

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: P1214209

Luminaire Tested: 4SNLED-LD5-64SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214209
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

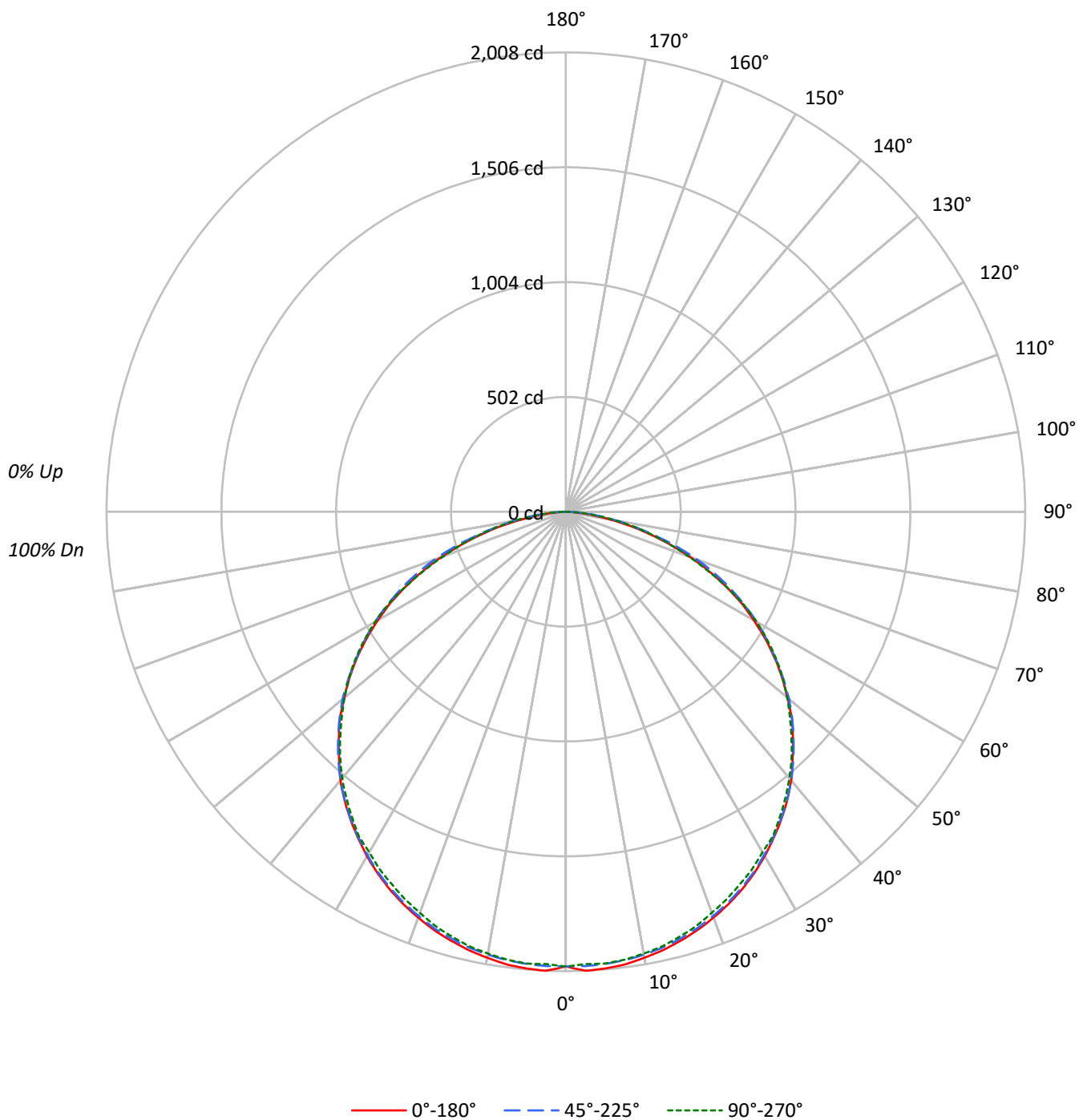
Lumens per Lamp: N/A
Luminaire Lumens: 5962.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	16060	16060	16060
5°	16206	15695	15570
10°	16154	15351	15090
15°	16102	15006	14618
20°	16055	14638	14114
25°	16010	14268	13643
30°	15934	13872	13180
35°	15853	13461	12735
40°	15758	13020	12203
45°	15559	12498	11592
50°	15321	11929	10971
55°	15028	11168	10302
60°	14544	10395	9427
65°	13835	9389	8198
70°	12609	8068	6647
75°	10709	6157	5109
80°	8001	4055	3349
85°	4133	1975	1495

