

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: P1213186

Luminaire Tested: 4SNLED-LD5-80SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213186
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-LD5-80SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

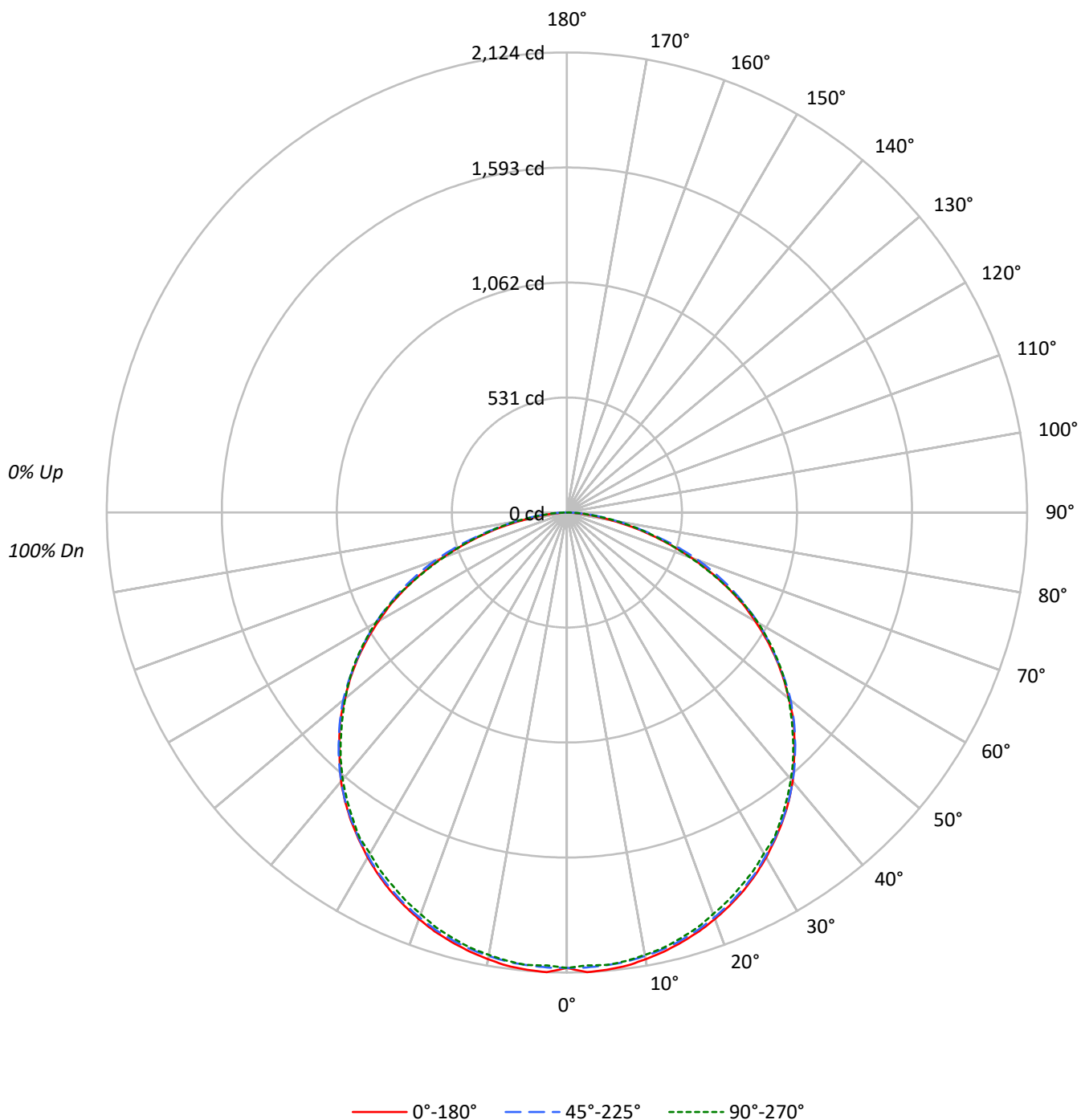
Lumens per Lamp: N/A
Luminaire Lumens: 6307.0 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 70
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: P1213186

CATALOG NUMBER: 4SNLED-LD5-80SL-UNV-L930-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1213186

