

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **2SNLED-LD5-32HL-RM-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33524)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
METALIC FINISH REFLECTOR
Light Source: -
Ballast/Driver: -

Summary

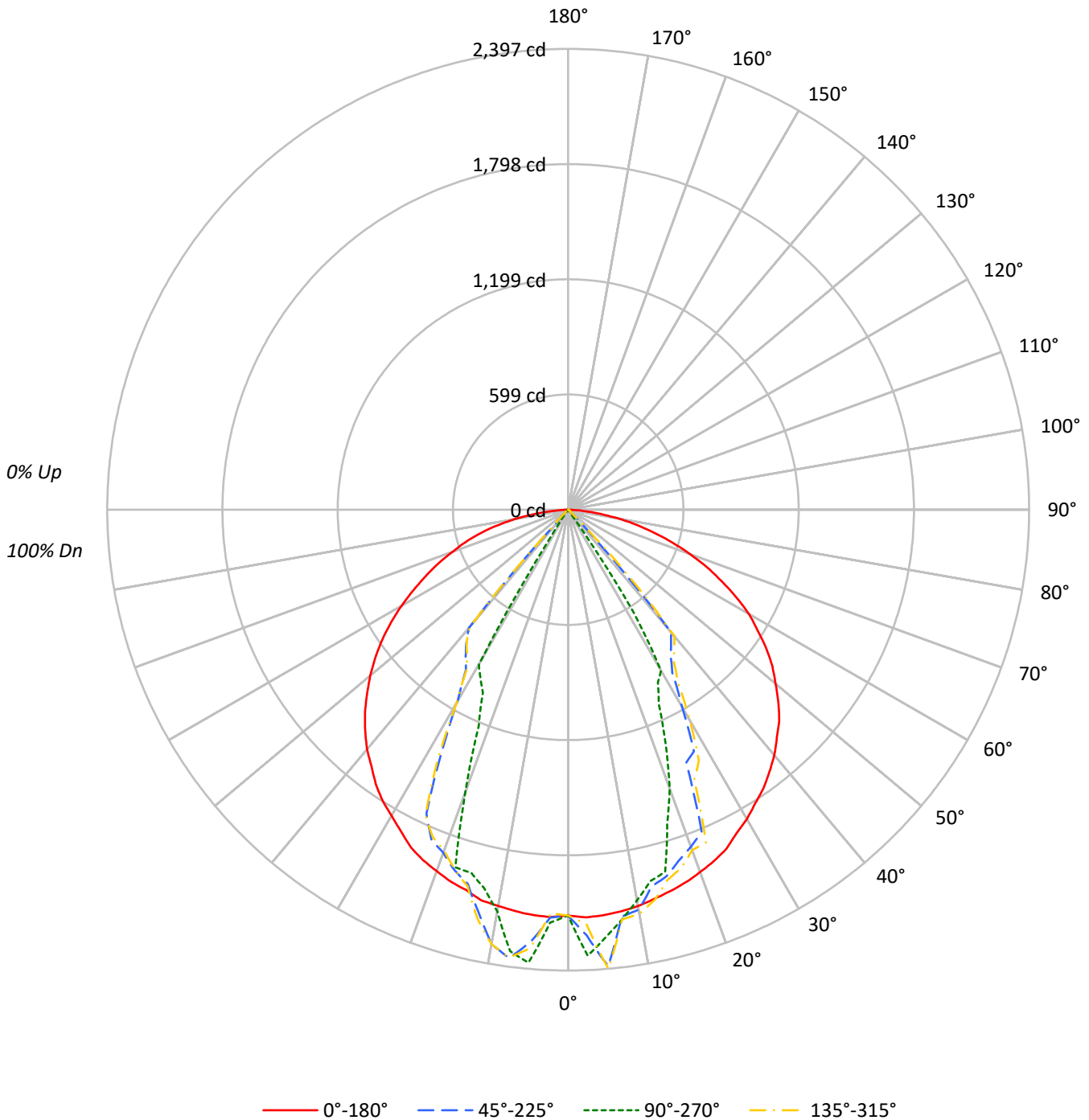
Lumens per Lamp: N/A
Luminaire Lumens: 3001.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 0.81 / 0.97
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 27
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | 100 |
| 1 | 112 | 108 | 105 | 103 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 90 | | | | 90 |
| 2 | 105 | 98 | 93 | 89 | 102 | 97 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 85 | 82 | 81 | | | | 81 |
| 3 | 98 | 90 | 83 | 78 | 95 | 88 | 82 | 78 | 85 | 80 | 76 | 83 | 79 | 75 | 80 | 77 | 74 | 72 | | | | 72 |
| 4 | 91 | 82 | 75 | 70 | 89 | 81 | 74 | 69 | 78 | 73 | 69 | 76 | 72 | 68 | 74 | 70 | 67 | 65 | | | | 65 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 68 | 63 | 72 | 66 | 62 | 71 | 65 | 61 | 69 | 64 | 61 | 59 | | | | 59 |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 | | | | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 49 | | | | 49 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | 45 |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 | | | | 42 |
| 10 | 63 | 52 | 45 | 41 | 62 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 44 | 41 | 49 | 44 | 40 | 39 | | | | 39 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 34110 | 34110 | 34110 | 34110 |
| 5° | 34157 | 35082 | 34146 | 37152 |
| 10° | 33981 | 31746 | 33962 | 32661 |
| 15° | 33794 | 29631 | 33711 | 29708 |
| 20° | 33734 | 23339 | 33639 | 23627 |
| 25° | 33729 | 16890 | 33564 | 15938 |
| 30° | 33463 | 14817 | 33110 | 14243 |
| 35° | 33441 | 327 | 32950 | 395 |
| 40° | 33420 | 71 | 32620 | 71 |
| 45° | 33385 | 42 | 32130 | 32 |
| 50° | 32950 | 33 | 31439 | 33 |
| 55° | 32543 | 24 | 30543 | 24 |
| 60° | 31666 | 25 | 29190 | 25 |
| 65° | 29689 | 40 | 27575 | 28 |
| 70° | 27130 | 44 | 25827 | 44 |
| 75° | 23444 | 49 | 23829 | 49 |
| 80° | 18279 | 57 | 19323 | 57 |
| 85° | 9800 | 67 | 10005 | 67 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 211.7 | 7.1 |
| 10°-20° | 577.6 | 19.2 |
| 20°-30° | 734.9 | 24.5 |
| 30°-40° | 620.8 | 20.7 |
| 40°-50° | 405.9 | 13.5 |
| 50°-60° | 255.7 | 8.5 |
| 60°-70° | 136.1 | 4.5 |
| 70°-80° | 49.6 | 1.7 |
| 80°-90° | 8.5 | 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° | 1524.2 | 50.8 |
| 0°-40° | 2145.1 | 71.5 |
| 0°-60° | 2806.7 | 93.5 |
| 0°-90° | 3001.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3001.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2110 | 2110 | 2110 | 2110 | 2110 | |
| 5° | 2117 | 2233 | 2116 | 2365 | 2117 | 201 |
| 15° | 2054 | 1949 | 2048 | 1954 | 2054 | 581 |
| 25° | 1946 | 1113 | 1937 | 1050 | 1946 | 895 |
| 35° | 1769 | 21 | 1743 | 25 | 1769 | 1107 |
| 45° | 1552 | 2 | 1494 | 2 | 1552 | 1193 |
| 55° | 1258 | 1 | 1181 | 1 | 1258 | 1121 |
| 65° | 880 | 2 | 818 | 1 | 880 | 872 |
| 75° | 463 | 2 | 471 | 2 | 463 | 491 |
| 85° | 91 | 2 | 92 | 2 | 91 | 115 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2122.6 | 2123.8 | 2124.5 | 2125.7 | 2127.6 | 2128.3 | 2129.5 | 2128.3 | 2128.3 | 2128.3 | 2128.3 |
| 5° | 2116.9 | 2119.4 | 2121.3 | 2123.8 | 2128.3 | 2128.9 | 2134.0 | 2134.6 | 2137.1 | 2142.2 | 2146.0 |
| 7.5° | 2107.4 | 2109.9 | 2113.7 | 2120.0 | 2126.4 | 2133.3 | 2142.2 | 2151.7 | 2165.0 | 2177.7 | 2193.5 |
| 10° | 2093.4 | 2096.6 | 2101.0 | 2106.7 | 2137.8 | 2142.2 | 2161.8 | 2189.1 | 2196.7 | 2236.6 | 2266.3 |
| 12.5° | 2073.2 | 2083.9 | 2095.3 | 2100.4 | 2130.2 | 2177.0 | 2242.9 | 2229.6 | 2215.0 | 2345.5 | 2343.6 |
| 15° | 2053.5 | 2068.1 | 2062.4 | 2103.6 | 2130.8 | 2212.5 | 2184.6 | 2244.2 | 2353.1 | 2326.5 | 2327.8 |
| 17.5° | 2032.6 | 2035.8 | 2067.5 | 2101.7 | 2150.4 | 2192.2 | 2226.4 | 2308.2 | 2329.7 | 2331.6 | 2308.2 |
| 20° | 2006.0 | 2021.2 | 2067.5 | 2098.5 | 2180.8 | 2200.5 | 2274.6 | 2316.4 | 2307.5 | 2286.0 | 2246.1 |
| 22.5° | 1978.8 | 2025.0 | 2071.9 | 2115.6 | 2173.2 | 2225.8 | 2262.5 | 2282.2 | 2235.9 | 2151.1 | 2105.5 |
| 25° | 1946.5 | 1973.7 | 2035.2 | 2099.1 | 2171.3 | 2201.7 | 2223.3 | 2191.6 | 2131.4 | 2055.4 | 1978.8 |
| 27.5° | 1896.4 | 1940.1 | 2018.7 | 2090.9 | 2156.1 | 2192.9 | 2158.0 | 2082.0 | 1985.1 | 1935.1 | 1900.2 |
| 30° | 1857.8 | 1914.8 | 1979.4 | 2049.1 | 2116.9 | 2138.4 | 2049.7 | 1962.9 | 1896.4 | 1846.4 | 1838.8 |
| 32.5° | 1810.9 | 1892.0 | 1953.4 | 2019.9 | 2077.0 | 2048.5 | 1962.3 | 1850.2 | 1795.1 | 1776.1 | 1783.7 |
| 35° | 1769.1 | 1830.6 | 1911.0 | 1976.2 | 2017.4 | 1953.4 | 1817.3 | 1747.6 | 1721.0 | 1731.7 | 1717.8 |
| 37.5° | 1719.1 | 1800.2 | 1874.3 | 1930.6 | 1916.7 | 1820.4 | 1705.1 | 1660.8 | 1664.0 | 1655.1 | 1628.5 |
| 40° | 1667.1 | 1744.4 | 1821.7 | 1874.9 | 1826.1 | 1679.2 | 1602.5 | 1593.0 | 1594.9 | 1566.4 | 1528.4 |
| 42.5° | 1606.3 | 1676.6 | 1753.9 | 1802.1 | 1696.9 | 1582.3 | 1530.3 | 1531.6 | 1515.1 | 1475.2 | 1454.9 |
| 45° | 1551.9 | 1616.5 | 1696.9 | 1701.3 | 1572.1 | 1476.5 | 1461.3 | 1444.8 | 1408.1 | 1394.8 | 1379.6 |
| 47.5° | 1482.2 | 1553.8 | 1620.3 | 1596.2 | 1449.9 | 1390.3 | 1378.9 | 1342.8 | 1324.5 | 1314.3 | 1301.7 |
| 50° | 1408.1 | 1480.3 | 1541.1 | 1472.7 | 1334.6 | 1320.7 | 1283.3 | 1254.8 | 1242.1 | 1231.4 | 1220.0 |
| 52.5° | 1337.8 | 1397.3 | 1459.4 | 1341.6 | 1245.9 | 1232.6 | 1190.2 | 1173.7 | 1161.0 | 1149.0 | 1146.5 |
| 55° | 1258.0 | 1310.5 | 1353.0 | 1216.8 | 1161.0 | 1130.0 | 1099.6 | 1088.2 | 1076.2 | 1070.5 | 1080.0 |
| 57.5° | 1167.4 | 1226.9 | 1220.6 | 1093.9 | 1069.2 | 1024.2 | 1012.8 | 1005.2 | 996.4 | 1000.2 | 921.0 |
| 60° | 1085.7 | 1131.3 | 1100.2 | 1004.0 | 962.2 | 931.7 | 921.6 | 916.5 | 921.6 | 844.3 | 742.4 |
