

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: P1213490

Luminaire Tested: 4SNLED-LD5-60SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213490
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-LD5-60SL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

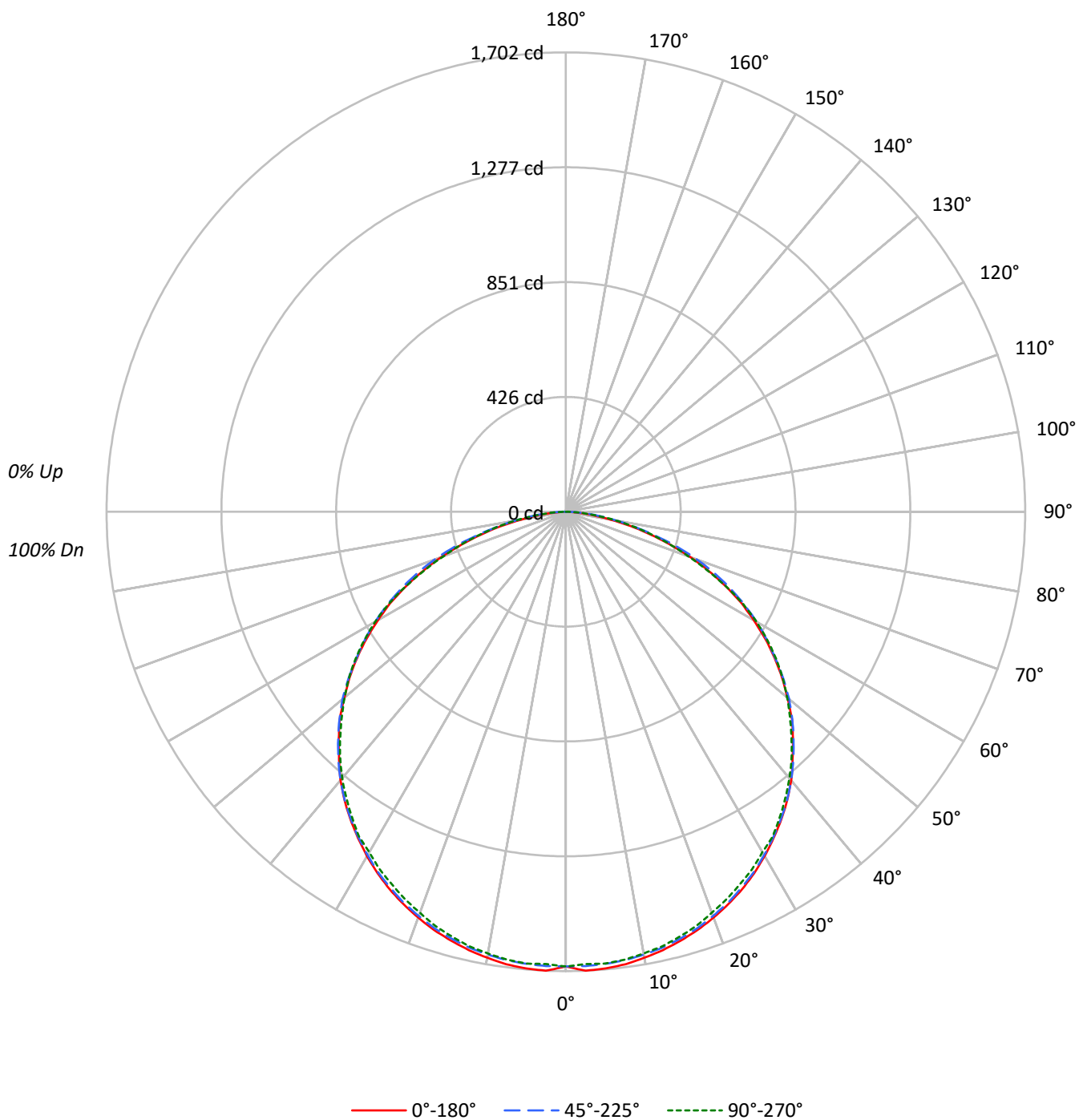
Lumens per Lamp: N/A
Luminaire Lumens: 5053.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 46
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: P1213490

