

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: P1213865

Luminaire Tested: 4SNLED-LD5-68SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213865
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

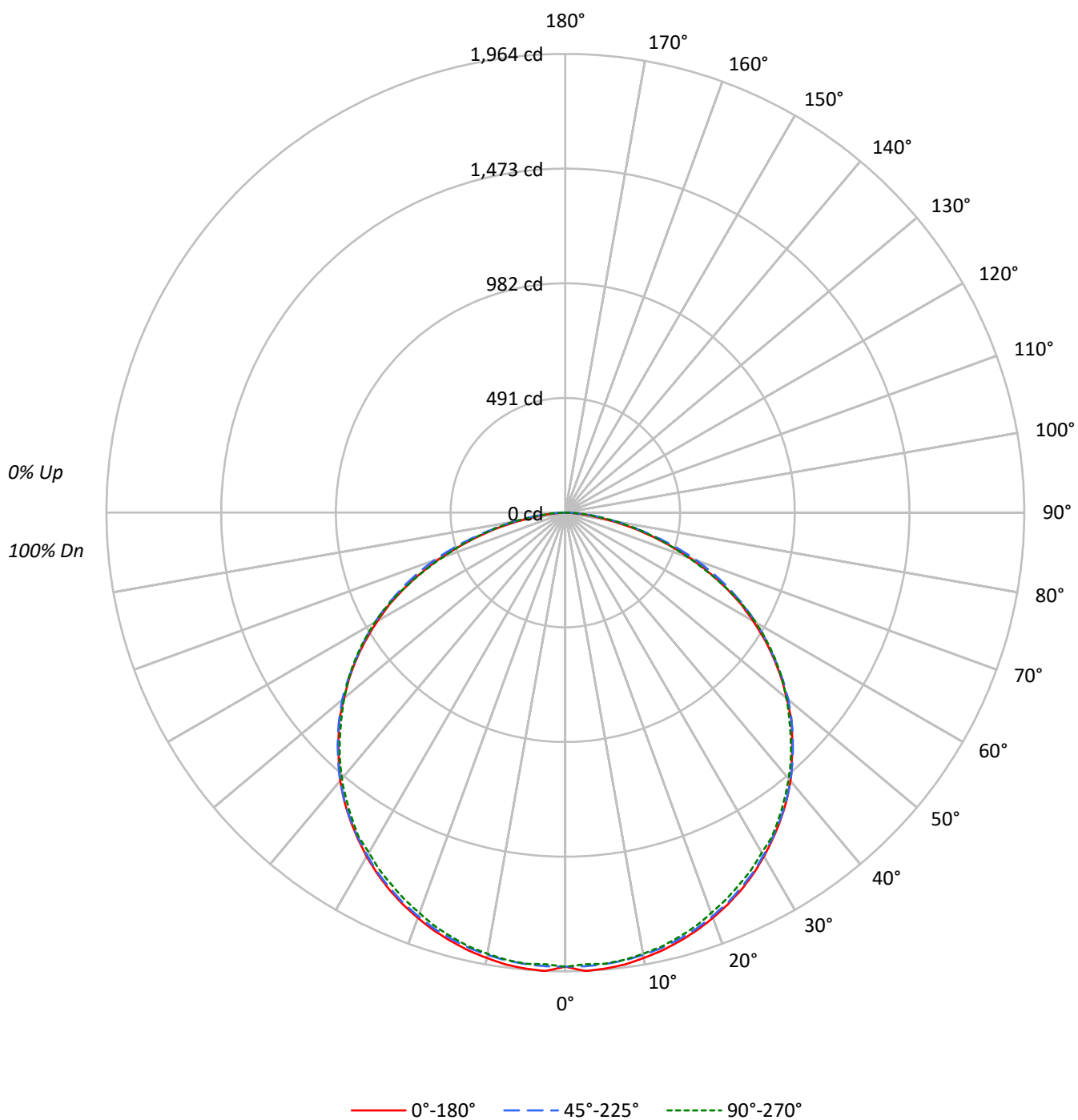
Lumens per Lamp: N/A
Luminaire Lumens: 5831.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15708	15708	15708
5°	15850	15350	15228
10°	15799	15013	14758
15°	15749	14676	14296
20°	15702	14316	13803
25°	15658	13955	13343
30°	15584	13567	12890
35°	15505	13165	12455
40°	15412	12733	11935
45°	15218	12222	11337
50°	14984	11667	10731
55°	14698	10923	10075
60°	14224	10166	9219
65°	13530	9182	8018
70°	12331	7891	6502
75°	10474	6021	4998
80°	7827	3966	3277
85°	4044	1932	1463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	3.2
10°-20°	532.0	9.1
20°-30°	814.4	14.0
30°-40°	997.8	17.1
40°-50°	1055.4	18.1
50°-60°	974.2	16.7
60°-70°	751.9	12.9
70°-80°	417.3	7.2
80°-90°	103.4	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°	1530.9	26.3
0°-40°	2528.8	43.4
0°-60°	4558.4	78.2
0°-90°	5831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5831.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1959	1934	1940	1935	1939	186
15°	1898	1876	1889	1883	1881	536
25°	1782	1760	1775	1759	1758	821
35°	1606	1589	1603	1586	1594	1005
45°	1373	1360	1377	1362	1364	1060
55°	1090	1081	1094	1093	1098	973
65°	755	747	776	772	757	744
75°	375	397	400	399	384	397