| 62.5° | 985.0 | 1036.3 | 973.6 | 898.8 | 854.5 | 839.9 | 831.0 | 838.0 | 763.9 | 679.0 | 654.3 |
| 65° | 880.4 | 936.2 | 843.7 | 786.1 | 758.2 | 745.5 | 744.9 | 686.0 | 613.1 | 580.2 | 580.2 |
| 67.5° | 779.7 | 837.4 | 718.3 | 670.1 | 659.4 | 660.6 | 623.9 | 534.6 | 514.3 | 492.2 | 428.2 |
| 70° | 672.7 | 723.4 | 593.5 | 564.4 | 558.0 | 553.6 | 464.3 | 440.2 | 416.2 | 357.2 | 352.2 |
| 72.5° | 566.3 | 591.0 | 477.0 | 470.0 | 468.7 | 389.5 | 371.8 | 330.6 | 302.8 | 295.8 | 292.6 |
| 75° | 463.0 | 455.4 | 376.9 | 383.2 | 323.0 | 295.2 | 266.7 | 242.6 | 238.8 | 236.3 | 58.9 |
| 77.5° | 365.5 | 327.5 | 297.1 | 258.4 | 231.2 | 196.4 | 190.7 | 186.9 | 122.9 | 44.3 | 36.1 |
| 80° | 266.0 | 212.2 | 197.6 | 167.9 | 143.2 | 137.5 | 140.6 | 43.1 | 34.2 | 28.5 | 24.7 |
| 82.5° | 169.1 | 135.6 | 110.8 | 96.9 | 94.4 | 41.2 | 30.4 | 24.7 | 21.5 | 18.4 | 15.2 |
| 85° | 90.6 | 60.2 | 55.7 | 46.9 | 27.9 | 19.0 | 15.8 | 12.0 | 10.1 | 8.2 | 7.6 |
| 87.5° | 28.5 | 24.1 | 19.6 | 15.8 | 9.5 | 6.3 | 5.1 | 4.4 | 3.8 | 3.2 | 3.2 |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° | 20° | 25° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2127.0 | 2128.3 | 2127.6 | 2129.5 | 2129.5 | 2132.1 | 2134.0 | 2135.9 | 2139.7 | 2141.6 | 2156.1 |
| 5° | 2154.2 | 2157.4 | 2166.9 | 2175.8 | 2186.5 | 2189.7 | 2208.1 | 2212.5 | 2234.0 | 2236.6 | 2307.5 |
| 7.5° | 2215.0 | 2227.1 | 2249.9 | 2272.7 | 2295.5 | 2310.1 | 2335.4 | 2351.2 | 2368.3 | 2383.5 | 2439.9 |
| 10° | 2288.5 | 2308.8 | 2331.0 | 2353.8 | 2367.1 | 2394.9 | 2410.1 | 2412.7 | 2408.2 | 2383.5 | 2292.3 |
| 12.5° | 2360.7 | 2381.0 | 2371.5 | 2375.9 | 2391.8 | 2342.4 | 2349.3 | 2313.9 | 2338.6 | 2216.3 | 2125.7 |
| 15° | 2350.6 | 2349.3 | 2325.9 | 2249.9 | 2262.5 | 2168.2 | 2130.2 | 2101.0 | 2124.5 | 2111.8 | 2097.9 |
| 17.5° | 2320.2 | 2262.5 | 2222.0 | 2130.8 | 2092.2 | 2065.6 | 2066.2 | 2066.8 | 2055.4 | 2067.5 | 2032.0 |
| 20° | 2191.6 | 2127.0 | 2066.8 | 2034.5 | 2023.1 | 2004.1 | 2013.6 | 2004.1 | 2004.7 | 2008.5 | 1954.1 |
| 22.5° | 2020.6 | 2000.9 | 1966.1 | 1976.2 | 1972.4 | 1989.5 | 1976.9 | 1957.2 | 1963.6 | 1935.1 | 1893.9 |
| 25° | 1951.5 | 1928.7 | 1927.5 | 1931.3 | 1925.6 | 1918.0 | 1906.6 | 1876.8 | 1874.9 | 1866.0 | 1847.0 |
| 27.5° | 1881.9 | 1883.1 | 1886.9 | 1875.5 | 1855.3 | 1840.1 | 1823.0 | 1808.4 | 1814.1 | 1804.0 | 1778.0 |
| 30° | 1833.7 | 1833.1 | 1810.3 | 1800.2 | 1762.8 | 1763.4 | 1759.0 | 1750.1 | 1744.4 | 1745.0 | 1728.6 |
| 32.5° | 1765.3 | 1745.7 | 1719.7 | 1707.0 | 1703.9 | 1692.5 | 1683.6 | 1685.5 | 1689.9 | 1674.1 | 1691.2 |
| 35° | 1695.0 | 1654.5 | 1650.7 | 1639.9 | 1629.8 | 1622.2 | 1625.3 | 1612.7 | 1612.0 | 1610.1 | 1470.8 |
| 37.5° | 1600.6 | 1581.0 | 1579.1 | 1567.7 | 1560.7 | 1558.8 | 1546.8 | 1548.7 | 1554.4 | 1564.5 | 1254.2 |
| 40° | 1522.7 | 1505.0 | 1500.6 | 1499.9 | 1484.7 | 1483.5 | 1486.6 | 1498.7 | 1506.9 | 1443.5 | 1195.2 |
| 42.5° | 1439.1 | 1440.4 | 1426.4 | 1417.6 | 1419.5 | 1425.2 | 1440.4 | 1398.6 | 1211.7 | 1154.7 | 1092.6 |
| 45° | 1367.5 | 1361.2 | 1353.6 | 1351.1 | 1367.5 | 1356.1 | 1188.9 | 1097.1 | 1074.9 | 1072.4 | 898.2 |
| 47.5° | 1292.8 | 1290.9 | 1287.7 | 1289.6 | 1195.9 | 1066.0 | 1028.0 | 1016.0 | 1019.8 | 1017.3 | 771.5 |
| 50° | 1217.4 | 1220.0 | 1220.0 | 1065.4 | 978.0 | 956.5 | 959.6 | 970.4 | 903.2 | 843.1 | 718.9 |
| 52.5° | 1152.2 | 1132.5 | 970.4 | 914.6 | 895.0 | 904.5 | 881.7 | 797.5 | 736.7 | 701.2 | 665.1 |
| 55° | 1031.2 | 886.8 | 850.7 | 841.8 | 848.8 | 764.5 | 712.6 | 658.1 | 642.3 | 638.5 | 617.6 |
| 57.5° | 811.4 | 782.3 | 785.4 | 750.0 | 669.5 | 622.0 | 601.1 | 593.5 | 586.5 | 581.5 | 50.7 |
| 60° | 717.7 | 725.9 | 664.4 | 588.4 | 556.1 | 549.8 | 544.7 | 537.8 | 536.5 | 527.6 | 32.3 |
| 62.5° | 656.8 | 577.7 | 524.5 | 505.5 | 497.9 | 496.0 | 486.5 | 483.3 | 410.5 | 56.4 | 24.1 |
| 65° | 495.3 | 463.0 | 452.9 | 448.5 | 440.2 | 440.2 | 365.5 | 57.6 | 46.9 | 40.5 | 21.5 |
| 67.5° | 404.1 | 401.6 | 396.5 | 390.8 | 266.0 | 55.7 | 48.8 | 42.4 | 36.7 | 32.3 | 19.0 |
| 70° | 342.0 | 340.8 | 310.4 | 57.0 | 47.5 | 41.8 | 36.7 | 32.9 | 30.4 | 27.2 | 17.1 |
| 72.5° | 280.6 | 57.0 | 48.1 | 41.8 | 36.1 | 32.9 | 29.8 | 26.6 | 24.1 | 22.2 | 13.9 |
| 75° | 43.7 | 38.6 | 34.2 | 31.0 | 28.5 | 25.3 | 22.8 | 20.9 | 20.3 | 17.7 | 9.5 |
| 77.5° | 31.7 | 27.2 | 24.7 | 22.2 | 19.6 | 17.7 | 15.2 | 13.3 | 12.0 | 10.1 | 7.0 |
| 80° | 22.2 | 19.6 | 17.7 | 14.6 | 12.7 | 10.8 | 9.5 | 8.2 | 7.6 | 6.3 | 3.2 |
| 82.5° | 12.7 | 10.8 | 9.5 | 7.6 | 7.0 | 5.7 | 5.1 | 4.4 | 4.4 | 3.2 | 3.2 |
| 85° | 5.7 | 5.7 | 4.4 | 3.8 | 3.2 | 3.2 | 3.2 | 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 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2176.4 | 2184.6 | 2200.5 | 2216.9 | 2198.6 | 2264.4 | 2259.4 | 2281.5 | 2293.6 | 2299.3 | 2312.6 |
| 5° | 2370.2 | 2407.0 | 2419.0 | 2382.9 | 2362.0 | 2340.5 | 2291.7 | 2254.9 | 2259.4 | 2247.3 | 2203.6 |
| 7.5° | 2366.4 | 2287.9 | 2182.1 | 2134.0 | 2130.2 | 2124.5 | 2139.7 | 2148.5 | 2149.8 | 2149.2 | 2147.9 |
| 10° | 2166.3 | 2125.7 | 2118.8 | 2112.4 | 2115.0 | 2091.5 | 2080.8 | 2050.4 | 2066.8 | 2058.0 | 2061.1 |
| 12.5° | 2105.5 | 2096.0 | 2058.6 | 2006.6 | 2037.7 | 2014.2 | 2000.9 | 2009.8 | 1999.7 | 1990.2 | 1987.0 |
| 15° | 2069.4 | 2007.9 | 1987.0 | 1974.3 | 1965.5 | 1960.4 | 1964.8 | 1954.7 | 1951.5 | 1949.6 | 1954.1 |
| 17.5° | 1994.6 | 1969.9 | 1947.1 | 1913.5 | 1914.2 | 1912.3 | 1924.9 | 1943.9 | 1945.2 | 1847.7 | 1759.6 |
| 20° | 1935.7 | 1915.4 | 1886.3 | 1865.4 | 1893.9 | 1843.2 | 1647.5 | 1554.4 | 1539.8 | 1539.8 | 1542.4 |
| 22.5° | 1888.8 | 1843.9 | 1845.8 | 1812.8 | 1546.2 | 1491.7 | 1493.0 | 1498.7 | 1472.7 | 1384.0 | 1374.5 |
| 25° | 1824.9 | 1817.9 | 1679.2 | 1451.1 | 1453.0 | 1410.6 | 1345.4 | 1253.5 | 1154.1 | 1154.1 | 1137.6 |