CATALOG NUMBER: 4SNLED-LD5-80SL-UNV-L930-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°	16990	16990	16990
5°	17144	16604	16471
10°	17089	16240	15963
15°	17034	15875	15463
20°	16985	15485	14930
25°	16937	15094	14433
30°	16856	14675	13942
35°	16771	14239	13472
40°	16670	13774	12909
45°	16460	13221	12263
50°	16209	12620	11606
55°	15898	11815	10898
60°	15386	10996	9972
65°	14634	9932	8673
70°	13338	8535	7032
75°	11330	6514	5406
80°	8464	4290	3544
85°	4372	2090	1583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16460 cd/sqm

TEST NUMBER: P1213186

CATALOG NUMBER: 4SNLED-LD5-80SL-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	3.2
10°-20°	575.5	9.1
20°-30°	880.9	14.0
30°-40°	1079.3	17.1
40°-50°	1141.6	18.1
50°-60°	1053.7	16.7
60°-70°	813.3	12.9
70°-80°	451.4	7.2
80°-90°	111.8	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°	1655.9	26.3
0°-40°	2735.2	43.4
0°-60°	4930.5	78.2
0°-90°	6307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2102	2102	2102	2102	2102	
5°	2119	2092	2098	2093	2097	201
15°	2053	2029	2044	2036	2034	580
25°	1927	1904	1920	1903	1902	888
35°	1737	1718	1734	1715	1725	1087
45°	1485	1472	1490	1474	1476	1146
55°	1179	1169	1183	1182	1188	1052
65°	817	808	840	834	819	805
75°	405	429	432	431	416	430
85°	64	94	97	98	90	86
90°	0	0	0	0	0	

TEST NUMBER: P1213186

CATALOG NUMBER: 4SNLED-LD5-80SL-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2102.5	2102.5	2102.5	2102.5	2102.5
2.5°	2124.5	2097.2	2102.5	2099.3	2093.0
5°	2119.2	2092.0	2098.3	2093.0	2097.2
7.5°	2110.9	2081.5	2092.0	2084.6	2088.8
10°	2094.1	2068.9	2079.4	2071.0	2074.1
12.5°	2076.2	2050.0	2064.7	2054.2	2058.4
15°	2053.1	2029.0	2043.7	2036.3	2034.2
17.5°	2027.9	2004.8	2019.5	2011.1	2008.0
20°	1997.5	1975.4	1989.1	1976.5	1973.3
22.5°	1963.9	1941.9	1957.6	1939.8	1940.8
25°	1927.2	1904.1	1919.8	1903.0	1902.0
27.5°	1885.2	1863.1	1879.9	1862.1	1864.2
30°	1839.0	1816.9	1833.7	1815.9	1818.0
32.5°	1788.6	1770.8	1785.5	1768.7	1780.2
35°	1737.2	1718.3	1734.0	1715.1	1724.6
37.5°	1681.5	1663.7	1680.5	1659.5	1667.9
40°	1621.7	1606.0	1620.7	1601.8	1609.1
42.5°	1552.4	1543.0	1557.7	1538.8	1545.1
45°	1485.3	1471.6	1489.5	1473.7	1475.8
47.5°	1418.1	1403.4	1420.2	1406.5	1405.5
50°	1337.3	1332.0	1347.8	1337.3	1336.2
52.5°	1260.6	1250.1	1266.9	1261.7	1264.8
55°	1178.8	1169.3	1183.0	1181.9	1188.2
57.5°	1093.7	1084.3	1102.1	1100.0	1105.3
60°	1003.5	996.1	1019.2	1014.0	1018.2
62.5°	915.3	901.7	931.0	926.8	924.7
65°	816.6	808.2	839.7	834.5	818.7
67.5°	714.8	711.7	744.2	733.7	707.5
70°	613.0	615.1	646.6	626.6	604.6
72.5°	505.9	521.7	540.6	525.9	510.1
75°	405.2	429.3	432.5	431.4	415.7
77.5°	306.5	336.9	329.6	336.9	324.3
80°	214.1	247.7	242.5	248.8	238.3
82.5°	132.3	162.7	163.7	167.9	158.5
85°	64.0	94.5	96.6	97.6	90.3
87.5°	13.6	44.1	45.1	42.0	36.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)