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L935-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1213490

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L935-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°	13612	13612	13612
5°	13736	13302	13196
10°	13691	13010	12789
15°	13647	12718	12389
20°	13607	12406	11962
25°	13569	12093	11563
30°	13505	11757	11170
35°	13436	11409	10794
40°	13356	11035	10342
45°	13186	10592	9825
50°	12986	10111	9298
55°	12737	9466	8732
60°	12327	8810	7989
65°	11725	7958	6948
70°	10686	6837	5634
75°	9076	5219	4330
80°	6783	3437	2839
85°	3505	1674	1267

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13186 cd/sqm

TEST NUMBER: P1213490

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	3.2
10°-20°	461.0	9.1
20°-30°	705.7	14.0
30°-40°	864.7	17.1
40°-50°	914.6	18.1
50°-60°	844.2	16.7
60°-70°	651.6	12.9
70°-80°	361.7	7.2
80°-90°	89.6	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°	1326.7	26.3
0°-40°	2191.4	43.4
0°-60°	3950.2	78.2
0°-90°	5053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1684	1684	1684	1684	1684	
5°	1698	1676	1681	1677	1680	161
15°	1645	1626	1637	1632	1630	465
25°	1544	1526	1538	1525	1524	712
35°	1392	1377	1389	1374	1382	871
45°	1190	1179	1193	1181	1182	918
55°	944	937	948	947	952	843
65°	654	648	673	669	656	645
75°	325	344	346	346	333	344
85°	51	76	77	78	72	69
90°	0	0	0	0	0	



TEST NUMBER: P1213490

CATALOG NUMBER: 4SNLED-LD5-60SL-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1684.4	1684.4	1684.4	1684.4	1684.4
2.5°	1702.1	1680.2	1684.4	1681.9	1676.9
5°	1697.9	1676.0	1681.1	1676.9	1680.2
7.5°	1691.2	1667.6	1676.0	1670.1	1673.5
10°	1677.7	1657.5	1665.9	1659.2	1661.7
12.5°	1663.4	1642.4	1654.2	1645.7	1649.1
15°	1644.9	1625.6	1637.3	1631.5	1629.8
17.5°	1624.7	1606.2	1618.0	1611.3	1608.7
20°	1600.3	1582.7	1593.6	1583.5	1581.0
22.5°	1573.4	1555.8	1568.4	1554.1	1554.9
25°	1544.0	1525.5	1538.1	1524.6	1523.8
27.5°	1510.4	1492.7	1506.1	1491.9	1493.5
30°	1473.4	1455.7	1469.1	1454.8	1456.5
32.5°	1433.0	1418.7	1430.5	1417.0	1426.3
35°	1391.8	1376.6	1389.3	1374.1	1381.7
37.5°	1347.2	1332.9	1346.4	1329.5	1336.3
40°	1299.3	1286.7	1298.4	1283.3	1289.2
42.5°	1243.8	1236.2	1248.0	1232.8	1237.9
45°	1189.9	1179.0	1193.3	1180.7	1182.4
47.5°	1136.1	1124.4	1137.8	1126.9	1126.0
50°	1071.4	1067.2	1079.8	1071.4	1070.5
52.5°	1010.0	1001.6	1015.0	1010.8	1013.3
55°	944.4	936.8	947.8	946.9	952.0
57.5°	876.3	868.7	883.0	881.3	885.5
60°	804.0	798.1	816.6	812.4	815.7
62.5°	733.3	722.4	745.9	742.6	740.9
65°	654.3	647.5	672.8	668.6	655.9
67.5°	572.7	570.2	596.2	587.8	566.8
70°	491.1	492.8	518.0	502.0	484.4
72.5°	405.3	418.0	433.1	421.3	408.7
75°	324.6	344.0	346.5	345.6	333.0
77.5°	245.6	269.9	264.1	269.9	259.9
80°	171.6	198.5	194.3	199.3	190.9
82.5°	106.0	130.3	131.2	134.6	127.0
85°	51.3	75.7	77.4	78.2	72.3
87.5°	10.9	35.3	36.2	33.6	29.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)