85°	59	87	89	90	84	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1943.8	1943.8	1943.8	1943.8	1943.8
2.5°	1964.2	1938.9	1943.8	1940.9	1935.0
5°	1959.3	1934.1	1939.9	1935.0	1938.9
7.5°	1951.5	1924.4	1934.1	1927.3	1931.2
10°	1936.0	1912.7	1922.4	1914.7	1917.6
12.5°	1919.5	1895.3	1908.8	1899.1	1903.0
15°	1898.2	1875.8	1889.4	1882.6	1880.7
17.5°	1874.9	1853.5	1867.1	1859.4	1856.4
20°	1846.7	1826.4	1839.0	1827.3	1824.4
22.5°	1815.7	1795.3	1809.9	1793.4	1794.3
25°	1781.7	1760.4	1774.9	1759.4	1758.4
27.5°	1742.9	1722.5	1738.0	1721.5	1723.5
30°	1700.2	1679.8	1695.3	1678.9	1680.8
32.5°	1653.6	1637.1	1650.7	1635.2	1645.9
35°	1606.1	1588.6	1603.2	1585.7	1594.4
37.5°	1554.6	1538.1	1553.7	1534.3	1542.0
40°	1499.3	1484.8	1498.3	1480.9	1487.7
42.5°	1435.3	1426.5	1440.1	1422.7	1428.5
45°	1373.2	1360.5	1377.0	1362.5	1364.4
47.5°	1311.1	1297.5	1313.0	1300.4	1299.4
50°	1236.3	1231.5	1246.0	1236.3	1235.4
52.5°	1165.5	1155.8	1171.3	1166.5	1169.4
55°	1089.8	1081.1	1093.7	1092.7	1098.5
57.5°	1011.2	1002.5	1019.0	1017.0	1021.9
60°	927.7	920.9	942.3	937.4	941.3
62.5°	846.2	833.6	860.8	856.9	855.0
65°	755.0	747.2	776.3	771.5	756.9
67.5°	660.9	658.0	688.0	678.3	654.1
70°	566.7	568.7	597.8	579.3	559.0
72.5°	467.7	482.3	499.8	486.2	471.6
75°	374.6	396.9	399.8	398.8	384.3
77.5°	283.4	311.5	304.7	311.5	299.9
80°	198.0	229.0	224.2	230.0	220.3
82.5°	122.3	150.4	151.4	155.3	146.5
85°	59.2	87.3	89.3	90.3	83.5
87.5°	12.6	40.8	41.7	38.8	34.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)