

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: P1213507

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

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213507
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

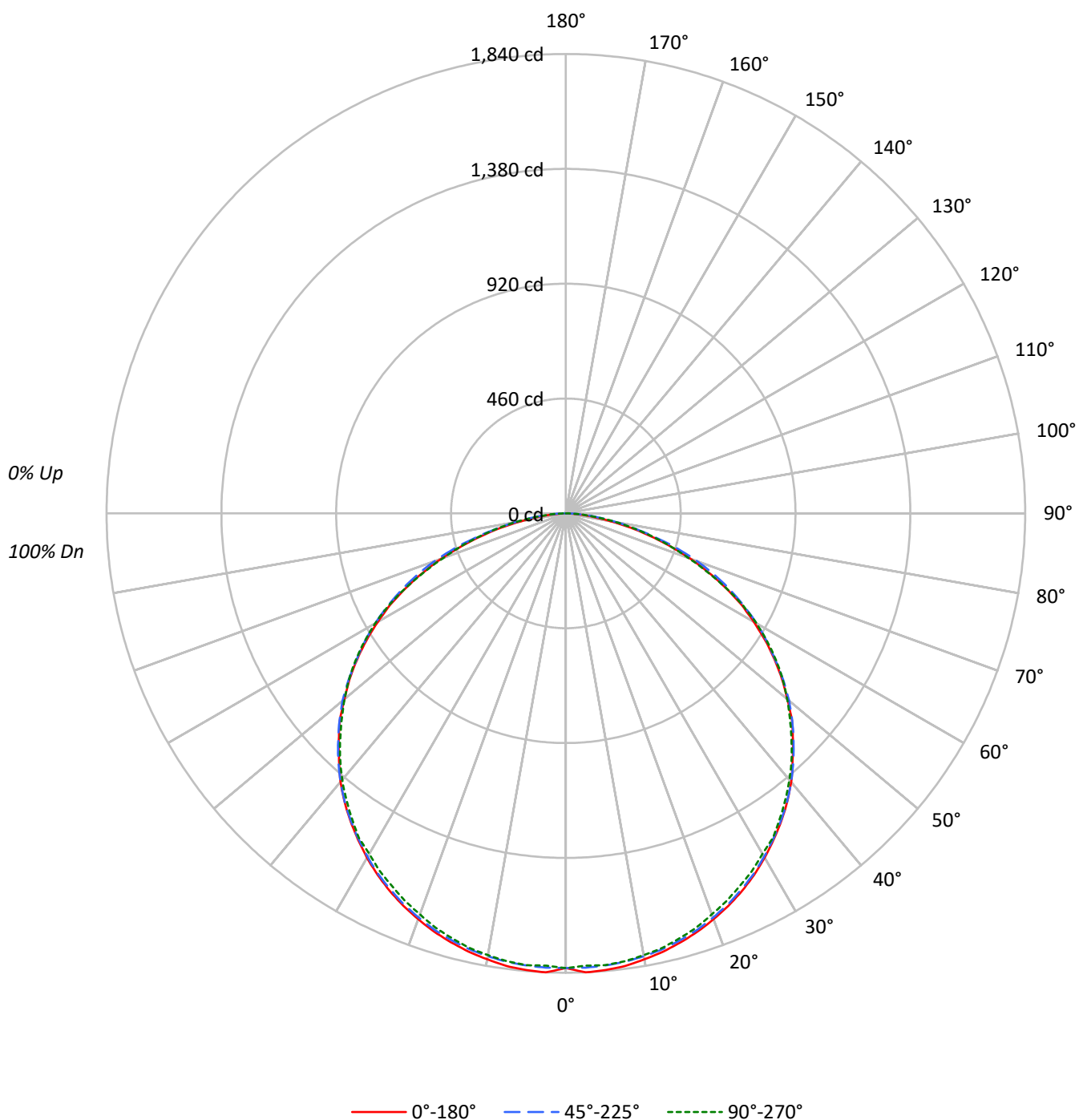
Lumens per Lamp: N/A
Luminaire Lumens: 5463.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	14716	14716	14716
5°	14850	14382	14267
10°	14802	14066	13827
15°	14755	13750	13394
20°	14712	13413	12932
25°	14670	13074	12501
30°	14600	12711	12077
35°	14526	12334	11669
40°	14440	11930	11181
45°	14257	11451	10622
50°	14039	10931	10053
55°	13770	10234	9440
60°	13327	9525	8637
65°	12675	8604	7513
70°	11554	7393	6091
75°	9812	5642	4682
80°	7333	3715	3070
85°	3792	1808	1370

