

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: P201413

Luminaire Tested: **8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P28228)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U
Description: 8 ft. Low Bay Linear, 9000 lm, Wht Asym lens, 5K
Light Source: (616) 5000K CCT, 80 CRI LEDS
2UT217098A8504C, 2UT217056A8504B
Ballast/Driver: OSRAM
(OT85W01600CC), (OT50W0880CC)

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15205.6 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 2.07 / 1.2 / 1.84
Luminous Opening: Rectangular w/ Sides (W: 8' x L: 0.17' x H: 0.21')
CIE Type: Semi-Direct

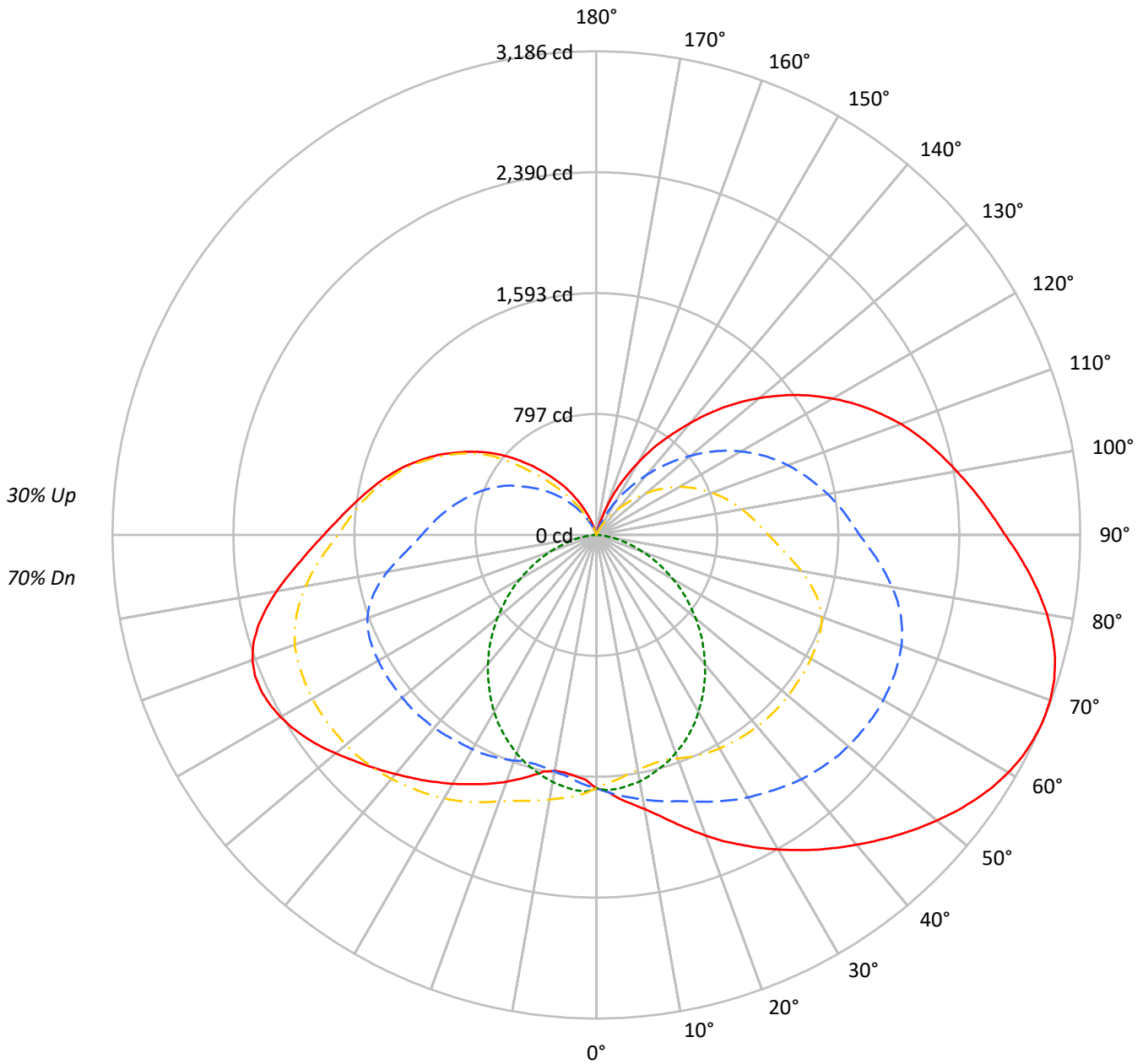
Input Watts (W): 117.46
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 112 | 112 | 112 | 112 | 106 | 106 | 106 | 106 | 95 | 95 | 95 | 84 | 84 | 84 | 75 | 75 | 75 | 70 |
| 1 | 97 | 90 | 84 | 79 | 91 | 85 | 80 | 75 | 75 | 71 | 67 | 66 | 63 | 60 | 58 | 55 | 53 | 48 |
| 2 | 86 | 76 | 68 | 60 | 81 | 72 | 64 | 57 | 63 | 57 | 51 | 55 | 50 | 46 | 48 | 44 | 40 | 36 |
| 3 | 78 | 65 | 56 | 48 | 72 | 61 | 53 | 46 | 54 | 47 | 41 | 47 | 41 | 36 | 41 | 36 | 32 | 28 |
| 4 | 70 | 57 | 47 | 39 | 65 | 53 | 44 | 37 | 47 | 39 | 33 | 41 | 35 | 30 | 35 | 30 | 26 | 23 |
| 5 | 64 | 50 | 40 | 33 | 60 | 47 | 38 | 31 | 41 | 34 | 28 | 36 | 30 | 25 | 31 | 26 | 22 | 19 |
| 6 | 59 | 44 | 35 | 28 | 55 | 42 | 33 | 26 | 37 | 29 | 24 | 32 | 26 | 21 | 28 | 23 | 19 | 16 |
| 7 | 54 | 40 | 30 | 24 | 50 | 37 | 29 | 23 | 33 | 26 | 21 | 29 | 23 | 18 | 25 | 20 | 16 | 14 |
| 8 | 50 | 36 | 27 | 21 | 47 | 34 | 26 | 20 | 30 | 23 | 18 | 27 | 21 | 16 | 23 | 18 | 14 | 12 |
| 9 | 47 | 33 | 24 | 18 | 44 | 31 | 23 | 18 | 27 | 21 | 16 | 24 | 18 | 14 | 21 | 16 | 13 | 10 |
| 10 | 44 | 30 | 22 | 16 | 41 | 28 | 21 | 16 | 25 | 19 | 14 | 22 | 17 | 13 | 20 | 15 | 11 | 9 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 13444 | 13444 | 13444 | 13444 |
| 5° | 12728 | 13543 | 11628 | 13604 |
| 10° | 12304 | 13427 | 10579 | 13467 |
| 15° | 12259 | 13207 | 10265 | 13248 |
| 20° | 12440 | 12976 | 10208 | 13017 |
| 25° | 12664 | 12701 | 10189 | 12701 |
| 30° | 12949 | 12325 | 10247 | 12348 |
| 35° | 13299 | 11915 | 10377 | 11891 |
| 40° | 13704 | 11450 | 10577 | 11424 |
| 45° | 14199 | 10953 | 10887 | 10925 |
| 50° | 14767 | 10368 | 11299 | 10338 |
| 55° | 15382 | 9742 | 11783 | 9676 |
| 60° | 15984 | 8957 | 12250 | 8919 |
| 65° | 16509 | 8169 | 12645 | 8079 |
| 70° | 16948 | 7174 | 12839 | 7119 |
| 75° | 17234 | 5962 | 12697 | 5891 |
| 80° | 17338 | 4399 | 12303 | 4496 |
| 85° | 17352 | 2288 | 11848 | 2644 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 159.4 | 1.0 |
| 10°-20° | 480.0 | 3.2 |
| 20°-30° | 808.4 | 5.3 |
| 30°-40° | 1122.5 | 7.4 |
| 40°-50° | 1405.1 | 9.2 |
| 50°-60° | 1634.1 | 10.7 |
| 60°-70° | 1771.0 | 11.6 |
| 70°-80° | 1744.4 | 11.5 |
| 80°-90° | 1545.7 | 10.2 |
| 90°-100° | 1332.9 | 8.8 |
| 100°-110° | 1122.3 | 7.4 |
| 110°-120° | 878.5 | 5.8 |
| 120°-130° | 615.6 | 4.0 |
| 130°-140° | 363.5 | 2.4 |
| 140°-150° | 167.4 | 1.1 |
| 150°-160° | 50.2 | 0.3 |
| 160°-170° | 4.6 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1447.7 | 9.5 |
| 0°-40° | 2570.3 | 16.9 |
| 0°-60° | 5609.5 | 36.9 |
| 0°-90° | 10670.5 | 70.2 |
| 90°-120° | 3333.7 | 21.9 |
| 90°-150° | 4480.2 | 29.5 |
| 90°-180° | 4535.0 | 29.8 |
| 0°-180° | 15205.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1669 | 1669 | 1669 | 1669 | 1669 | |
| 5° | 1745 | 1678 | 1594 | 1686 | 1745 | 169 |
| 15° | 1960 | 1594 | 1641 | 1599 | 1960 | 561 |
| 25° | 2252 | 1446 | 1812 | 1446 | 2252 | 1046 |
| 35° | 2531 | 1234 | 1975 | 1231 | 2531 | 1593 |
| 45° | 2798 | 986 | 2146 | 984 | 2798 | 2169 |
| 55° | 3043 | 719 | 2331 | 714 | 3043 | 2728 |
| 65° | 3179 | 452 | 2435 | 447 | 3179 | 3148 |
| 75° | 3127 | 210 | 2304 | 208 | 3127 | 3295 |
| 85° | 2860 | 32 | 1953 | 37 | 2860 | 2367 |
| 90° | 2692 | 0 | 1795 | 0 | 2692 | 1477 |
| 95° | 2549 | 0 | 1664 | 0 | 2549 | 2054 |
| 105° | 2277 | 0 | 1444 | 0 | 2277 | 2408 |
| 115° | 1973 | 0 | 1211 | 0 | 1973 | 1957 |
| 125° | 1607 | 0 | 954 | 2 | 1607 | 1442 |
| 135° | 1189 | 0 | 677 | 2 | 1189 | 923 |
| 145° | 752 | 0 | 418 | 2 | 752 | 478 |
| 155° | 361 | 0 | 180 | 2 | 361 | 173 |
| 165° | 57 | 0 | 10 | 2 | 57 | 23 |
| 175° | 0 | 0 | 0 | 2 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1693.3 | 1693.0 | 1692.7 | 1692.5 | 1692.2 | 1691.9 | 1691.6 | 1691.4 | 1691.1 | 1690.8 | 1691.3 |
| 5° | 1745.2 | 1743.3 | 1741.4 | 1739.4 | 1737.5 | 1735.6 | 1733.7 | 1731.7 | 1729.8 | 1727.9 | 1727.3 |
| 7.5° | 1787.2 | 1784.7 | 1782.3 | 1779.8 | 1777.3 | 1774.9 | 1772.4 | 1769.9 | 1767.5 | 1765.0 | 1762.8 |
| 10° | 1834.2 | 1830.6 | 1827.0 | 1823.5 | 1819.9 | 1816.3 | 1812.7 | 1809.2 | 1805.6 | 1802.0 | 1798.4 |
| 12.5° | 1891.0 | 1886.3 | 1881.7 | 1877.0 | 1872.3 | 1867.7 | 1863.0 | 1858.3 | 1853.7 | 1849.0 | 1843.0 |
| 15° | 1960.2 | 1954.2 | 1948.1 | 1942.1 | 1936.1 | 1930.0 | 1924.0 | 1918.0 | 1911.9 | 1905.9 | 1896.0 |
| 17.5° | 2031.9 | 2025.3 | 2018.7 | 2012.1 | 2005.5 | 1999.0 | 1992.4 | 1985.8 | 1979.2 | 1972.6 | 1957.8 |
| 20° | 2108.6 | 2100.1 | 2091.6 | 2083.0 | 2074.5 | 2066.0 | 2057.5 | 2048.9 | 2040.4 | 2031.9 | 2013.8 |
| 22.5° | 2182.7 | 2172.8 | 2162.9 | 2153.0 | 2143.1 | 2133.3 | 2123.4 | 2113.5 | 2103.6 | 2093.7 | 2072.6 |
| 25° | 2251.9 | 2241.2 | 2230.5 | 2219.8 | 2209.1 | 2198.3 | 2187.6 | 2176.9 | 2166.2 | 2155.5 | 2131.1 |
| 27.5° | 2323.6 | 2311.5 | 2299.4 | 2287.3 | 2275.2 | 2263.2 | 2251.1 | 2239.0 | 2226.9 | 2214.8 | 2187.3 |
| 30° | 2392.8 | 2379.6 | 2366.4 | 2353.3 | 2340.1 | 2326.9 | 2313.7 | 2300.6 | 2287.4 | 2274.2 | 2243.4 |
| 32.5° | 2462.0 | 2447.4 | 2432.9 | 2418.3 | 2403.8 | 2389.2 | 2374.7 | 2360.1 | 2345.6 | 2331.0 | 2296.7 |
| 35° | 2531.3 | 2515.4 | 2499.4 | 2483.5 | 2467.6 | 2451.6 | 2435.7 | 2419.8 | 2403.8 | 2387.9 | 2350.3 |
| 37.5° | 2598.0 | 2580.7 | 2563.4 | 2546.1 | 2528.8 | 2511.5 | 2494.2 | 2476.9 | 2459.6 | 2442.3 | 2401.6 |
| 40° | 2664.7 | 2646.0 | 2627.3 | 2608.7 | 2590.0 | 2571.3 | 2552.6 | 2534.0 | 2515.3 | 2496.6 | 2452.7 |
| 42.5° | 2731.5 | 2711.4 | 2691.4 | 2671.3 | 2651.3 | 2631.2 | 2611.2 | 2591.1 | 2571.1 | 2551.0 | 2503.2 |
| 45° | 2798.2 | 2776.5 | 2754.8 | 2733.1 | 2711.4 | 2689.7 | 2668.0 | 2646.3 | 2624.6 | 2602.9 | 2551.3 |
| 47.5° | 2865.0 | 2841.4 | 2817.8 | 2794.1 | 2770.5 | 2746.9 | 2723.3 | 2699.6 | 2676.0 | 2652.4 | 2597.2 |
| 50° | 2926.8 | 2902.1 | 2877.4 | 2852.6 | 2827.9 | 2803.2 | 2778.5 | 2753.7 | 2729.0 | 2704.3 | 2644.4 |
| 52.5° | 2988.6 | 2962.0 | 2935.3 | 2908.7 | 2882.0 | 2855.4 | 2828.7 | 2802.1 | 2775.4 | 2748.8 | 2684.8 |
| 55° | 3042.9 | 3015.4 | 2988.0 | 2960.5 | 2933.1 | 2905.6 | 2878.2 | 2850.7 | 2823.3 | 2795.8 | 2727.1 |
| 57.5° | 3092.4 | 3063.8 | 3035.3 | 3006.7 | 2978.1 | 2949.6 | 2921.0 | 2892.4 | 2863.9 | 2835.3 | 2762.8 |
| 60° | 3131.9 | 3102.5 | 3073.1 | 3043.7 | 3014.3 | 2985.0 | 2955.6 | 2926.2 | 2896.8 | 2867.4 | 2791.0 |
| 62.5° | 3161.6 | 3131.4 | 3101.2 | 3071.0 | 3040.8 | 3010.5 | 2980.3 | 2950.1 | 2919.9 | 2889.7 | 2810.3 |
| 65° | 3178.9 | 3148.4 | 3117.9 | 3087.4 | 3056.9 | 3026.5 | 2996.0 | 2965.5 | 2935.0 | 2904.5 | 2822.7 |
| 67.5° | 3186.3 | 3155.5 | 3124.8 | 3094.0 | 3063.3 | 3032.5 | 3001.8 | 2971.0 | 2940.3 | 2909.5 | 2825.7 |
| 70° | 3181.4 | 3150.6 | 3119.9 | 3089.1 | 3058.3 | 3027.6 | 2996.8 | 2966.0 | 2935.3 | 2904.5 | 2819.4 |
| 72.5° | 3161.6 | 3130.6 | 3099.5 | 3068.5 | 3037.5 | 3006.4 | 2975.4 | 2944.4 | 2913.3 | 2882.3 | 2796.6 |
| 75° | 3127.0 | 3096.8 | 3066.6 | 3036.4 | 3006.2 | 2975.9 | 2945.7 | 2915.5 | 2885.3 | 2855.1 | 2768.6 |
| 77.5° | 3075.1 | 3045.2 | 3015.2 | 2985.3 | 2955.3 | 2925.4 | 2895.4 | 2865.5 | 2835.5 | 2805.6 | 2719.6 |
| 80° | 3013.3 | 2983.1 | 2952.9 | 2922.7 | 2892.5 | 2862.2 | 2832.0 | 2801.8 | 2771.6 | 2741.4 | 2656.5 |
| 82.5° | 2939.1 | 2909.7 | 2880.3 | 2850.9 | 2821.5 | 2792.2 | 2762.8 | 2733.4 | 2704.0 | 2674.6 | 2590.6 |
| 85° | 2860.0 | 2830.9 | 2801.8 | 2772.7 | 2743.6 | 2714.4 | 2685.3 | 2656.2 | 2627.1 | 2598.0 | 2515.6 |
| 87.5° | 2776.0 | 2747.4 | 2718.9 | 2690.3 | 2661.7 | 2633.2 | 2604.6 | 2576.0 | 2547.5 | 2518.9 | 2438.1 |
| 90° | 2691.9 | 2663.9 | 2635.9 | 2607.9 | 2579.9 | 2551.8 | 2523.8 | 2495.8 | 2467.8 | 2439.8 | 2361.2 |
| 92.5° | 2617.8 | 2590.6 | 2563.4 | 2536.2 | 2509.0 | 2481.9 | 2454.7 | 2427.5 | 2400.3 | 2373.1 | 2296.7 |
| 95° | 2548.6 | 2522.2 | 2495.9 | 2469.5 | 2443.1 | 2416.8 | 2390.4 | 2364.0 | 2337.7 | 2311.3 | 2236.9 |
| 97.5° | 2479.3 | 2453.5 | 2427.7 | 2401.9 | 2376.1 | 2350.2 | 2324.4 | 2298.6 | 2272.8 | 2247.0 | 2174.5 |
| 100° | 2410.1 | 2384.8 | 2359.6 | 2334.3 | 2309.0 | 2283.8 | 2258.5 | 2233.2 | 2208.0 | 2182.7 | 2112.1 |
| 102.5° | 2343.4 | 2318.7 | 2294.0 | 2269.2 | 2244.5 | 2219.8 | 2195.1 | 2170.3 | 2145.6 | 2120.9 | 2051.4 |
| 105° | 2276.6 | 2252.4 | 2228.3 | 2204.1 | 2179.9 | 2155.8 | 2131.6 | 2107.4 | 2083.3 | 2059.1 | 1991.0 |
| 107.5° | 2207.4 | 2183.5 | 2159.6 | 2135.7 | 2111.8 | 2088.0 | 2064.1 | 2040.2 | 2016.3 | 1992.4 | 1925.9 |
| 110° | 2135.7 | 2112.1 | 2088.5 | 2064.9 | 2041.3 | 2017.6 | 1994.0 | 1970.4 | 1946.8 | 1923.2 | 1858.7 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 2054.2 | 2031.1 | 2008.0 | 1985.0 | 1961.9 | 1938.8 | 1915.7 | 1892.7 | 1869.6 | 1846.5 | 1784.2 |
| 115° | 1972.6 | 1950.1 | 1927.6 | 1905.0 | 1882.5 | 1860.0 | 1837.5 | 1814.9 | 1792.4 | 1769.9 | 1709.7 |