| 27.5° | 1776.7 | 1629.1 | 1426.4 | 1416.9 | 1274.4 | 1184.5 | 1128.7 | 1044.5 | 1033.1 | 1022.3 | 1023.6 |
| 30° | 1735.5 | 1378.3 | 1383.4 | 1184.5 | 1079.3 | 1004.6 | 1000.2 | 986.2 | 979.3 | 977.4 | 970.4 |
| 32.5° | 1372.0 | 1342.2 | 1157.9 | 1008.4 | 967.2 | 955.2 | 949.5 | 933.6 | 933.0 | 921.0 | 837.4 |
| 35° | 1286.5 | 1178.1 | 969.1 | 928.6 | 916.5 | 905.1 | 895.6 | 601.1 | 70.9 | 28.5 | 24.7 |
| 37.5° | 1188.9 | 984.3 | 896.3 | 877.9 | 866.5 | 640.4 | 64.0 | 22.2 | 15.8 | 11.4 | 10.1 |
| 40° | 1007.8 | 879.2 | 851.3 | 831.0 | 342.7 | 22.2 | 13.9 | 10.8 | 6.3 | 5.7 | 5.1 |
| 42.5° | 850.0 | 828.5 | 798.7 | 243.2 | 25.3 | 10.8 | 7.0 | 5.1 | 4.4 | 4.4 | 3.8 |
| 45° | 795.6 | 776.6 | 321.8 | 24.1 | 15.8 | 5.1 | 4.4 | 4.4 | 3.8 | 2.5 | 2.5 |
| 47.5° | 744.9 | 655.6 | 29.1 | 15.2 | 10.1 | 4.4 | 3.8 | 2.5 | 2.5 | 2.5 | 1.9 |
| 50° | 691.1 | 36.1 | 20.3 | 11.4 | 6.3 | 2.5 | 2.5 | 2.5 | 2.5 | 1.9 | 1.9 |
| 52.5° | 129.2 | 25.3 | 16.5 | 10.1 | 3.2 | 2.5 | 2.5 | 2.5 | 1.9 | 1.9 | 1.9 |
| 55° | 30.4 | 20.3 | 15.2 | 8.9 | 2.5 | 2.5 | 2.5 | 1.9 | 1.9 | 1.9 | 1.3 |
| 57.5° | 22.8 | 15.2 | 12.0 | 8.2 | 2.5 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 |
| 60° | 19.0 | 10.8 | 9.5 | 7.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 |
| 62.5° | 13.3 | 8.9 | 7.0 | 5.7 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 65° | 10.8 | 7.0 | 5.7 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 67.5° | 9.5 | 5.7 | 3.8 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 70° | 7.6 | 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 | 3.2 | 1.3 | 1.3 | 1.9 | 1.9 | 2.5 | 2.5 | 1.9 | 1.9 | 1.9 |
| 77.5° | 4.4 | 3.2 | 1.3 | 1.3 | 1.9 | 1.9 | 2.5 | 2.5 | 1.9 | 1.9 | 1.9 |
| 80° | 2.5 | 3.2 | 1.3 | 1.9 | 1.9 | 3.8 | 4.4 | 2.5 | 1.9 | 1.9 | 1.9 |
| 82.5° | 2.5 | 3.2 | 3.8 | 3.8 | 1.9 | 3.2 | 3.8 | 3.2 | 2.5 | 1.9 | 1.9 |
| 85° | 2.5 | 1.9 | 2.5 | 3.2 | 1.9 | 3.2 | 3.2 | 2.5 | 2.5 | 1.9 | 1.9 |
| 87.5° | 1.3 | 1.9 | 1.9 | 2.5 | 2.5 | 2.5 | 3.2 | 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 85° | 90° | 95° | 100° | 105° | 110° | 115° | 120° | 125° | 130° | 135° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2318.9 | 2321.5 | 2281.5 | 2267.6 | 2279.6 | 2277.1 | 2266.3 | 2226.4 | 2222.0 | 2195.4 | 2156.8 |
| 5° | 2216.3 | 2233.4 | 2212.5 | 2248.6 | 2231.5 | 2248.6 | 2300.6 | 2324.6 | 2363.9 | 2388.0 | 2396.8 |
| 7.5° | 2144.7 | 2148.5 | 2148.5 | 2151.7 | 2154.9 | 2155.5 | 2151.7 | 2149.2 | 2138.4 | 2125.1 | 2149.2 |
| 10° | 2058.0 | 2062.4 | 2070.0 | 2068.7 | 2068.1 | 2081.4 | 2084.6 | 2111.8 | 2110.5 | 2115.6 | 2134.0 |
| 12.5° | 2013.0 | 1978.8 | 2009.8 | 2001.6 | 2013.0 | 1995.2 | 2028.2 | 2022.5 | 2024.4 | 2039.6 | 2078.9 |
| 15° | 1938.2 | 1949.0 | 1956.6 | 1956.6 | 1961.0 | 1957.2 | 1953.4 | 1979.4 | 1995.2 | 1995.9 | 1993.3 |
| 17.5° | 1794.5 | 1712.7 | 1796.4 | 1774.8 | 1946.5 | 1950.9 | 1936.3 | 1924.3 | 1924.3 | 1933.8 | 1954.1 |
| 20° | 1540.5 | 1542.4 | 1543.0 | 1551.2 | 1561.4 | 1560.7 | 1561.4 | 1810.9 | 1929.4 | 1902.1 | 1883.8 |
| 22.5° | 1350.4 | 1327.0 | 1370.7 | 1367.5 | 1422.0 | 1482.2 | 1539.8 | 1534.1 | 1537.9 | 1714.0 | 1872.4 |
| 25° | 1082.5 | 1112.9 | 1088.2 | 1099.0 | 1160.4 | 1232.0 | 1276.3 | 1392.2 | 1518.3 | 1509.4 | 1550.6 |
| 27.5° | 1019.2 | 1010.9 | 1022.3 | 1022.3 | 1030.6 | 1040.1 | 1064.8 | 1130.0 | 1242.1 | 1359.9 | 1471.4 |
| 30° | 959.0 | 966.0 | 967.2 | 978.6 | 985.0 | 991.3 | 995.1 | 1019.8 | 1045.1 | 1126.8 | 1264.3 |
| 32.5° | 720.2 | 631.5 | 831.0 | 884.9 | 930.5 | 941.2 | 948.9 | 959.0 | 977.4 | 989.4 | 1058.4 |
| 35° | 20.9 | 20.9 | 22.2 | 25.3 | 32.3 | 217.9 | 829.8 | 914.6 | 926.7 | 941.9 | 954.6 |
| 37.5° | 10.1 | 7.6 | 8.9 | 9.5 | 11.4 | 15.8 | 22.8 | 70.9 | 789.9 | 893.1 | 907.0 |
| 40° | 4.4 | 4.4 | 4.4 | 4.4 | 5.1 | 6.3 | 9.5 | 15.8 | 24.1 | 635.3 | 857.0 |
| 42.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 4.4 | 5.7 | 11.4 | 27.2 | 449.7 |
| 45° | 2.5 | 2.5 | 1.9 | 2.5 | 2.5 | 3.2 | 3.8 | 3.8 | 5.1 | 17.1 | 31.0 |
| 47.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.2 | 3.8 | 11.4 | 16.5 |
| 50° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 8.9 | 11.4 |
| 52.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.8 | 10.1 |
| 55° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.9 | 1.9 | 2.5 | 8.9 |
| 57.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.9 | 1.3 | 1.3 | 1.9 | 1.9 | 8.2 |
| 60° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 7.6 |
| 62.5° | 1.9 | 1.9 | 1.3 | 1.9 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 | 5.1 |
| 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 | 3.2 | 3.8 | 3.2 | 3.2 | 1.3 |
| 80° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.2 | 3.2 | 3.2 | 3.2 | 4.4 |
| 82.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.5 | 2.5 | 2.5 | 2.5 | 3.2 |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 140° | 145° | 150° | 155° | 160° | 161° | 162° | 163° | 164° | 165° | 166° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2159.9 | 2138.4 | 2131.4 | 2116.9 | 2115.6 | 2116.9 | 2113.7 | 2109.3 | 2111.8 | 2107.4 | 2103.6 |
| 5° | 2401.9 | 2344.3 | 2306.9 | 2256.8 | 2187.8 | 2172.6 | 2168.8 | 2147.3 | 2139.7 | 2137.1 | 2127.0 |
| 7.5° | 2206.2 | 2311.3 | 2374.7 | 2396.2 | 2315.1 | 2296.1 | 2273.9 | 2256.2 | 2239.1 | 2206.8 | 2187.2 |
| 10° | 2119.4 | 2124.5 | 2185.3 | 2256.2 | 2371.5 | 2387.3 | 2399.4 | 2360.7 | 2350.0 | 2267.6 | 2249.9 |
| 12.5° | 2099.1 | 2099.8 | 2106.7 | 2149.8 | 2240.4 | 2250.5 | 2293.0 | 2315.8 | 2343.6 | 2359.5 | 2346.8 |
| 15° | 2006.6 | 2058.0 | 2096.0 | 2099.8 | 2108.0 | 2125.7 | 2138.4 | 2217.6 | 2251.1 | 2341.1 | 2336.0 |
| 17.5° | 1963.6 | 1980.0 | 2035.2 | 2080.1 | 2072.5 | 2066.2 | 2076.3 | 2087.1 | 2119.4 | 2209.3 | 2208.1 |
