

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: P1213858

Luminaire Tested: 4SNLED-LD5-64SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213858
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

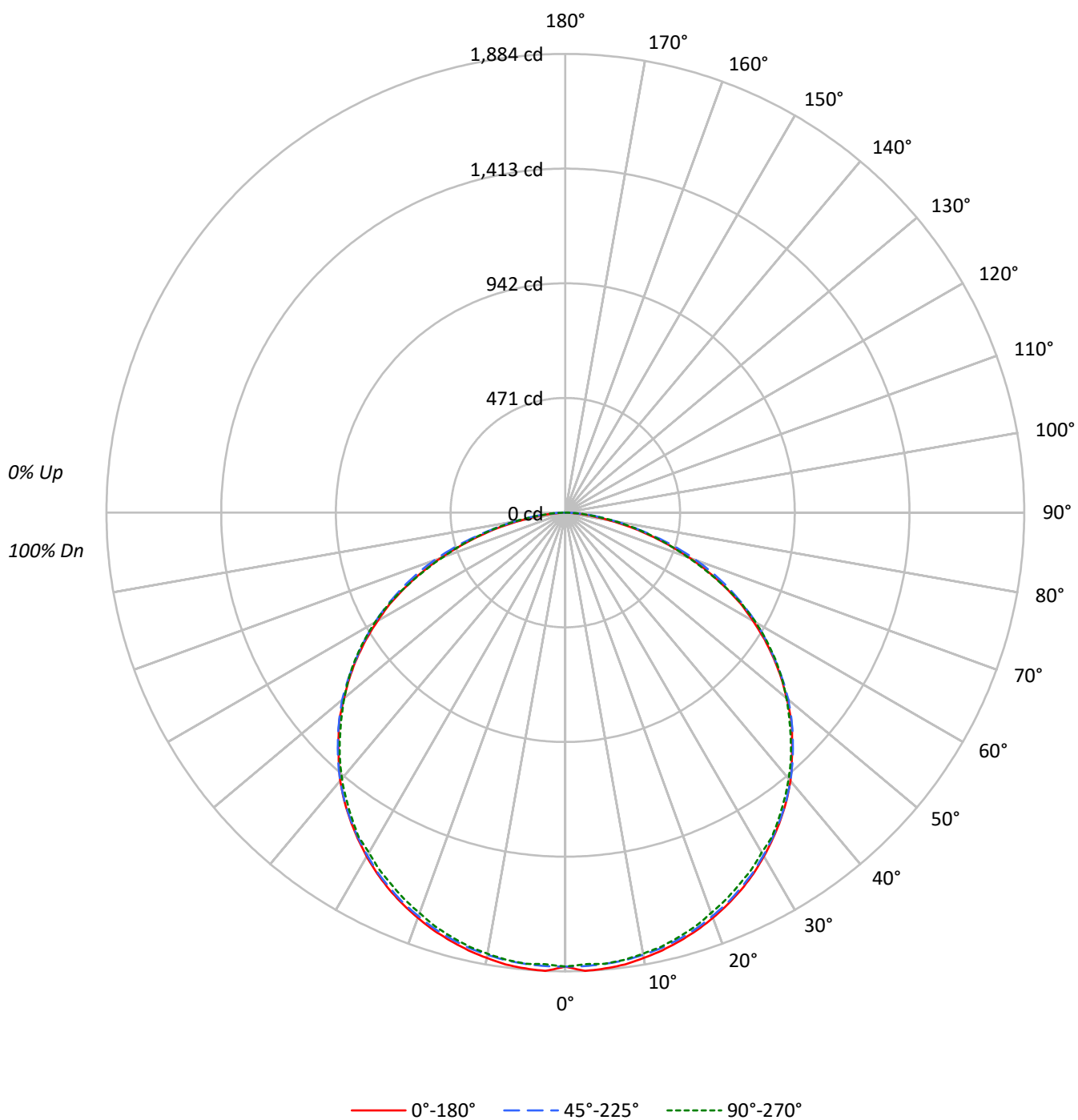
Lumens per Lamp: N/A
Luminaire Lumens: 5593.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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°	15066	15066	15066
5°	15203	14723	14607
10°	15154	14401	14156
15°	15106	14077	13712
20°	15062	13732	13240
25°	15019	13386	12799
30°	14948	13013	12364
35°	14872	12627	11947
40°	14783	12214	11448
45°	14596	11724	10874
50°	14374	11191	10292
55°	14098	10477	9664
60°	13644	9751	8843
65°	12978	8808	7691
70°	11828	7569	6237
75°	10047	5776	4793
80°	7507	3803	3143
85°	3880	1852	1404