| 117.5° | 1886.1 | 1864.4 | 1842.7 | 1821.0 | 1799.3 | 1777.6 | 1755.9 | 1734.2 | 1712.5 | 1690.8 | 1632.3 |
| 120° | 1797.1 | 1776.0 | 1754.8 | 1733.7 | 1712.5 | 1691.4 | 1670.2 | 1649.1 | 1627.9 | 1606.8 | 1550.5 |
| 122.5° | 1703.2 | 1682.9 | 1662.5 | 1642.2 | 1621.9 | 1601.5 | 1581.2 | 1560.9 | 1540.5 | 1520.2 | 1466.1 |
| 125° | 1606.8 | 1587.3 | 1567.8 | 1548.3 | 1528.8 | 1509.2 | 1489.7 | 1470.2 | 1450.7 | 1431.2 | 1379.0 |
| 127.5° | 1505.4 | 1487.0 | 1468.6 | 1450.2 | 1431.8 | 1413.4 | 1395.0 | 1376.6 | 1358.2 | 1339.8 | 1289.5 |
| 130° | 1401.6 | 1384.3 | 1367.0 | 1349.7 | 1332.4 | 1315.1 | 1297.8 | 1280.5 | 1263.2 | 1245.9 | 1197.6 |
| 132.5° | 1297.8 | 1281.3 | 1264.8 | 1248.3 | 1231.8 | 1215.4 | 1198.9 | 1182.4 | 1165.9 | 1149.4 | 1103.5 |
| 135° | 1189.0 | 1173.3 | 1157.7 | 1142.0 | 1126.4 | 1110.7 | 1095.1 | 1079.4 | 1063.8 | 1048.1 | 1005.3 |
| 137.5° | 1075.3 | 1060.7 | 1046.2 | 1031.6 | 1017.1 | 1002.5 | 988.0 | 973.4 | 958.9 | 944.3 | 904.7 |
| 140° | 961.6 | 948.4 | 935.2 | 922.0 | 908.8 | 895.7 | 882.5 | 869.3 | 856.1 | 842.9 | 806.6 |
| 142.5° | 852.8 | 841.3 | 829.7 | 818.2 | 806.7 | 795.1 | 783.6 | 772.1 | 760.5 | 749.0 | 714.9 |
| 145° | 751.5 | 741.1 | 730.6 | 720.2 | 709.7 | 699.3 | 688.8 | 678.4 | 667.9 | 657.5 | 626.2 |
| 147.5° | 652.6 | 642.4 | 632.3 | 622.1 | 611.9 | 601.8 | 591.6 | 581.4 | 571.3 | 561.1 | 533.6 |
| 150° | 548.8 | 540.6 | 532.3 | 524.1 | 515.8 | 507.6 | 499.3 | 491.1 | 482.8 | 474.6 | 449.6 |
| 152.5° | 452.4 | 445.3 | 438.1 | 431.0 | 423.8 | 416.7 | 409.5 | 402.4 | 395.2 | 388.1 | 366.4 |
| 155° | 360.9 | 354.6 | 348.3 | 341.9 | 335.6 | 329.3 | 323.0 | 316.6 | 310.3 | 304.0 | 285.3 |
| 157.5° | 271.9 | 266.7 | 261.5 | 256.2 | 251.0 | 245.8 | 240.6 | 235.3 | 230.1 | 224.9 | 209.5 |
| 160° | 187.9 | 183.8 | 179.7 | 175.5 | 171.4 | 167.3 | 163.2 | 159.0 | 154.9 | 150.8 | 139.5 |
| 162.5° | 113.7 | 111.0 | 108.2 | 105.5 | 102.7 | 100.0 | 97.2 | 94.5 | 91.7 | 89.0 | 81.6 |
| 165° | 56.9 | 55.2 | 53.6 | 51.9 | 50.3 | 48.6 | 47.0 | 45.3 | 43.7 | 42.0 | 38.2 |
| 167.5° | 17.3 | 16.8 | 16.2 | 15.7 | 15.1 | 14.6 | 14.0 | 13.5 | 12.9 | 12.4 | 11.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1691.9 | 1692.4 | 1693.0 | 1693.5 | 1694.1 | 1694.6 | 1695.2 | 1695.7 | 1693.0 | 1690.2 | 1687.5 |
| 5° | 1726.8 | 1726.2 | 1725.7 | 1725.1 | 1724.6 | 1724.0 | 1723.5 | 1722.9 | 1718.2 | 1713.6 | 1708.9 |
| 7.5° | 1760.6 | 1758.4 | 1756.2 | 1754.0 | 1751.8 | 1749.6 | 1747.4 | 1745.2 | 1738.6 | 1732.0 | 1725.4 |
| 10° | 1794.9 | 1791.3 | 1787.7 | 1784.2 | 1780.6 | 1777.0 | 1773.5 | 1769.9 | 1760.6 | 1751.2 | 1741.9 |
| 12.5° | 1836.9 | 1830.9 | 1824.8 | 1818.8 | 1812.7 | 1806.7 | 1800.6 | 1794.6 | 1782.2 | 1769.9 | 1757.5 |
| 15° | 1886.1 | 1876.2 | 1866.3 | 1856.5 | 1846.6 | 1836.7 | 1826.8 | 1816.9 | 1801.2 | 1785.6 | 1769.9 |
| 17.5° | 1942.9 | 1928.1 | 1913.3 | 1898.4 | 1883.6 | 1868.8 | 1853.9 | 1839.1 | 1819.9 | 1800.7 | 1781.4 |
| 20° | 1995.7 | 1977.5 | 1959.4 | 1941.3 | 1923.2 | 1905.0 | 1886.9 | 1868.8 | 1844.6 | 1820.4 | 1796.3 |
| 22.5° | 2051.4 | 2030.3 | 2009.1 | 1988.0 | 1966.8 | 1945.7 | 1924.5 | 1903.4 | 1873.5 | 1843.5 | 1813.6 |
| 25° | 2106.6 | 2082.2 | 2057.7 | 2033.3 | 2008.8 | 1984.4 | 1959.9 | 1935.5 | 1900.1 | 1864.6 | 1829.2 |
| 27.5° | 2159.9 | 2132.4 | 2105.0 | 2077.5 | 2050.1 | 2022.6 | 1995.2 | 1967.7 | 1926.5 | 1885.3 | 1844.1 |
| 30° | 2212.7 | 2181.9 | 2151.1 | 2120.4 | 2089.6 | 2058.8 | 2028.1 | 1997.3 | 1950.3 | 1903.4 | 1856.4 |
| 32.5° | 2262.3 | 2228.0 | 2193.7 | 2159.3 | 2125.0 | 2090.7 | 2056.3 | 2022.0 | 1970.4 | 1918.7 | 1867.1 |
| 35° | 2312.6 | 2275.0 | 2237.4 | 2199.7 | 2162.1 | 2124.5 | 2086.8 | 2049.2 | 1992.3 | 1935.5 | 1878.6 |
| 37.5° | 2361.0 | 2320.3 | 2279.7 | 2239.0 | 2198.4 | 2157.7 | 2117.1 | 2076.4 | 2014.9 | 1953.4 | 1891.8 |
| 40° | 2408.7 | 2364.8 | 2320.8 | 2276.9 | 2232.9 | 2189.0 | 2145.0 | 2101.1 | 2035.2 | 1969.3 | 1903.4 |
| 42.5° | 2455.4 | 2407.6 | 2359.8 | 2312.1 | 2264.3 | 2216.5 | 2168.7 | 2120.9 | 2050.6 | 1980.3 | 1910.0 |
| 45° | 2499.6 | 2448.0 | 2396.4 | 2344.7 | 2293.1 | 2241.5 | 2189.8 | 2138.2 | 2063.8 | 1989.3 | 1914.9 |
| 47.5° | 2542.0 | 2486.8 | 2431.6 | 2376.3 | 2321.1 | 2265.9 | 2210.7 | 2155.5 | 2076.7 | 1997.9 | 1919.0 |
| 50° | 2584.5 | 2524.7 | 2464.8 | 2404.9 | 2345.0 | 2285.2 | 2225.3 | 2165.4 | 2082.7 | 2000.1 | 1917.4 |
| 52.5° | 2620.8 | 2556.8 | 2492.8 | 2428.8 | 2364.8 | 2300.8 | 2236.8 | 2172.8 | 2086.3 | 1999.8 | 1913.3 |
| 55° | 2658.5 | 2589.8 | 2521.1 | 2452.5 | 2383.8 | 2315.1 | 2246.5 | 2177.8 | 2087.7 | 1997.6 | 1907.5 |
| 57.5° | 2690.3 | 2617.8 | 2545.3 | 2472.7 | 2400.2 | 2327.7 | 2255.2 | 2182.7 | 2088.5 | 1994.3 | 1900.1 |
| 60° | 2714.7 | 2638.3 | 2562.0 | 2485.6 | 2409.3 | 2332.9 | 2256.6 | 2180.2 | 2083.0 | 1985.8 | 1888.5 |
| 62.5° | 2730.9 | 2651.6 | 2572.2 | 2492.8 | 2413.4 | 2334.1 | 2254.7 | 2175.3 | 2074.8 | 1974.3 | 1873.7 |
| 65° | 2740.8 | 2659.0 | 2577.1 | 2495.3 | 2413.4 | 2331.6 | 2249.7 | 2167.9 | 2064.4 | 1960.8 | 1857.3 |
| 67.5° | 2741.9 | 2658.2 | 2574.4 | 2490.6 | 2406.8 | 2323.1 | 2239.3 | 2155.5 | 2048.9 | 1942.4 | 1835.8 |
| 70° | 2734.2 | 2649.1 | 2563.9 | 2478.8 | 2393.6 | 2308.5 | 2223.3 | 2138.2 | 2028.9 | 1919.6 | 1810.3 |
| 72.5° | 2710.9 | 2625.2 | 2539.5 | 2453.8 | 2368.1 | 2282.4 | 2196.7 | 2111.0 | 2000.0 | 1889.1 | 1778.1 |
| 75° | 2682.1 | 2595.5 | 2509.0 | 2422.5 | 2336.0 | 2249.4 | 2162.9 | 2076.4 | 1964.1 | 1851.7 | 1739.4 |
| 77.5° | 2633.7 | 2547.7 | 2461.7 | 2375.8 | 2289.8 | 2203.8 | 2117.9 | 2031.9 | 1919.3 | 1806.7 | 1694.1 |
| 80° | 2571.6 | 2486.8 | 2401.9 | 2317.0 | 2232.1 | 2147.3 | 2062.4 | 1977.5 | 1865.7 | 1753.9 | 1642.2 |
| 82.5° | 2506.5 | 2422.5 | 2338.4 | 2254.4 | 2170.3 | 2086.3 | 2002.2 | 1918.2 | 1807.5 | 1696.8 | 1586.1 |
| 85° | 2433.2 | 2350.8 | 2268.4 | 2186.0 | 2103.6 | 2021.2 | 1938.8 | 1856.4 | 1747.4 | 1638.3 | 1529.3 |
| 87.5° | 2357.4 | 2276.6 | 2195.9 | 2115.1 | 2034.4 | 1953.6 | 1872.9 | 1792.1 | 1685.3 | 1578.4 | 1471.6 |
| 90° | 2282.7 | 2204.1 | 2125.6 | 2047.0 | 1968.5 | 1889.9 | 1811.4 | 1732.8 | 1627.9 | 1523.0 | 1418.0 |
| 92.5° | 2220.4 | 2144.0 | 2067.7 | 1991.3 | 1915.0 | 1838.6 | 1762.3 | 1685.9 | 1583.2 | 1480.5 | 1377.7 |
| 95° | 2162.4 | 2088.0 | 2013.6 | 1939.1 | 1864.7 | 1790.3 | 1715.8 | 1641.4 | 1540.3 | 1439.2 | 1338.2 |
| 97.5° | 2102.0 | 2029.5 | 1957.0 | 1884.4 | 1811.9 | 1739.4 | 1666.9 | 1594.4 | 1495.2 | 1396.1 | 1296.9 |
| 100° | 2041.5 | 1970.9 | 1900.3 | 1829.8 | 1759.2 | 1688.6 | 1618.0 | 1547.4 | 1450.2 | 1353.0 | 1255.7 |
| 102.5° | 1981.9 | 1912.4 | 1842.9 | 1773.5 | 1704.0 | 1634.5 | 1565.0 | 1495.5 | 1399.9 | 1304.3 | 1208.8 |
| 105° | 1922.9 | 1854.8 | 1786.7 | 1718.5 | 1650.4 | 1582.3 | 1514.2 | 1446.1 | 1351.9 | 1257.7 | 1163.5 |
| 107.5° | 1859.5 | 1793.0 | 1726.5 | 1660.1 | 1593.6 | 1527.1 | 1460.7 | 1394.2 | 1301.9 | 1209.6 | 1117.3 |
| 110° | 1794.1 | 1729.6 | 1665.0 | 1600.5 | 1535.9 | 1471.4 | 1406.8 | 1342.3 | 1251.9 | 1161.6 | 1071.2 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1721.8 | 1659.5 | 1597.1 | 1534.8 | 1472.4 | 1410.1 | 1347.7 | 1285.4 | 1197.2 | 1109.1 | 1020.9 |
| 115° | 1649.6 | 1589.4 | 1529.3 | 1469.1 | 1409.0 | 1348.8 | 1288.7 | 1228.5 | 1142.5 | 1056.6 | 970.6 |
| 117.5° | 1573.8 | 1515.3 | 1456.8 | 1398.3 | 1339.8 | 1281.3 | 1222.8 | 1164.3 | 1081.1 | 997.9 | 914.6 |
| 120° | 1494.2 | 1437.9 | 1381.6 | 1325.2 | 1268.9 | 1212.6 | 1156.3 | 1100.0 | 1019.3 | 938.5 | 857.8 |
| 122.5° | 1412.0 | 1357.9 | 1303.8 | 1249.7 | 1195.6 | 1141.5 | 1087.4 | 1033.3 | 955.8 | 878.4 | 800.9 |
| 125° | 1326.8 | 1274.7 | 1222.5 | 1170.3 | 1118.1 | 1066.0 | 1013.8 | 961.6 | 888.3 | 814.9 | 741.6 |
| 127.5° | 1239.3 | 1189.0 | 1138.7 | 1088.5 | 1038.2 | 987.9 | 937.7 | 887.4 | 818.2 | 749.0 | 679.8 |
| 130° | 1149.2 | 1100.9 | 1052.5 | 1004.2 | 955.8 | 907.5 | 859.1 | 810.8 | 746.3 | 681.7 | 617.2 |
| 132.5° | 1057.7 | 1011.8 | 965.9 | 920.1 | 874.2 | 828.3 | 782.5 | 736.6 | 676.5 | 616.3 | 556.2 |
| 135° | 962.4 | 919.6 | 876.7 | 833.9 | 791.0 | 748.2 | 705.3 | 662.5 | 607.0 | 551.5 | 496.0 |
| 137.5° | 865.2 | 825.6 | 786.1 | 746.5 | 707.0 | 667.4 | 627.9 | 588.3 | 537.5 | 486.7 | 435.9 |
| 140° | 770.4 | 734.1 | 697.9 | 661.6 | 625.4 | 589.1 | 552.9 | 516.6 | 470.7 | 424.9 | 379.0 |
| 142.5° | 680.9 | 646.8 | 612.8 | 578.7 | 544.7 | 510.6 | 476.6 | 442.5 | 401.8 | 361.2 | 320.5 |
| 145° | 594.9 | 563.6 | 532.3 | 500.9 | 469.6 | 438.3 | 407.0 | 375.7 | 340.0 | 304.3 | 268.6 |
| 147.5° | 506.2 | 478.7 | 451.2 | 423.8 | 396.3 | 368.8 | 341.4 | 313.9 | 282.9 | 251.8 | 220.8 |
| 150° | 424.6 | 399.6 | 374.6 | 349.7 | 324.7 | 299.7 | 274.7 | 249.7 | 224.2 | 198.6 | 173.1 |
| 152.5° | 344.7 | 323.0 | 301.3 | 279.6 | 257.9 | 236.2 | 214.5 | 192.8 | 172.5 | 152.2 | 131.8 |
| 155° | 266.7 | 248.0 | 229.3 | 210.7 | 192.0 | 173.3 | 154.7 | 136.0 | 121.4 | 106.9 | 92.3 |
| 157.5° | 194.1 | 178.8 | 163.4 | 148.0 | 132.6 | 117.3 | 101.9 | 86.5 | 76.9 | 67.3 | 57.7 |
| 160° | 128.3 | 117.0 | 105.7 | 94.5 | 83.2 | 71.9 | 60.7 | 49.4 | 43.9 | 38.4 | 32.9 |
| 162.5° | 74.2 | 66.7 | 59.3 | 51.9 | 44.5 | 37.0 | 29.6 | 22.2 | 19.7 | 17.3 | 14.8 |
| 165° | 34.3 | 30.5 | 26.6 | 22.8 | 18.9 | 15.1 | 11.2 | 7.4 | 6.6 | 5.8 | 4.9 |
| 167.5° | 9.6 | 8.3 | 6.9 | 5.5 | 4.1 | 2.8 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1684.7 | 1682.0 | 1679.2 | 1676.5 | 1673.7 | 1671.0 | 1672.4 | 1673.8 | 1675.1 | 1676.5 | 1677.9 |