| 20° | 1892.0 | 1944.6 | 1974.3 | 2021.2 | 2063.7 | 2065.6 | 2054.2 | 2047.8 | 2035.2 | 2049.7 | 2063.0 |
| 22.5° | 1861.6 | 1869.8 | 1925.6 | 1958.5 | 2006.6 | 2023.8 | 2026.3 | 2026.9 | 2019.9 | 2012.3 | 2008.5 |
| 25° | 1858.4 | 1832.5 | 1861.0 | 1902.1 | 1937.6 | 1956.0 | 1976.9 | 1983.8 | 1981.3 | 1981.3 | 1977.5 |
| 27.5° | 1520.8 | 1824.2 | 1809.0 | 1836.3 | 1879.3 | 1892.0 | 1902.8 | 1924.3 | 1937.6 | 1947.1 | 1951.5 |
| 30° | 1448.6 | 1503.1 | 1768.5 | 1772.3 | 1816.0 | 1814.7 | 1826.8 | 1844.5 | 1861.6 | 1883.8 | 1889.5 |
| 32.5° | 1281.4 | 1415.0 | 1619.0 | 1708.3 | 1753.9 | 1758.4 | 1764.7 | 1769.8 | 1785.6 | 1810.3 | 1831.8 |
| 35° | 1026.8 | 1289.0 | 1387.2 | 1677.9 | 1686.1 | 1695.0 | 1698.8 | 1710.8 | 1715.9 | 1726.0 | 1745.0 |
| 37.5° | 929.2 | 1065.4 | 1330.8 | 1451.1 | 1608.2 | 1615.8 | 1636.1 | 1641.2 | 1649.4 | 1657.6 | 1672.2 |
| 40° | 872.8 | 910.2 | 1107.8 | 1296.0 | 1545.5 | 1550.6 | 1557.6 | 1570.2 | 1570.9 | 1580.4 | 1593.7 |
| 42.5° | 827.9 | 851.9 | 909.6 | 1237.7 | 1501.2 | 1500.6 | 1484.1 | 1492.3 | 1496.1 | 1506.3 | 1524.6 |
| 45° | 661.3 | 799.4 | 836.1 | 1010.9 | 1195.2 | 1281.4 | 1446.7 | 1419.5 | 1418.8 | 1422.6 | 1442.3 |
| 47.5° | 33.6 | 751.9 | 777.8 | 834.2 | 1128.7 | 1131.9 | 1153.4 | 1334.6 | 1362.5 | 1353.6 | 1355.5 |
| 50° | 22.8 | 51.9 | 724.6 | 750.6 | 972.9 | 1051.5 | 1067.3 | 1075.5 | 1180.0 | 1296.6 | 1277.6 |
| 52.5° | 17.7 | 29.8 | 444.0 | 696.8 | 790.5 | 848.1 | 950.1 | 1008.4 | 1014.7 | 1061.6 | 1220.6 |
| 55° | 15.8 | 22.8 | 48.1 | 642.9 | 672.0 | 684.7 | 744.3 | 846.2 | 928.6 | 953.3 | 955.2 |
| 57.5° | 13.9 | 20.9 | 32.9 | 290.7 | 611.2 | 613.8 | 623.9 | 659.4 | 733.5 | 801.3 | 877.9 |
| 60° | 12.7 | 18.4 | 26.0 | 50.0 | 555.5 | 561.8 | 563.7 | 573.2 | 582.1 | 628.3 | 716.4 |
| 62.5° | 7.6 | 14.6 | 22.8 | 36.1 | 439.6 | 504.8 | 504.2 | 510.5 | 518.8 | 523.8 | 541.6 |
| 65° | 6.3 | 11.4 | 19.6 | 30.4 | 53.8 | 67.1 | 407.9 | 453.5 | 458.6 | 465.6 | 468.7 |
| 67.5° | 5.7 | 10.1 | 14.6 | 24.1 | 40.5 | 46.2 | 53.2 | 65.9 | 359.8 | 405.4 | 411.7 |
| 70° | 5.1 | 7.0 | 12.0 | 20.3 | 32.9 | 35.5 | 39.9 | 45.6 | 53.8 | 66.5 | 325.6 |
| 72.5° | 3.2 | 5.1 | 8.2 | 14.6 | 25.3 | 28.5 | 31.0 | 34.8 | 38.6 | 46.2 | 53.2 |
| 75° | 1.3 | 3.8 | 7.0 | 10.8 | 19.6 | 21.5 | 23.4 | 26.0 | 29.1 | 34.2 | 38.0 |
| 77.5° | 1.3 | 3.2 | 5.7 | 7.6 | 12.7 | 14.6 | 17.1 | 19.0 | 21.5 | 24.1 | 27.9 |
| 80° | 4.4 | 2.5 | 3.8 | 5.7 | 8.9 | 9.5 | 10.8 | 12.0 | 13.9 | 15.8 | 18.4 |
| 82.5° | 3.2 | 3.8 | 4.4 | 3.8 | 4.4 | 5.7 | 6.3 | 7.6 | 8.2 | 9.5 | 10.1 |
| 85° | 2.5 | 2.5 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.8 | 4.4 | 5.7 |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 167° | 168° | 169° | 170° | 171° | 172° | 173° | 174° | 175° | 176° | 177° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2103.6 | 2102.3 | 2098.5 | 2098.5 | 2097.9 | 2100.4 | 2102.3 | 2104.2 | 2103.6 | 2107.4 | 2103.6 |
| 5° | 2119.4 | 2116.2 | 2110.5 | 2105.5 | 2103.6 | 2104.8 | 2102.9 | 2104.8 | 2102.3 | 2105.5 | 2099.8 |
| 7.5° | 2163.1 | 2152.3 | 2130.2 | 2121.3 | 2109.9 | 2109.3 | 2103.6 | 2102.3 | 2098.5 | 2098.5 | 2091.5 |
| 10° | 2240.4 | 2188.4 | 2182.1 | 2155.5 | 2146.0 | 2099.8 | 2109.9 | 2092.8 | 2090.9 | 2082.7 | 2079.5 |
| 12.5° | 2303.7 | 2263.2 | 2251.1 | 2227.7 | 2201.1 | 2107.4 | 2128.3 | 2091.5 | 2089.6 | 2073.2 | 2056.1 |
| 15° | 2305.0 | 2328.4 | 2295.5 | 2230.9 | 2225.2 | 2160.6 | 2118.1 | 2105.5 | 2089.0 | 2039.6 | 2047.8 |
| 17.5° | 2230.9 | 2284.7 | 2300.6 | 2286.6 | 2246.1 | 2202.4 | 2142.8 | 2117.5 | 2068.1 | 2045.9 | 2030.7 |
| 20° | 2110.5 | 2165.0 | 2232.8 | 2237.2 | 2262.5 | 2231.5 | 2153.6 | 2112.4 | 2052.9 | 2014.2 | 2001.6 |
| 22.5° | 2014.9 | 2054.8 | 2132.7 | 2168.8 | 2199.8 | 2210.6 | 2161.2 | 2100.4 | 2026.3 | 1988.9 | 1981.3 |
| 25° | 1964.2 | 1973.1 | 1996.5 | 2039.0 | 2107.4 | 2156.8 | 2163.7 | 2099.1 | 2060.5 | 1978.8 | 1935.7 |
| 27.5° | 1945.8 | 1938.2 | 1928.7 | 1950.3 | 2001.6 | 2061.8 | 2101.7 | 2112.4 | 2016.1 | 1938.2 | 1895.2 |
| 30° | 1899.0 | 1903.4 | 1888.8 | 1881.2 | 1914.8 | 1976.9 | 2047.8 | 2065.6 | 1991.4 | 1911.0 | 1861.6 |
| 32.5° | 1841.3 | 1848.9 | 1851.5 | 1838.2 | 1831.2 | 1874.3 | 1950.9 | 1993.3 | 1989.5 | 1872.4 | 1817.3 |
| 35° | 1769.1 | 1790.7 | 1796.4 | 1797.0 | 1785.6 | 1778.6 | 1823.0 | 1911.0 | 1944.6 | 1854.6 | 1774.8 |
| 37.5° | 1693.1 | 1699.4 | 1730.5 | 1738.7 | 1738.7 | 1717.8 | 1750.7 | 1821.1 | 1867.9 | 1814.7 | 1722.9 |
| 40° | 1598.1 | 1618.4 | 1647.5 | 1662.1 | 1676.6 | 1678.5 | 1660.2 | 1709.6 | 1786.9 | 1773.6 | 1674.1 |
| 42.5° | 1529.1 | 1542.4 | 1560.1 | 1579.7 | 1609.5 | 1617.1 | 1598.1 | 1607.0 | 1687.4 | 1722.2 | 1610.8 |
| 45° | 1448.6 | 1466.3 | 1471.4 | 1493.0 | 1524.0 | 1546.2 | 1545.5 | 1527.2 | 1591.8 | 1634.8 | 1564.5 |
| 47.5° | 1366.3 | 1383.4 | 1392.2 | 1403.0 | 1425.8 | 1454.3 | 1470.1 | 1461.9 | 1474.6 | 1558.8 | 1503.1 |
| 50° | 1281.4 | 1290.9 | 1308.6 | 1320.7 | 1335.9 | 1352.3 | 1390.3 | 1397.9 | 1380.2 | 1447.3 | 1435.3 |
| 52.5° | 1200.9 | 1204.1 | 1216.2 | 1228.2 | 1248.5 | 1260.5 | 1290.9 | 1313.7 | 1312.4 | 1332.1 | 1359.9 |
| 55° | 1138.2 | 1124.3 | 1126.8 | 1136.3 | 1149.6 | 1168.0 | 1185.1 | 1220.6 | 1232.6 | 1236.4 | 1280.8 |
| 57.5° | 889.3 | 1032.5 | 1045.1 | 1044.5 | 1060.3 | 1068.6 | 1084.4 | 1107.8 | 1150.9 | 1141.4 | 1190.8 |
| 60° | 808.2 | 824.1 | 943.8 | 957.7 | 963.4 | 971.0 | 990.0 | 1011.6 | 1043.2 | 1063.5 | 1085.0 |
| 62.5° | 616.3 | 712.6 | 748.7 | 854.5 | 870.9 | 875.4 | 888.0 | 898.2 | 931.1 | 977.4 | 968.5 |
| 65° | 477.0 | 518.1 | 628.3 | 671.4 | 761.4 | 772.8 | 790.5 | 801.3 | 810.8 | 864.0 | 866.5 |
| 67.5° | 412.4 | 418.7 | 448.5 | 531.4 | 588.4 | 676.5 | 687.3 | 696.8 | 711.3 | 749.3 | 772.8 |
| 70° | 352.2 | 359.8 | 368.0 | 375.0 | 449.1 | 507.4 | 589.1 | 592.2 | 601.7 | 627.1 | 680.3 |
