

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: P1213514

Luminaire Tested: 4SNLED-LD5-68SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213514
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

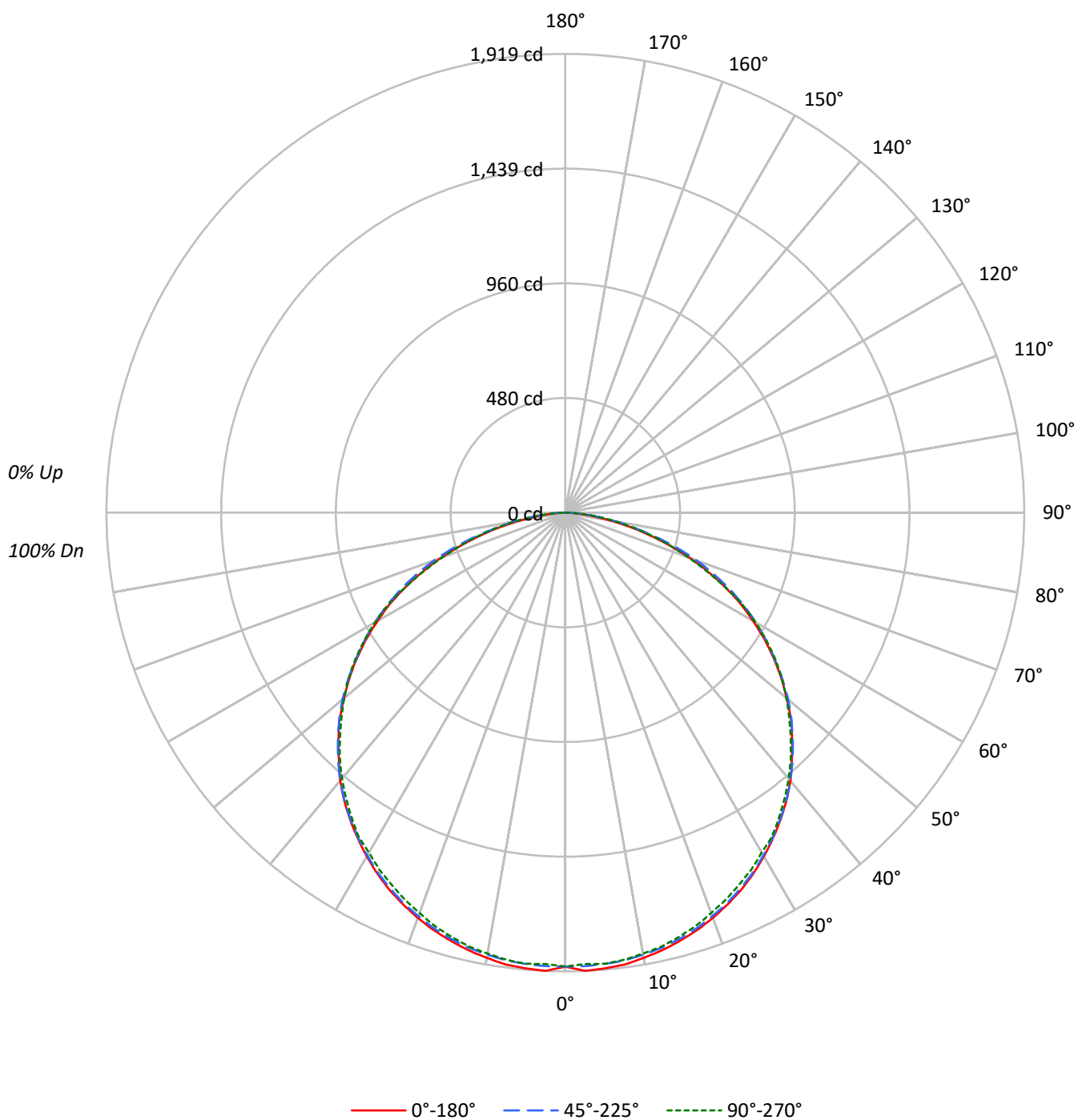
Lumens per Lamp: N/A
Luminaire Lumens: 5696.0 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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
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°	15344	15344	15344
5°	15483	14995	14875
10°	15434	14666	14417
15°	15384	14337	13965
20°	15339	13985	13484
25°	15296	13632	13034
30°	15223	13253	12592
35°	15146	12860	12167
40°	15055	12439	11658
45°	14865	11940	11075
50°	14638	11397	10482
55°	14358	10671	9842
60°	13896	9931	9006
65°	13216	8970	7833
70°	12046	7707	6351
75°	10231	5883	4882
80°	7645	3874	3201
85°	3949	1886	1428