| 5° | 1704.2 | 1699.6 | 1694.9 | 1690.2 | 1685.6 | 1680.9 | 1680.6 | 1680.3 | 1680.1 | 1679.8 | 1679.5 |
| 7.5° | 1718.8 | 1712.3 | 1705.7 | 1699.1 | 1692.5 | 1685.9 | 1683.4 | 1680.9 | 1678.5 | 1676.0 | 1673.5 |
| 10° | 1732.6 | 1723.2 | 1713.9 | 1704.6 | 1695.2 | 1685.9 | 1681.8 | 1677.7 | 1673.5 | 1669.4 | 1665.3 |
| 12.5° | 1745.2 | 1732.8 | 1720.5 | 1708.1 | 1695.8 | 1683.4 | 1676.8 | 1670.2 | 1663.6 | 1657.0 | 1650.5 |
| 15° | 1754.3 | 1738.6 | 1723.0 | 1707.3 | 1691.7 | 1676.0 | 1666.9 | 1657.9 | 1648.8 | 1639.7 | 1630.7 |
| 17.5° | 1762.2 | 1743.0 | 1723.8 | 1704.5 | 1685.3 | 1666.1 | 1655.1 | 1644.1 | 1633.1 | 1622.1 | 1611.2 |
| 20° | 1772.1 | 1747.9 | 1723.7 | 1699.6 | 1675.4 | 1651.2 | 1637.5 | 1623.8 | 1610.0 | 1596.3 | 1582.6 |
| 22.5° | 1783.6 | 1753.7 | 1723.7 | 1693.8 | 1663.8 | 1633.9 | 1618.0 | 1602.1 | 1586.1 | 1570.2 | 1554.3 |
| 25° | 1793.8 | 1758.3 | 1722.9 | 1687.5 | 1652.0 | 1616.6 | 1597.7 | 1578.7 | 1559.8 | 1540.8 | 1521.9 |
| 27.5° | 1802.9 | 1761.7 | 1720.5 | 1679.3 | 1638.1 | 1596.9 | 1574.9 | 1552.9 | 1531.0 | 1509.0 | 1487.0 |
| 30° | 1809.4 | 1762.5 | 1715.5 | 1668.5 | 1621.6 | 1574.6 | 1549.1 | 1523.5 | 1498.0 | 1472.4 | 1446.9 |
| 32.5° | 1815.5 | 1763.8 | 1712.2 | 1660.6 | 1608.9 | 1557.3 | 1527.6 | 1498.0 | 1468.3 | 1438.6 | 1409.0 |
| 35° | 1821.8 | 1764.9 | 1708.1 | 1651.2 | 1594.4 | 1537.5 | 1503.7 | 1469.9 | 1436.2 | 1402.4 | 1368.6 |
| 37.5° | 1830.3 | 1768.8 | 1707.3 | 1645.7 | 1584.2 | 1522.7 | 1484.0 | 1445.3 | 1406.5 | 1367.8 | 1329.1 |
| 40° | 1837.5 | 1771.5 | 1705.6 | 1639.7 | 1573.8 | 1507.9 | 1464.0 | 1420.0 | 1376.1 | 1332.1 | 1288.2 |
| 42.5° | 1839.7 | 1769.3 | 1699.0 | 1628.7 | 1558.4 | 1488.1 | 1439.2 | 1390.3 | 1341.4 | 1292.5 | 1243.7 |
| 45° | 1840.5 | 1766.0 | 1691.6 | 1617.2 | 1542.7 | 1468.3 | 1414.7 | 1361.2 | 1307.6 | 1254.1 | 1200.5 |
| 47.5° | 1840.2 | 1761.4 | 1682.6 | 1603.7 | 1524.9 | 1446.1 | 1387.6 | 1329.1 | 1270.6 | 1212.1 | 1153.6 |
| 50° | 1834.7 | 1752.1 | 1669.4 | 1586.7 | 1504.1 | 1421.4 | 1358.2 | 1295.0 | 1231.9 | 1168.7 | 1105.5 |
| 52.5° | 1826.8 | 1740.2 | 1653.7 | 1567.2 | 1480.7 | 1394.2 | 1326.4 | 1258.5 | 1190.7 | 1122.8 | 1055.0 |
| 55° | 1817.4 | 1727.4 | 1637.3 | 1547.2 | 1457.1 | 1367.0 | 1295.0 | 1223.1 | 1151.1 | 1079.1 | 1007.2 |
| 57.5° | 1805.9 | 1711.6 | 1617.4 | 1523.2 | 1429.0 | 1334.8 | 1259.0 | 1183.2 | 1107.4 | 1031.6 | 955.8 |
| 60° | 1791.3 | 1694.1 | 1596.9 | 1499.6 | 1402.4 | 1305.2 | 1224.7 | 1144.2 | 1063.8 | 983.3 | 902.8 |
| 62.5° | 1773.2 | 1672.7 | 1572.2 | 1471.6 | 1371.1 | 1270.6 | 1186.6 | 1102.5 | 1018.5 | 934.4 | 850.4 |
| 65° | 1753.7 | 1650.2 | 1546.6 | 1443.1 | 1339.5 | 1236.0 | 1148.9 | 1061.9 | 974.8 | 887.7 | 800.7 |
| 67.5° | 1729.2 | 1622.7 | 1516.1 | 1409.5 | 1303.0 | 1196.4 | 1106.6 | 1016.8 | 927.0 | 837.2 | 747.3 |
| 70° | 1701.0 | 1591.6 | 1482.3 | 1373.0 | 1263.7 | 1154.4 | 1062.4 | 970.4 | 878.4 | 786.4 | 694.3 |
| 72.5° | 1667.2 | 1556.2 | 1445.3 | 1334.3 | 1223.4 | 1112.4 | 1018.5 | 924.5 | 830.6 | 736.7 | 642.7 |
| 75° | 1627.1 | 1514.7 | 1402.4 | 1290.1 | 1177.7 | 1065.4 | 970.4 | 875.3 | 780.3 | 685.3 | 590.2 |
| 77.5° | 1581.5 | 1468.8 | 1356.2 | 1243.6 | 1131.0 | 1018.4 | 922.5 | 826.7 | 730.8 | 635.0 | 539.1 |
| 80° | 1530.4 | 1418.6 | 1306.8 | 1195.1 | 1083.3 | 971.5 | 875.6 | 779.8 | 683.9 | 588.1 | 492.2 |
| 82.5° | 1475.4 | 1364.8 | 1254.1 | 1143.4 | 1032.7 | 922.0 | 827.0 | 731.9 | 636.9 | 541.9 | 446.8 |
| 85° | 1420.3 | 1311.2 | 1202.2 | 1093.2 | 984.1 | 875.1 | 781.4 | 687.8 | 594.1 | 500.4 | 406.8 |
| 87.5° | 1364.8 | 1257.9 | 1151.1 | 1044.3 | 937.4 | 830.6 | 739.1 | 647.7 | 556.2 | 464.7 | 373.3 |
| 90° | 1313.1 | 1208.2 | 1103.3 | 998.3 | 893.4 | 788.5 | 700.9 | 613.3 | 525.7 | 438.1 | 350.4 |
| 92.5° | 1275.0 | 1172.3 | 1069.6 | 966.8 | 864.1 | 761.4 | 676.8 | 592.2 | 507.6 | 423.0 | 338.4 |
| 95° | 1237.1 | 1136.0 | 1034.9 | 933.9 | 832.8 | 731.7 | 650.4 | 569.1 | 487.8 | 406.5 | 325.2 |
| 97.5° | 1197.8 | 1098.6 | 999.5 | 900.3 | 801.2 | 702.0 | 624.0 | 546.0 | 468.0 | 390.0 | 312.0 |
| 100° | 1158.5 | 1061.3 | 964.1 | 866.8 | 769.6 | 672.4 | 597.7 | 523.0 | 448.3 | 373.6 | 298.8 |
| 102.5° | 1113.2 | 1017.6 | 922.0 | 826.5 | 730.9 | 635.3 | 564.7 | 494.1 | 423.5 | 352.9 | 282.4 |
| 105° | 1069.3 | 975.0 | 880.8 | 786.6 | 692.4 | 598.2 | 531.7 | 465.3 | 398.8 | 332.3 | 265.9 |
| 107.5° | 1025.0 | 932.8 | 840.5 | 748.2 | 655.9 | 563.6 | 501.0 | 438.4 | 375.7 | 313.1 | 250.5 |
| 110° | 980.8 | 890.5 | 800.1 | 709.7 | 619.4 | 529.0 | 470.2 | 411.4 | 352.7 | 293.9 | 235.1 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 932.7 | 844.6 | 756.4 | 668.2 | 580.1 | 491.9 | 437.2 | 382.6 | 327.9 | 273.3 | 218.6 |
| 115° | 884.6 | 798.7 | 712.7 | 626.7 | 540.8 | 454.8 | 404.3 | 353.7 | 303.2 | 252.7 | 202.1 |
| 117.5° | 831.4 | 748.2 | 665.0 | 581.7 | 498.5 | 415.3 | 369.2 | 323.0 | 276.9 | 230.7 | 184.6 |
| 120° | 777.0 | 696.3 | 615.5 | 534.8 | 454.0 | 373.3 | 331.8 | 290.3 | 248.9 | 207.4 | 165.9 |
| 122.5° | 723.5 | 646.0 | 568.6 | 491.1 | 413.7 | 336.2 | 298.8 | 261.5 | 224.1 | 186.8 | 149.4 |
| 125° | 668.3 | 594.9 | 521.6 | 448.3 | 374.9 | 301.6 | 268.1 | 234.6 | 201.1 | 167.6 | 134.0 |
| 127.5° | 610.6 | 541.3 | 472.1 | 402.9 | 333.7 | 264.5 | 235.1 | 205.7 | 176.3 | 146.9 | 117.6 |
| 130° | 552.6 | 488.1 | 423.5 | 359.0 | 294.4 | 229.9 | 204.4 | 178.8 | 153.3 | 127.7 | 102.2 |
| 132.5° | 496.0 | 435.9 | 375.7 | 315.6 | 255.4 | 195.3 | 173.6 | 151.9 | 130.2 | 108.5 | 86.8 |
| 135° | 440.5 | 385.1 | 329.6 | 274.1 | 218.6 | 163.1 | 145.0 | 126.9 | 108.7 | 90.6 | 72.5 |
| 137.5° | 385.1 | 334.2 | 283.4 | 232.6 | 181.8 | 131.0 | 116.4 | 101.9 | 87.3 | 72.8 | 58.2 |
| 140° | 333.1 | 287.3 | 241.4 | 195.5 | 149.7 | 103.8 | 92.3 | 80.7 | 69.2 | 57.7 | 46.1 |
| 142.5° | 279.9 | 239.2 | 198.6 | 157.9 | 117.3 | 76.6 | 68.1 | 59.6 | 51.1 | 42.6 | 34.0 |
| 145° | 232.9 | 197.2 | 161.5 | 125.8 | 90.1 | 54.4 | 48.4 | 42.3 | 36.3 | 30.2 | 24.2 |
| 147.5° | 189.8 | 158.7 | 127.7 | 96.7 | 65.6 | 34.6 | 30.8 | 26.9 | 23.1 | 19.2 | 15.4 |
| 150° | 147.5 | 122.0 | 96.4 | 70.9 | 45.3 | 19.8 | 17.6 | 15.4 | 13.2 | 11.0 | 8.8 |
| 152.5° | 111.5 | 91.2 | 70.9 | 50.5 | 30.2 | 9.9 | 8.8 | 7.7 | 6.6 | 5.5 | 4.4 |
| 155° | 77.7 | 63.2 | 48.6 | 34.0 | 19.5 | 4.9 | 4.4 | 3.8 | 3.3 | 2.7 | 2.2 |
| 157.5° | 48.1 | 38.4 | 28.8 | 19.2 | 9.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 27.4 | 22.0 | 16.5 | 11.0 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 12.3 | 9.9 | 7.4 | 4.9 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 4.1 | 3.3 | 2.5 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLEDD-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° | 92.5° | 95° | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1679.3 | 1680.6 | 1682.0 | 1683.4 | 1679.8 | 1676.2 | 1672.7 | 1669.1 | 1665.5 | 1661.9 | 1658.4 |
| 5° | 1679.2 | 1679.0 | 1678.7 | 1678.4 | 1673.2 | 1668.0 | 1662.8 | 1657.6 | 1652.3 | 1647.1 | 1641.9 |
| 7.5° | 1671.0 | 1668.6 | 1666.1 | 1663.6 | 1657.6 | 1651.5 | 1645.5 | 1639.4 | 1633.4 | 1627.3 | 1621.3 |
| 10° | 1661.2 | 1657.0 | 1652.9 | 1648.8 | 1641.7 | 1634.5 | 1627.4 | 1620.2 | 1613.1 | 1605.9 | 1598.8 |
| 12.5° | 1643.9 | 1637.3 | 1630.7 | 1624.1 | 1616.7 | 1609.3 | 1601.8 | 1594.4 | 1587.0 | 1579.6 | 1572.1 |
| 15° | 1621.6 | 1612.5 | 1603.5 | 1594.4 | 1587.0 | 1579.6 | 1572.2 | 1564.8 | 1557.3 | 1549.9 | 1542.5 |
| 17.5° | 1600.2 | 1589.2 | 1578.2 | 1567.2 | 1559.5 | 1551.8 | 1544.1 | 1536.4 | 1528.8 | 1521.1 | 1513.4 |
| 20° | 1568.9 | 1555.1 | 1541.4 | 1527.7 | 1521.1 | 1514.5 | 1507.9 | 1501.3 | 1494.7 | 1488.1 | 1481.5 |
| 22.5° | 1538.4 | 1522.4 | 1506.5 | 1490.6 | 1484.6 | 1478.5 | 1472.5 | 1466.4 | 1460.4 | 1454.3 | 1448.3 |
| 25° | 1502.9 | 1484.0 | 1465.0 | 1446.1 | 1441.7 | 1437.3 | 1432.9 | 1428.5 | 1424.1 | 1419.7 | 1415.3 |
| 27.5° | 1465.0 | 1443.1 | 1421.1 | 1399.1 | 1396.6 | 1394.2 | 1391.7 | 1389.2 | 1386.8 | 1384.3 | 1381.8 |
| 30° | 1421.3 | 1395.8 | 1370.2 | 1344.7 | 1345.0 | 1345.3 | 1345.5 | 1345.8 | 1346.1 | 1346.4 | 1346.6 |
| 32.5° | 1379.3 | 1349.6 | 1320.0 | 1290.3 | 1294.2 | 1298.0 | 1301.9 | 1305.7 | 1309.6 | 1313.4 | 1317.3 |
| 35° | 1334.8 | 1301.1 | 1267.3 | 1233.5 | 1241.2 | 1248.9 | 1256.6 | 1264.3 | 1271.9 | 1279.6 | 1287.3 |
| 37.5° | 1290.4 | 1251.6 | 1212.9 | 1174.2 | 1186.0 | 1197.8 | 1209.6 | 1221.4 | 1233.3 | 1245.1 | 1256.9 |
| 40° | 1244.2 | 1200.3 | 1156.3 | 1112.4 | 1128.1 | 1143.7 | 1159.4 | 1175.0 | 1190.7 | 1206.3 | 1222.0 |
| 42.5° | 1194.8 | 1145.9 | 1097.0 | 1048.1 | 1067.9 | 1087.7 | 1107.4 | 1127.2 | 1147.0 | 1166.8 | 1186.5 |
| 45° | 1147.0 | 1093.4 | 1039.9 | 986.3 | 1009.6 | 1033.0 | 1056.3 | 1079.7 | 1103.0 | 1126.4 | 1149.7 |
| 47.5° | 1095.1 | 1036.6 | 978.1 | 919.6 | 947.1 | 974.5 | 1002.0 | 1029.5 | 1056.9 | 1084.4 | 1111.9 |
| 50° | 1042.3 | 979.2 | 916.0 | 852.8 | 884.4 | 916.0 | 947.6 | 979.2 | 1010.7 | 1042.3 | 1073.9 |
| 52.5° | 987.1 | 919.3 | 851.4 | 783.6 | 819.0 | 854.5 | 889.9 | 925.3 | 960.8 | 996.2 | 1031.6 |
| 55° | 935.2 | 863.2 | 791.3 | 719.3 | 758.3 | 797.3 | 836.3 | 875.3 | 914.3 | 953.3 | 992.3 |
| 57.5° | 880.0 | 804.2 | 728.4 | 652.6 | 695.2 | 737.7 | 780.3 | 822.9 | 865.4 | 908.0 | 950.6 |
| 60° | 822.3 | 741.9 | 661.4 | 580.9 | 627.6 | 674.3 | 721.0 | 767.7 | 814.3 | 861.0 | 907.7 |
