

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: P1213405

Luminaire Tested: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)
Test Lab: INNOVATIONS CENTER-P3
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

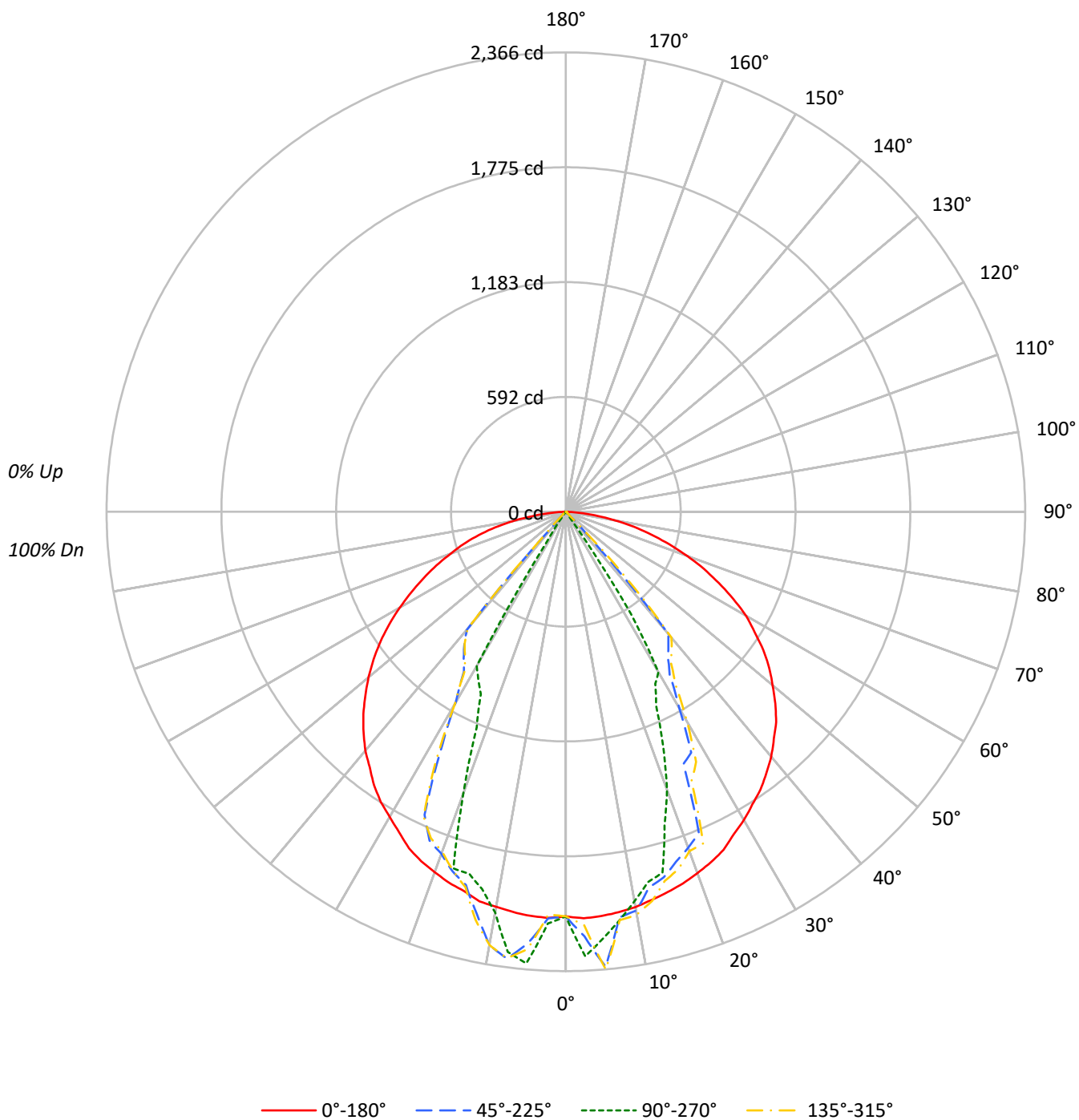
Lumens per Lamp: N/A
Luminaire Lumens: 2963.1 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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	112	108	105	103	109	106	103	101	102	100	98		98	96	95		95	93	92	90
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87	85	82	81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	85	75	68	63	84	74	68	63	72	66	62		71	65	61		69	64	61	59
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56	51	47	45
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	63	52	45	41	62	52	45	41	51	45	41		50	44	41		49	44	40	39

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16839	16839	16839	16839
5°	16908	17319	16903	18341
10°	16867	15672	16858	16124
15°	16821	14628	16780	14666
20°	16841	11521	16793	11664
25°	16889	8338	16807	7868
30°	16813	7314	16635	7031
35°	16862	161	16615	195
40°	16920	35	16515	35
45°	16980	21	16343	16
50°	16850	17	16078	17
55°	16751	12	15722	12
60°	16435	13	15150	13
65°	15578	20	14469	14
70°	14452	22	13758	22
75°	12784	25	12994	25
80°	10385	28	10978	28
85°	6108	33	6237	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2°

Vertical Angle: 45°

Luminance: 18334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	7.1
10°-20°	570.2	19.2
20°-30°	725.6	24.5
30°-40°	613.0	20.7
40°-50°	400.7	13.5
50°-60°	252.5	8.5
60°-70°	134.4	4.5
70°-80°	49.0	1.7
80°-90°	8.4	0.3
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°	1504.9	50.8
0°-40°	2117.9	71.5
0°-60°	2771.2	93.5
0°-90°	2963.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2963.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2084	2084	2084	2084	2084	
5°	2090	2205	2089	2335	2090	199
15°	2028	1924	2022	1929	2028	573
25°	1922	1099	1912	1037	1922	884
35°	1747	21	1721	25	1747	1093
45°	1532	2	1475	2	1532	1178
55°	1242	1	1166	1	1242	1107
65°	869	2	807	1	869	861
75°	457	2	465	2	457	485
85°	89	2	91	2	89	113
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2095.7	2096.9	2097.6	2098.8	2100.7	2101.3	2102.6	2101.3	2101.3	2101.3	2101.3
5°	2090.1	2092.6	2094.4	2096.9	2101.3	2101.9	2106.9	2107.6	2110.1	2115.1	2118.8
7.5°	2080.7	2083.2	2086.9	2093.2	2099.4	2106.3	2115.1	2124.5	2137.6	2150.1	2165.7
10°	2066.9	2070.0	2074.4	2080.1	2110.7	2115.1	2134.5	2161.4	2168.9	2208.3	2237.6
12.5°	2046.9	2057.5	2068.8	2073.8	2103.2	2149.5	2214.5	2201.4	2187.0	2315.8	2313.9
15°	2027.5	2041.9	2036.3	2076.9	2103.8	2184.5	2157.0	2215.8	2323.3	2297.1	2298.3
17.5°	2006.9	2010.0	2041.3	2075.0	2123.2	2164.5	2198.2	2278.9	2300.2	2302.1	2278.9
20°	1980.6	1995.6	2041.3	2071.9	2153.2	2172.6	2245.8	2287.1	2278.3	2257.0	2217.6
22.5°	1953.7	1999.4	2045.7	2088.8	2145.7	2197.6	2233.9	2253.3	2207.6	2123.8	2078.8
25°	1921.8	1948.7	2009.4	2072.5	2143.8	2173.9	2195.1	2163.9	2104.4	2029.4	1953.7
27.5°	1872.4	1915.6	1993.1	2064.4	2128.8	2165.1	2130.7	2055.7	1960.0	1910.6	1876.2
30°	1834.3	1890.6	1954.3	2023.1	2090.1	2111.3	2023.8	1938.1	1872.4	1823.0	1815.5
32.5°	1788.0	1868.0	1928.7	1994.4	2050.7	2022.5	1937.5	1826.8	1772.4	1753.6	1761.1
35°	1746.7	1807.4	1886.8	1951.2	1991.9	1928.7	1794.2	1725.5	1699.2	1709.8	1696.1
37.5°	1697.3	1777.4	1850.5	1906.2	1892.4	1797.4	1683.6	1639.8	1642.9	1634.1	1607.9
40°	1646.0	1722.3	1798.6	1851.2	1803.0	1657.9	1582.2	1572.9	1574.7	1546.6	1509.1
42.5°	1586.0	1655.4	1731.7	1779.2	1675.4	1562.2	1510.9	1512.2	1495.9	1456.5	1436.5
45°	1532.2	1596.0	1675.4	1679.8	1552.2	1457.8	1442.8	1426.5	1390.2	1377.1	1362.1
47.5°	1463.4	1534.1	1599.8	1576.0	1431.5	1372.7	1361.5	1325.8	1307.7	1297.7	1285.2
50°	1390.2	1461.5	1521.6	1454.0	1317.7	1303.9	1267.0	1238.9	1226.4	1215.8	1204.5
52.5°	1320.8	1379.6	1440.9	1324.6	1230.1	1217.0	1175.1	1158.8	1146.3	1134.5	1132.0
55°	1242.0	1293.9	1335.8	1201.4	1146.3	1115.7	1085.7	1074.4	1062.5	1056.9	1066.3
57.5°	1152.6	1211.4	1205.1	1080.1	1055.7	1011.3	1000.0	992.5	983.7	987.5	909.3
60°	1071.9	1116.9	1086.3	991.2	950.0	920.0	909.9	904.9	909.9	833.6	733.0
62.5°	972.5	1023.1	961.2	887.4	843.7	829.3	820.5	827.4	754.2	670.4	646.0
65°	869.3	924.3	833.0	776.1	748.6	736.1	735.5	677.3	605.4	572.9	572.9
67.5°	769.9	826.8	709.2	661.7	651.0	652.3	616.0	527.8	507.8	485.9	422.8