| 72.5° | 66.5 | 300.9 | 305.9 | 310.4 | 318.6 | 357.2 | 435.2 | 498.5 | 502.3 | 514.3 | 563.1 |
| 75° | 45.0 | 52.6 | 72.2 | 248.3 | 256.5 | 259.1 | 272.4 | 351.5 | 409.8 | 412.4 | 433.9 |
| 77.5° | 32.3 | 36.1 | 43.7 | 51.9 | 132.4 | 198.9 | 202.1 | 216.6 | 276.8 | 320.5 | 324.3 |
| 80° | 22.2 | 24.7 | 29.1 | 32.9 | 40.5 | 53.2 | 147.0 | 151.4 | 159.0 | 219.2 | 230.6 |
| 82.5° | 12.7 | 14.6 | 17.1 | 20.9 | 24.1 | 30.4 | 39.3 | 50.7 | 103.2 | 110.2 | 146.3 |
| 85° | 6.3 | 7.0 | 8.2 | 10.1 | 12.0 | 14.6 | 19.6 | 24.1 | 32.9 | 59.5 | 61.4 |
| 87.5° | 3.2 | 3.2 | 3.2 | 3.2 | 5.1 | 5.7 | 7.0 | 8.9 | 11.4 | 17.1 | 22.2 |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 178° | 179° | 180° | 181° | 182° | 183° | 184° | 185° | 186° | 187° | 188° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2104.2 | 2113.1 | 2120.7 | 2122.6 | 2122.6 | 2123.8 | 2125.7 | 2127.0 | 2128.3 | 2129.5 | 2128.3 |
| 5° | 2100.4 | 2109.9 | 2116.2 | 2118.1 | 2118.1 | 2121.9 | 2125.1 | 2128.9 | 2130.8 | 2130.8 | 2129.5 |
| 7.5° | 2090.9 | 2097.9 | 2106.1 | 2111.2 | 2111.8 | 2118.1 | 2123.8 | 2123.2 | 2125.7 | 2127.0 | 2130.2 |
| 10° | 2078.2 | 2078.2 | 2092.2 | 2096.0 | 2099.1 | 2106.1 | 2108.0 | 2111.8 | 2120.7 | 2121.9 | 2130.2 |
| 12.5° | 2071.9 | 2065.6 | 2082.0 | 2083.9 | 2094.7 | 2085.8 | 2097.2 | 2101.0 | 2092.2 | 2104.2 | 2088.4 |
| 15° | 2043.4 | 2051.0 | 2048.5 | 2054.2 | 2073.2 | 2063.0 | 2094.1 | 2083.9 | 2106.7 | 2079.5 | 2127.6 |
| 17.5° | 2019.9 | 2018.7 | 2028.8 | 2033.9 | 2037.7 | 2059.2 | 2067.5 | 2078.9 | 2087.7 | 2080.1 | 2099.1 |
| 20° | 2002.8 | 1992.7 | 2000.3 | 2006.0 | 2019.3 | 2035.8 | 2040.9 | 2023.8 | 2053.5 | 2104.2 | 2116.2 |
| 22.5° | 1970.5 | 1963.6 | 1972.4 | 1972.4 | 1992.7 | 1990.2 | 2009.2 | 1998.4 | 2026.3 | 2085.2 | 2146.6 |
| 25° | 1926.8 | 1927.5 | 1937.0 | 1948.4 | 1952.2 | 1980.7 | 1990.8 | 2004.7 | 2039.6 | 2109.9 | 2147.3 |
| 27.5° | 1882.5 | 1878.7 | 1884.4 | 1907.8 | 1927.5 | 1948.4 | 1951.5 | 1999.0 | 2046.6 | 2094.7 | 2127.6 |
| 30° | 1838.2 | 1834.4 | 1838.2 | 1855.3 | 1878.7 | 1892.6 | 1927.5 | 1990.8 | 2035.2 | 2068.1 | 2099.1 |
| 32.5° | 1790.7 | 1786.9 | 1795.7 | 1808.4 | 1849.6 | 1851.5 | 1920.5 | 1980.0 | 2014.9 | 2039.0 | 2033.3 |
| 35° | 1740.0 | 1734.9 | 1743.1 | 1762.8 | 1800.8 | 1814.7 | 1886.9 | 1931.3 | 1970.5 | 1981.9 | 1955.3 |
| 37.5° | 1679.2 | 1670.3 | 1680.4 | 1707.7 | 1747.6 | 1788.1 | 1848.3 | 1899.6 | 1920.5 | 1890.1 | 1858.4 |
| 40° | 1615.8 | 1609.5 | 1627.2 | 1641.2 | 1688.0 | 1744.4 | 1813.5 | 1849.6 | 1836.3 | 1801.4 | 1766.6 |
| 42.5° | 1559.5 | 1546.2 | 1562.0 | 1588.6 | 1641.8 | 1705.8 | 1761.5 | 1781.8 | 1750.1 | 1698.8 | 1658.3 |
| 45° | 1490.4 | 1474.6 | 1493.6 | 1529.1 | 1586.1 | 1658.9 | 1702.6 | 1695.6 | 1641.8 | 1597.5 | 1541.7 |
| 47.5° | 1418.2 | 1399.2 | 1418.2 | 1460.6 | 1524.6 | 1601.9 | 1633.6 | 1601.9 | 1534.1 | 1478.4 | 1433.4 |
| 50° | 1347.3 | 1325.1 | 1343.5 | 1407.4 | 1470.1 | 1529.7 | 1529.1 | 1467.6 | 1427.1 | 1366.3 | 1327.0 |
| 52.5° | 1277.0 | 1245.3 | 1263.7 | 1333.3 | 1396.0 | 1463.8 | 1413.8 | 1356.8 | 1308.0 | 1254.8 | 1242.1 |
| 55° | 1190.2 | 1156.0 | 1180.7 | 1282.0 | 1330.2 | 1370.1 | 1290.3 | 1240.2 | 1192.1 | 1165.5 | 1149.6 |
| 57.5° | 1107.8 | 1070.5 | 1092.0 | 1211.7 | 1247.2 | 1257.3 | 1183.8 | 1112.9 | 1084.4 | 1075.5 | 1052.7 |
| 60° | 1023.0 | 980.5 | 1000.8 | 1138.9 | 1163.6 | 1122.4 | 1050.2 | 995.1 | 989.4 | 971.7 | 953.9 |
| 62.5° | 941.9 | 895.0 | 907.7 | 1048.3 | 1059.7 | 985.0 | 918.4 | 903.9 | 889.9 | 872.2 | 862.7 |
| 65° | 848.8 | 800.0 | 817.7 | 952.0 | 941.2 | 845.0 | 807.6 | 804.4 | 786.1 | 771.5 | 785.4 |
| 67.5° | 763.3 | 705.6 | 730.3 | 846.9 | 798.1 | 719.6 | 704.4 | 696.8 | 682.2 | 690.4 | 544.1 |
| 70° | 669.5 | 606.8 | 640.4 | 733.5 | 661.3 | 609.3 | 603.6 | 592.2 | 592.9 | 471.3 | 397.1 |
| 72.5° | 565.0 | 510.5 | 559.3 | 609.3 | 523.2 | 508.0 | 499.8 | 498.5 | 402.2 | 326.8 | 308.5 |
| 75° | 473.2 | 418.1 | 470.6 | 489.6 | 416.8 | 406.7 | 406.0 | 335.7 | 264.1 | 252.1 | 246.4 |
| 77.5° | 369.3 | 326.8 | 376.9 | 348.4 | 319.9 | 308.5 | 276.8 | 207.8 | 198.9 | 190.7 | 71.6 |
| 80° | 248.9 | 252.1 | 281.2 | 240.1 | 228.0 | 194.5 | 153.3 | 147.0 | 126.7 | 50.7 | 39.9 |
| 82.5° | 151.4 | 190.0 | 179.3 | 150.1 | 147.0 | 105.8 | 96.9 | 49.4 | 36.7 | 29.1 | 25.3 |
| 85° | 78.5 | 96.3 | 92.5 | 81.7 | 60.8 | 54.5 | 30.4 | 23.4 | 19.0 | 14.6 | 12.0 |
| 87.5° | 26.6 | 35.5 | 34.2 | 27.2 | 20.9 | 16.5 | 10.8 | 8.9 | 6.3 | 5.1 | 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 189° | 190° | 191° | 192° | 193° | 194° | 195° | 196° | 197° | 198° | 199° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2127.0 | 2127.0 | 2125.7 | 2127.0 | 2127.6 | 2126.4 | 2126.4 | 2127.6 | 2128.3 | 2128.9 | 2132.1 |
| 5° | 2130.2 | 2131.4 | 2133.3 | 2137.1 | 2137.8 | 2145.4 | 2148.5 | 2150.4 | 2152.3 | 2153.0 | 2148.5 |
| 7.5° | 2137.1 | 2141.6 | 2145.4 | 2144.7 | 2140.3 | 2128.3 | 2124.5 | 2121.3 | 2127.0 | 2141.6 | 2158.7 |
| 10° | 2143.5 | 2123.2 | 2085.2 | 2137.1 | 2121.3 | 2135.9 | 2178.9 | 2188.4 | 2217.6 | 2258.7 | 2270.8 |
| 12.5° | 2099.8 | 2155.5 | 2167.5 | 2109.3 | 2216.9 | 2177.0 | 2224.5 | 2266.3 | 2278.4 | 2320.2 | 2294.9 |
| 15° | 2146.6 | 2173.9 | 2192.2 | 2250.5 | 2244.2 | 2278.4 | 2291.7 | 2283.4 | 2285.3 | 2296.1 | 2324.6 |
| 17.5° | 2146.0 | 2200.5 | 2212.5 | 2251.8 | 2278.4 | 2279.0 | 2275.2 | 2271.4 | 2281.5 | 2289.8 | 2272.7 |
| 20° | 2182.7 | 2200.5 | 2223.9 | 2239.7 | 2244.8 | 2251.1 | 2263.2 | 2253.7 | 2234.7 | 2216.3 | 2208.7 |
| 22.5° | 2164.4 | 2204.3 | 2224.5 | 2227.1 | 2223.9 | 2204.3 | 2186.5 | 2159.9 | 2151.1 | 2141.6 | 2144.7 |
| 25° | 2168.2 | 2186.5 | 2184.0 | 2173.9 | 2160.6 | 2123.8 | 2115.0 | 2103.6 | 2086.5 | 2045.3 | 2007.9 |