| 62.5° | 766.3 | 682.3 | 598.2 | 514.2 | 564.2 | 614.2 | 664.2 | 714.2 | 764.1 | 814.1 | 864.1 |
| 65° | 713.6 | 626.5 | 539.5 | 452.4 | 505.1 | 557.9 | 610.6 | 663.3 | 716.1 | 768.8 | 821.5 |
| 67.5° | 657.5 | 567.7 | 477.9 | 388.1 | 443.0 | 498.0 | 552.9 | 607.8 | 662.8 | 717.7 | 772.6 |
| 70° | 602.3 | 510.3 | 418.3 | 326.3 | 383.4 | 440.6 | 497.7 | 554.8 | 612.0 | 669.1 | 726.2 |
| 72.5° | 548.8 | 454.9 | 360.9 | 267.0 | 325.5 | 384.0 | 442.5 | 501.0 | 559.5 | 618.0 | 676.5 |
| 75° | 495.2 | 400.2 | 305.1 | 210.1 | 269.7 | 329.3 | 388.9 | 448.5 | 508.1 | 567.7 | 627.3 |
| 77.5° | 443.3 | 347.4 | 251.6 | 155.7 | 216.1 | 276.6 | 337.0 | 397.4 | 457.9 | 518.3 | 578.7 |
| 80° | 396.4 | 300.5 | 204.7 | 108.8 | 169.2 | 229.6 | 290.1 | 350.5 | 410.9 | 471.3 | 531.8 |
| 82.5° | 351.8 | 256.8 | 161.7 | 66.7 | 126.0 | 185.4 | 244.7 | 304.0 | 363.4 | 422.7 | 482.0 |
| 85° | 313.1 | 219.4 | 125.8 | 32.1 | 90.3 | 148.6 | 206.8 | 265.0 | 323.3 | 381.5 | 439.7 |
| 87.5° | 281.8 | 190.3 | 98.9 | 7.4 | 64.3 | 121.1 | 178.0 | 234.8 | 291.7 | 348.5 | 405.4 |
| 90° | 262.8 | 175.2 | 87.6 | 0.0 | 54.4 | 108.8 | 163.1 | 217.5 | 271.9 | 326.3 | 380.6 |
| 92.5° | 253.8 | 169.2 | 84.6 | 0.0 | 51.9 | 103.8 | 155.7 | 207.6 | 259.6 | 311.5 | 363.4 |
| 95° | 243.9 | 162.6 | 81.3 | 0.0 | 49.4 | 98.9 | 148.3 | 197.7 | 247.2 | 296.6 | 346.0 |
| 97.5° | 234.0 | 156.0 | 78.0 | 0.0 | 46.7 | 93.4 | 140.1 | 186.8 | 233.4 | 280.1 | 326.8 |
| 100° | 224.1 | 149.4 | 74.7 | 0.0 | 43.9 | 87.9 | 131.8 | 175.8 | 219.7 | 263.7 | 307.6 |
| 102.5° | 211.8 | 141.2 | 70.6 | 0.0 | 41.2 | 82.4 | 123.6 | 164.8 | 206.0 | 247.2 | 288.4 |
| 105° | 199.4 | 132.9 | 66.5 | 0.0 | 38.5 | 76.9 | 115.4 | 153.8 | 192.3 | 230.7 | 269.2 |
| 107.5° | 187.9 | 125.2 | 62.6 | 0.0 | 35.7 | 71.4 | 107.1 | 142.8 | 178.6 | 214.3 | 250.0 |
| 110° | 176.3 | 117.6 | 58.8 | 0.0 | 32.7 | 65.4 | 98.1 | 130.8 | 163.4 | 196.1 | 228.8 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° | 92.5° | 95° | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|-------|-------|-------|-----|-------|------|-------|-------|--------|-------|--------|
| 112.5° | 164.0 | 109.3 | 54.7 | 0.0 | 29.9 | 59.9 | 89.8 | 119.7 | 149.7 | 179.6 | 209.5 |
| 115° | 151.6 | 101.1 | 50.5 | 0.0 | 26.9 | 53.8 | 80.7 | 107.6 | 134.6 | 161.5 | 188.4 |
| 117.5° | 138.4 | 92.3 | 46.1 | 0.0 | 24.2 | 48.3 | 72.5 | 96.7 | 120.8 | 145.0 | 169.2 |
| 120° | 124.4 | 83.0 | 41.5 | 0.0 | 21.4 | 42.8 | 64.3 | 85.7 | 107.1 | 128.5 | 150.0 |
| 122.5° | 112.1 | 74.7 | 37.4 | 0.0 | 18.7 | 37.4 | 56.0 | 74.7 | 93.4 | 112.1 | 130.7 |
| 125° | 100.5 | 67.0 | 33.5 | 0.0 | 15.9 | 31.9 | 47.8 | 63.7 | 79.7 | 95.6 | 111.5 |
| 127.5° | 88.2 | 58.8 | 29.4 | 0.0 | 12.9 | 25.8 | 38.7 | 51.6 | 64.6 | 77.5 | 90.4 |
| 130° | 76.6 | 51.1 | 25.5 | 0.0 | 10.2 | 20.3 | 30.5 | 40.7 | 50.8 | 61.0 | 71.2 |
| 132.5° | 65.1 | 43.4 | 21.7 | 0.0 | 7.7 | 15.4 | 23.1 | 30.8 | 38.4 | 46.1 | 53.8 |
| 135° | 54.4 | 36.2 | 18.1 | 0.0 | 5.5 | 11.0 | 16.5 | 22.0 | 27.4 | 32.9 | 38.4 |
| 137.5° | 43.7 | 29.1 | 14.6 | 0.0 | 3.8 | 7.7 | 11.5 | 15.4 | 19.2 | 23.1 | 26.9 |
| 140° | 34.6 | 23.1 | 11.5 | 0.0 | 2.2 | 4.4 | 6.6 | 8.8 | 11.0 | 13.2 | 15.4 |
| 142.5° | 25.5 | 17.0 | 8.5 | 0.0 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.6 | 7.7 |
| 145° | 18.1 | 12.1 | 6.0 | 0.0 | 0.5 | 1.1 | 1.6 | 2.2 | 2.7 | 3.3 | 3.8 |
| 147.5° | 11.5 | 7.7 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 6.6 | 4.4 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 3.3 | 2.2 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 1.6 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1654.8 | 1651.2 | 1649.6 | 1647.9 | 1646.3 | 1644.6 | 1643.0 | 1641.3 | 1639.7 | 1638.0 | 1636.4 |
| 5° | 1636.7 | 1631.5 | 1629.8 | 1628.2 | 1626.5 | 1624.9 | 1623.2 | 1621.6 | 1619.9 | 1618.3 | 1616.6 |
| 7.5° | 1615.2 | 1609.2 | 1607.0 | 1604.8 | 1602.6 | 1600.4 | 1598.3 | 1596.1 | 1593.9 | 1591.7 | 1589.5 |
| 10° | 1591.6 | 1584.5 | 1583.1 | 1581.7 | 1580.4 | 1579.0 | 1577.6 | 1576.2 | 1574.9 | 1573.5 | 1572.1 |
| 12.5° | 1564.7 | 1557.3 | 1557.3 | 1557.3 | 1557.3 | 1557.3 | 1557.3 | 1557.3 | 1557.3 | 1557.3 | 1557.3 |
| 15° | 1535.1 | 1527.7 | 1530.2 | 1532.6 | 1535.1 | 1537.6 | 1540.0 | 1542.5 | 1545.0 | 1547.4 | 1549.9 |
| 17.5° | 1505.7 | 1498.0 | 1504.0 | 1510.1 | 1516.1 | 1522.2 | 1528.2 | 1534.3 | 1540.3 | 1546.4 | 1552.4 |
| 20° | 1474.9 | 1468.3 | 1479.3 | 1490.3 | 1501.3 | 1512.3 | 1523.2 | 1534.2 | 1545.2 | 1556.2 | 1567.2 |
| 22.5° | 1442.2 | 1436.2 | 1452.7 | 1469.2 | 1485.6 | 1502.1 | 1518.6 | 1535.1 | 1551.5 | 1568.0 | 1584.5 |
| 25° | 1410.9 | 1406.5 | 1428.2 | 1449.9 | 1471.6 | 1493.3 | 1515.0 | 1536.7 | 1558.4 | 1580.1 | 1601.8 |
| 27.5° | 1379.4 | 1376.9 | 1403.3 | 1429.6 | 1456.0 | 1482.4 | 1508.7 | 1535.1 | 1561.5 | 1587.8 | 1614.2 |
| 30° | 1346.9 | 1347.2 | 1378.0 | 1408.7 | 1439.5 | 1470.3 | 1501.0 | 1531.8 | 1562.6 | 1593.3 | 1624.1 |
| 32.5° | 1321.1 | 1325.0 | 1359.1 | 1393.1 | 1427.2 | 1461.2 | 1495.3 | 1529.3 | 1563.4 | 1597.4 | 1631.5 |
| 35° | 1295.0 | 1302.7 | 1340.1 | 1377.4 | 1414.8 | 1452.1 | 1489.5 | 1526.8 | 1564.2 | 1601.5 | 1638.9 |
| 37.5° | 1268.7 | 1280.5 | 1320.9 | 1361.2 | 1401.6 | 1442.0 | 1482.3 | 1522.7 | 1563.1 | 1603.4 | 1643.8 |
| 40° | 1237.6 | 1253.3 | 1297.2 | 1341.2 | 1385.1 | 1429.1 | 1473.0 | 1517.0 | 1560.9 | 1604.9 | 1648.8 |
| 42.5° | 1206.3 | 1226.1 | 1273.3 | 1320.6 | 1367.8 | 1415.0 | 1462.3 | 1509.5 | 1556.7 | 1604.0 | 1651.2 |
| 45° | 1173.1 | 1196.4 | 1246.9 | 1297.5 | 1348.0 | 1398.5 | 1449.1 | 1499.6 | 1550.1 | 1600.7 | 1651.2 |
| 47.5° | 1139.3 | 1166.8 | 1220.6 | 1274.4 | 1328.3 | 1382.1 | 1435.9 | 1489.7 | 1543.6 | 1597.4 | 1651.2 |
| 50° | 1105.5 | 1137.1 | 1194.0 | 1250.8 | 1307.7 | 1364.5 | 1421.4 | 1478.2 | 1535.1 | 1591.9 | 1648.8 |
| 52.5° | 1067.1 | 1102.5 | 1162.6 | 1222.8 | 1282.9 | 1343.1 | 1403.2 | 1463.4 | 1523.5 | 1583.7 | 1643.8 |
| 55° | 1031.3 | 1070.3 | 1133.8 | 1197.2 | 1260.7 | 1324.1 | 1387.6 | 1451.0 | 1514.5 | 1577.9 | 1641.4 |
| 57.5° | 993.1 | 1035.7 | 1102.4 | 1169.2 | 1235.9 | 1302.7 | 1369.4 | 1436.2 | 1502.9 | 1569.7 | 1636.4 |
| 60° | 954.4 | 1001.1 | 1071.1 | 1141.2 | 1211.2 | 1281.3 | 1351.3 | 1421.4 | 1491.4 | 1561.5 | 1631.5 |
| 62.5° | 914.1 | 964.1 | 1037.4 | 1110.8 | 1184.1 | 1257.4 | 1330.8 | 1404.1 | 1477.4 | 1550.8 | 1624.1 |
| 65° | 874.3 | 927.0 | 1003.4 | 1079.7 | 1156.1 | 1232.4 | 1308.8 | 1385.1 | 1461.5 | 1537.8 | 1614.2 |
| 67.5° | 827.6 | 882.5 | 962.4 | 1042.3 | 1122.3 | 1202.2 | 1282.1 | 1362.0 | 1442.0 | 1521.9 | 1601.8 |
| 70° | 783.4 | 840.5 | 922.6 | 1004.7 | 1086.9 | 1169.0 | 1251.1 | 1333.2 | 1415.4 | 1497.5 | 1579.6 |
| 72.5° | 735.0 | 793.5 | 876.7 | 959.9 | 1043.2 | 1126.4 | 1209.6 | 1292.8 | 1376.1 | 1459.3 | 1542.5 |
| 75° | 686.9 | 746.5 | 829.4 | 912.4 | 995.3 | 1078.3 | 1161.2 | 1244.2 | 1327.1 | 1410.1 | 1493.0 |
| 77.5° | 639.2 | 699.6 | 781.4 | 863.3 | 945.1 | 1027.0 | 1108.8 | 1190.7 | 1272.5 | 1354.4 | 1436.2 |
| 80° | 592.2 | 652.6 | 732.5 | 812.4 | 892.4 | 972.3 | 1052.2 | 1132.1 | 1212.1 | 1292.0 | 1371.9 |
| 82.5° | 541.4 | 600.7 | 678.7 | 756.7 | 834.7 | 912.7 | 990.7 | 1068.7 | 1146.7 | 1224.7 | 1302.7 |
| 85° | 498.0 | 556.2 | 632.0 | 707.8 | 783.6 | 859.4 | 935.2 | 1011.0 | 1086.8 | 1162.6 | 1238.4 |
| 87.5° | 462.2 | 519.1 | 593.0 | 666.9 | 740.8 | 814.7 | 888.5 | 962.4 | 1036.3 | 1110.2 | 1184.1 |
| 90° | 435.0 | 489.4 | 560.8 | 632.2 | 703.6 | 775.0 | 846.5 | 917.9 | 989.3 | 1060.7 | 1132.1 |
| 92.5° | 415.3 | 467.2 | 536.4 | 605.6 | 674.8 | 744.0 | 813.3 | 882.5 | 951.7 | 1020.9 | 1090.1 |
| 95° | 395.5 | 444.9 | 512.2 | 579.5 | 646.8 | 714.1 | 781.4 | 848.7 | 916.0 | 983.3 | 1050.6 |
| 97.5° | 373.5 | 420.2 | 485.8 | 551.5 | 617.1 | 682.8 | 748.4 | 814.1 | 879.7 | 945.4 | 1011.0 |
| 100° | 351.6 | 395.5 | 459.8 | 524.0 | 588.3 | 652.6 | 716.8 | 781.1 | 845.4 | 909.6 | 973.9 |
| 102.5° | 329.6 | 370.8 | 433.4 | 496.0 | 558.7 | 621.3 | 683.9 | 746.5 | 809.2 | 871.8 | 934.4 |
| 105° | 307.6 | 346.1 | 407.1 | 468.0 | 529.0 | 590.0 | 650.9 | 711.9 | 772.9 | 833.8 | 894.8 |
| 107.5° | 285.7 | 321.4 | 380.4 | 439.5 | 498.5 | 557.6 | 616.6 | 675.7 | 734.7 | 793.8 | 852.8 |
| 110° | 261.5 | 294.2 | 351.6 | 409.0 | 466.4 | 523.8 | 581.2 | 638.6 | 696.0 | 753.4 | 810.8 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 239.5 | 269.4 | 324.6 | 379.8 | 435.0 | 490.2 | 545.5 | 600.7 | 655.9 | 711.1 | 766.3 |
| 115° | 215.3 | 242.2 | 295.8 | 349.3 | 402.9 | 456.5 | 510.0 | 563.6 | 617.2 | 670.7 | 724.3 |
| 117.5° | 193.3 | 217.5 | 268.6 | 319.7 | 370.8 | 421.9 | 472.9 | 524.0 | 575.1 | 626.2 | 677.3 |
| 120° | 171.4 | 192.8 | 242.0 | 291.1 | 340.3 | 389.5 | 438.6 | 487.8 | 537.0 | 586.1 | 635.3 |
| 122.5° | 149.4 | 168.1 | 214.0 | 259.8 | 305.7 | 351.6 | 397.4 | 443.3 | 489.2 | 535.0 | 580.9 |
| 125° | 127.5 | 143.4 | 186.5 | 229.6 | 272.8 | 315.9 | 359.0 | 402.1 | 445.3 | 488.4 | 531.5 |
| 127.5° | 103.3 | 116.2 | 156.8 | 197.5 | 238.1 | 278.8 | 319.4 | 360.1 | 400.7 | 441.4 | 482.0 |
| 130° | 81.3 | 91.5 | 128.3 | 165.1 | 201.9 | 238.7 | 275.5 | 312.3 | 349.1 | 385.9 | 422.7 |
| 132.5° | 61.5 | 69.2 | 102.4 | 135.7 | 168.9 | 202.1 | 235.4 | 268.6 | 301.8 | 335.1 | 368.3 |
| 135° | 43.9 | 49.4 | 78.8 | 108.2 | 137.6 | 167.0 | 196.3 | 225.7 | 255.1 | 284.5 | 313.9 |
| 137.5° | 30.8 | 34.6 | 60.1 | 85.7 | 111.2 | 136.8 | 162.3 | 187.9 | 213.4 | 239.0 | 264.5 |