70°	664.2	714.2	586.0	557.2	551.0	546.6	458.4	434.6	410.9	352.7	347.7
72.5°	559.1	583.5	470.9	464.0	462.8	384.6	367.1	326.5	298.9	292.1	288.9
75°	457.2	449.7	372.1	378.4	318.9	291.4	263.3	239.5	235.8	233.3	58.2
77.5°	360.9	323.3	293.3	255.2	228.3	193.9	188.2	184.5	121.3	43.8	35.6
80°	262.7	209.5	195.1	165.7	141.3	135.7	138.8	42.5	33.8	28.1	24.4
82.5°	167.0	133.8	109.4	95.7	93.2	40.7	30.0	24.4	21.3	18.1	15.0
85°	89.4	59.4	55.0	46.3	27.5	18.8	15.6	11.9	10.0	8.1	7.5
87.5°	28.1	23.8	19.4	15.6	9.4	6.3	5.0	4.4	3.8	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	11°	12°	13°	14°	15°	16°	17°	18°	19°	20°	25°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2100.1	2101.3	2100.7	2102.6	2102.6	2105.1	2106.9	2108.8	2112.6	2114.4	2128.8
5°	2127.0	2130.1	2139.5	2148.2	2158.9	2162.0	2180.1	2184.5	2205.8	2208.3	2278.3
7.5°	2187.0	2198.9	2221.4	2243.9	2266.4	2280.8	2305.8	2321.5	2338.3	2353.3	2409.0
10°	2259.5	2279.6	2301.4	2324.0	2337.1	2364.6	2379.6	2382.1	2377.7	2353.3	2263.3
12.5°	2330.8	2350.8	2341.5	2345.8	2361.5	2312.7	2319.6	2284.6	2308.9	2188.2	2098.8
15°	2320.8	2319.6	2296.4	2221.4	2233.9	2140.7	2103.2	2074.4	2097.6	2085.1	2071.3
17.5°	2290.8	2233.9	2193.9	2103.8	2065.7	2039.4	2040.0	2040.7	2029.4	2041.3	2006.3
20°	2163.9	2100.1	2040.7	2008.8	1997.5	1978.7	1988.1	1978.7	1979.4	1983.1	1929.3
22.5°	1995.0	1975.6	1941.2	1951.2	1947.5	1964.4	1951.8	1932.5	1938.7	1910.6	1869.9
25°	1926.8	1904.3	1903.1	1906.8	1901.2	1893.7	1882.4	1853.0	1851.2	1842.4	1823.6
27.5°	1858.0	1859.3	1863.0	1851.8	1831.8	1816.8	1799.9	1785.5	1791.1	1781.1	1755.5
30°	1810.5	1809.9	1787.4	1777.4	1740.5	1741.1	1736.7	1728.0	1722.3	1723.0	1706.7
32.5°	1743.0	1723.6	1697.9	1685.4	1682.3	1671.0	1662.3	1664.2	1668.5	1652.9	1669.8
35°	1673.5	1633.5	1629.8	1619.1	1609.1	1601.6	1604.8	1592.2	1591.6	1589.7	1452.2
37.5°	1580.4	1561.0	1559.1	1547.8	1541.0	1539.1	1527.2	1529.1	1534.7	1544.7	1238.3
40°	1503.4	1485.9	1481.6	1480.9	1465.9	1464.7	1467.8	1479.7	1487.8	1425.3	1180.1
42.5°	1420.9	1422.1	1408.4	1399.6	1401.5	1407.1	1422.1	1380.9	1196.4	1140.1	1078.8
45°	1350.2	1344.0	1336.5	1334.0	1350.2	1339.0	1173.9	1083.2	1061.3	1058.8	886.8
47.5°	1276.4	1274.5	1271.4	1273.3	1180.7	1052.5	1015.0	1003.1	1006.9	1004.4	761.7
50°	1202.0	1204.5	1204.5	1051.9	965.6	944.3	947.5	958.1	891.8	832.4	709.8
52.5°	1137.6	1118.2	958.1	903.1	883.7	893.1	870.5	787.4	727.3	692.3	656.7
55°	1018.1	875.5	839.9	831.1	838.0	754.8	703.6	649.8	634.1	630.4	609.8
57.5°	801.1	772.4	775.5	740.5	661.0	614.1	593.5	586.0	579.1	574.1	50.0
60°	708.6	716.7	656.0	581.0	549.1	542.8	537.8	531.0	529.7	521.0	31.9
62.5°	648.5	570.4	517.8	499.1	491.6	489.7	480.3	477.2	405.3	55.7	23.8
65°	489.1	457.2	447.2	442.8	434.6	434.6	360.9	56.9	46.3	40.0	21.3
67.5°	399.0	396.5	391.5	385.9	262.7	55.0	48.2	41.9	36.3	31.9	18.8
70°	337.7	336.5	306.4	56.3	46.9	41.3	36.3	32.5	30.0	26.9	16.9
72.5°	277.0	56.3	47.5	41.3	35.6	32.5	29.4	26.3	23.8	21.9	13.8
75°	43.2	38.1	33.8	30.6	28.1	25.0	22.5	20.6	20.0	17.5	9.4
77.5°	31.3	26.9	24.4	21.9	19.4	17.5	15.0	13.1	11.9	10.0	6.9
80°	21.9	19.4	17.5	14.4	12.5	10.6	9.4	8.1	7.5	6.3	3.1
82.5°	12.5	10.6	9.4	7.5	6.9	5.6	5.0	4.4	4.4	3.1	3.1
85°	5.6	5.6	4.4	3.8	3.1	3.1	3.1	2.5	2.5	1.9	1.9
87.5°	2.5	2.5	2.5	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2148.8	2157.0	2172.6	2188.9	2170.7	2235.8	2230.8	2252.7	2264.5	2270.2	2283.3
5°	2340.2	2376.5	2388.4	2352.7	2332.1	2310.8	2262.7	2226.4	2230.8	2218.9	2175.7
7.5°	2336.5	2258.9	2154.5	2106.9	2103.2	2097.6	2112.6	2121.3	2122.6	2122.0	2120.7
10°	2138.8	2098.8	2091.9	2085.7	2088.2	2065.0	2054.4	2024.4	2040.7	2031.9	2035.0
12.5°	2078.8	2069.4	2032.5	1981.2	2011.9	1988.7	1975.6	1984.4	1974.4	1965.0	1961.9
15°	2043.2	1982.5	1961.9	1949.3	1940.6	1935.6	1940.0	1930.0	1926.8	1925.0	1929.3
17.5°	1969.4	1945.0	1922.5	1889.3	1889.9	1888.1	1900.6	1919.3	1920.6	1824.3	1737.3
20°	1911.2	1891.2	1862.4	1841.8	1869.9	1819.9	1626.6	1534.7	1520.3	1520.3	1522.8
22.5°	1864.9	1820.5	1822.4	1789.9	1526.6	1472.8	1474.0	1479.7	1454.0	1366.5	1357.1
25°	1801.8	1794.9	1657.9	1432.8	1434.6	1392.7	1328.3	1237.6	1139.5	1139.5	1123.2
27.5°	1754.2	1608.5	1408.4	1399.0	1258.3	1169.5	1114.4	1031.3	1020.0	1009.4	1010.6
30°	1713.6	1360.9	1365.9	1169.5	1065.7	991.9	987.5	973.7	966.9	965.0	958.1
32.5°	1354.6	1325.2	1143.2	995.6	955.0	943.1	937.5	921.8	921.2	909.3	826.8
35°	1270.2	1163.2	956.8	916.8	904.9	893.7	884.3	593.5	70.0	28.1	24.4
37.5°	1173.9	971.9	884.9	866.8	855.5	632.3	63.2	21.9	15.6	11.3	10.0