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	3.2
10°-20°	544.0	9.1
20°-30°	832.7	14.0
30°-40°	1020.2	17.1
40°-50°	1079.1	18.1
50°-60°	996.1	16.7
60°-70°	768.8	12.9
70°-80°	426.7	7.2
80°-90°	105.7	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°	1565.3	26.3
0°-40°	2585.6	43.4
0°-60°	4660.8	78.2
0°-90°	5962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	2003	1978	1984	1978	1982	190
15°	1941	1918	1932	1925	1923	548
25°	1822	1800	1815	1799	1798	840
35°	1642	1624	1639	1621	1630	1027
45°	1404	1391	1408	1393	1395	1083
55°	1114	1105	1118	1117	1123	995
65°	772	764	794	789	774	761
75°	383	406	409	408	393	406
85°	60	89	91	92	85	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.4	1987.4	1987.4	1987.4	1987.4
2.5°	2008.3	1982.5	1987.4	1984.5	1978.5
5°	2003.3	1977.5	1983.5	1978.5	1982.5
7.5°	1995.4	1967.6	1977.5	1970.6	1974.5
10°	1979.5	1955.7	1965.6	1957.7	1960.7
12.5°	1962.6	1937.8	1951.7	1941.8	1945.8
15°	1940.8	1918.0	1931.9	1924.9	1923.0
17.5°	1917.0	1895.2	1909.1	1901.1	1898.1
20°	1888.2	1867.4	1880.3	1868.4	1865.4
22.5°	1856.5	1835.6	1850.5	1833.7	1834.6
25°	1821.7	1799.9	1814.8	1798.9	1797.9
27.5°	1782.1	1761.2	1777.1	1760.2	1762.2
30°	1738.4	1717.6	1733.4	1716.6	1718.6
32.5°	1690.8	1673.9	1687.8	1671.9	1682.8
35°	1642.1	1624.3	1639.2	1621.3	1630.2
37.5°	1589.6	1572.7	1588.6	1568.7	1576.7
40°	1533.0	1518.1	1532.0	1514.2	1521.1
42.5°	1467.5	1458.6	1472.5	1454.6	1460.6
45°	1404.0	1391.1	1408.0	1393.1	1395.1
47.5°	1340.5	1326.6	1342.5	1329.6	1328.6
50°	1264.1	1259.1	1274.0	1264.1	1263.1
52.5°	1191.7	1181.8	1197.6	1192.7	1195.6
55°	1114.3	1105.4	1118.2	1117.3	1123.2
57.5°	1033.9	1025.0	1041.8	1039.9	1044.8
60°	948.6	941.6	963.5	958.5	962.5
62.5°	865.2	852.3	880.1	876.1	874.2
65°	772.0	764.0	793.8	788.8	773.9
67.5°	675.7	672.7	703.5	693.6	668.8
70°	579.5	581.4	611.2	592.4	571.5
72.5°	478.3	493.1	511.0	497.1	482.2
75°	383.0	405.8	408.8	407.8	392.9
77.5°	289.7	318.5	311.6	318.5	306.6
80°	202.4	234.2	229.2	235.2	225.2
82.5°	125.0	153.8	154.8	158.8	149.8
85°	60.5	89.3	91.3	92.3	85.3
87.5°	12.9	41.7	42.7	39.7	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)