| 140° | 17.6 | 19.8 | 42.0 | 64.3 | 86.5 | 108.8 | 131.0 | 153.3 | 175.5 | 197.8 | 220.0 |
| 142.5° | 8.8 | 9.9 | 28.6 | 47.3 | 65.9 | 84.6 | 103.3 | 122.0 | 140.6 | 159.3 | 178.0 |
| 145° | 4.4 | 4.9 | 19.7 | 34.6 | 49.4 | 64.2 | 79.1 | 93.9 | 108.7 | 123.6 | 138.4 |
| 147.5° | 0.0 | 0.0 | 11.8 | 23.6 | 35.4 | 47.2 | 59.1 | 70.9 | 82.7 | 94.5 | 106.3 |
| 150° | 0.0 | 0.0 | 8.2 | 16.5 | 24.7 | 33.0 | 41.2 | 49.5 | 57.7 | 66.0 | 74.2 |
| 152.5° | 0.0 | 0.0 | 5.2 | 10.4 | 15.7 | 20.9 | 26.1 | 31.3 | 36.6 | 41.8 | 47.0 |
| 155° | 0.0 | 0.0 | 2.7 | 5.5 | 8.2 | 11.0 | 13.7 | 16.5 | 19.2 | 22.0 | 24.7 |
| 157.5° | 0.0 | 0.0 | 1.1 | 2.2 | 3.3 | 4.4 | 5.5 | 6.6 | 7.7 | 8.8 | 9.9 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLEDD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1635.3 | 1634.2 | 1633.1 | 1632.0 | 1630.9 | 1629.8 | 1628.7 | 1627.6 | 1626.5 | 1625.1 | 1623.8 |
| 5° | 1614.7 | 1612.8 | 1610.8 | 1608.9 | 1607.0 | 1605.1 | 1603.1 | 1601.2 | 1599.3 | 1598.8 | 1598.2 |
| 7.5° | 1588.7 | 1587.8 | 1587.0 | 1586.2 | 1585.3 | 1584.5 | 1583.7 | 1582.8 | 1582.0 | 1581.7 | 1581.5 |
| 10° | 1572.7 | 1573.2 | 1573.8 | 1574.3 | 1574.9 | 1575.4 | 1576.0 | 1576.5 | 1577.1 | 1577.1 | 1577.1 |
| 12.5° | 1560.3 | 1563.3 | 1566.4 | 1569.4 | 1572.4 | 1575.4 | 1578.5 | 1581.5 | 1584.5 | 1585.9 | 1587.3 |
| 15° | 1557.0 | 1564.2 | 1571.3 | 1578.5 | 1585.6 | 1592.8 | 1599.9 | 1607.1 | 1614.2 | 1617.2 | 1620.2 |
| 17.5° | 1563.7 | 1574.9 | 1586.2 | 1597.4 | 1608.7 | 1619.9 | 1631.2 | 1642.4 | 1653.7 | 1657.3 | 1660.9 |
| 20° | 1580.9 | 1594.7 | 1608.4 | 1622.1 | 1635.9 | 1649.6 | 1663.3 | 1677.1 | 1690.8 | 1695.2 | 1699.6 |
| 22.5° | 1599.9 | 1615.3 | 1630.6 | 1646.0 | 1661.4 | 1676.8 | 1692.1 | 1707.5 | 1722.9 | 1728.4 | 1733.9 |
| 25° | 1619.1 | 1636.4 | 1653.7 | 1671.0 | 1688.3 | 1705.6 | 1722.9 | 1740.2 | 1757.5 | 1763.5 | 1769.6 |
| 27.5° | 1633.4 | 1652.6 | 1671.9 | 1691.1 | 1710.3 | 1729.5 | 1748.8 | 1768.0 | 1787.2 | 1794.3 | 1801.5 |
| 30° | 1645.5 | 1666.9 | 1688.4 | 1709.8 | 1731.2 | 1752.6 | 1774.1 | 1795.5 | 1816.9 | 1825.4 | 1833.9 |
| 32.5° | 1655.7 | 1679.8 | 1704.0 | 1728.2 | 1752.3 | 1776.5 | 1800.7 | 1824.8 | 1849.0 | 1858.3 | 1867.7 |
| 35° | 1665.5 | 1692.2 | 1718.8 | 1745.5 | 1772.1 | 1798.8 | 1825.4 | 1852.1 | 1878.7 | 1889.4 | 1900.1 |
| 37.5° | 1672.6 | 1701.5 | 1730.3 | 1759.2 | 1788.0 | 1816.9 | 1845.7 | 1874.6 | 1903.4 | 1915.8 | 1928.1 |
| 40° | 1680.4 | 1712.0 | 1743.5 | 1775.1 | 1806.7 | 1838.3 | 1869.8 | 1901.4 | 1933.0 | 1946.7 | 1960.5 |
| 42.5° | 1685.8 | 1720.4 | 1755.0 | 1789.6 | 1824.3 | 1858.9 | 1893.5 | 1928.1 | 1962.7 | 1978.1 | 1993.5 |
| 45° | 1689.4 | 1727.6 | 1765.7 | 1803.9 | 1842.1 | 1880.3 | 1918.4 | 1956.6 | 1994.8 | 2011.6 | 2028.3 |
| 47.5° | 1692.7 | 1734.2 | 1775.6 | 1817.1 | 1858.6 | 1900.1 | 1941.5 | 1983.0 | 2024.5 | 2042.9 | 2061.3 |
| 50° | 1694.1 | 1739.4 | 1784.7 | 1830.0 | 1875.4 | 1920.7 | 1966.0 | 2011.3 | 2056.6 | 2076.9 | 2097.3 |
| 52.5° | 1693.2 | 1742.7 | 1792.1 | 1841.6 | 1891.0 | 1940.5 | 1989.9 | 2039.4 | 2088.8 | 2111.0 | 2133.3 |
| 55° | 1694.4 | 1747.4 | 1800.4 | 1853.4 | 1906.4 | 1959.4 | 2012.4 | 2065.4 | 2118.4 | 2142.0 | 2165.6 |
| 57.5° | 1693.5 | 1750.7 | 1807.8 | 1864.9 | 1922.1 | 1979.2 | 2036.3 | 2093.5 | 2150.6 | 2175.0 | 2199.5 |
| 60° | 1691.9 | 1752.3 | 1812.8 | 1873.2 | 1933.6 | 1994.0 | 2054.5 | 2114.9 | 2175.3 | 2200.3 | 2225.3 |
| 62.5° | 1687.3 | 1750.4 | 1813.6 | 1876.8 | 1939.9 | 2003.1 | 2066.3 | 2129.4 | 2192.6 | 2218.1 | 2243.7 |
| 65° | 1679.6 | 1744.9 | 1810.3 | 1875.7 | 1941.0 | 2006.4 | 2071.8 | 2137.1 | 2202.5 | 2228.3 | 2254.1 |
| 67.5° | 1668.3 | 1734.7 | 1801.2 | 1867.7 | 1934.1 | 2000.6 | 2067.1 | 2133.5 | 2200.0 | 2225.8 | 2251.6 |
| 70° | 1646.6 | 1713.6 | 1780.6 | 1847.6 | 1914.7 | 1981.7 | 2048.7 | 2115.7 | 2182.7 | 2208.0 | 2233.2 |
| 72.5° | 1609.2 | 1676.0 | 1742.7 | 1809.5 | 1876.2 | 1943.0 | 2009.7 | 2076.5 | 2143.2 | 2168.2 | 2193.2 |
| 75° | 1558.9 | 1624.8 | 1690.8 | 1756.7 | 1822.6 | 1888.5 | 1954.5 | 2020.4 | 2086.3 | 2110.5 | 2134.6 |
| 77.5° | 1500.5 | 1564.7 | 1629.0 | 1693.3 | 1757.5 | 1821.8 | 1886.1 | 1950.3 | 2014.6 | 2037.9 | 2061.3 |
| 80° | 1434.0 | 1496.1 | 1558.1 | 1620.2 | 1682.3 | 1744.4 | 1806.4 | 1868.5 | 1930.6 | 1953.7 | 1976.7 |
| 82.5° | 1362.6 | 1422.5 | 1482.3 | 1542.2 | 1602.1 | 1662.0 | 1721.8 | 1781.7 | 1841.6 | 1864.1 | 1886.6 |
| 85° | 1296.1 | 1353.8 | 1411.4 | 1469.1 | 1526.8 | 1584.5 | 1642.1 | 1699.8 | 1757.5 | 1779.2 | 1800.9 |
| 87.5° | 1238.8 | 1293.4 | 1348.1 | 1402.7 | 1457.4 | 1512.0 | 1566.7 | 1621.3 | 1676.0 | 1697.7 | 1719.4 |
| 90° | 1185.1 | 1238.1 | 1291.1 | 1344.1 | 1397.2 | 1450.2 | 1503.2 | 1556.2 | 1609.2 | 1629.8 | 1650.4 |
| 92.5° | 1141.2 | 1192.3 | 1243.4 | 1294.5 | 1345.5 | 1396.6 | 1447.7 | 1498.8 | 1549.9 | 1569.4 | 1588.9 |
| 95° | 1099.8 | 1148.9 | 1198.1 | 1247.2 | 1296.4 | 1345.5 | 1394.7 | 1443.8 | 1493.0 | 1512.0 | 1530.9 |
| 97.5° | 1058.8 | 1106.6 | 1154.4 | 1202.2 | 1249.9 | 1297.7 | 1345.5 | 1393.3 | 1441.1 | 1459.2 | 1477.4 |
| 100° | 1020.3 | 1066.7 | 1113.2 | 1159.6 | 1206.0 | 1252.4 | 1298.9 | 1345.3 | 1391.7 | 1409.3 | 1426.9 |
| 102.5° | 979.7 | 1025.0 | 1070.4 | 1115.7 | 1161.0 | 1206.3 | 1251.7 | 1297.0 | 1342.3 | 1359.3 | 1376.3 |
| 105° | 939.0 | 983.2 | 1027.5 | 1071.7 | 1115.9 | 1160.1 | 1204.4 | 1248.6 | 1292.8 | 1309.6 | 1326.3 |
| 107.5° | 895.9 | 939.0 | 982.2 | 1025.3 | 1068.4 | 1111.5 | 1154.7 | 1197.8 | 1240.9 | 1257.4 | 1273.9 |
| 110° | 852.5 | 894.3 | 936.0 | 977.8 | 1019.5 | 1061.3 | 1103.0 | 1144.8 | 1186.5 | 1202.7 | 1218.9 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 806.7 | 847.1 | 887.4 | 927.8 | 968.2 | 1008.6 | 1048.9 | 1089.3 | 1129.7 | 1145.4 | 1161.0 |
| 115° | 763.0 | 801.7 | 840.5 | 879.2 | 917.9 | 956.6 | 995.4 | 1034.1 | 1072.8 | 1088.2 | 1103.6 |
| 117.5° | 714.9 | 752.6 | 790.2 | 827.8 | 865.5 | 903.1 | 940.7 | 978.4 | 1016.0 | 1030.8 | 1045.6 |
| 120° | 671.3 | 707.3 | 743.2 | 779.2 | 815.2 | 851.2 | 887.1 | 923.1 | 959.1 | 972.6 | 986.0 |
| 122.5° | 616.1 | 651.2 | 686.4 | 721.5 | 756.7 | 791.8 | 827.0 | 862.1 | 897.3 | 910.8 | 924.2 |
| 125° | 565.6 | 599.6 | 633.7 | 667.7 | 701.8 | 735.8 | 769.9 | 803.9 | 838.0 | 850.9 | 863.8 |
| 127.5° | 514.4 | 546.8 | 579.2 | 611.6 | 644.1 | 676.5 | 708.9 | 741.3 | 773.7 | 786.3 | 799.0 |
| 130° | 454.8 | 487.0 | 519.1 | 551.2 | 583.4 | 615.5 | 647.6 | 679.8 | 711.9 | 724.0 | 736.1 |
| 132.5° | 399.3 | 430.4 | 461.4 | 492.4 | 523.5 | 554.5 | 585.5 | 616.6 | 647.6 | 658.9 | 670.1 |
| 135° | 343.3 | 372.7 | 402.1 | 431.5 | 460.8 | 490.2 | 519.6 | 549.0 | 578.4 | 589.4 | 600.4 |
| 137.5° | 292.0 | 319.4 | 346.9 | 374.4 | 401.8 | 429.3 | 456.8 | 484.2 | 511.7 | 522.7 | 533.7 |
| 140° | 244.7 | 269.4 | 294.2 | 318.9 | 343.6 | 368.3 | 393.1 | 417.8 | 442.5 | 453.5 | 464.5 |
| 142.5° | 199.7 | 221.4 | 243.1 | 264.8 | 286.5 | 308.2 | 329.9 | 351.6 | 373.3 | 384.6 | 395.8 |
| 145° | 157.4 | 176.3 | 195.3 | 214.2 | 233.2 | 252.1 | 271.1 | 290.0 | 309.0 | 321.1 | 333.2 |
| 147.5° | 122.2 | 138.2 | 154.1 | 170.0 | 186.0 | 201.9 | 217.8 | 233.8 | 249.7 | 261.5 | 273.3 |
| 150° | 87.4 | 100.6 | 113.7 | 126.9 | 140.1 | 153.3 | 166.4 | 179.6 | 192.8 | 204.1 | 215.3 |
| 152.5° | 57.7 | 68.4 | 79.1 | 89.8 | 100.6 | 111.3 | 122.0 | 132.7 | 143.4 | 153.8 | 164.3 |
| 155° | 32.9 | 41.2 | 49.4 | 57.7 | 65.9 | 74.2 | 82.4 | 90.7 | 98.9 | 108.0 | 117.0 |
| 157.5° | 15.7 | 21.4 | 27.2 | 33.0 | 38.7 | 44.5 | 50.3 | 56.0 | 61.8 | 69.2 | 76.6 |
| 160° | 3.3 | 6.6 | 9.9 | 13.2 | 16.5 | 19.8 | 23.1 | 26.4 | 29.7 | 35.2 | 40.7 |
| 162.5° | 0.8 | 1.6 | 2.5 | 3.3 | 4.1 | 4.9 | 5.8 | 6.6 | 7.4 | 10.7 | 14.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.2 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLEDD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1622.4 | 1621.0 | 1619.7 | 1618.3 | 1616.9 | 1615.6 | 1614.2 | 1615.3 | 1616.4 | 1617.5 | 1618.6 |
| 5° | 1597.7 | 1597.1 | 1596.6 | 1596.0 | 1595.5 | 1594.9 | 1594.4 | 1594.7 | 1595.0 | 1595.2 | 1595.5 |
| 7.5° | 1581.2 | 1580.9 | 1580.7 | 1580.4 | 1580.1 | 1579.9 | 1579.6 | 1579.6 | 1579.6 | 1579.6 | 1579.6 |
| 10° | 1577.1 | 1577.1 | 1577.1 | 1577.1 | 1577.1 | 1577.1 | 1577.1 | 1576.3 | 1575.5 | 1574.6 | 1573.8 |
| 12.5° | 1588.6 | 1590.0 | 1591.4 | 1592.8 | 1594.1 | 1595.5 | 1596.9 | 1594.7 | 1592.5 | 1590.3 | 1588.1 |
| 15° | 1623.3 | 1626.3 | 1629.3 | 1632.3 | 1635.4 | 1638.4 | 1641.4 | 1638.1 | 1634.8 | 1631.5 | 1628.2 |
| 17.5° | 1664.4 | 1668.0 | 1671.6 | 1675.2 | 1678.7 | 1682.3 | 1685.9 | 1681.5 | 1677.1 | 1672.7 | 1668.3 |
| 20° | 1704.0 | 1708.4 | 1712.8 | 1717.2 | 1721.6 | 1726.0 | 1730.4 | 1725.2 | 1720.0 | 1714.7 | 1709.5 |
| 22.5° | 1739.4 | 1744.9 | 1750.4 | 1755.9 | 1761.4 | 1766.9 | 1772.4 | 1765.8 | 1759.2 | 1752.6 | 1746.0 |
| 25° | 1775.6 | 1781.7 | 1787.7 | 1793.8 | 1799.8 | 1805.9 | 1811.9 | 1804.8 | 1797.6 | 1790.5 | 1783.4 |
| 27.5° | 1808.6 | 1815.8 | 1822.9 | 1830.1 | 1837.2 | 1844.4 | 1851.5 | 1843.5 | 1835.6 | 1827.6 | 1819.6 |
| 30° | 1842.4 | 1850.9 | 1859.5 | 1868.0 | 1876.5 | 1885.0 | 1893.5 | 1884.2 | 1874.8 | 1865.5 | 1856.2 |
| 32.5° | 1877.0 | 1886.3 | 1895.7 | 1905.0 | 1914.3 | 1923.7 | 1933.0 | 1922.8 | 1912.7 | 1902.5 | 1892.4 |
| 35° | 1910.8 | 1921.5 | 1932.3 | 1943.0 | 1953.7 | 1964.4 | 1975.1 | 1963.8 | 1952.6 | 1941.3 | 1930.0 |
