607.3	598.8	577.3
70°	500.3	502.0	527.7	511.4	493.4
72.5°	412.9	425.7	441.1	429.2	416.3
75°	330.6	350.3	352.9	352.1	339.2
77.5°	250.1	275.0	269.0	275.0	264.7
80°	174.7	202.2	197.9	203.0	194.4
82.5°	107.9	132.8	133.6	137.1	129.3
85°	52.3	77.1	78.8	79.7	73.7
87.5°	11.1	36.0	36.8	34.3	30.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)