

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: P1213152

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

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213152
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-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

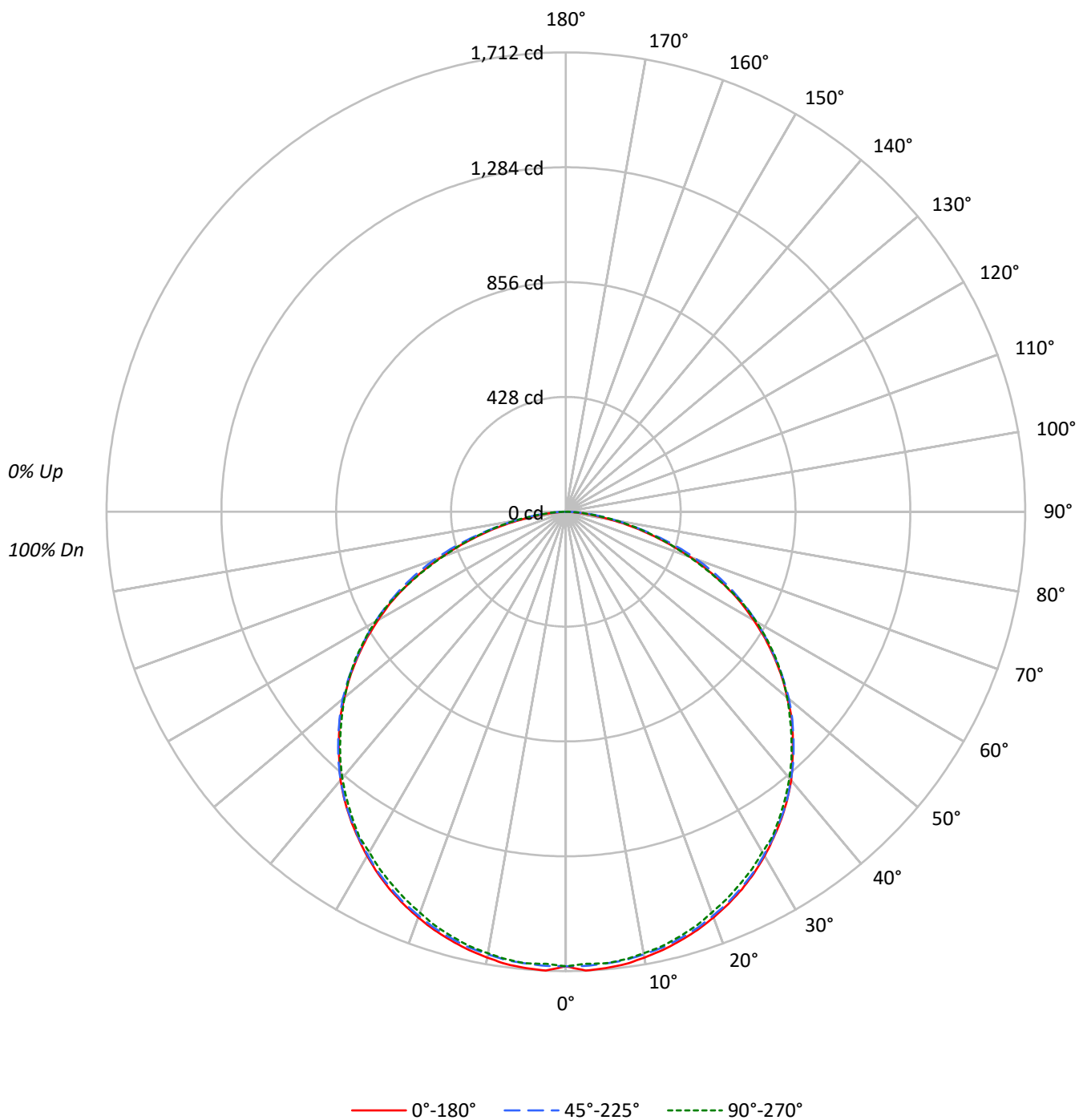
Lumens per Lamp: N/A
Luminaire Lumens: 5081.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	13688	13688	13688
5°	13812	13376	13269
10°	13767	13083	12860
15°	13723	12789	12457
20°	13683	12475	12028
25°	13644	12160	11627
30°	13579	11822	11232
35°	13511	11472	10853
40°	13430	11096	10399
45°	13260	10650	9879
50°	13057	10167	9351
55°	12807	9518	8779
60°	12395	8859	8033
65°	11790	8002	6988
70°	10745	6876	5666
75°	9127	5247	4355
80°	6819	3455	2856
85°	3525	1683	1274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13260 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	3.2
10°-20°	463.6	9.1
20°-30°	709.7	14.0
30°-40°	869.5	17.1
40°-50°	919.7	18.1
50°-60°	848.9	16.7
60°-70°	655.2	12.9
70°-80°	363.7	7.2
80°-90°	90.1	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°	1334.0	26.3
0°-40°	2203.5	43.4
0°-60°	3972.1	78.2
0°-90°	5081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5081.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1694	1694	1694	1694	1694	
5°	1707	1685	1690	1686	1690	162
15°	1654	1635	1646	1640	1639	467
25°	1552	1534	1547	1533	1532	716
35°	1400	1384	1397	1382	1389	876
45°	1196	1186	1200	1187	1189	923
55°	950	942	953	952	957	848
65°	658	651	676	672	660	649