40°	995.0	868.0	840.5	820.5	338.3	21.9	13.8	10.6	6.3	5.6	5.0
42.5°	839.3	818.0	788.6	240.2	25.0	10.6	6.9	5.0	4.4	4.4	3.8
45°	785.5	766.7	317.7	23.8	15.6	5.0	4.4	4.4	3.8	2.5	2.5
47.5°	735.5	647.3	28.8	15.0	10.0	4.4	3.8	2.5	2.5	2.5	1.9
50°	682.3	35.6	20.0	11.3	6.3	2.5	2.5	2.5	2.5	1.9	1.9
52.5°	127.6	25.0	16.3	10.0	3.1	2.5	2.5	2.5	1.9	1.9	1.9
55°	30.0	20.0	15.0	8.8	2.5	2.5	2.5	1.9	1.9	1.9	1.3
57.5°	22.5	15.0	11.9	8.1	2.5	1.9	1.9	1.9	1.9	1.9	1.3
60°	18.8	10.6	9.4	7.5	1.9	1.9	1.9	1.9	1.9	1.9	1.3
62.5°	13.1	8.8	6.9	5.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9
65°	10.6	6.9	5.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
67.5°	9.4	5.6	3.8	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70°	7.5	1.9	1.9	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	6.3	1.9	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	6.3	3.1	1.3	1.3	1.9	1.9	2.5	2.5	1.9	1.9	1.9
77.5°	4.4	3.1	1.3	1.3	1.9	1.9	2.5	2.5	1.9	1.9	1.9
80°	2.5	3.1	1.3	1.9	1.9	3.8	4.4	2.5	1.9	1.9	1.9
82.5°	2.5	3.1	3.8	3.8	1.9	3.1	3.8	3.1	2.5	1.9	1.9
85°	2.5	1.9	2.5	3.1	1.9	3.1	3.1	2.5	2.5	1.9	1.9
87.5°	1.3	1.9	1.9	2.5	2.5	2.5	3.1	2.5	2.5	2.5	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	85°	90°	95°	100°	105°	110°	115°	120°	125°	130°	135°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2289.6	2292.1	2252.7	2238.9	2250.8	2248.3	2237.6	2198.2	2193.9	2167.6	2129.5
5°	2188.2	2205.1	2184.5	2220.1	2203.3	2220.1	2271.4	2295.2	2334.0	2357.7	2366.5
7.5°	2117.6	2121.3	2121.3	2124.5	2127.6	2128.2	2124.5	2122.0	2111.3	2098.2	2122.0
10°	2031.9	2036.3	2043.8	2042.5	2041.9	2055.0	2058.2	2085.1	2083.8	2088.8	2106.9
12.5°	1987.5	1953.7	1984.4	1976.2	1987.5	1970.0	2002.5	1996.9	1998.8	2013.8	2052.5
15°	1913.7	1924.3	1931.8	1931.8	1936.2	1932.5	1928.7	1954.3	1970.0	1970.6	1968.1
17.5°	1771.7	1691.1	1773.6	1752.3	1921.8	1926.2	1911.8	1899.9	1899.9	1909.3	1929.3
20°	1521.0	1522.8	1523.5	1531.6	1541.6	1541.0	1541.6	1788.0	1904.9	1878.0	1859.9
22.5°	1333.3	1310.2	1353.3	1350.2	1404.0	1463.4	1520.3	1514.7	1518.4	1692.3	1848.7
25°	1068.8	1098.8	1074.4	1085.1	1145.7	1216.4	1260.2	1374.6	1499.1	1490.3	1531.0
27.5°	1006.3	998.1	1009.4	1009.4	1017.5	1026.9	1051.3	1115.7	1226.4	1342.7	1452.8
30°	946.8	953.7	955.0	966.2	972.5	978.7	982.5	1006.9	1031.9	1112.6	1248.3
32.5°	711.1	623.5	820.5	873.7	918.7	929.3	936.8	946.8	965.0	976.9	1045.0
35°	20.6	20.6	21.9	25.0	31.9	215.1	819.3	903.1	914.9	930.0	942.5
37.5°	10.0	7.5	8.8	9.4	11.3	15.6	22.5	70.0	779.9	881.8	895.6
40°	4.4	4.4	4.4	4.4	5.0	6.3	9.4	15.6	23.8	627.3	846.2
42.5°	3.8	3.8	3.8	3.8	3.8	3.8	4.4	5.6	11.3	26.9	444.0
45°	2.5	2.5	1.9	2.5	2.5	3.1	3.8	3.8	5.0	16.9	30.6
47.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.1	3.8	11.3	16.3
50°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	8.8	11.3
52.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	10.0
55°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9	2.5	8.8
57.5°	1.3	1.3	1.3	1.3	1.3	1.9	1.3	1.3	1.9	1.9	8.1
60°	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	7.5
62.5°	1.9	1.9	1.3	1.9	1.3	1.3	1.9	1.9	1.9	1.9	5.0
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.9
67.5°	1.9	1.9	1.9	1.9	1.3	1.9	1.3	1.9	1.9	1.3	1.3
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3
75°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	1.3	1.3	1.3
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	3.1	3.8	3.1	3.1	1.3
80°	1.9	1.9	1.9	1.9	1.9	1.9	3.1	3.1	3.1	3.1	4.4
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5	3.1
85°	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	1.9	2.5
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	140°	145°	150°	155°	160°	161°	162°	163°	164°	165°	166°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2132.6	2111.3	2104.4	2090.1	2088.8	2090.1	2086.9	2082.6	2085.1	2080.7	2076.9
5°	2371.5	2314.6	2277.7	2228.3	2160.1	2145.1	2141.3	2120.1	2112.6	2110.1	2100.1
7.5°	2178.2	2282.1	2344.6	2365.9	2285.8	2267.0	2245.2	2227.6	2210.8	2178.9	2159.5
10°	2092.6	2097.6	2157.6	2227.6	2341.5	2357.1	2369.0	2330.8	2320.2	2238.9	2221.4
12.5°	2072.5	2073.2	2080.1	2122.6	2212.0	2222.0	2263.9	2286.4	2313.9	2329.6	2317.1
15°	1981.2	2031.9	2069.4	2073.2	2081.3	2098.8	2111.3	2189.5	2222.6	2311.4	2306.4
17.5°	1938.7	1955.0	2009.4	2053.8	2046.3	2040.0	2050.0	2060.7	2092.6	2181.4	2180.1
20°	1868.0	1920.0	1949.3	1995.6	2037.5	2039.4	2028.1	2021.9	2009.4	2023.8	2036.9
