

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: P1214216

Luminaire Tested: 4SNLED-LD5-68SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214216
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-LD5-68SL-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

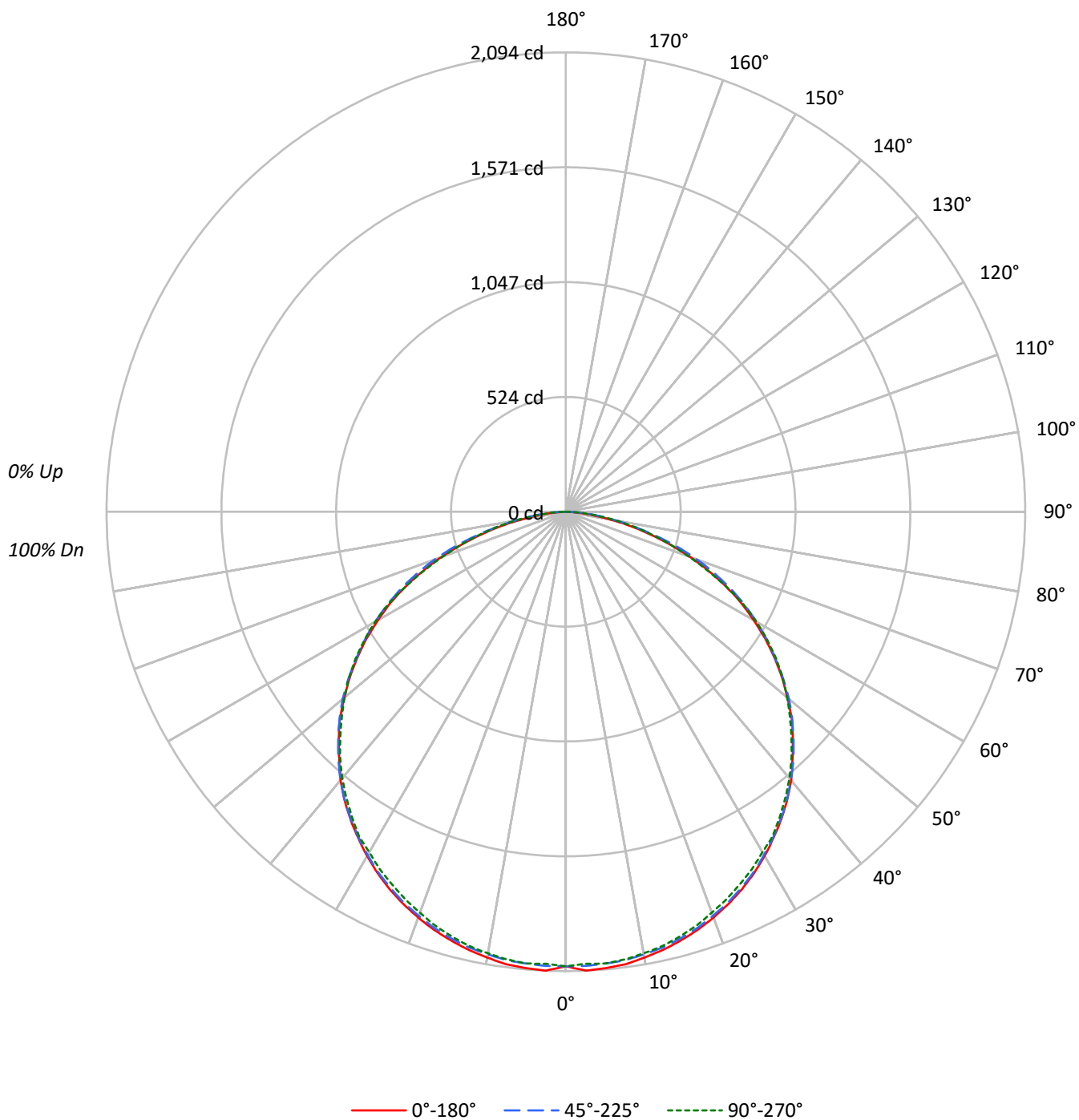
Lumens per Lamp: N/A
Luminaire Lumens: 6215.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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

TEST NUMBER: P1214216

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L950-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1214216