75°	326	346	348	348	335	346
85°	52	76	78	79	73	69
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1693.8	1693.8	1693.8	1693.8	1693.8
2.5°	1711.5	1689.5	1693.8	1691.2	1686.2
5°	1707.3	1685.3	1690.4	1686.2	1689.5
7.5°	1700.5	1676.9	1685.3	1679.4	1682.8
10°	1687.0	1666.7	1675.2	1668.4	1670.9
12.5°	1672.6	1651.5	1663.3	1654.9	1658.2
15°	1654.0	1634.6	1646.4	1640.5	1638.8
17.5°	1633.7	1615.1	1627.0	1620.2	1617.7
20°	1609.2	1591.4	1602.4	1592.3	1589.8
22.5°	1582.1	1564.4	1577.1	1562.7	1563.5
25°	1552.5	1533.9	1546.6	1533.1	1532.3
27.5°	1518.7	1501.0	1514.5	1500.1	1501.8
30°	1481.5	1463.8	1477.3	1462.9	1464.6
32.5°	1440.9	1426.6	1438.4	1424.9	1434.2
35°	1399.5	1384.3	1397.0	1381.7	1389.3
37.5°	1354.7	1340.3	1353.8	1336.9	1343.7
40°	1306.5	1293.8	1305.6	1290.4	1296.3
42.5°	1250.7	1243.1	1254.9	1239.7	1244.7
45°	1196.5	1185.6	1199.9	1187.2	1188.9
47.5°	1142.4	1130.6	1144.1	1133.1	1132.3
50°	1077.3	1073.1	1085.8	1077.3	1076.5
52.5°	1015.6	1007.1	1020.7	1016.4	1019.0
55°	949.6	942.0	953.0	952.2	957.2
57.5°	881.1	873.5	887.9	886.2	890.4
60°	808.4	802.5	821.1	816.9	820.2
62.5°	737.4	726.4	750.1	746.7	745.0
65°	657.9	651.1	676.5	672.3	659.6
67.5°	575.9	573.3	599.5	591.1	569.9
70°	493.8	495.5	520.9	504.8	487.1
72.5°	407.6	420.3	435.5	423.7	411.0
75°	326.4	345.9	348.4	347.5	334.9
77.5°	246.9	271.4	265.5	271.4	261.3
80°	172.5	199.6	195.3	200.4	192.0
82.5°	106.5	131.1	131.9	135.3	127.7
85°	51.6	76.1	77.8	78.6	72.7
87.5°	11.0	35.5	36.4	33.8	29.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)