22.5°	1838.0	1846.2	1901.2	1933.7	1981.2	1998.1	2000.6	2001.3	1994.4	1986.9	1983.1
25°	1834.9	1809.3	1837.4	1878.0	1913.1	1931.2	1951.8	1958.7	1956.2	1956.2	1952.5
27.5°	1501.6	1801.1	1786.1	1813.0	1855.5	1868.0	1878.7	1899.9	1913.1	1922.5	1926.8
30°	1430.3	1484.1	1746.1	1749.8	1793.0	1791.7	1803.6	1821.1	1838.0	1859.9	1865.5
32.5°	1265.2	1397.1	1598.5	1686.7	1731.7	1736.1	1742.3	1747.3	1763.0	1787.4	1808.6
35°	1013.8	1272.7	1369.6	1656.7	1664.8	1673.5	1677.3	1689.2	1694.2	1704.2	1723.0
37.5°	917.4	1051.9	1313.9	1432.8	1587.9	1595.4	1615.4	1620.4	1628.5	1636.6	1651.0
40°	861.8	898.7	1093.8	1279.6	1526.0	1531.0	1537.8	1550.3	1551.0	1560.4	1573.5
42.5°	817.4	841.2	898.1	1222.0	1482.2	1481.6	1465.3	1473.4	1477.2	1487.2	1505.3
45°	652.9	789.2	825.5	998.1	1180.1	1265.2	1428.4	1401.5	1400.9	1404.6	1424.0
47.5°	33.1	742.3	768.0	823.6	1114.4	1117.6	1138.8	1317.7	1345.2	1336.5	1338.3
50°	22.5	51.3	715.4	741.1	960.6	1038.1	1053.8	1061.9	1165.1	1280.2	1261.4
52.5°	17.5	29.4	438.4	687.9	780.5	837.4	938.1	995.6	1001.9	1048.2	1205.1
55°	15.6	22.5	47.5	634.8	663.5	676.0	734.8	835.5	916.8	941.2	943.1
57.5°	13.8	20.6	32.5	287.1	603.5	606.0	616.0	651.0	724.2	791.1	866.8
60°	12.5	18.1	25.6	49.4	548.5	554.7	556.6	566.0	574.7	620.4	707.3
62.5°	7.5	14.4	22.5	35.6	434.0	498.4	497.8	504.1	512.2	517.2	534.7
65°	6.3	11.3	19.4	30.0	53.2	66.3	402.8	447.8	452.8	459.7	462.8
67.5°	5.6	10.0	14.4	23.8	40.0	45.7	52.5	65.0	355.2	400.3	406.5
70°	5.0	6.9	11.9	20.0	32.5	35.0	39.4	45.0	53.2	65.7	321.5
72.5°	3.1	5.0	8.1	14.4	25.0	28.1	30.6	34.4	38.1	45.7	52.5
75°	1.3	3.8	6.9	10.6	19.4	21.3	23.1	25.6	28.8	33.8	37.5
77.5°	1.3	3.1	5.6	7.5	12.5	14.4	16.9	18.8	21.3	23.8	27.5
80°	4.4	2.5	3.8	5.6	8.8	9.4	10.6	11.9	13.8	15.6	18.1
82.5°	3.1	3.8	4.4	3.8	4.4	5.6	6.3	7.5	8.1	9.4	10.0
85°	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.8	4.4	5.6
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	167°	168°	169°	170°	171°	172°	173°	174°	175°	176°	177°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2076.9	2075.7	2071.9	2071.9	2071.3	2073.8	2075.7	2077.5	2076.9	2080.7	2076.9
5°	2092.6	2089.4	2083.8	2078.8	2076.9	2078.2	2076.3	2078.2	2075.7	2078.8	2073.2
7.5°	2135.7	2125.1	2103.2	2094.4	2083.2	2082.6	2076.9	2075.7	2071.9	2071.9	2065.0
10°	2212.0	2160.7	2154.5	2128.2	2118.8	2073.2	2083.2	2066.3	2064.4	2056.3	2053.2
12.5°	2274.5	2234.5	2222.6	2199.5	2173.2	2080.7	2101.3	2065.0	2063.2	2046.9	2030.0
15°	2275.8	2298.9	2266.4	2202.6	2197.0	2133.2	2091.3	2078.8	2062.5	2013.8	2021.9
17.5°	2202.6	2255.8	2271.4	2257.7	2217.6	2174.5	2115.7	2090.7	2041.9	2020.0	2005.0
20°	2083.8	2137.6	2204.5	2208.9	2233.9	2203.3	2126.3	2085.7	2026.9	1988.7	1976.2
22.5°	1989.4	2028.8	2105.7	2141.3	2172.0	2182.6	2133.8	2073.8	2000.6	1963.7	1956.2
25°	1939.3	1948.1	1971.2	2013.1	2080.7	2129.5	2136.3	2072.5	2034.4	1953.7	1911.2
27.5°	1921.2	1913.7	1904.3	1925.6	1976.2	2035.6	2075.0	2085.7	1990.6	1913.7	1871.2
30°	1874.9	1879.3	1864.9	1857.4	1890.6	1951.8	2021.9	2039.4	1966.2	1886.8	1838.0
32.5°	1818.0	1825.5	1828.0	1814.9	1808.0	1850.5	1926.2	1968.1	1964.4	1848.7	1794.2
35°	1746.7	1768.0	1773.6	1774.2	1763.0	1756.1	1799.9	1886.8	1920.0	1831.1	1752.3
37.5°	1671.7	1677.9	1708.6	1716.7	1716.7	1696.1	1728.6	1798.0	1844.3	1791.7	1701.1
40°	1577.9	1597.9	1626.6	1641.0	1655.4	1657.3	1639.2	1687.9	1764.2	1751.1	1652.9
42.5°	1509.7	1522.8	1540.3	1559.7	1589.1	1596.6	1577.9	1586.6	1666.0	1700.4	1590.4
45°	1430.3	1447.8	1452.8	1474.0	1504.7	1526.6	1526.0	1507.8	1571.6	1614.1	1544.7
47.5°	1349.0	1365.9	1374.6	1385.2	1407.8	1435.9	1451.5	1443.4	1455.9	1539.1	1484.1
50°	1265.2	1274.5	1292.1	1303.9	1318.9	1335.2	1372.7	1380.2	1362.7	1429.0	1417.1
52.5°	1185.7	1188.9	1200.8	1212.6	1232.6	1244.5	1274.5	1297.1	1295.8	1315.2	1342.7
55°	1123.8	1110.1	1112.6	1122.0	1135.1	1153.2	1170.1	1205.1	1217.0	1220.8	1264.5
57.5°	878.0	1019.4	1031.9	1031.3	1046.9	1055.0	1070.7	1093.8	1136.3	1127.0	1175.7
60°	798.0	813.6	931.8	945.6	951.2	958.7	977.5	998.7	1030.0	1050.0	1071.3
62.5°	608.5	703.6	739.2	843.7	859.9	864.3	876.8	886.8	919.3	965.0	956.2
65°	470.9	511.6	620.4	662.9	751.7	763.0	780.5	791.1	800.5	853.0	855.5
67.5°	407.1	413.4	442.8	524.7	581.0	667.9	678.5	687.9	702.3	739.8	763.0
70°	347.7	355.2	363.4	370.2	443.4	500.9	581.6	584.7	594.1	619.1	671.7
72.5°	65.7	297.1	302.1	306.4	314.6	352.7	429.6	492.2	495.9	507.8	556.0
75°	44.4	51.9	71.3	245.2	253.3	255.8	268.9	347.1	404.6	407.1	428.4