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14865 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	3.2
10°-20°	519.7	9.1
20°-30°	795.6	14.0
30°-40°	974.7	17.1
40°-50°	1031.0	18.1
50°-60°	951.6	16.7
60°-70°	734.5	12.9
70°-80°	407.7	7.2
80°-90°	101.0	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°	1495.5	26.3
0°-40°	2470.2	43.4
0°-60°	4452.8	78.2
0°-90°	5696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5696.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1899	1899	1899	1899	1899	
5°	1914	1889	1895	1890	1894	182
15°	1854	1832	1846	1839	1837	524
25°	1740	1720	1734	1719	1718	802
35°	1569	1552	1566	1549	1558	982
45°	1341	1329	1345	1331	1333	1035
55°	1065	1056	1068	1067	1073	950
65°	738	730	758	754	739	727
75°	366	388	391	390	375	388
85°	58	85	87	88	82	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1918.7	1894.0	1898.8	1895.9	1890.2
5°	1913.9	1889.3	1895.0	1890.2	1894.0
7.5°	1906.4	1879.8	1889.3	1882.7	1886.5
10°	1891.2	1868.4	1877.9	1870.3	1873.2
12.5°	1875.1	1851.4	1864.6	1855.2	1859.0
15°	1854.2	1832.4	1845.7	1839.1	1837.2
17.5°	1831.5	1810.6	1823.9	1816.3	1813.5
20°	1804.0	1784.1	1796.4	1785.0	1782.2
22.5°	1773.6	1753.7	1768.0	1751.8	1752.8
25°	1740.5	1719.6	1733.8	1718.7	1717.7
27.5°	1702.5	1682.6	1697.8	1681.7	1683.6
30°	1660.8	1640.9	1656.1	1640.0	1641.9
32.5°	1615.3	1599.2	1612.5	1597.3	1607.8
35°	1568.9	1551.8	1566.0	1549.0	1557.5
37.5°	1518.6	1502.5	1517.7	1498.7	1506.3
40°	1464.6	1450.4	1463.7	1446.6	1453.2
42.5°	1402.0	1393.5	1406.8	1389.7	1395.4
45°	1341.4	1329.0	1345.2	1330.9	1332.8
47.5°	1280.7	1267.4	1282.6	1270.3	1269.3
50°	1207.7	1203.0	1217.2	1207.7	1206.8
52.5°	1138.5	1129.0	1144.2	1139.5	1142.3
55°	1064.6	1056.0	1068.4	1067.4	1073.1
57.5°	987.8	979.2	995.4	993.5	998.2
60°	906.3	899.6	920.5	915.7	919.5
62.5°	826.6	814.3	840.8	837.1	835.2
65°	737.5	729.9	758.4	753.6	739.4
67.5°	645.6	642.7	672.1	662.6	638.9
70°	553.6	555.5	583.9	565.9	546.0
72.5°	456.9	471.1	488.2	474.9	460.7
75°	365.9	387.7	390.6	389.6	375.4
77.5°	276.8	304.3	297.7	304.3	292.9
80°	193.4	223.7	219.0	224.7	215.2
82.5°	119.4	146.9	147.9	151.7	143.1
85°	57.8	85.3	87.2	88.2	81.5
87.5°	12.3	39.8	40.8	37.9	33.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)