| 37.5° | 1940.5 | 1952.8 | 1965.2 | 1977.5 | 1989.9 | 2002.2 | 2014.6 | 2002.2 | 1989.9 | 1977.5 | 1965.2 |
| 40° | 1974.2 | 1987.9 | 2001.7 | 2015.4 | 2029.1 | 2042.9 | 2056.6 | 2042.9 | 2029.1 | 2015.4 | 2001.7 |
| 42.5° | 2008.8 | 2024.2 | 2039.6 | 2055.0 | 2070.3 | 2085.7 | 2101.1 | 2086.3 | 2071.5 | 2056.6 | 2041.8 |
| 45° | 2045.1 | 2061.8 | 2078.6 | 2095.3 | 2112.1 | 2128.8 | 2145.6 | 2129.4 | 2113.2 | 2097.0 | 2080.8 |
| 47.5° | 2079.7 | 2098.1 | 2116.5 | 2134.9 | 2153.3 | 2171.7 | 2190.1 | 2172.8 | 2155.5 | 2138.2 | 2120.9 |
| 50° | 2117.6 | 2137.9 | 2158.3 | 2178.6 | 2198.9 | 2219.3 | 2239.6 | 2220.6 | 2201.7 | 2182.7 | 2163.8 |
| 52.5° | 2155.5 | 2177.8 | 2200.0 | 2222.3 | 2244.5 | 2266.8 | 2289.0 | 2268.4 | 2247.8 | 2227.2 | 2206.6 |
| 55° | 2189.3 | 2212.9 | 2236.5 | 2260.1 | 2283.8 | 2307.4 | 2331.0 | 2309.9 | 2288.7 | 2267.6 | 2246.4 |
| 57.5° | 2223.9 | 2248.4 | 2272.8 | 2297.3 | 2321.7 | 2346.2 | 2370.6 | 2348.6 | 2326.6 | 2304.7 | 2282.7 |
| 60° | 2250.3 | 2275.3 | 2300.2 | 2325.2 | 2350.2 | 2375.2 | 2400.2 | 2378.0 | 2355.7 | 2333.5 | 2311.2 |
| 62.5° | 2269.2 | 2294.8 | 2320.3 | 2345.9 | 2371.4 | 2397.0 | 2422.5 | 2399.4 | 2376.3 | 2353.3 | 2330.2 |
| 65° | 2280.0 | 2305.8 | 2331.6 | 2357.4 | 2383.3 | 2409.1 | 2434.9 | 2412.1 | 2389.3 | 2366.5 | 2343.7 |
| 67.5° | 2277.5 | 2303.3 | 2329.1 | 2354.9 | 2380.8 | 2406.6 | 2432.4 | 2409.3 | 2386.2 | 2363.2 | 2340.1 |
| 70° | 2258.5 | 2283.8 | 2309.0 | 2334.3 | 2359.6 | 2384.8 | 2410.1 | 2387.3 | 2364.5 | 2341.7 | 2318.9 |
| 72.5° | 2218.2 | 2243.2 | 2268.1 | 2293.1 | 2318.1 | 2343.1 | 2368.1 | 2345.6 | 2323.1 | 2300.5 | 2278.0 |
| 75° | 2158.8 | 2183.0 | 2207.1 | 2231.3 | 2255.5 | 2279.6 | 2303.8 | 2282.1 | 2260.4 | 2238.7 | 2217.0 |
| 77.5° | 2084.6 | 2108.0 | 2131.3 | 2154.7 | 2178.0 | 2201.4 | 2224.7 | 2203.3 | 2181.9 | 2160.4 | 2139.0 |
| 80° | 1999.8 | 2022.9 | 2045.9 | 2069.0 | 2092.1 | 2115.1 | 2138.2 | 2117.3 | 2096.5 | 2075.6 | 2054.7 |
| 82.5° | 1909.2 | 1931.7 | 1954.2 | 1976.7 | 1999.3 | 2021.8 | 2044.3 | 2023.7 | 2003.1 | 1982.5 | 1961.9 |
| 85° | 1822.6 | 1844.3 | 1866.0 | 1887.7 | 1909.4 | 1931.1 | 1952.8 | 1932.8 | 1912.7 | 1892.7 | 1872.6 |
| 87.5° | 1741.1 | 1762.8 | 1784.5 | 1806.2 | 1827.9 | 1849.6 | 1871.3 | 1851.2 | 1831.2 | 1811.1 | 1791.1 |
| 90° | 1671.0 | 1691.6 | 1712.2 | 1732.8 | 1753.4 | 1774.0 | 1794.6 | 1775.4 | 1756.2 | 1736.9 | 1717.7 |
| 92.5° | 1608.4 | 1627.9 | 1647.4 | 1666.9 | 1686.4 | 1705.9 | 1725.4 | 1707.3 | 1689.2 | 1671.0 | 1652.9 |
| 95° | 1549.9 | 1568.8 | 1587.8 | 1606.7 | 1625.7 | 1644.6 | 1663.6 | 1646.3 | 1629.0 | 1611.7 | 1594.4 |
| 97.5° | 1495.5 | 1513.6 | 1531.8 | 1549.9 | 1568.0 | 1586.2 | 1604.3 | 1587.8 | 1571.3 | 1554.9 | 1538.4 |
| 100° | 1444.4 | 1462.0 | 1479.6 | 1497.2 | 1514.7 | 1532.3 | 1549.9 | 1533.7 | 1517.5 | 1501.3 | 1485.1 |
| 102.5° | 1393.4 | 1410.4 | 1427.4 | 1444.4 | 1461.5 | 1478.5 | 1495.5 | 1479.6 | 1463.6 | 1447.7 | 1431.8 |
| 105° | 1343.1 | 1359.8 | 1376.6 | 1393.3 | 1410.1 | 1426.8 | 1443.6 | 1427.9 | 1412.3 | 1396.6 | 1381.0 |
| 107.5° | 1290.3 | 1306.8 | 1323.3 | 1339.8 | 1356.2 | 1372.7 | 1389.2 | 1373.8 | 1358.4 | 1343.1 | 1327.7 |
| 110° | 1235.1 | 1251.3 | 1267.6 | 1283.8 | 1300.0 | 1316.2 | 1332.4 | 1317.3 | 1302.2 | 1287.1 | 1272.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1176.7 | 1192.3 | 1208.0 | 1223.6 | 1239.3 | 1254.9 | 1270.6 | 1256.0 | 1241.5 | 1226.9 | 1212.4 |
| 115° | 1118.9 | 1134.3 | 1149.7 | 1165.1 | 1180.4 | 1195.8 | 1211.2 | 1196.9 | 1182.6 | 1168.4 | 1154.1 |
| 117.5° | 1060.5 | 1075.3 | 1090.1 | 1104.9 | 1119.8 | 1134.6 | 1149.4 | 1135.7 | 1122.0 | 1108.2 | 1094.5 |
| 120° | 999.5 | 1012.9 | 1026.4 | 1039.8 | 1053.3 | 1066.7 | 1080.2 | 1067.6 | 1054.9 | 1042.3 | 1029.7 |
| 122.5° | 937.7 | 951.1 | 964.6 | 978.0 | 991.5 | 1004.9 | 1018.4 | 1006.3 | 994.2 | 982.2 | 970.1 |
| 125° | 876.7 | 889.6 | 902.6 | 915.5 | 928.4 | 941.3 | 954.2 | 942.4 | 930.6 | 918.8 | 907.0 |
| 127.5° | 811.6 | 824.2 | 836.9 | 849.5 | 862.1 | 874.8 | 887.4 | 876.4 | 865.4 | 854.4 | 843.4 |
| 130° | 748.2 | 760.3 | 772.3 | 784.4 | 796.5 | 808.6 | 820.7 | 810.0 | 799.3 | 788.6 | 777.9 |
| 132.5° | 681.4 | 692.7 | 703.9 | 715.2 | 726.5 | 737.7 | 749.0 | 739.1 | 729.2 | 719.3 | 709.4 |
| 135° | 611.4 | 622.4 | 633.3 | 644.3 | 655.3 | 666.3 | 677.3 | 668.0 | 658.6 | 649.3 | 640.0 |
| 137.5° | 544.7 | 555.7 | 566.6 | 577.6 | 588.6 | 599.6 | 610.6 | 601.8 | 593.0 | 584.2 | 575.4 |
| 140° | 475.5 | 486.5 | 497.4 | 508.4 | 519.4 | 530.4 | 541.4 | 534.0 | 526.6 | 519.1 | 511.7 |
| 142.5° | 407.1 | 418.3 | 429.6 | 440.8 | 452.1 | 463.3 | 474.6 | 468.0 | 461.4 | 454.8 | 448.2 |
| 145° | 345.3 | 357.4 | 369.4 | 381.5 | 393.6 | 405.7 | 417.8 | 411.2 | 404.6 | 398.0 | 391.4 |
| 147.5° | 285.1 | 296.9 | 308.8 | 320.6 | 332.4 | 344.2 | 356.0 | 350.0 | 343.9 | 337.9 | 331.8 |
| 150° | 226.6 | 237.9 | 249.1 | 260.4 | 271.7 | 282.9 | 294.2 | 289.3 | 284.3 | 279.4 | 274.4 |
| 152.5° | 174.7 | 185.1 | 195.6 | 206.0 | 216.4 | 226.9 | 237.3 | 232.6 | 228.0 | 223.3 | 218.6 |
| 155° | 126.1 | 135.2 | 144.2 | 153.3 | 162.4 | 171.4 | 180.5 | 176.6 | 172.8 | 168.9 | 165.1 |
| 157.5° | 84.0 | 91.4 | 98.9 | 106.3 | 113.7 | 121.1 | 128.5 | 125.2 | 121.9 | 118.6 | 115.3 |
| 160° | 46.2 | 51.7 | 57.1 | 62.6 | 68.1 | 73.6 | 79.1 | 76.9 | 74.7 | 72.5 | 70.3 |
| 162.5° | 17.3 | 20.6 | 23.9 | 27.2 | 30.5 | 33.8 | 37.1 | 36.0 | 34.9 | 33.8 | 32.7 |
| 165° | 3.3 | 4.4 | 5.5 | 6.6 | 7.7 | 8.8 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1619.7 | 1620.8 | 1621.9 | 1623.0 | 1624.1 | 1626.8 | 1629.6 | 1632.3 | 1635.1 | 1637.8 | 1640.6 |
| 5° | 1595.8 | 1596.1 | 1596.3 | 1596.6 | 1596.9 | 1599.9 | 1602.9 | 1606.0 | 1609.0 | 1612.0 | 1615.0 |
| 7.5° | 1579.6 | 1579.6 | 1579.6 | 1579.6 | 1579.6 | 1581.5 | 1583.4 | 1585.4 | 1587.3 | 1589.2 | 1591.1 |
| 10° | 1573.0 | 1572.2 | 1571.3 | 1570.5 | 1569.7 | 1571.1 | 1572.4 | 1573.8 | 1575.2 | 1576.5 | 1577.9 |
| 12.5° | 1585.9 | 1583.7 | 1581.5 | 1579.3 | 1577.1 | 1576.3 | 1575.5 | 1574.6 | 1573.8 | 1573.0 | 1572.2 |
| 15° | 1624.9 | 1621.6 | 1618.3 | 1615.0 | 1611.7 | 1606.2 | 1600.7 | 1595.2 | 1589.7 | 1584.3 | 1578.8 |
| 17.5° | 1663.9 | 1659.5 | 1655.1 | 1650.7 | 1646.3 | 1637.2 | 1628.2 | 1619.1 | 1610.0 | 1601.0 | 1591.9 |
| 20° | 1704.3 | 1699.1 | 1693.8 | 1688.6 | 1683.4 | 1672.1 | 1660.9 | 1649.6 | 1638.3 | 1627.1 | 1615.8 |
| 22.5° | 1739.4 | 1732.8 | 1726.2 | 1719.6 | 1713.0 | 1700.1 | 1687.2 | 1674.3 | 1661.4 | 1648.5 | 1635.6 |
| 25° | 1776.2 | 1769.1 | 1762.0 | 1754.8 | 1747.7 | 1732.6 | 1717.5 | 1702.4 | 1687.3 | 1672.1 | 1657.0 |
| 27.5° | 1811.7 | 1803.7 | 1795.7 | 1787.8 | 1779.8 | 1762.5 | 1745.2 | 1727.9 | 1710.6 | 1693.3 | 1676.0 |
| 30° | 1846.8 | 1837.5 | 1828.2 | 1818.8 | 1809.5 | 1789.7 | 1769.9 | 1750.2 | 1730.4 | 1710.6 | 1690.8 |
| 32.5° | 1882.2 | 1872.1 | 1861.9 | 1851.8 | 1841.6 | 1818.8 | 1796.0 | 1773.2 | 1750.4 | 1727.6 | 1704.8 |
| 35° | 1918.8 | 1907.5 | 1896.2 | 1885.0 | 1873.7 | 1848.2 | 1822.6 | 1797.1 | 1771.5 | 1746.0 | 1720.4 |
| 37.5° | 1952.8 | 1940.5 | 1928.1 | 1915.8 | 1903.4 | 1875.7 | 1847.9 | 1820.2 | 1792.4 | 1764.7 | 1736.9 |
| 40° | 1987.9 | 1974.2 | 1960.5 | 1946.7 | 1933.0 | 1902.5 | 1872.0 | 1841.6 | 1811.1 | 1780.6 | 1750.1 |
| 42.5° | 2027.0 | 2012.2 | 1997.3 | 1982.5 | 1967.7 | 1933.9 | 1900.1 | 1866.3 | 1832.5 | 1798.8 | 1765.0 |
| 45° | 2064.6 | 2048.4 | 2032.2 | 2016.0 | 1999.8 | 1963.0 | 1926.2 | 1889.4 | 1852.6 | 1815.8 | 1779.0 |
| 47.5° | 2103.6 | 2086.3 | 2069.0 | 2051.7 | 2034.4 | 1993.8 | 1953.1 | 1912.5 | 1871.8 | 1831.2 | 1790.5 |
| 50° | 2144.8 | 2125.9 | 2106.9 | 2088.0 | 2069.0 | 2024.5 | 1980.0 | 1935.5 | 1891.0 | 1846.6 | 1802.1 |
| 52.5° | 2186.0 | 2165.4 | 2144.8 | 2124.2 | 2103.6 | 2055.0 | 2006.4 | 1957.8 | 1909.2 | 1860.5 | 1811.9 |
| 55° | 2225.3 | 2204.1 | 2183.0 | 2161.8 | 2140.7 | 2088.0 | 2035.2 | 1982.5 | 1929.8 | 1877.0 | 1824.3 |
| 57.5° | 2260.7 | 2238.7 | 2216.8 | 2194.8 | 2172.8 | 2116.2 | 2059.6 | 2003.1 | 1946.5 | 1889.9 | 1833.3 |
| 60° | 2289.0 | 2266.7 | 2244.5 | 2222.2 | 2200.0 | 2139.9 | 2079.7 | 2019.6 | 1959.4 | 1899.3 | 1839.1 |
| 62.5° | 2307.1 | 2284.0 | 2261.0 | 2237.9 | 2214.8 | 2152.2 | 2089.6 | 2026.9 | 1964.3 | 1901.7 | 1839.1 |
| 65° | 2320.9 | 2298.1 | 2275.3 | 2252.5 | 2229.7 | 2164.6 | 2099.5 | 2034.4 | 1969.3 | 1904.2 | 1839.1 |
| 67.5° | 2317.0 | 2293.9 | 2270.9 | 2247.8 | 2224.7 | 2158.5 | 2092.3 | 2026.1 | 1959.9 | 1893.8 | 1827.6 |
| 70° | 2296.2 | 2273.4 | 2250.6 | 2227.8 | 2205.0 | 2138.3 | 2071.5 | 2004.8 | 1938.0 | 1871.3 | 1804.5 |
| 72.5° | 2255.5 | 2233.0 | 2210.4 | 2187.9 | 2165.4 | 2099.2 | 2033.0 | 1966.8 | 1900.6 | 1834.5 | 1768.3 |
| 75° | 2195.4 | 2173.7 | 2152.0 | 2130.3 | 2108.6 | 2043.2 | 1977.8 | 1912.5 | 1847.1 | 1781.7 | 1716.3 |
| 77.5° | 2117.6 | 2096.2 | 2074.7 | 2053.3 | 2031.9 | 1968.7 | 1905.6 | 1842.4 | 1779.2 | 1716.1 | 1652.9 |
| 80° | 2033.9 | 2013.0 | 1992.1 | 1971.3 | 1950.4 | 1888.9 | 1827.3 | 1765.8 | 1704.3 | 1642.7 | 1581.2 |
| 82.5° | 1941.3 | 1920.7 | 1900.1 | 1879.5 | 1858.9 | 1799.6 | 1740.3 | 1680.9 | 1621.6 | 1562.3 | 1503.0 |
| 85° | 1852.6 | 1832.5 | 1812.5 | 1792.4 | 1772.4 | 1715.3 | 1658.1 | 1601.0 | 1543.9 | 1486.7 | 1429.6 |
| 87.5° | 1771.0 | 1751.0 | 1730.9 | 1710.9 | 1690.8 | 1635.9 | 1580.9 | 1526.0 | 1471.1 | 1416.1 | 1361.2 |