77.5°	31.9	35.6	43.2	51.3	130.7	196.4	199.5	213.9	273.3	316.4	320.2
80°	21.9	24.4	28.8	32.5	40.0	52.5	145.1	149.5	157.0	216.4	227.6
82.5°	12.5	14.4	16.9	20.6	23.8	30.0	38.8	50.0	101.9	108.8	144.5
85°	6.3	6.9	8.1	10.0	11.9	14.4	19.4	23.8	32.5	58.8	60.7
87.5°	3.1	3.1	3.1	3.1	5.0	5.6	6.9	8.8	11.3	16.9	21.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	178°	179°	180°	181°	182°	183°	184°	185°	186°	187°	188°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2077.5	2086.3	2093.8	2095.7	2095.7	2096.9	2098.8	2100.1	2101.3	2102.6	2101.3
5°	2073.8	2083.2	2089.4	2091.3	2091.3	2095.1	2098.2	2101.9	2103.8	2103.8	2102.6
7.5°	2064.4	2071.3	2079.4	2084.4	2085.1	2091.3	2096.9	2096.3	2098.8	2100.1	2103.2
10°	2051.9	2051.9	2065.7	2069.4	2072.5	2079.4	2081.3	2085.1	2093.8	2095.1	2103.2
12.5°	2045.7	2039.4	2055.7	2057.5	2068.2	2059.4	2070.7	2074.4	2065.7	2077.5	2061.9
15°	2017.5	2025.0	2022.5	2028.1	2046.9	2036.9	2067.5	2057.5	2080.1	2053.2	2100.7
17.5°	1994.4	1993.1	2003.1	2008.1	2011.9	2033.1	2041.3	2052.5	2061.3	2053.8	2072.5
20°	1977.5	1967.5	1975.0	1980.6	1993.7	2010.0	2015.0	1998.1	2027.5	2077.5	2089.4
22.5°	1945.6	1938.7	1947.5	1947.5	1967.5	1965.0	1983.7	1973.1	2000.6	2058.8	2119.5
25°	1902.4	1903.1	1912.4	1923.7	1927.5	1955.6	1965.6	1979.4	2013.8	2083.2	2120.1
27.5°	1858.7	1854.9	1860.5	1883.7	1903.1	1923.7	1926.8	1973.7	2020.6	2068.2	2100.7
30°	1814.9	1811.1	1814.9	1831.8	1854.9	1868.7	1903.1	1965.6	2009.4	2041.9	2072.5
32.5°	1768.0	1764.2	1773.0	1785.5	1826.1	1828.0	1896.2	1955.0	1989.4	2013.1	2007.5
35°	1717.9	1712.9	1721.1	1740.5	1778.0	1791.7	1863.0	1906.8	1945.6	1956.8	1930.6
37.5°	1657.9	1649.2	1659.2	1686.1	1725.5	1765.5	1824.9	1875.5	1896.2	1866.2	1834.9
40°	1595.4	1589.1	1606.6	1620.4	1666.7	1722.3	1790.5	1826.1	1813.0	1778.6	1744.2
42.5°	1539.7	1526.6	1542.2	1568.5	1621.0	1684.2	1739.2	1759.2	1728.0	1677.3	1637.3
45°	1471.5	1455.9	1474.7	1509.7	1566.0	1637.9	1681.1	1674.2	1621.0	1577.2	1522.2
47.5°	1400.3	1381.5	1400.3	1442.2	1505.3	1581.6	1612.9	1581.6	1514.7	1459.7	1415.3
50°	1330.2	1308.3	1326.5	1389.6	1451.5	1510.3	1509.7	1449.0	1409.0	1349.0	1310.2
52.5°	1260.8	1229.5	1247.7	1316.4	1378.4	1445.3	1395.9	1339.6	1291.4	1238.9	1226.4
55°	1175.1	1141.3	1165.7	1265.8	1313.3	1352.7	1273.9	1224.5	1177.0	1150.7	1135.1
57.5°	1093.8	1056.9	1078.2	1196.4	1231.4	1241.4	1168.9	1098.8	1070.7	1061.9	1039.4
60°	1010.0	968.1	988.1	1124.5	1148.8	1108.2	1036.9	982.5	976.9	959.3	941.8
62.5°	930.0	883.7	896.2	1035.0	1046.3	972.5	906.8	892.4	878.7	861.2	851.8
65°	838.0	789.9	807.4	940.0	929.3	834.3	797.4	794.2	776.1	761.7	775.5
67.5°	753.6	696.7	721.1	836.1	788.0	710.4	695.4	687.9	673.5	681.7	537.2
70°	661.0	599.1	632.3	724.2	652.9	601.6	596.0	584.7	585.4	465.3	392.1
72.5°	557.8	504.1	552.2	601.6	516.6	501.6	493.4	492.2	397.1	322.7	304.6
75°	467.2	412.8	464.7	483.4	411.5	401.5	400.9	331.5	260.8	248.9	243.3
77.5°	364.6	322.7	372.1	344.0	315.8	304.6	273.3	205.1	196.4	188.2	70.7
80°	245.8	248.9	277.7	237.0	225.1	192.0	151.3	145.1	125.1	50.0	39.4
82.5°	149.5	187.6	177.0	148.2	145.1	104.4	95.7	48.8	36.3	28.8	25.0
85°	77.5	95.1	91.3	80.7	60.0	53.8	30.0	23.1	18.8	14.4	11.9
87.5°	26.3	35.0	33.8	26.9	20.6	16.3	10.6	8.8	6.3	5.0	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	189°	190°	191°	192°	193°	194°	195°	196°	197°	198°	199°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2100.1	2100.1	2098.8	2100.1	2100.7	2099.4	2099.4	2100.7	2101.3	2101.9	2105.1
5°	2103.2	2104.4	2106.3	2110.1	2110.7	2118.2	2121.3	2123.2	2125.1	2125.7	2121.3
7.5°	2110.1	2114.4	2118.2	2117.6	2113.2	2101.3	2097.6	2094.4	2100.1	2114.4	2131.3
10°	2116.3	2096.3	2058.8	2110.1	2094.4	2108.8	2151.3	2160.7	2189.5	2230.1	2242.0
12.5°	2073.2	2128.2	2140.1	2082.6	2188.9	2149.5	2196.4	2237.6	2249.5	2290.8	2265.8
15°	2119.5	2146.3	2164.5	2222.0	2215.8	2249.5	2262.7	2254.5	2256.4	2267.0	2295.2
17.5°	2118.8	2172.6	2184.5	2223.3	2249.5	2250.2	2246.4	2242.7	2252.7	2260.8	2243.9
20°	2155.1	2172.6	2195.7	2211.4	2216.4	2222.6	2234.5	2225.1	2206.4	2188.2	2180.7
22.5°	2137.0	2176.4	2196.4	2198.9	2195.7	2176.4	2158.9	2132.6	2123.8	2114.4	2117.6
25°	2140.7	2158.9	2156.3	2146.3	2133.2	2096.9	2088.2	2076.9	2060.0	2019.4	1982.5
27.5°	2113.8	2104.4	2093.2	2068.8	2045.0	2025.6	2003.8	1967.5	1937.5	1893.7	1877.4
30°	2068.8	2031.3	2003.8	1989.4	1966.2	1933.7	1900.6	1856.2	1818.0	1809.3	1801.1
32.5°	1982.5	1945.6	1923.1	1888.1	1848.7	1809.9	1771.7	1754.2	1746.1	1747.3	1739.8