| 27.5° | 2140.9 | 2131.4 | 2120.0 | 2095.3 | 2071.3 | 2051.6 | 2029.5 | 1992.7 | 1962.3 | 1918.0 | 1901.5 |
| 30° | 2095.3 | 2057.3 | 2029.5 | 2014.9 | 1991.4 | 1958.5 | 1924.9 | 1880.0 | 1841.3 | 1832.5 | 1824.2 |
| 32.5° | 2007.9 | 1970.5 | 1947.7 | 1912.3 | 1872.4 | 1833.1 | 1794.5 | 1776.7 | 1768.5 | 1769.8 | 1762.2 |
| 35° | 1918.6 | 1885.7 | 1851.5 | 1798.3 | 1768.5 | 1729.2 | 1715.3 | 1711.5 | 1703.9 | 1695.6 | 1686.8 |
| 37.5° | 1823.6 | 1785.0 | 1733.6 | 1702.0 | 1672.2 | 1656.4 | 1649.4 | 1643.7 | 1630.4 | 1615.8 | 1605.7 |
| 40° | 1731.7 | 1662.1 | 1633.6 | 1602.5 | 1593.7 | 1586.7 | 1576.6 | 1562.6 | 1544.3 | 1541.7 | 1537.3 |
| 42.5° | 1608.9 | 1558.8 | 1534.1 | 1527.8 | 1517.0 | 1505.0 | 1496.1 | 1480.9 | 1473.3 | 1478.4 | 1482.2 |
| 45° | 1492.3 | 1467.0 | 1458.7 | 1451.1 | 1430.9 | 1413.8 | 1408.1 | 1403.0 | 1409.3 | 1437.2 | 1370.7 |
| 47.5° | 1397.9 | 1387.8 | 1377.7 | 1365.0 | 1346.0 | 1333.3 | 1339.0 | 1344.1 | 1349.8 | 1145.2 | 1045.1 |
| 50° | 1316.2 | 1302.3 | 1286.5 | 1272.5 | 1261.1 | 1259.9 | 1289.6 | 1200.3 | 1005.2 | 1000.2 | 898.8 |
| 52.5° | 1226.9 | 1206.0 | 1196.5 | 1188.3 | 1193.3 | 1212.3 | 1003.3 | 931.1 | 893.1 | 775.9 | 724.0 |
| 55° | 1130.6 | 1112.3 | 1112.3 | 1119.9 | 1092.6 | 885.5 | 874.7 | 756.3 | 684.7 | 664.4 | 656.2 |
| 57.5° | 1034.4 | 1032.5 | 1043.2 | 953.9 | 803.8 | 770.9 | 648.0 | 622.0 | 610.6 | 608.1 | 594.8 |
| 60° | 946.3 | 964.1 | 807.0 | 742.4 | 645.4 | 582.1 | 564.4 | 561.2 | 549.2 | 544.7 | 532.7 |
| 62.5° | 876.0 | 726.5 | 676.5 | 552.3 | 520.0 | 511.8 | 502.3 | 497.9 | 487.1 | 430.1 | 126.0 |
| 65° | 632.8 | 597.9 | 485.2 | 464.3 | 461.8 | 449.7 | 445.9 | 400.9 | 94.4 | 63.3 | 53.8 |
| 67.5° | 477.6 | 423.8 | 409.2 | 405.4 | 393.3 | 369.3 | 109.6 | 62.7 | 53.8 | 46.9 | 41.2 |
| 70° | 366.7 | 357.2 | 346.5 | 337.6 | 99.4 | 62.1 | 53.8 | 45.6 | 39.3 | 34.8 | 31.7 |
| 72.5° | 300.2 | 293.9 | 171.0 | 65.2 | 53.2 | 45.0 | 39.9 | 34.8 | 30.4 | 27.9 | 25.3 |
| 75° | 235.0 | 65.2 | 53.8 | 45.0 | 38.6 | 32.9 | 29.1 | 26.0 | 23.4 | 21.5 | 19.6 |
| 77.5° | 53.2 | 43.1 | 36.7 | 31.0 | 27.9 | 24.7 | 22.2 | 19.0 | 17.1 | 15.2 | 12.7 |
| 80° | 32.9 | 28.5 | 24.1 | 22.2 | 19.0 | 15.8 | 13.9 | 12.7 | 10.1 | 9.5 | 8.2 |
| 82.5° | 21.5 | 17.1 | 15.2 | 12.7 | 10.1 | 9.5 | 8.2 | 6.3 | 5.7 | 5.1 | 4.4 |
| 85° | 9.5 | 8.2 | 7.0 | 5.7 | 4.4 | 3.8 | 3.2 | 2.5 | 2.5 | 2.5 | 2.5 |
| 87.5° | 3.2 | 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 200° | 205° | 210° | 215° | 220° | 225° | 230° | 235° | 240° | 245° | 250° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2133.3 | 2144.7 | 2155.5 | 2152.3 | 2140.9 | 2123.2 | 2118.1 | 2111.2 | 2116.2 | 2127.0 | 2131.4 |
| 5° | 2148.5 | 2142.2 | 2165.0 | 2198.6 | 2253.0 | 2258.1 | 2296.1 | 2305.0 | 2335.4 | 2354.4 | 2353.8 |
| 7.5° | 2170.1 | 2260.0 | 2297.4 | 2337.9 | 2356.3 | 2351.9 | 2357.6 | 2353.1 | 2346.2 | 2343.0 | 2339.2 |
| 10° | 2279.6 | 2348.1 | 2362.0 | 2362.0 | 2333.5 | 2294.9 | 2278.4 | 2249.9 | 2192.9 | 2194.1 | 2184.6 |
| 12.5° | 2343.6 | 2367.7 | 2334.8 | 2306.9 | 2192.2 | 2147.9 | 2099.8 | 2077.0 | 2063.7 | 2043.4 | 2051.0 |
| 15° | 2310.1 | 2275.8 | 2256.2 | 2166.3 | 2096.0 | 2016.1 | 2017.4 | 2003.5 | 1988.9 | 1990.2 | 1980.7 |
| 17.5° | 2260.6 | 2233.4 | 2094.1 | 2032.0 | 1997.8 | 1966.7 | 1961.0 | 1942.7 | 1933.2 | 1930.0 | 1929.4 |
| 20° | 2192.9 | 2094.7 | 1990.8 | 1975.6 | 1934.4 | 1899.0 | 1893.3 | 1899.0 | 1928.1 | 1876.2 | 1700.1 |
| 22.5° | 2113.7 | 1972.4 | 1942.0 | 1899.0 | 1871.1 | 1857.2 | 1892.0 | 1733.6 | 1494.2 | 1523.4 | 1492.3 |
| 25° | 1979.4 | 1918.0 | 1866.0 | 1833.1 | 1829.9 | 1744.4 | 1453.7 | 1423.3 | 1269.4 | 1187.0 | 1094.5 |
| 27.5° | 1881.2 | 1854.6 | 1800.2 | 1794.5 | 1753.3 | 1426.4 | 1275.1 | 1107.8 | 1046.4 | 1036.9 | 1016.6 |
| 30° | 1821.7 | 1783.7 | 1750.7 | 1607.0 | 1399.2 | 1148.4 | 1023.0 | 999.5 | 988.8 | 977.4 | 959.6 |
| 32.5° | 1750.1 | 1714.0 | 1729.8 | 1351.1 | 1115.4 | 988.8 | 963.4 | 946.3 | 926.7 | 919.1 | 855.1 |
| 35° | 1677.3 | 1660.8 | 1351.7 | 1135.7 | 959.0 | 928.6 | 909.6 | 891.8 | 709.4 | 171.7 | 58.3 |
| 37.5° | 1599.4 | 1595.6 | 1214.9 | 942.5 | 898.2 | 869.7 | 815.8 | 168.5 | 39.9 | 27.2 | 20.3 |
| 40° | 1538.6 | 1215.5 | 960.3 | 883.6 | 847.5 | 802.5 | 112.7 | 27.9 | 17.7 | 10.8 | 7.0 |
| 42.5° | 1498.0 | 1093.3 | 859.5 | 829.1 | 750.6 | 83.0 | 28.5 | 12.0 | 7.0 | 5.7 | 4.4 |
| 45° | 1154.7 | 863.3 | 803.2 | 771.5 | 95.0 | 28.5 | 16.5 | 5.7 | 4.4 | 3.8 | 2.5 |
| 47.5° | 1065.4 | 784.2 | 748.7 | 168.5 | 31.7 | 15.2 | 11.4 | 3.8 | 2.5 | 2.5 | 2.5 |
| 50° | 807.0 | 724.6 | 596.0 | 41.2 | 20.3 | 10.8 | 8.2 | 2.5 | 2.5 | 2.5 | 1.9 |
| 52.5° | 707.5 | 668.9 | 64.0 | 27.2 | 15.8 | 8.2 | 5.1 | 1.9 | 1.9 | 1.9 | 1.9 |
| 55° | 646.7 | 424.4 | 38.0 | 20.9 | 13.3 | 7.6 | 3.2 | 1.9 | 1.9 | 1.9 | 1.3 |
| 57.5° | 591.6 | 57.0 | 27.9 | 17.7 | 12.0 | 7.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 |
| 60° | 501.7 | 41.2 | 22.8 | 15.8 | 11.4 | 6.3 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 62.5° | 65.2 | 32.3 | 19.6 | 13.9 | 8.2 | 5.1 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 |
| 65° | 47.5 | 25.3 | 17.7 | 9.5 | 5.1 | 1.9 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 |
| 67.5° | 36.7 | 20.9 | 13.3 | 8.2 | 4.4 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 |
| 70° | 29.1 | 17.7 | 10.8 | 7.0 | 3.8 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 |
| 72.5° | 22.8 | 12.7 | 7.6 | 3.8 | 2.5 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 |
| 75° | 17.1 | 10.1 | 5.7 | 3.2 | 1.3 | 1.3 | 1.3 | 1.9 | 1.9 | 1.9 | 1.9 |
| 77.5° | 11.4 | 6.3 | 4.4 | 2.5 | 2.5 | 2.5 | 3.2 | 3.2 | 1.9 | 1.9 | 1.9 |
| 80° | 7.6 | 4.4 | 3.2 | 3.2 | 3.2 | 2.5 | 3.2 | 3.2 | 1.9 | 3.2 | 1.9 |