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	3.2
10°-20°	498.5	9.1
20°-30°	763.0	14.0
30°-40°	934.9	17.1
40°-50°	988.8	18.1
50°-60°	912.7	16.7
60°-70°	704.5	12.9
70°-80°	391.0	7.2
80°-90°	96.9	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°	1434.3	26.3
0°-40°	2369.2	43.4
0°-60°	4270.7	78.2
0°-90°	5463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1821	1821	1821	1821	1821	
5°	1836	1812	1818	1813	1817	175
15°	1778	1758	1770	1764	1762	502
25°	1669	1649	1663	1648	1647	769
35°	1505	1488	1502	1486	1494	941
45°	1286	1275	1290	1276	1278	993
55°	1021	1013	1025	1024	1029	911
65°	707	700	727	723	709	697
75°	351	372	375	374	360	372
85°	56	82	84	85	78	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1821.1	1821.1	1821.1	1821.1	1821.1
2.5°	1840.2	1816.6	1821.1	1818.4	1812.9
5°	1835.7	1812.0	1817.5	1812.9	1816.6
7.5°	1828.4	1802.9	1812.0	1805.6	1809.3
10°	1813.8	1792.0	1801.1	1793.8	1796.6
12.5°	1798.4	1775.6	1788.4	1779.3	1782.9
15°	1778.4	1757.5	1770.2	1763.8	1762.0
17.5°	1756.6	1736.6	1749.3	1742.0	1739.3
20°	1730.2	1711.1	1722.9	1712.0	1709.3
22.5°	1701.1	1682.0	1695.6	1680.2	1681.1
25°	1669.3	1649.3	1662.9	1648.4	1647.4
27.5°	1632.9	1613.8	1628.4	1612.9	1614.7
30°	1592.9	1573.8	1588.4	1572.9	1574.7
32.5°	1549.3	1533.8	1546.5	1532.0	1542.0
35°	1504.7	1488.3	1502.0	1485.6	1493.8
37.5°	1456.5	1441.1	1455.6	1437.4	1444.7
40°	1404.7	1391.1	1403.8	1387.4	1393.8
42.5°	1344.7	1336.5	1349.2	1332.9	1338.3
45°	1286.5	1274.7	1290.1	1276.5	1278.3
47.5°	1228.3	1215.6	1230.1	1218.3	1217.4
50°	1158.3	1153.8	1167.4	1158.3	1157.4
52.5°	1091.9	1082.8	1097.4	1092.8	1095.6
55°	1021.0	1012.8	1024.7	1023.7	1029.2
57.5°	947.4	939.2	954.6	952.8	957.4
60°	869.2	862.8	882.8	878.3	881.9
62.5°	792.8	781.0	806.5	802.8	801.0
65°	707.3	700.1	727.4	722.8	709.2
67.5°	619.2	616.4	644.6	635.5	612.8
70°	531.0	532.8	560.1	542.8	523.7
72.5°	438.2	451.9	468.2	455.5	441.9
75°	350.9	371.9	374.6	373.7	360.0
77.5°	265.5	291.8	285.5	291.8	280.9
80°	185.5	214.6	210.0	215.5	206.4
82.5°	114.6	140.9	141.8	145.5	137.3
85°	55.5	81.8	83.6	84.6	78.2
87.5°	11.8	38.2	39.1	36.4	31.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)