35°	1894.3	1861.8	1828.0	1775.5	1746.1	1707.3	1693.6	1689.8	1682.3	1674.2	1665.4
37.5°	1800.5	1762.4	1711.7	1680.4	1651.0	1635.4	1628.5	1622.9	1609.8	1595.4	1585.4
40°	1709.8	1641.0	1612.9	1582.2	1573.5	1566.6	1556.6	1542.8	1524.7	1522.2	1517.8
42.5°	1588.5	1539.1	1514.7	1508.4	1497.8	1485.9	1477.2	1462.2	1454.7	1459.7	1463.4
45°	1473.4	1448.4	1440.3	1432.8	1412.8	1395.9	1390.2	1385.2	1391.5	1419.0	1353.3
47.5°	1380.2	1370.2	1360.2	1347.7	1329.0	1316.4	1322.1	1327.1	1332.7	1130.7	1031.9
50°	1299.6	1285.8	1270.2	1256.4	1245.2	1243.9	1273.3	1185.1	992.5	987.5	887.4
52.5°	1211.4	1190.7	1181.4	1173.2	1178.2	1197.0	990.6	919.3	881.8	766.1	714.8
55°	1116.3	1098.2	1098.2	1105.7	1078.8	874.3	863.7	746.7	676.0	656.0	647.9
57.5°	1021.3	1019.4	1030.0	941.8	793.6	761.1	639.8	614.1	602.9	600.4	587.2
60°	934.3	951.8	796.7	733.0	637.3	574.7	557.2	554.1	542.2	537.8	526.0
62.5°	864.9	717.3	667.9	545.3	513.4	505.3	495.9	491.6	480.9	424.6	124.5
65°	624.8	590.4	479.0	458.4	455.9	444.0	440.3	395.9	93.2	62.5	53.2
67.5°	471.5	418.4	404.0	400.3	388.4	364.6	108.2	61.9	53.2	46.3	40.7
70°	362.1	352.7	342.1	333.3	98.2	61.3	53.2	45.0	38.8	34.4	31.3
72.5°	296.4	290.2	168.9	64.4	52.5	44.4	39.4	34.4	30.0	27.5	25.0
75°	232.0	64.4	53.2	44.4	38.1	32.5	28.8	25.6	23.1	21.3	19.4
77.5°	52.5	42.5	36.3	30.6	27.5	24.4	21.9	18.8	16.9	15.0	12.5
80°	32.5	28.1	23.8	21.9	18.8	15.6	13.8	12.5	10.0	9.4	8.1
82.5°	21.3	16.9	15.0	12.5	10.0	9.4	8.1	6.3	5.6	5.0	4.4
85°	9.4	8.1	6.9	5.6	4.4	3.8	3.1	2.5	2.5	2.5	2.5
87.5°	3.1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	200°	205°	210°	215°	220°	225°	230°	235°	240°	245°	250°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2106.3	2117.6	2128.2	2125.1	2113.8	2096.3	2091.3	2084.4	2089.4	2100.1	2104.4
5°	2121.3	2115.1	2137.6	2170.7	2224.5	2229.5	2267.0	2275.8	2305.8	2324.6	2324.0
7.5°	2142.6	2231.4	2268.3	2308.3	2326.5	2322.1	2327.7	2323.3	2316.4	2313.3	2309.6
10°	2250.8	2318.3	2332.1	2332.1	2303.9	2265.8	2249.5	2221.4	2165.1	2166.4	2157.0
12.5°	2313.9	2337.7	2305.2	2277.7	2164.5	2120.7	2073.2	2050.7	2037.5	2017.5	2025.0
15°	2280.8	2247.0	2227.6	2138.8	2069.4	1990.6	1991.9	1978.1	1963.7	1965.0	1955.6
17.5°	2232.0	2205.1	2067.5	2006.3	1972.5	1941.8	1936.2	1918.1	1908.7	1905.6	1904.9
20°	2165.1	2068.2	1965.6	1950.6	1909.9	1874.9	1869.3	1874.9	1903.7	1852.4	1678.5
22.5°	2086.9	1947.5	1917.4	1874.9	1847.4	1833.6	1868.0	1711.7	1475.3	1504.1	1473.4
25°	1954.3	1893.7	1842.4	1809.9	1806.8	1722.3	1435.3	1405.3	1253.3	1172.0	1080.7
27.5°	1857.4	1831.1	1777.4	1771.7	1731.1	1408.4	1258.9	1093.8	1033.1	1023.8	1003.8
30°	1798.6	1761.1	1728.6	1586.6	1381.5	1133.8	1010.0	986.9	976.2	965.0	947.5
32.5°	1728.0	1692.3	1707.9	1334.0	1101.3	976.2	951.2	934.3	914.9	907.4	844.3
35°	1656.0	1639.8	1334.6	1121.3	946.8	916.8	898.1	880.6	700.4	169.5	57.5
37.5°	1579.1	1575.4	1199.5	930.6	886.8	858.7	805.5	166.4	39.4	26.9	20.0
40°	1519.1	1200.1	948.1	872.4	836.8	792.4	111.3	27.5	17.5	10.6	6.9
42.5°	1479.1	1079.4	848.7	818.6	741.1	81.9	28.1	11.9	6.9	5.6	4.4
45°	1140.1	852.4	793.0	761.7	93.8	28.1	16.3	5.6	4.4	3.8	2.5
47.5°	1051.9	774.2	739.2	166.4	31.3	15.0	11.3	3.8	2.5	2.5	2.5
50°	796.7	715.4	588.5	40.7	20.0	10.6	8.1	2.5	2.5	2.5	1.9
52.5°	698.6	660.4	63.2	26.9	15.6	8.1	5.0	1.9	1.9	1.9	1.9
55°	638.5	419.0	37.5	20.6	13.1	7.5	3.1	1.9	1.9	1.9	1.3
57.5°	584.1	56.3	27.5	17.5	11.9	6.9	1.9	1.9	1.9	1.9	1.3
60°	495.3	40.7	22.5	15.6	11.3	6.3	1.9	1.9	1.9	1.9	1.9
62.5°	64.4	31.9	19.4	13.8	8.1	5.0	1.3	1.9	1.9	1.9	1.9
65°	46.9	25.0	17.5	9.4	5.0	1.9	1.3	1.9	1.9	1.9	1.9
67.5°	36.3	20.6	13.1	8.1	4.4	1.3	1.3	1.9	1.9	1.9	1.9
70°	28.8	17.5	10.6	6.9	3.8	1.3	1.3	1.9	1.9	1.9	1.9
72.5°	22.5	12.5	7.5	3.8	2.5	1.3	1.3	1.9	1.9	1.9	1.9
75°	16.9	10.0	5.6	3.1	1.3	1.3	1.3	1.9	1.9	1.9	1.9
77.5°	11.3	6.3	4.4	2.5	2.5	2.5	3.1	3.1	1.9	1.9	1.9
80°	7.5	4.4	3.1	3.1	3.1	2.5	3.1	3.1	1.9	3.1	1.9
82.5°	3.8	3.1	3.1	2.5	2.5	1.9	2.5	2.5	2.5	2.5	1.9
85°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	1.9
87.5°	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	2.5	2.5	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	255°	260°	265°	270°	275°	280°	285°	290°	295°	300°	305°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2098.8	2100.7	2095.7	2122.6	2108.8	2110.1	2115.7	2101.3	2104.4	2094.4	2087.6
5°	2326.5	2330.2	2334.0	2335.2	2337.7	2340.8	2337.1	2335.2	2331.5	2319.0	2305.8
7.5°	2290.8	2286.4	2284.6	2287.1	2291.4	2293.3	2290.2	2294.6	2310.8	2317.7	2322.1