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14596 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.0	3.2
10°-20°	510.3	9.1
20°-30°	781.2	14.0
30°-40°	957.1	17.1
40°-50°	1012.3	18.1
50°-60°	934.4	16.7
60°-70°	721.2	12.9
70°-80°	400.3	7.2
80°-90°	99.2	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°	1468.4	26.3
0°-40°	2425.5	43.4
0°-60°	4372.3	78.2
0°-90°	5593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1864	1864	1864	1864	1864	
5°	1879	1855	1861	1856	1860	179
15°	1821	1799	1812	1806	1804	514
25°	1709	1688	1702	1688	1687	788
35°	1540	1524	1538	1521	1529	964
45°	1317	1305	1321	1307	1309	1016
55°	1045	1037	1049	1048	1054	933
65°	724	717	745	740	726	714
75°	359	381	384	383	369	381
85°	57	84	86	87	80	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1864.4	1864.4	1864.4	1864.4	1864.4
2.5°	1884.0	1859.8	1864.4	1861.6	1856.1
5°	1879.3	1855.1	1860.7	1856.1	1859.8
7.5°	1871.9	1845.8	1855.1	1848.6	1852.3
10°	1857.0	1834.7	1844.0	1836.5	1839.3
12.5°	1841.2	1817.9	1830.9	1821.6	1825.3
15°	1820.7	1799.3	1812.3	1805.8	1803.9
17.5°	1798.4	1777.9	1790.9	1783.5	1780.7
20°	1771.4	1751.8	1763.9	1752.7	1749.9
22.5°	1741.6	1722.0	1736.0	1720.2	1721.1
25°	1709.0	1688.5	1702.5	1687.6	1686.7
27.5°	1671.8	1652.2	1667.1	1651.3	1653.1
30°	1630.8	1611.3	1626.1	1610.3	1612.2
32.5°	1586.1	1570.3	1583.3	1568.4	1578.7
35°	1540.5	1523.8	1537.7	1521.0	1529.3
37.5°	1491.2	1475.4	1490.2	1471.6	1479.1
40°	1438.1	1424.2	1437.2	1420.4	1427.0
42.5°	1376.7	1368.3	1381.3	1364.6	1370.2
45°	1317.1	1305.0	1320.8	1306.9	1308.7
47.5°	1257.5	1244.5	1259.4	1247.3	1246.4
50°	1185.9	1181.2	1195.2	1185.9	1184.9
52.5°	1117.9	1108.6	1123.5	1118.9	1121.6
55°	1045.3	1036.9	1049.0	1048.1	1053.7
57.5°	969.9	961.5	977.4	975.5	980.2
60°	889.9	883.4	903.8	899.2	902.9
62.5°	811.7	799.6	825.6	821.9	820.1
65°	724.2	716.7	744.7	740.0	726.0
67.5°	633.9	631.1	660.0	650.6	627.4
70°	543.6	545.5	573.4	555.7	536.2
72.5°	448.7	462.6	479.4	466.3	452.4
75°	359.3	380.7	383.5	382.6	368.6
77.5°	271.8	298.8	292.3	298.8	287.6
80°	189.9	219.7	215.0	220.6	211.3
82.5°	117.3	144.3	145.2	148.9	140.6
85°	56.8	83.8	85.6	86.6	80.1
87.5°	12.1	39.1	40.0	37.2	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)