| 90° | 1698.5 | 1679.3 | 1660.0 | 1640.8 | 1621.6 | 1569.1 | 1516.7 | 1464.2 | 1411.7 | 1359.3 | 1306.8 |
| 92.5° | 1634.8 | 1616.7 | 1598.5 | 1580.4 | 1562.3 | 1511.8 | 1461.2 | 1410.7 | 1360.1 | 1309.6 | 1259.0 |
| 95° | 1577.1 | 1559.8 | 1542.5 | 1525.2 | 1507.9 | 1459.0 | 1410.1 | 1361.2 | 1312.3 | 1263.5 | 1214.6 |
| 97.5° | 1521.9 | 1505.4 | 1489.0 | 1472.5 | 1456.0 | 1408.5 | 1361.0 | 1313.4 | 1265.9 | 1218.4 | 1170.9 |
| 100° | 1468.9 | 1452.7 | 1436.5 | 1420.3 | 1404.1 | 1357.7 | 1311.3 | 1264.8 | 1218.4 | 1172.0 | 1125.6 |
| 102.5° | 1415.8 | 1399.9 | 1384.0 | 1368.0 | 1352.1 | 1307.1 | 1262.0 | 1217.0 | 1171.9 | 1126.9 | 1081.8 |
| 105° | 1365.3 | 1349.7 | 1334.0 | 1318.4 | 1302.7 | 1258.5 | 1214.3 | 1170.0 | 1125.8 | 1081.6 | 1037.4 |
| 107.5° | 1312.3 | 1296.9 | 1281.6 | 1266.2 | 1250.8 | 1208.0 | 1165.1 | 1122.3 | 1079.4 | 1036.6 | 993.7 |
| 110° | 1256.8 | 1241.7 | 1226.6 | 1211.5 | 1196.4 | 1155.2 | 1114.0 | 1072.8 | 1031.6 | 990.4 | 949.2 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 112.5° | 1197.8 | 1183.3 | 1168.7 | 1154.2 | 1139.6 | 1100.0 | 1060.5 | 1020.9 | 981.4 | 941.8 | 902.3 |
| 115° | 1139.8 | 1125.5 | 1111.3 | 1097.0 | 1082.7 | 1044.8 | 1006.9 | 969.0 | 931.1 | 893.2 | 855.3 |
| 117.5° | 1080.8 | 1067.1 | 1053.3 | 1039.6 | 1025.9 | 989.4 | 952.8 | 916.3 | 879.8 | 843.2 | 806.7 |
| 120° | 1017.0 | 1004.4 | 991.8 | 979.1 | 966.5 | 931.3 | 896.2 | 861.0 | 825.9 | 790.7 | 755.6 |
| 122.5° | 958.0 | 945.9 | 933.9 | 921.8 | 909.7 | 874.8 | 839.9 | 805.0 | 770.1 | 735.3 | 700.4 |
| 125° | 895.1 | 883.3 | 871.5 | 859.7 | 847.9 | 814.7 | 781.4 | 748.2 | 715.0 | 681.7 | 648.5 |
| 127.5° | 832.5 | 821.5 | 810.5 | 799.5 | 788.5 | 756.6 | 724.8 | 692.9 | 661.1 | 629.2 | 597.4 |
| 130° | 767.1 | 756.4 | 745.7 | 735.0 | 724.3 | 695.2 | 666.1 | 637.0 | 607.9 | 578.7 | 549.6 |
| 132.5° | 699.6 | 689.7 | 679.8 | 669.9 | 660.0 | 632.5 | 605.1 | 577.6 | 550.1 | 522.7 | 495.2 |
| 135° | 630.6 | 621.3 | 612.0 | 602.6 | 593.3 | 568.3 | 543.3 | 518.3 | 493.3 | 468.3 | 443.3 |
| 137.5° | 566.7 | 557.9 | 549.1 | 540.3 | 531.5 | 508.7 | 485.9 | 463.1 | 440.3 | 417.5 | 394.7 |
| 140° | 504.3 | 496.9 | 489.4 | 482.0 | 474.6 | 452.9 | 431.2 | 409.5 | 387.8 | 366.1 | 344.4 |
| 142.5° | 441.7 | 435.1 | 428.5 | 421.9 | 415.3 | 395.8 | 376.3 | 356.8 | 337.3 | 317.8 | 298.3 |
| 145° | 384.8 | 378.2 | 371.6 | 365.0 | 358.4 | 340.6 | 322.7 | 304.9 | 287.0 | 269.2 | 251.3 |
| 147.5° | 325.8 | 319.7 | 313.7 | 307.6 | 301.6 | 285.7 | 269.7 | 253.8 | 237.9 | 221.9 | 206.0 |
| 150° | 269.5 | 264.5 | 259.6 | 254.6 | 249.7 | 235.4 | 221.1 | 206.8 | 192.5 | 178.3 | 164.0 |
| 152.5° | 214.0 | 209.3 | 204.6 | 200.0 | 195.3 | 183.2 | 171.1 | 159.0 | 146.9 | 134.9 | 122.8 |
| 155° | 161.2 | 157.4 | 153.5 | 149.7 | 145.8 | 135.6 | 125.5 | 115.3 | 105.2 | 95.0 | 84.9 |
| 157.5° | 112.1 | 108.8 | 105.5 | 102.2 | 98.9 | 91.5 | 84.1 | 76.6 | 69.2 | 61.8 | 54.4 |
| 160° | 68.1 | 65.9 | 63.7 | 61.5 | 59.3 | 54.4 | 49.4 | 44.5 | 39.5 | 34.6 | 29.6 |
| 162.5° | 31.6 | 30.5 | 29.4 | 28.3 | 27.2 | 25.0 | 22.8 | 20.6 | 18.4 | 16.2 | 14.0 |
| 165° | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.1 | 8.3 | 7.4 | 6.6 | 5.8 | 5.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1643.3 | 1646.1 | 1648.8 | 1649.3 | 1649.9 | 1650.4 | 1651.0 | 1651.5 | 1652.1 | 1652.6 | 1653.2 |
| 5° | 1618.1 | 1621.1 | 1624.1 | 1625.2 | 1626.3 | 1627.4 | 1628.5 | 1629.5 | 1630.6 | 1631.7 | 1632.8 |
| 7.5° | 1593.1 | 1595.0 | 1596.9 | 1598.3 | 1599.6 | 1601.0 | 1602.4 | 1603.7 | 1605.1 | 1606.5 | 1607.8 |
| 10° | 1579.3 | 1580.6 | 1582.0 | 1582.3 | 1582.6 | 1582.8 | 1583.1 | 1583.4 | 1583.7 | 1583.9 | 1584.2 |
| 12.5° | 1571.3 | 1570.5 | 1569.7 | 1568.3 | 1566.9 | 1565.6 | 1564.2 | 1562.8 | 1561.4 | 1560.1 | 1558.7 |
| 15° | 1573.3 | 1567.8 | 1562.3 | 1558.5 | 1554.6 | 1550.8 | 1546.9 | 1543.1 | 1539.2 | 1535.4 | 1531.5 |
| 17.5° | 1582.8 | 1573.8 | 1564.7 | 1557.0 | 1549.3 | 1541.6 | 1533.9 | 1526.3 | 1518.6 | 1510.9 | 1503.2 |
| 20° | 1604.5 | 1593.3 | 1582.0 | 1569.1 | 1556.2 | 1543.3 | 1530.4 | 1517.5 | 1504.6 | 1491.7 | 1478.8 |
| 22.5° | 1622.7 | 1609.8 | 1596.9 | 1578.8 | 1560.6 | 1542.5 | 1524.4 | 1506.2 | 1488.1 | 1470.0 | 1451.8 |
| 25° | 1641.9 | 1626.8 | 1611.7 | 1588.6 | 1565.6 | 1542.5 | 1519.4 | 1496.4 | 1473.3 | 1450.2 | 1427.2 |
| 27.5° | 1658.7 | 1641.4 | 1624.1 | 1596.4 | 1568.6 | 1540.9 | 1513.1 | 1485.4 | 1457.6 | 1429.9 | 1402.1 |
| 30° | 1671.1 | 1651.3 | 1631.5 | 1599.9 | 1568.3 | 1536.7 | 1505.1 | 1473.6 | 1442.0 | 1410.4 | 1378.8 |
| 32.5° | 1682.0 | 1659.2 | 1636.4 | 1601.8 | 1567.2 | 1532.6 | 1498.0 | 1463.4 | 1428.8 | 1394.2 | 1359.6 |
| 35° | 1694.9 | 1669.3 | 1643.8 | 1606.2 | 1568.6 | 1530.9 | 1493.3 | 1455.7 | 1418.1 | 1380.4 | 1342.8 |
| 37.5° | 1709.2 | 1681.4 | 1653.7 | 1612.5 | 1571.3 | 1530.1 | 1488.9 | 1447.7 | 1406.5 | 1365.3 | 1324.1 |
| 40° | 1719.7 | 1689.2 | 1658.7 | 1614.5 | 1570.3 | 1526.0 | 1481.8 | 1437.6 | 1393.4 | 1349.1 | 1304.9 |
| 42.5° | 1731.2 | 1697.4 | 1663.6 | 1616.1 | 1568.6 | 1521.1 | 1473.6 | 1426.0 | 1378.5 | 1331.0 | 1283.5 |
| 45° | 1742.2 | 1705.4 | 1668.6 | 1617.5 | 1566.4 | 1515.3 | 1464.2 | 1413.2 | 1362.1 | 1311.0 | 1259.9 |
| 47.5° | 1749.9 | 1709.2 | 1668.6 | 1614.5 | 1560.4 | 1506.3 | 1452.2 | 1398.0 | 1343.9 | 1289.8 | 1235.7 |
| 50° | 1757.6 | 1713.1 | 1668.6 | 1610.9 | 1553.2 | 1495.5 | 1437.8 | 1380.2 | 1322.5 | 1264.8 | 1207.1 |
| 52.5° | 1763.3 | 1714.7 | 1666.1 | 1605.4 | 1544.7 | 1484.0 | 1423.3 | 1362.6 | 1301.9 | 1241.2 | 1180.5 |
| 55° | 1771.6 | 1718.8 | 1666.1 | 1601.8 | 1537.5 | 1473.3 | 1409.0 | 1344.7 | 1280.4 | 1216.2 | 1151.9 |
| 57.5° | 1776.8 | 1720.2 | 1663.6 | 1596.0 | 1528.5 | 1460.9 | 1393.3 | 1325.8 | 1258.2 | 1190.6 | 1123.1 |
| 60° | 1779.0 | 1718.8 | 1658.7 | 1588.1 | 1517.5 | 1446.9 | 1376.3 | 1305.8 | 1235.2 | 1164.6 | 1094.0 |
| 62.5° | 1776.4 | 1713.8 | 1651.2 | 1577.3 | 1503.4 | 1429.6 | 1355.7 | 1281.8 | 1207.9 | 1134.1 | 1060.2 |
| 65° | 1774.0 | 1708.9 | 1643.8 | 1566.3 | 1488.9 | 1411.4 | 1334.0 | 1256.5 | 1179.1 | 1101.6 | 1024.2 |
| 67.5° | 1761.4 | 1695.2 | 1629.0 | 1548.8 | 1468.6 | 1388.4 | 1308.2 | 1228.0 | 1147.8 | 1067.6 | 987.4 |
| 70° | 1737.8 | 1671.0 | 1604.3 | 1522.2 | 1440.1 | 1357.9 | 1275.8 | 1193.7 | 1111.6 | 1029.4 | 947.3 |
| 72.5° | 1702.1 | 1635.9 | 1569.7 | 1486.2 | 1402.7 | 1319.2 | 1235.7 | 1152.2 | 1068.7 | 985.2 | 901.7 |
| 75° | 1651.0 | 1585.6 | 1520.2 | 1437.0 | 1353.8 | 1270.5 | 1187.3 | 1104.1 | 1020.9 | 937.6 | 854.4 |
| 77.5° | 1589.7 | 1526.6 | 1463.4 | 1381.3 | 1299.2 | 1217.0 | 1134.9 | 1052.8 | 970.7 | 888.5 | 806.4 |
| 80° | 1519.7 | 1458.1 | 1396.6 | 1316.4 | 1236.2 | 1156.0 | 1075.8 | 995.6 | 915.4 | 835.2 | 755.0 |
| 82.5° | 1443.6 | 1384.3 | 1325.0 | 1247.8 | 1170.6 | 1093.4 | 1016.2 | 939.1 | 861.9 | 784.7 | 707.5 |
| 85° | 1372.5 | 1315.3 | 1258.2 | 1182.9 | 1107.7 | 1032.4 | 957.2 | 881.9 | 806.7 | 731.4 | 656.2 |
| 87.5° | 1306.3 | 1251.3 | 1196.4 | 1123.9 | 1051.4 | 978.9 | 906.4 | 833.8 | 761.3 | 688.8 | 616.3 |
| 90° | 1254.3 | 1201.9 | 1149.4 | 1078.8 | 1008.2 | 937.7 | 867.1 | 796.5 | 725.9 | 655.4 | 584.8 |
| 92.5° | 1208.5 | 1157.9 | 1107.4 | 1039.0 | 970.6 | 902.2 | 833.8 | 765.5 | 697.1 | 628.7 | 560.3 |
| 95° | 1165.7 | 1116.8 | 1067.9 | 1001.4 | 935.0 | 868.5 | 802.0 | 735.6 | 669.1 | 602.6 | 536.2 |
| 97.5° | 1123.3 | 1075.8 | 1028.3 | 963.5 | 898.7 | 833.8 | 769.0 | 704.2 | 639.4 | 574.5 | 509.7 |
| 100° | 1079.1 | 1032.7 | 986.3 | 923.4 | 860.5 | 797.6 | 734.7 | 671.8 | 608.9 | 546.0 | 483.1 |
| 102.5° | 1036.8 | 991.7 | 946.7 | 885.2 | 823.7 | 762.1 | 700.6 | 639.1 | 577.6 | 516.0 | 454.5 |
| 105° | 993.1 | 948.9 | 904.7 | 845.1 | 785.5 | 725.9 | 666.3 | 606.7 | 547.1 | 487.5 | 427.9 |
| 107.5° | 950.9 | 908.0 | 865.2 | 807.0 | 748.7 | 690.5 | 632.3 | 574.0 | 515.8 | 457.6 | 399.3 |
| 110° | 908.0 | 866.8 | 825.6 | 769.0 | 712.4 | 655.9 | 599.3 | 542.7 | 486.1 | 429.6 | 373.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 862.7 | 823.2 | 783.6 | 728.7 | 673.7 | 618.8 | 563.9 | 508.9 | 454.0 | 399.1 | 344.1 |
| 115° | 817.4 | 779.5 | 741.6 | 688.6 | 635.6 | 582.6 | 529.6 | 476.5 | 423.5 | 370.5 | 317.5 |
| 117.5° | 770.2 | 733.6 | 697.1 | 646.3 | 595.5 | 544.7 | 493.9 | 443.0 | 392.2 | 341.4 | 290.6 |
| 120° | 720.4 | 685.3 | 650.1 | 601.8 | 553.4 | 505.1 | 456.8 | 408.4 | 360.1 | 311.8 | 263.4 |
| 122.5° | 665.5 | 630.6 | 595.7 | 550.7 | 505.6 | 460.6 | 415.5 | 370.5 | 325.4 | 280.4 | 235.3 |
| 125° | 615.3 | 582.0 | 548.8 | 506.2 | 463.6 | 421.1 | 378.5 | 335.9 | 293.3 | 250.8 | 208.2 |
| 127.5° | 565.5 | 533.7 | 501.8 | 462.0 | 422.2 | 382.3 | 342.5 | 302.7 | 262.9 | 223.0 | 183.2 |
| 130° | 520.5 | 491.4 | 462.3 | 424.4 | 386.5 | 348.6 | 310.7 | 272.7 | 234.8 | 196.9 | 159.0 |
| 132.5° | 467.7 | 440.3 | 412.8 | 377.9 | 343.0 | 308.2 | 273.3 | 238.4 | 203.5 | 168.7 | 133.8 |
| 135° | 418.3 | 393.3 | 368.3 | 336.2 | 304.0 | 271.9 | 239.8 | 207.6 | 175.5 | 143.4 | 111.2 |
| 137.5° | 371.9 | 349.1 | 326.3 | 296.6 | 267.0 | 237.3 | 207.6 | 178.0 | 148.3 | 118.6 | 89.0 |
| 140° | 322.7 | 301.0 | 279.3 | 252.9 | 226.6 | 200.2 | 173.8 | 147.5 | 121.1 | 94.7 | 68.4 |
| 142.5° | 278.8 | 259.3 | 239.8 | 216.5 | 193.1 | 169.8 | 146.4 | 123.1 | 99.7 | 76.4 | 53.0 |
| 145° | 233.5 | 215.6 | 197.8 | 178.0 | 158.2 | 138.5 | 118.7 | 98.9 | 79.1 | 59.4 | 39.6 |
| 147.5° | 190.1 | 174.1 | 158.2 | 142.3 | 126.3 | 110.4 | 94.5 | 78.5 | 62.6 | 46.7 | 30.7 |