10°	2103.2	2083.2	2096.9	2095.1	2079.4	2132.0	2117.6	2125.7	2131.3	2188.9	2223.9
12.5°	2013.8	2026.3	2002.5	1990.6	2006.3	2016.9	2027.5	2005.0	2036.3	2021.9	2068.2
15°	1938.7	1931.2	1928.7	1929.3	1926.2	1941.2	1945.0	1950.0	1954.3	1973.7	1981.2
17.5°	1904.9	1917.4	1922.5	1926.2	1920.0	1913.1	1906.2	1896.2	1899.3	1894.3	1908.7
20°	1561.6	1519.7	1517.2	1541.6	1514.7	1529.7	1566.0	1808.6	1800.5	1894.9	1863.0
22.5°	1303.3	1263.9	1230.1	1200.8	1242.7	1260.2	1327.7	1404.0	1527.8	1508.4	1642.9
25°	1064.4	1050.0	1041.3	1036.9	1040.0	1038.8	1053.8	1089.4	1145.7	1278.3	1449.7
27.5°	995.6	988.7	985.6	975.6	983.1	980.6	992.5	1000.0	1016.9	1030.0	1085.7
30°	941.2	933.1	927.5	916.8	924.3	925.0	928.7	948.1	955.0	966.2	983.7
32.5°	344.0	202.6	190.1	180.7	197.6	257.7	452.2	790.5	901.8	910.6	930.6
35°	33.8	28.1	25.0	25.0	25.6	28.1	37.5	98.8	180.7	698.6	874.3
37.5°	13.1	11.3	9.4	8.8	9.4	10.6	14.4	18.8	25.6	53.2	237.0
40°	5.6	5.0	4.4	4.4	4.4	4.4	5.0	6.3	9.4	17.5	27.5
42.5°	3.8	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.4	5.6	11.3
45°	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	3.1	5.0
47.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5
50°	1.9	1.9	1.9	1.9	1.3	1.9	1.3	1.9	1.9	1.9	1.9
52.5°	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9
55°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
57.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.3
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.3
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.9	1.9	1.3	1.9	1.3	1.3	1.9	1.9	1.9	1.3	1.3
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	2.5
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.1	3.8	3.1
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.1	3.1	3.1
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1213405

CATALOG NUMBER: 4SNLED-LD5-35SL-RM-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	310°	315°	320°	325°	330°	335°	340°	341°	342°	343°	344°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2075.7	2075.0	2088.2	2098.2	2094.4	2098.2	2102.6	2103.2	2104.4	2099.4	2097.6
5°	2280.8	2261.4	2223.9	2197.0	2165.7	2108.8	2080.7	2083.8	2084.4	2082.6	2085.1
7.5°	2320.2	2318.3	2305.2	2299.6	2278.3	2237.6	2172.6	2161.4	2133.8	2116.3	2101.9
10°	2221.4	2266.4	2278.3	2298.3	2310.8	2303.3	2248.3	2240.2	2222.6	2202.6	2207.0
12.5°	2114.4	2151.3	2153.2	2262.0	2286.4	2288.9	2267.7	2278.9	2281.4	2236.4	2210.1
15°	1983.1	2000.6	2037.5	2138.8	2212.6	2258.9	2272.7	2278.9	2248.3	2246.4	2235.8
17.5°	1925.6	1936.8	1953.7	2010.6	2122.6	2190.7	2248.9	2244.5	2256.4	2247.7	2220.8
20°	1853.0	1862.4	1892.4	1921.2	1976.2	2066.9	2175.7	2183.9	2199.5	2197.6	2205.1
22.5°	1851.8	1818.6	1823.6	1846.2	1903.7	1985.0	2100.7	2127.6	2137.6	2144.5	2152.6
25°	1469.0	1732.3	1780.5	1794.9	1832.4	1879.9	2016.3	2026.3	2045.0	2075.7	2098.2
27.5°	1272.7	1451.5	1644.2	1744.2	1768.0	1807.4	1888.7	1903.7	1967.5	1975.0	2010.0
30°	1004.4	1142.6	1430.3	1671.0	1710.4	1738.0	1795.5	1825.5	1853.0	1883.1	1920.0
32.5°	945.0	966.9	1126.3	1382.7	1689.2	1668.5	1711.1	1729.2	1759.2	1785.5	1812.4
35°	890.6	905.6	939.3	1132.6	1375.9	1611.6	1640.4	1652.3	1669.2	1689.2	1708.6
37.5°	833.6	856.2	879.3	931.2	1272.7	1566.6	1566.0	1579.7	1589.7	1606.6	1622.9
40°	151.3	786.1	823.6	857.4	986.9	1249.5	1495.9	1502.2	1509.1	1519.7	1536.6
42.5°	24.4	131.3	771.7	804.3	841.2	1118.8	1464.0	1438.4	1434.0	1441.5	1456.5
45°	12.5	31.9	155.1	751.1	784.2	892.4	1197.0	1394.0	1389.6	1375.2	1378.4
47.5°	9.4	20.0	38.1	259.5	734.2	766.1	1104.4	1092.6	1175.7	1335.2	1310.8
50°	8.1	13.8	22.5	53.2	648.5	705.4	850.5	993.7	1037.5	1043.2	1234.5
52.5°	7.5	9.4	16.3	34.4	136.3	652.3	691.7	741.7	815.5	973.7	970.0
55°	6.9	8.8	13.8	23.1	47.5	587.9	628.5	637.9	653.5	729.2	829.3
57.5°	3.8	8.1	13.1	20.0	35.6	107.6	570.4	577.9	590.4	593.5	629.1
60°	1.9	7.5	11.9	17.5	26.3	50.0	512.8	521.6	529.1	530.3	541.6
62.5°	1.3	6.9	10.0	16.3	21.9	35.6	121.3	247.7	470.9	470.9	484.1
65°	1.3	5.0	6.3	10.6	20.0	29.4	51.3	59.4	115.7	284.6	424.6
67.5°	1.3	1.9	5.6	8.8	15.0	22.5	37.5	43.8	52.5	60.0	111.3
70°	1.3	1.3	5.0	5.6	9.4	16.9	26.9	30.6	35.6	40.7	46.9
72.5°	1.3	1.3	4.4	4.4	6.3	11.3	20.6	22.5	25.6	28.8	33.1
75°	3.1	2.5	3.8	3.8	4.4	8.8	15.6	17.5	18.8	21.3	24.4
77.5°	3.1	3.1	3.1	3.1	3.1	5.6	10.0	11.3	13.1	14.4	16.9
80°	2.5	2.5	2.5	3.1	3.1	3.8	6.3	6.9	7.5	9.4	10.0
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.8	4.4	5.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5	2.5	2.5	2.5
