

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: P1213503

Luminaire Tested: 4SNLED-LD5-64HL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213503
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-LD5-64HL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

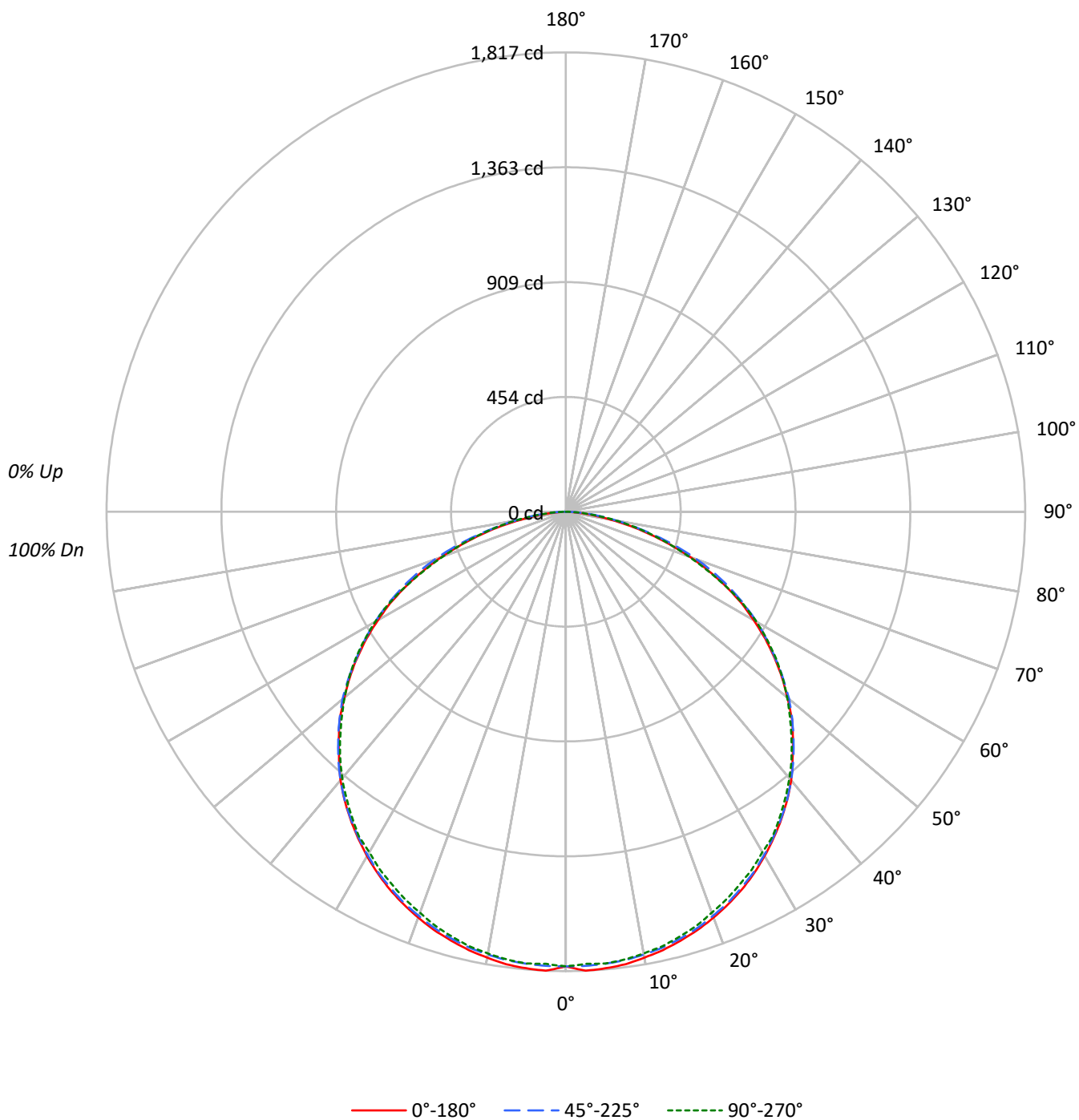
Lumens per Lamp: N/A
Luminaire Lumens: 5394.0 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 43
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°	14530	14530	14530
5°	14663	14200	14087
10°	14615	13889	13652
15°	14568	13576	13225
20°	14526	13244	12769
25°	14485	12909	12343
30°	14416	12551	11924
35°	14343	12178	11522
40°	14258	11780	11040
45°	14077	11306	10488
50°	13862	10793	9926
55°	13596	10104	9320
60°	13158	9405	8529
65°	12516	8495	7418
70°	11408	7299	6015
75°	9689	5571	4623
80°	7238	3669	3031
85°	3744	1787	1353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14077 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.7	3.2
10°-20°	492.2	9.1
20°-30°	753.4	14.0
30°-40°	923.0	17.1
40°-50°	976.3	18.1
50°-60°	901.2	16.7
60°-70°	695.6	12.9
70°-80°	386.1	7.2
80°-90°	95.6	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°	1416.2	26.3
0°-40°	2339.2	43.4
0°-60°	4216.7	78.2
0°-90°	5394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1798	1798	1798	1798	1798	
5°	1812	1789	1794	1790	1794	172
15°	1756	1735	1748	1742	1740	496
25°	1648	1628	1642	1628	1627	760
35°	1486	1470	1483	1467	1475	930
45°	1270	1259	1274	1260	1262	980
55°	1008	1000	1012	1011	1016	900