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L950-CD1-U

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°	16742	16742	16742
5°	16894	16361	16231
10°	16840	16002	15730
15°	16786	15643	15238
20°	16737	15259	14713
25°	16690	14874	14222
30°	16610	14461	13739
35°	16525	14032	13275
40°	16428	13572	12720
45°	16220	13028	12084
50°	15972	12435	11437
55°	15666	11643	10739
60°	15160	10835	9826
65°	14421	9788	8547
70°	13145	8411	6930
75°	11165	6418	5327
80°	8341	4226	3492
85°	4311	2059	1560

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16220 cd/sqm

TEST NUMBER: P1214216

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	3.2
10°-20°	567.1	9.1
20°-30°	868.0	14.0
30°-40°	1063.5	17.1
40°-50°	1124.9	18.1
50°-60°	1038.4	16.7
60°-70°	801.4	12.9
70°-80°	444.8	7.2
80°-90°	110.2	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°	1631.8	26.3
0°-40°	2695.3	43.4
0°-60°	4858.6	78.2
0°-90°	6215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6215.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2072	2072	2072	2072	2072	
5°	2088	2061	2068	2062	2067	199
15°	2023	1999	2014	2007	2005	571
25°	1899	1876	1892	1875	1874	875
35°	1712	1693	1709	1690	1699	1071
45°	1464	1450	1468	1452	1454	1129
55°	1162	1152	1166	1165	1171	1037
65°	805	796	828	822	807	793
75°	399	423	426	425	410	424
85°	63	93	95	96	89	85
90°	0	0	0	0	0	

TEST NUMBER: P1214216

CATALOG NUMBER: 4SNLED-LD5-68SL-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2071.8	2071.8	2071.8	2071.8	2071.8
2.5°	2093.5	2066.6	2071.8	2068.7	2062.5
5°	2088.3	2061.4	2067.6	2062.5	2066.6
7.5°	2080.1	2051.1	2061.4	2054.2	2058.3
10°	2063.5	2038.7	2049.0	2040.8	2043.9
12.5°	2045.9	2020.1	2034.5	2024.2	2028.3
15°	2023.2	1999.4	2013.9	2006.6	2004.6
17.5°	1998.3	1975.6	1990.1	1981.8	1978.7
20°	1968.4	1946.6	1960.1	1947.7	1944.6
22.5°	1935.3	1913.5	1929.0	1911.5	1912.5
25°	1899.1	1876.3	1891.8	1875.3	1874.2
27.5°	1857.7	1836.0	1852.5	1834.9	1837.0
30°	1812.2	1790.4	1807.0	1789.4	1791.5
32.5°	1762.5	1744.9	1759.4	1742.9	1754.2
35°	1711.8	1693.2	1708.7	1690.1	1699.4
37.5°	1657.0	1639.4	1656.0	1635.3	1643.6
40°	1598.1	1582.5	1597.0	1578.4	1585.6
42.5°	1529.8	1520.5	1535.0	1516.3	1522.6
45°	1463.6	1450.1	1467.7	1452.2	1454.3
47.5°	1397.4	1382.9	1399.5	1386.0	1385.0
50°	1317.8	1312.6	1328.1	1317.8	1316.7
52.5°	1242.2	1231.9	1248.5	1243.3	1246.4
55°	1161.6	1152.3	1165.7	1164.7	1170.9
57.5°	1077.8	1068.5	1086.1	1084.0	1089.2
60°	988.8	981.6	1004.3	999.2	1003.3
62.5°	901.9	888.5	917.5	913.3	911.3
65°	804.7	796.4	827.5	822.3	806.8
67.5°	704.4	701.3	733.3	723.0	697.1
70°	604.1	606.1	637.2	617.5	595.8
72.5°	498.6	514.1	532.7	518.2	502.7
75°	399.3	423.0	426.1	425.1	409.6
77.5°	302.0	332.0	324.8	332.0	319.6
80°	211.0	244.1	238.9	245.1	234.8
82.5°	130.3	160.3	161.4	165.5	156.2
85°	63.1	93.1	95.2	96.2	89.0
87.5°	13.4	43.4	44.5	41.4	36.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)