| 82.5° | 3.8 | 3.2 | 3.2 | 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 255° | 260° | 265° | 270° | 275° | 280° | 285° | 290° | 295° | 300° | 305° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2125.7 | 2127.6 | 2122.6 | 2149.8 | 2135.9 | 2137.1 | 2142.8 | 2128.3 | 2131.4 | 2121.3 | 2114.3 |
| 5° | 2356.3 | 2360.1 | 2363.9 | 2365.2 | 2367.7 | 2370.9 | 2367.1 | 2365.2 | 2361.4 | 2348.7 | 2335.4 |
| 7.5° | 2320.2 | 2315.8 | 2313.9 | 2316.4 | 2320.8 | 2322.7 | 2319.6 | 2324.0 | 2340.5 | 2347.4 | 2351.9 |
| 10° | 2130.2 | 2109.9 | 2123.8 | 2121.9 | 2106.1 | 2159.3 | 2144.7 | 2153.0 | 2158.7 | 2216.9 | 2252.4 |
| 12.5° | 2039.6 | 2052.3 | 2028.2 | 2016.1 | 2032.0 | 2042.8 | 2053.5 | 2030.7 | 2062.4 | 2047.8 | 2094.7 |
| 15° | 1963.6 | 1956.0 | 1953.4 | 1954.1 | 1950.9 | 1966.1 | 1969.9 | 1975.0 | 1979.4 | 1999.0 | 2006.6 |
| 17.5° | 1929.4 | 1942.0 | 1947.1 | 1950.9 | 1944.6 | 1937.6 | 1930.6 | 1920.5 | 1923.7 | 1918.6 | 1933.2 |
| 20° | 1581.6 | 1539.2 | 1536.7 | 1561.4 | 1534.1 | 1549.3 | 1586.1 | 1831.8 | 1823.6 | 1919.2 | 1886.9 |
| 22.5° | 1320.0 | 1280.1 | 1245.9 | 1216.2 | 1258.6 | 1276.3 | 1344.7 | 1422.0 | 1547.4 | 1527.8 | 1664.0 |
| 25° | 1078.1 | 1063.5 | 1054.6 | 1050.2 | 1053.4 | 1052.1 | 1067.3 | 1103.4 | 1160.4 | 1294.7 | 1468.2 |
| 27.5° | 1008.4 | 1001.4 | 998.3 | 988.1 | 995.7 | 993.2 | 1005.2 | 1012.8 | 1029.9 | 1043.2 | 1099.6 |
| 30° | 953.3 | 945.1 | 939.3 | 928.6 | 936.2 | 936.8 | 940.6 | 960.3 | 967.2 | 978.6 | 996.4 |
| 32.5° | 348.4 | 205.2 | 192.6 | 183.1 | 200.2 | 261.0 | 458.0 | 800.6 | 913.4 | 922.2 | 942.5 |
| 35° | 34.2 | 28.5 | 25.3 | 25.3 | 26.0 | 28.5 | 38.0 | 100.1 | 183.1 | 707.5 | 885.5 |
| 37.5° | 13.3 | 11.4 | 9.5 | 8.9 | 9.5 | 10.8 | 14.6 | 19.0 | 26.0 | 53.8 | 240.1 |
| 40° | 5.7 | 5.1 | 4.4 | 4.4 | 4.4 | 4.4 | 5.1 | 6.3 | 9.5 | 17.7 | 27.9 |
| 42.5° | 3.8 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 4.4 | 5.7 | 11.4 |
| 45° | 2.5 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.5 | 3.2 | 5.1 |
| 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 | 3.2 | 3.8 | 3.2 |
| 77.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.2 | 3.2 | 3.2 |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 310° | 315° | 320° | 325° | 330° | 335° | 340° | 341° | 342° | 343° | 344° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2102.3 | 2101.7 | 2115.0 | 2125.1 | 2121.3 | 2125.1 | 2129.5 | 2130.2 | 2131.4 | 2126.4 | 2124.5 |
| 5° | 2310.1 | 2290.4 | 2252.4 | 2225.2 | 2193.5 | 2135.9 | 2107.4 | 2110.5 | 2111.2 | 2109.3 | 2111.8 |
| 7.5° | 2350.0 | 2348.1 | 2334.8 | 2329.1 | 2307.5 | 2266.3 | 2200.5 | 2189.1 | 2161.2 | 2143.5 | 2128.9 |
| 10° | 2249.9 | 2295.5 | 2307.5 | 2327.8 | 2340.5 | 2332.9 | 2277.1 | 2268.9 | 2251.1 | 2230.9 | 2235.3 |
| 12.5° | 2141.6 | 2178.9 | 2180.8 | 2291.0 | 2315.8 | 2318.3 | 2296.8 | 2308.2 | 2310.7 | 2265.1 | 2238.5 |
| 15° | 2008.5 | 2026.3 | 2063.7 | 2166.3 | 2241.0 | 2287.9 | 2301.8 | 2308.2 | 2277.1 | 2275.2 | 2264.4 |
| 17.5° | 1950.3 | 1961.7 | 1978.8 | 2036.4 | 2149.8 | 2218.8 | 2277.7 | 2273.3 | 2285.3 | 2276.5 | 2249.2 |
| 20° | 1876.8 | 1886.3 | 1916.7 | 1945.8 | 2001.6 | 2093.4 | 2203.6 | 2211.9 | 2227.7 | 2225.8 | 2233.4 |
| 22.5° | 1875.5 | 1842.0 | 1847.0 | 1869.8 | 1928.1 | 2010.4 | 2127.6 | 2154.9 | 2165.0 | 2172.0 | 2180.2 |
| 25° | 1487.9 | 1754.6 | 1803.3 | 1817.9 | 1855.9 | 1904.0 | 2042.1 | 2052.3 | 2071.3 | 2102.3 | 2125.1 |
| 27.5° | 1289.0 | 1470.1 | 1665.2 | 1766.6 | 1790.7 | 1830.6 | 1912.9 | 1928.1 | 1992.7 | 2000.3 | 2035.8 |
| 30° | 1017.3 | 1157.2 | 1448.6 | 1692.5 | 1732.4 | 1760.3 | 1818.5 | 1848.9 | 1876.8 | 1907.2 | 1944.6 |
| 32.5° | 957.1 | 979.3 | 1140.8 | 1400.5 | 1710.8 | 1689.9 | 1733.0 | 1751.4 | 1781.8 | 1808.4 | 1835.6 |
| 35° | 902.0 | 917.2 | 951.4 | 1147.1 | 1393.5 | 1632.3 | 1661.4 | 1673.5 | 1690.6 | 1710.8 | 1730.5 |
| 37.5° | 844.3 | 867.1 | 890.6 | 943.1 | 1289.0 | 1586.7 | 1586.1 | 1600.0 | 1610.1 | 1627.2 | 1643.7 |
| 40° | 153.3 | 796.2 | 834.2 | 868.4 | 999.5 | 1265.6 | 1515.1 | 1521.5 | 1528.4 | 1539.2 | 1556.3 |
| 42.5° | 24.7 | 133.0 | 781.6 | 814.6 | 851.9 | 1133.2 | 1482.8 | 1456.8 | 1452.4 | 1460.0 | 1475.2 |
| 45° | 12.7 | 32.3 | 157.1 | 760.7 | 794.3 | 903.9 | 1212.3 | 1411.9 | 1407.4 | 1392.9 | 1396.0 |
| 47.5° | 9.5 | 20.3 | 38.6 | 262.9 | 743.6 | 775.9 | 1118.6 | 1106.6 | 1190.8 | 1352.3 | 1327.6 |
| 50° | 8.2 | 13.9 | 22.8 | 53.8 | 656.8 | 714.5 | 861.4 | 1006.5 | 1050.8 | 1056.5 | 1250.4 |
| 52.5° | 7.6 | 9.5 | 16.5 | 34.8 | 138.1 | 660.6 | 700.6 | 751.2 | 826.0 | 986.2 | 982.4 |
| 55° | 7.0 | 8.9 | 13.9 | 23.4 | 48.1 | 595.4 | 636.6 | 646.1 | 661.9 | 738.6 | 839.9 |
| 57.5° | 3.8 | 8.2 | 13.3 | 20.3 | 36.1 | 108.9 | 577.7 | 585.3 | 597.9 | 601.1 | 637.2 |
| 60° | 1.9 | 7.6 | 12.0 | 17.7 | 26.6 | 50.7 | 519.4 | 528.3 | 535.9 | 537.1 | 548.5 |
| 62.5° | 1.3 | 7.0 | 10.1 | 16.5 | 22.2 | 36.1 | 122.9 | 250.8 | 477.0 | 477.0 | 490.3 |
| 65° | 1.3 | 5.1 | 6.3 | 10.8 | 20.3 | 29.8 | 51.9 | 60.2 | 117.2 | 288.2 | 430.1 |
| 67.5° | 1.3 | 1.9 | 5.7 | 8.9 | 15.2 | 22.8 | 38.0 | 44.3 | 53.2 | 60.8 | 112.7 |
| 70° | 1.3 | 1.3 | 5.1 | 5.7 | 9.5 | 17.1 | 27.2 | 31.0 | 36.1 | 41.2 | 47.5 |
| 72.5° | 1.3 | 1.3 | 4.4 | 4.4 | 6.3 | 11.4 | 20.9 | 22.8 | 26.0 | 29.1 | 33.6 |
| 75° | 3.2 | 2.5 | 3.8 | 3.8 | 4.4 | 8.9 | 15.8 | 17.7 | 19.0 | 21.5 | 24.7 |
| 77.5° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 5.7 | 10.1 | 11.4 | 13.3 | 14.6 | 17.1 |
| 80° | 2.5 | 2.5 | 2.5 | 3.2 | 3.2 | 3.8 | 6.3 | 7.0 | 7.6 | 9.5 | 10.1 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 3.8 | 4.4 | 5.7 |
| 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 |



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 345° | 346° | 347° | 348° | 349° | 350° | 351° | 352° | 353° | 354° | 355° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2123.8 | 2120.0 | 2116.9 | 2118.8 | 2113.1 | 2110.5 | 2112.4 | 2113.1 | 2114.3 | 2117.5 | 2118.1 |