65°	698	691	718	714	700	689
75°	346	367	370	369	356	368
85°	55	81	83	84	77	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1817.0	1793.6	1798.1	1795.4	1790.0
5°	1812.5	1789.1	1794.5	1790.0	1793.6
7.5°	1805.3	1780.1	1789.1	1782.8	1786.4
10°	1790.9	1769.4	1778.4	1771.2	1773.9
12.5°	1775.7	1753.2	1765.8	1756.8	1760.4
15°	1755.9	1735.3	1747.8	1741.5	1739.8
17.5°	1734.4	1714.6	1727.2	1720.0	1717.3
20°	1708.3	1689.5	1701.2	1690.4	1687.7
22.5°	1679.6	1660.8	1674.2	1659.0	1659.9
25°	1648.2	1628.4	1641.9	1627.5	1626.6
27.5°	1612.3	1593.4	1607.8	1592.5	1594.3
30°	1572.8	1553.9	1568.3	1553.0	1554.8
32.5°	1529.7	1514.4	1527.0	1512.6	1522.5
35°	1485.7	1469.5	1483.0	1466.9	1474.9
37.5°	1438.1	1422.9	1437.2	1419.3	1426.5
40°	1387.0	1373.5	1386.1	1369.9	1376.2
42.5°	1327.7	1319.6	1332.2	1316.0	1321.4
45°	1270.3	1258.6	1273.8	1260.4	1262.2
47.5°	1212.8	1200.2	1214.6	1202.9	1202.0
50°	1143.7	1139.2	1152.7	1143.7	1142.8
52.5°	1078.1	1069.2	1083.5	1079.0	1081.7
55°	1008.1	1000.0	1011.7	1010.8	1016.2
57.5°	935.4	927.3	942.6	940.8	945.3
60°	858.2	851.9	871.7	867.2	870.8
62.5°	782.8	771.1	796.3	792.7	790.9
65°	698.4	691.2	718.2	713.7	700.2
67.5°	611.3	608.6	636.5	627.5	605.1
70°	524.3	526.1	553.0	535.9	517.1
72.5°	432.7	446.2	462.3	449.8	436.3
75°	346.5	367.2	369.9	369.0	355.5
77.5°	262.1	288.2	281.9	288.2	277.4
80°	183.1	211.9	207.4	212.8	203.8
82.5°	113.1	139.1	140.0	143.6	135.6
85°	54.8	80.8	82.6	83.5	77.2
87.5°	11.7	37.7	38.6	35.9	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)