87.5°	1.9	1.9	1.9	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	345°	346°	347°	348°	349°	350°	351°	352°	353°	354°	355°
0°	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2096.9	2093.2	2090.1	2091.9	2086.3	2083.8	2085.7	2086.3	2087.6	2090.7	2091.3
5°	2091.3	2090.1	2095.7	2098.8	2097.6	2098.8	2098.8	2096.3	2092.6	2095.1	2089.4
7.5°	2087.6	2079.4	2073.2	2074.4	2068.2	2075.7	2082.6	2092.6	2095.7	2095.7	2089.4
10°	2152.0	2143.2	2108.2	2084.4	2068.8	2055.0	2087.6	2054.4	2070.0	2010.6	2078.8
12.5°	2205.1	2217.0	2201.4	2136.3	2125.1	2083.8	2107.6	2066.9	2055.0	1986.9	2008.8
15°	2226.4	2203.9	2198.9	2180.7	2156.3	2144.5	2080.7	2073.8	2054.4	2061.9	2033.1
17.5°	2207.6	2218.9	2203.9	2192.0	2167.0	2138.8	2100.7	2066.9	2040.0	1980.0	2030.6
20°	2189.5	2204.5	2159.5	2167.0	2169.5	2137.0	2116.9	2088.8	2055.0	1998.8	1955.0
22.5°	2159.5	2148.8	2152.6	2141.3	2132.0	2136.3	2108.8	2089.4	2032.5	2006.9	1947.5
25°	2110.7	2106.9	2116.9	2115.7	2093.2	2085.7	2071.9	2051.3	2028.8	1987.5	1938.7
27.5°	2031.3	2050.7	2068.2	2076.3	2064.4	2044.4	2036.9	2025.0	2009.4	1967.5	1931.2
30°	1947.5	1969.4	1989.4	2006.9	2017.5	2008.8	2001.9	1995.0	1971.2	1943.7	1903.1
32.5°	1851.8	1880.6	1908.1	1929.3	1952.5	1959.4	1954.3	1948.7	1928.7	1903.7	1871.2
35°	1741.1	1780.5	1820.5	1858.7	1868.7	1884.9	1901.2	1891.8	1881.2	1856.2	1826.1
37.5°	1647.3	1675.4	1704.2	1752.3	1787.4	1808.0	1836.8	1840.5	1822.4	1810.5	1771.1
40°	1550.3	1576.0	1617.9	1646.0	1694.2	1717.9	1748.6	1762.4	1758.0	1751.1	1716.7
42.5°	1474.0	1486.6	1514.1	1539.1	1586.6	1635.4	1662.3	1677.3	1692.9	1687.3	1669.8
45°	1392.7	1404.0	1413.4	1435.3	1481.6	1524.7	1557.8	1580.4	1608.5	1621.6	1600.4
47.5°	1312.1	1315.2	1326.5	1344.6	1372.1	1405.3	1460.9	1494.7	1521.0	1546.6	1532.8
50°	1250.2	1238.9	1240.8	1252.0	1274.5	1307.1	1347.1	1394.6	1424.6	1455.9	1459.0
52.5°	1092.6	1183.9	1162.0	1168.2	1180.1	1195.7	1237.6	1284.6	1321.5	1348.3	1375.2
55°	916.8	935.0	1110.7	1085.7	1093.2	1106.9	1126.3	1173.2	1208.9	1246.4	1283.9
57.5°	711.1	846.2	853.0	1015.6	1011.9	1013.1	1029.4	1056.3	1091.9	1138.8	1170.7
60°	552.8	609.8	720.5	776.7	919.3	924.3	933.7	949.3	980.0	1024.4	1075.0
62.5°	487.8	495.3	534.7	619.1	711.7	823.6	843.7	846.2	859.9	904.3	963.1
65°	428.4	433.4	445.3	454.0	531.6	639.8	736.1	751.7	760.5	786.7	836.8
67.5°	295.2	373.4	384.0	390.2	397.7	447.8	567.2	646.7	656.7	679.8	723.6
70°	56.9	118.2	323.3	330.2	334.0	345.2	364.6	490.9	557.2	579.1	599.1
72.5°	38.8	45.7	55.0	130.1	275.2	281.4	285.8	302.1	414.0	477.8	488.4
75°	28.1	31.3	36.9	45.7	56.3	183.2	227.0	235.1	243.3	335.8	389.6
77.5°	20.0	22.5	25.0	29.4	34.4	44.4	63.8	175.7	183.9	188.2	265.8
80°	11.3	13.8	16.9	19.4	21.9	25.0	32.5	40.7	90.7	132.6	139.5
82.5°	6.3	7.5	8.8	10.6	11.9	15.0	18.1	21.9	28.8	42.5	90.1
85°	3.1	3.1	3.1	4.4	5.0	6.9	8.1	9.4	13.1	18.1	25.0
87.5°	1.9	1.9	2.5	2.5	2.5	3.1	3.1	3.1	3.8	5.6	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	356°	357°	358°	359°	360°
0°	2083.8	2083.8	2083.8	2083.8	2083.8
2.5°	2091.9	2090.1	2090.1	2097.6	2095.7
5°	2088.2	2086.3	2085.7	2093.8	2090.1
7.5°	2085.1	2078.2	2076.3	2083.8	2080.7
10°	2072.5	2067.5	2070.7	2068.2	2066.9
12.5°	2051.3	2048.2	2035.0	2036.3	2046.9
15°	2013.1	2025.6	2003.1	2023.1	2027.5
17.5°	1943.1	1971.2	1993.1	2005.0	2006.9
20°	1974.4	1983.7	1972.5	1973.1	1980.6
22.5°	1933.7	1938.1	1941.2	1937.5	1953.7
25°	1868.7	1851.8	1888.1	1895.6	1921.8
27.5°	1848.7	1834.9	1851.8	1850.5	1872.4
30°	1832.4	1788.0	1795.5	1807.4	1834.3
32.5°	1809.3	1739.2	1731.7	1758.0	1788.0
35°	1768.6	1702.3	1684.8	1701.7	1746.7
37.5°	1734.2	1651.0	1616.0	1638.5	1697.3
40°	1682.9	1611.0	1556.6	1576.6	1646.0
42.5°	1621.6	1576.6	1492.8	1506.6	1586.0
45°	1559.7	1519.7	1430.9	1437.8	1532.2
47.5°	1496.6	1459.7	1366.5	1367.7	1463.4
50°	1434.6	1385.9	1308.9	1287.1	1390.2
52.5°	1354.0	1308.9	1250.8	1215.1	1320.8
55°	1277.7	1227.0	1184.5	1129.5	1242.0
57.5°	1203.3	1147.0	1118.2	1047.5	1152.6
60°	1101.3	1074.4	1031.9	964.4	1071.9
62.5°	996.9	988.1	945.0	874.9	972.5
65°	874.9	895.6	851.2	791.1	869.3
67.5°	759.9	796.7	748.0	711.1	769.9
70°	637.3	679.8	652.3	639.1	664.2
72.5°	516.6	557.8	560.4	551.0	559.1
75°	399.0	444.7	469.7	455.3	457.2
77.5°	302.7	324.6	352.1	363.4	360.9
80°	187.0	225.1	247.7	270.8	262.7
82.5°	94.4	126.3	153.8	178.9	167.0
85°	39.4	50.7	70.7	93.2	89.4
87.5°	11.9	20.0	21.3	30.0	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)