| 5° | 2118.1 | 2116.9 | 2122.6 | 2125.7 | 2124.5 | 2125.7 | 2125.7 | 2123.2 | 2119.4 | 2121.9 | 2116.2 |
| 7.5° | 2114.3 | 2106.1 | 2099.8 | 2101.0 | 2094.7 | 2102.3 | 2109.3 | 2119.4 | 2122.6 | 2122.6 | 2116.2 |
| 10° | 2179.6 | 2170.7 | 2135.2 | 2111.2 | 2095.3 | 2081.4 | 2114.3 | 2080.8 | 2096.6 | 2036.4 | 2105.5 |
| 12.5° | 2233.4 | 2245.4 | 2229.6 | 2163.7 | 2152.3 | 2110.5 | 2134.6 | 2093.4 | 2081.4 | 2012.3 | 2034.5 |
| 15° | 2254.9 | 2232.1 | 2227.1 | 2208.7 | 2184.0 | 2172.0 | 2107.4 | 2100.4 | 2080.8 | 2088.4 | 2059.2 |
| 17.5° | 2235.9 | 2247.3 | 2232.1 | 2220.1 | 2194.8 | 2166.3 | 2127.6 | 2093.4 | 2066.2 | 2005.4 | 2056.7 |
| 20° | 2217.6 | 2232.8 | 2187.2 | 2194.8 | 2197.3 | 2164.4 | 2144.1 | 2115.6 | 2081.4 | 2024.4 | 1980.0 |
| 22.5° | 2187.2 | 2176.4 | 2180.2 | 2168.8 | 2159.3 | 2163.7 | 2135.9 | 2116.2 | 2058.6 | 2032.6 | 1972.4 |
| 25° | 2137.8 | 2134.0 | 2144.1 | 2142.8 | 2120.0 | 2112.4 | 2098.5 | 2077.6 | 2054.8 | 2013.0 | 1963.6 |
| 27.5° | 2057.3 | 2077.0 | 2094.7 | 2102.9 | 2090.9 | 2070.6 | 2063.0 | 2051.0 | 2035.2 | 1992.7 | 1956.0 |
| 30° | 1972.4 | 1994.6 | 2014.9 | 2032.6 | 2043.4 | 2034.5 | 2027.6 | 2020.6 | 1996.5 | 1968.6 | 1927.5 |
| 32.5° | 1875.5 | 1904.7 | 1932.5 | 1954.1 | 1977.5 | 1984.5 | 1979.4 | 1973.7 | 1953.4 | 1928.1 | 1895.2 |
| 35° | 1763.4 | 1803.3 | 1843.9 | 1882.5 | 1892.6 | 1909.1 | 1925.6 | 1916.1 | 1905.3 | 1880.0 | 1849.6 |
| 37.5° | 1668.4 | 1696.9 | 1726.0 | 1774.8 | 1810.3 | 1831.2 | 1860.3 | 1864.1 | 1845.8 | 1833.7 | 1793.8 |
| 40° | 1570.2 | 1596.2 | 1638.6 | 1667.1 | 1715.9 | 1740.0 | 1771.0 | 1785.0 | 1780.5 | 1773.6 | 1738.7 |
| 42.5° | 1493.0 | 1505.6 | 1533.5 | 1558.8 | 1607.0 | 1656.4 | 1683.6 | 1698.8 | 1714.6 | 1708.9 | 1691.2 |
| 45° | 1410.6 | 1422.0 | 1431.5 | 1453.7 | 1500.6 | 1544.3 | 1577.8 | 1600.6 | 1629.1 | 1642.4 | 1620.9 |
| 47.5° | 1328.9 | 1332.1 | 1343.5 | 1361.8 | 1389.7 | 1423.3 | 1479.6 | 1513.9 | 1540.5 | 1566.4 | 1552.5 |
| 50° | 1266.2 | 1254.8 | 1256.7 | 1268.1 | 1290.9 | 1323.8 | 1364.4 | 1412.5 | 1442.9 | 1474.6 | 1477.7 |
| 52.5° | 1106.6 | 1199.0 | 1176.9 | 1183.2 | 1195.2 | 1211.1 | 1253.5 | 1301.0 | 1338.4 | 1365.6 | 1392.9 |
| 55° | 928.6 | 947.0 | 1124.9 | 1099.6 | 1107.2 | 1121.1 | 1140.8 | 1188.3 | 1224.4 | 1262.4 | 1300.4 |
| 57.5° | 720.2 | 857.0 | 864.0 | 1028.7 | 1024.9 | 1026.1 | 1042.6 | 1069.8 | 1105.9 | 1153.4 | 1185.7 |
| 60° | 559.9 | 617.6 | 729.7 | 786.7 | 931.1 | 936.2 | 945.7 | 961.5 | 992.6 | 1037.5 | 1088.8 |
| 62.5° | 494.1 | 501.7 | 541.6 | 627.1 | 720.8 | 834.2 | 854.5 | 857.0 | 870.9 | 915.9 | 975.5 |
| 65° | 433.9 | 439.0 | 451.0 | 459.9 | 538.4 | 648.0 | 745.5 | 761.4 | 770.2 | 796.8 | 847.5 |
| 67.5° | 299.0 | 378.1 | 388.9 | 395.2 | 402.8 | 453.5 | 574.5 | 654.9 | 665.1 | 688.5 | 732.9 |
| 70° | 57.6 | 119.7 | 327.5 | 334.4 | 338.2 | 349.6 | 369.3 | 497.2 | 564.4 | 586.5 | 606.8 |
| 72.5° | 39.3 | 46.2 | 55.7 | 131.7 | 278.7 | 285.0 | 289.5 | 305.9 | 419.3 | 483.9 | 494.7 |
| 75° | 28.5 | 31.7 | 37.4 | 46.2 | 57.0 | 185.6 | 229.9 | 238.2 | 246.4 | 340.1 | 394.6 |
| 77.5° | 20.3 | 22.8 | 25.3 | 29.8 | 34.8 | 45.0 | 64.6 | 178.0 | 186.2 | 190.7 | 269.2 |
| 80° | 11.4 | 13.9 | 17.1 | 19.6 | 22.2 | 25.3 | 32.9 | 41.2 | 91.8 | 134.3 | 141.3 |
| 82.5° | 6.3 | 7.6 | 8.9 | 10.8 | 12.0 | 15.2 | 18.4 | 22.2 | 29.1 | 43.1 | 91.2 |
| 85° | 3.2 | 3.2 | 3.2 | 4.4 | 5.1 | 7.0 | 8.2 | 9.5 | 13.3 | 18.4 | 25.3 |
| 87.5° | 1.9 | 1.9 | 2.5 | 2.5 | 2.5 | 3.2 | 3.2 | 3.2 | 3.8 | 5.7 | 8.2 |
| 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: P#

CATALOG NUMBER: 2SNLED-LD5-32HL-RM-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

| | 356° | 357° | 358° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2110.5 | 2110.5 | 2110.5 | 2110.5 | 2110.5 |
| 2.5° | 2118.8 | 2116.9 | 2116.9 | 2124.5 | 2122.6 |
| 5° | 2115.0 | 2113.1 | 2112.4 | 2120.7 | 2116.9 |
| 7.5° | 2111.8 | 2104.8 | 2102.9 | 2110.5 | 2107.4 |
| 10° | 2099.1 | 2094.1 | 2097.2 | 2094.7 | 2093.4 |
| 12.5° | 2077.6 | 2074.4 | 2061.1 | 2062.4 | 2073.2 |
| 15° | 2039.0 | 2051.6 | 2028.8 | 2049.1 | 2053.5 |
| 17.5° | 1968.0 | 1996.5 | 2018.7 | 2030.7 | 2032.6 |
| 20° | 1999.7 | 2009.2 | 1997.8 | 1998.4 | 2006.0 |
| 22.5° | 1958.5 | 1962.9 | 1966.1 | 1962.3 | 1978.8 |
| 25° | 1892.6 | 1875.5 | 1912.3 | 1919.9 | 1946.5 |
| 27.5° | 1872.4 | 1858.4 | 1875.5 | 1874.3 | 1896.4 |
| 30° | 1855.9 | 1810.9 | 1818.5 | 1830.6 | 1857.8 |
| 32.5° | 1832.5 | 1761.5 | 1753.9 | 1780.5 | 1810.9 |
| 35° | 1791.3 | 1724.1 | 1706.4 | 1723.5 | 1769.1 |
| 37.5° | 1756.5 | 1672.2 | 1636.7 | 1659.5 | 1719.1 |
| 40° | 1704.5 | 1631.7 | 1576.6 | 1596.8 | 1667.1 |
| 42.5° | 1642.4 | 1596.8 | 1512.0 | 1525.9 | 1606.3 |
| 45° | 1579.7 | 1539.2 | 1449.2 | 1456.2 | 1551.9 |
| 47.5° | 1515.8 | 1478.4 | 1384.0 | 1385.3 | 1482.2 |
| 50° | 1453.0 | 1403.6 | 1325.7 | 1303.6 | 1408.1 |
| 52.5° | 1371.3 | 1325.7 | 1266.8 | 1230.7 | 1337.8 |
| 55° | 1294.1 | 1242.8 | 1199.7 | 1143.9 | 1258.0 |
| 57.5° | 1218.7 | 1161.7 | 1132.5 | 1061.0 | 1167.4 |
| 60° | 1115.4 | 1088.2 | 1045.1 | 976.7 | 1085.7 |
| 62.5° | 1009.7 | 1000.8 | 957.1 | 886.1 | 985.0 |
| 65° | 886.1 | 907.0 | 862.1 | 801.3 | 880.4 |
| 67.5° | 769.6 | 807.0 | 757.6 | 720.2 | 779.7 |
| 70° | 645.4 | 688.5 | 660.6 | 647.3 | 672.7 |
| 72.5° | 523.2 | 565.0 | 567.5 | 558.0 | 566.3 |
| 75° | 404.1 | 450.4 | 475.7 | 461.1 | 463.0 |
| 77.5° | 306.6 | 328.7 | 356.6 | 368.0 | 365.5 |
| 80° | 189.4 | 228.0 | 250.8 | 274.3 | 266.0 |
| 82.5° | 95.6 | 127.9 | 155.8 | 181.2 | 169.1 |
| 85° | 39.9 | 51.3 | 71.6 | 94.4 | 90.6 |
| 87.5° | 12.0 | 20.3 | 21.5 | 30.4 | 28.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)