| 150° | 149.7 | 135.4 | 121.1 | 108.7 | 96.4 | 84.0 | 71.7 | 59.3 | 47.0 | 34.6 | 22.3 |
| 152.5° | 110.7 | 98.6 | 86.5 | 77.7 | 68.9 | 60.1 | 51.3 | 42.6 | 33.8 | 25.0 | 16.2 |
| 155° | 74.7 | 64.6 | 54.4 | 48.9 | 43.4 | 37.9 | 32.4 | 26.9 | 21.4 | 15.9 | 10.4 |
| 157.5° | 46.9 | 39.5 | 32.1 | 28.8 | 25.5 | 22.2 | 18.9 | 15.7 | 12.4 | 9.1 | 5.8 |
| 160° | 24.7 | 19.7 | 14.8 | 13.4 | 12.1 | 10.7 | 9.3 | 8.0 | 6.6 | 5.2 | 3.9 |
| 162.5° | 11.8 | 9.6 | 7.4 | 6.6 | 5.8 | 4.9 | 4.1 | 3.3 | 2.5 | 1.6 | 0.8 |
| 165° | 4.1 | 3.3 | 2.5 | 2.2 | 1.9 | 1.7 | 1.4 | 1.1 | 0.8 | 0.6 | 0.3 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 |
| 175° | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLELD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265° | 267.5° | 270° | 272.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1653.7 | 1658.1 | 1662.5 | 1666.9 | 1671.3 | 1675.7 | 1680.1 | 1684.5 | 1688.9 | 1693.3 | 1693.0 |
| 5° | 1633.9 | 1639.7 | 1645.5 | 1651.2 | 1657.0 | 1662.8 | 1668.6 | 1674.3 | 1680.1 | 1685.9 | 1687.8 |
| 7.5° | 1609.2 | 1616.1 | 1622.9 | 1629.8 | 1636.7 | 1643.5 | 1650.4 | 1657.3 | 1664.1 | 1671.0 | 1674.8 |
| 10° | 1584.5 | 1592.2 | 1599.9 | 1607.6 | 1615.3 | 1622.9 | 1630.6 | 1638.3 | 1646.0 | 1653.7 | 1659.5 |
| 12.5° | 1557.3 | 1565.3 | 1573.2 | 1581.2 | 1589.2 | 1597.1 | 1605.1 | 1613.1 | 1621.0 | 1629.0 | 1637.0 |
| 15° | 1527.7 | 1535.7 | 1543.6 | 1551.6 | 1559.5 | 1567.5 | 1575.4 | 1583.4 | 1591.3 | 1599.3 | 1609.7 |
| 17.5° | 1495.5 | 1503.7 | 1512.0 | 1520.2 | 1528.5 | 1536.7 | 1545.0 | 1553.2 | 1561.5 | 1569.7 | 1582.1 |
| 20° | 1465.9 | 1473.3 | 1480.7 | 1488.1 | 1495.5 | 1503.0 | 1510.4 | 1517.8 | 1525.2 | 1532.6 | 1547.7 |
| 22.5° | 1433.7 | 1440.0 | 1446.3 | 1452.7 | 1459.0 | 1465.3 | 1471.6 | 1478.0 | 1484.3 | 1490.6 | 1508.4 |
| 25° | 1404.1 | 1408.8 | 1413.4 | 1418.1 | 1422.8 | 1427.4 | 1432.1 | 1436.8 | 1441.4 | 1446.1 | 1466.4 |
| 27.5° | 1374.4 | 1377.1 | 1379.9 | 1382.6 | 1385.4 | 1388.1 | 1390.9 | 1393.6 | 1396.4 | 1399.1 | 1422.4 |
| 30° | 1347.2 | 1347.2 | 1347.2 | 1347.2 | 1347.2 | 1347.2 | 1347.2 | 1347.2 | 1347.2 | 1347.2 | 1374.1 |
| 32.5° | 1325.0 | 1321.1 | 1317.3 | 1313.4 | 1309.6 | 1305.7 | 1301.9 | 1298.0 | 1294.2 | 1290.3 | 1321.1 |
| 35° | 1305.2 | 1297.0 | 1288.7 | 1280.5 | 1272.2 | 1264.0 | 1255.7 | 1247.5 | 1239.2 | 1231.0 | 1266.2 |
| 37.5° | 1282.9 | 1270.5 | 1258.2 | 1245.8 | 1233.5 | 1221.1 | 1208.8 | 1196.4 | 1184.1 | 1171.7 | 1211.3 |
| 40° | 1260.7 | 1243.9 | 1227.2 | 1210.4 | 1193.7 | 1176.9 | 1160.2 | 1143.4 | 1126.7 | 1109.9 | 1154.1 |
| 42.5° | 1236.0 | 1215.1 | 1194.2 | 1173.4 | 1152.5 | 1131.6 | 1110.7 | 1089.9 | 1069.0 | 1048.1 | 1097.0 |
| 45° | 1208.8 | 1183.8 | 1158.8 | 1133.8 | 1108.8 | 1083.8 | 1058.8 | 1033.8 | 1008.8 | 983.8 | 1037.4 |
| 47.5° | 1181.6 | 1151.9 | 1122.3 | 1092.6 | 1062.9 | 1033.3 | 1003.6 | 973.9 | 944.3 | 914.6 | 973.1 |
| 50° | 1149.4 | 1116.2 | 1082.9 | 1049.7 | 1016.5 | 983.2 | 950.0 | 916.8 | 883.5 | 850.3 | 912.9 |
| 52.5° | 1119.8 | 1082.2 | 1044.5 | 1006.9 | 969.3 | 931.6 | 894.0 | 856.4 | 818.7 | 781.1 | 848.4 |
| 55° | 1087.6 | 1046.1 | 1004.7 | 963.2 | 921.7 | 880.3 | 838.8 | 797.3 | 755.9 | 714.4 | 785.8 |
| 57.5° | 1055.5 | 1010.5 | 965.4 | 920.4 | 875.3 | 830.3 | 785.2 | 740.2 | 695.1 | 650.1 | 725.1 |
| 60° | 1023.4 | 974.0 | 924.5 | 875.1 | 825.6 | 776.2 | 726.7 | 677.3 | 627.8 | 578.4 | 657.8 |
| 62.5° | 986.3 | 933.6 | 880.8 | 828.1 | 775.4 | 722.6 | 669.9 | 617.2 | 564.4 | 511.7 | 594.1 |
| 65° | 946.7 | 891.2 | 835.7 | 780.3 | 724.8 | 669.3 | 613.8 | 558.4 | 502.9 | 447.4 | 532.8 |
| 67.5° | 907.2 | 849.2 | 791.3 | 733.3 | 675.4 | 617.4 | 559.5 | 501.5 | 443.6 | 385.6 | 473.5 |
| 70° | 865.2 | 805.0 | 744.9 | 684.7 | 624.6 | 564.4 | 504.3 | 444.1 | 384.0 | 323.8 | 413.9 |
| 72.5° | 818.2 | 756.7 | 695.2 | 633.6 | 572.1 | 510.6 | 449.1 | 387.5 | 326.0 | 264.5 | 356.2 |
| 75° | 771.2 | 708.6 | 646.0 | 583.3 | 520.7 | 458.1 | 395.5 | 332.8 | 270.2 | 207.6 | 300.4 |
| 77.5° | 724.3 | 661.1 | 597.9 | 534.8 | 471.6 | 408.4 | 345.2 | 282.1 | 218.9 | 155.7 | 249.1 |
| 80° | 674.8 | 612.2 | 549.6 | 486.9 | 424.3 | 361.7 | 299.1 | 236.4 | 173.8 | 111.2 | 204.6 |
| 82.5° | 630.3 | 568.0 | 505.6 | 443.3 | 380.9 | 318.6 | 256.2 | 193.9 | 131.5 | 69.2 | 161.5 |
| 85° | 580.9 | 520.5 | 460.1 | 399.6 | 339.2 | 278.8 | 218.4 | 157.9 | 97.5 | 37.1 | 127.7 |
| 87.5° | 543.8 | 484.8 | 425.7 | 366.7 | 307.6 | 248.6 | 189.5 | 130.5 | 71.4 | 12.4 | 100.8 |
| 90° | 514.2 | 457.1 | 399.9 | 342.8 | 285.7 | 228.5 | 171.4 | 114.3 | 57.1 | 0.0 | 85.4 |
| 92.5° | 491.9 | 437.2 | 382.6 | 327.9 | 273.3 | 218.6 | 164.0 | 109.3 | 54.7 | 0.0 | 81.8 |
| 95° | 469.7 | 417.5 | 365.3 | 313.1 | 260.9 | 208.8 | 156.6 | 104.4 | 52.2 | 0.0 | 78.8 |
| 97.5° | 444.9 | 395.5 | 346.0 | 296.6 | 247.2 | 197.7 | 148.3 | 98.9 | 49.4 | 0.0 | 75.3 |
| 100° | 420.2 | 373.5 | 326.8 | 280.1 | 233.4 | 186.8 | 140.1 | 93.4 | 46.7 | 0.0 | 72.0 |
| 102.5° | 393.0 | 349.3 | 305.7 | 262.0 | 218.3 | 174.7 | 131.0 | 87.3 | 43.7 | 0.0 | 67.6 |
| 105° | 368.3 | 327.4 | 286.5 | 245.5 | 204.6 | 163.7 | 122.8 | 81.8 | 40.9 | 0.0 | 64.0 |
| 107.5° | 341.1 | 303.2 | 265.3 | 227.4 | 189.5 | 151.6 | 113.7 | 75.8 | 37.9 | 0.0 | 60.4 |
| 110° | 316.4 | 281.2 | 246.1 | 210.9 | 175.8 | 140.6 | 105.5 | 70.3 | 35.2 | 0.0 | 56.6 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265° | 267.5° | 270° | 272.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|------|--------|------|--------|
| 112.5° | 289.2 | 257.1 | 224.9 | 192.8 | 160.7 | 128.5 | 96.4 | 64.3 | 32.1 | 0.0 | 52.7 |
| 115° | 264.5 | 235.1 | 205.7 | 176.3 | 146.9 | 117.6 | 88.2 | 58.8 | 29.4 | 0.0 | 48.3 |
| 117.5° | 239.8 | 213.4 | 187.1 | 160.7 | 134.3 | 108.0 | 81.6 | 55.2 | 28.9 | 2.5 | 46.4 |
| 120° | 215.1 | 191.5 | 167.9 | 144.2 | 120.6 | 97.0 | 73.4 | 49.7 | 26.1 | 2.5 | 42.3 |
| 122.5° | 190.3 | 169.2 | 148.0 | 126.9 | 105.7 | 84.6 | 63.4 | 42.3 | 21.1 | 0.0 | 36.0 |
| 125° | 165.6 | 147.5 | 129.4 | 111.2 | 93.1 | 75.0 | 56.9 | 38.7 | 20.6 | 2.5 | 33.8 |
| 127.5° | 143.4 | 127.7 | 112.1 | 96.4 | 80.8 | 65.1 | 49.5 | 33.8 | 18.2 | 2.5 | 28.9 |
| 130° | 121.1 | 107.9 | 94.7 | 81.6 | 68.4 | 55.2 | 42.0 | 28.9 | 15.7 | 2.5 | 23.9 |
| 132.5° | 98.9 | 88.2 | 77.5 | 66.8 | 56.1 | 45.3 | 34.6 | 23.9 | 13.2 | 2.5 | 19.8 |
| 135° | 79.1 | 70.6 | 62.1 | 53.6 | 45.1 | 36.5 | 28.0 | 19.5 | 11.0 | 2.5 | 16.0 |
| 137.5° | 59.3 | 53.0 | 46.7 | 40.4 | 34.1 | 27.7 | 21.4 | 15.1 | 8.8 | 2.5 | 12.7 |
| 140° | 42.0 | 37.6 | 33.2 | 28.8 | 24.4 | 20.1 | 15.7 | 11.3 | 6.9 | 2.5 | 9.6 |
| 142.5° | 29.7 | 26.7 | 23.7 | 20.6 | 17.6 | 14.6 | 11.6 | 8.5 | 5.5 | 2.5 | 7.4 |
| 145° | 19.8 | 17.9 | 16.0 | 14.0 | 12.1 | 10.2 | 8.3 | 6.3 | 4.4 | 2.5 | 6.1 |
| 147.5° | 14.8 | 13.4 | 12.1 | 10.7 | 9.3 | 8.0 | 6.6 | 5.2 | 3.9 | 2.5 | 4.7 |
| 150° | 9.9 | 9.1 | 8.3 | 7.4 | 6.6 | 5.8 | 5.0 | 4.1 | 3.3 | 2.5 | 4.1 |
| 152.5° | 7.4 | 6.9 | 6.3 | 5.8 | 5.2 | 4.7 | 4.1 | 3.6 | 3.0 | 2.5 | 3.6 |
| 155° | 4.9 | 4.6 | 4.4 | 4.1 | 3.8 | 3.6 | 3.3 | 3.0 | 2.8 | 2.5 | 3.0 |
| 157.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.8 |
| 160° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 162.5° | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.5 | 2.5 |
| 165° | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.5 | 2.2 |
| 167.5° | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.5 | 2.2 |
| 170° | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.5 | 2.2 |
| 172.5° | 2.5 | 2.8 | 3.0 | 3.3 | 3.6 | 3.8 | 4.1 | 4.4 | 4.6 | 4.9 | 4.4 |
| 175° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.2 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLEDD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 275° | 277.5° | 280° | 282.5° | 285° | 287.5° | 290° | 292.5° | 295° | 297.5° | 300° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1692.7 | 1692.5 | 1692.2 | 1691.9 | 1691.6 | 1691.4 | 1691.1 | 1690.8 | 1692.2 | 1693.6 | 1694.9 |
| 5° | 1689.7 | 1691.7 | 1693.6 | 1695.5 | 1697.4 | 1699.4 | 1701.3 | 1703.2 | 1706.2 | 1709.2 | 1712.3 |
| 7.5° | 1678.7 | 1682.5 | 1686.4 | 1690.2 | 1694.1 | 1697.9 | 1701.8 | 1705.6 | 1710.5 | 1715.5 | 1720.4 |
| 10° | 1665.2 | 1671.0 | 1676.8 | 1682.5 | 1688.3 | 1694.1 | 1699.8 | 1705.6 | 1712.7 | 1719.9 | 1727.0 |
| 12.5° | 1644.9 | 1652.9 | 1660.9 | 1668.8 | 1676.8 | 1684.8 | 1692.7 | 1700.7 | 1710.9 | 1721.0 | 1731.2 |
| 15° | 1620.2 | 1630.6 | 1641.1 | 1651.5 | 1662.0 | 1672.4 | 1682.9 | 1693.3 | 1706.8 | 1720.2 | 1733.7 |
| 17.5° | 1594.4 | 1606.8 | 1619.1 | 1631.5 | 1643.8 | 1656.2 | 1668.5 | 1680.9 | 1698.2 | 1715.5 | 1732.8 |
| 20° | 1562.8 | 1577.9 | 1593.0 | 1608.2 | 1623.3 | 1638.4 | 1653.5 | 1668.6 | 1690.6 | 1712.5 | 1734.5 |
| 22.5° | 1526.3 | 1544.1 | 1562.0 | 1579.8 | 1597.7 | 1615.5 | 1633.4 | 1651.2 | 1679.5 | 1707.8 | 1736.1 |
| 25° | 1486.7 | 1507.1 | 1527.4 | 1547.7 | 1568.0 | 1588.4 | 1608.7 | 1629.0 | 1663.6 | 1698.2 | 1732.8 |
| 27.5° | 1445.8 | 1469.1 | 1492.5 | 1515.8 | 1539.2 | 1562.5 | 1585.9 | 1609.2 | 1649.9 | 1690.5 | 1731.2 |
| 30° | 1401.0 | 1428.0 | 1454.9 | 1481.8 | 1508.7 | 1535.7 | 1562.6 | 1589.5 | 1635.6 | 1681.8 | 1727.9 |
| 32.5° | 1351.8 | 1382.6 | 1413.4 | 1444.1 | 1474.9 | 1505.7 | 1536.4 | 1567.2 | 1618.8 | 1670.5 | 1722.1 |
| 35° | 1301.3 | 1336.5 | 1371.6 | 1406.8 | 1441.9 | 1477.1 | 1512.2 | 1547.4 | 1603.7 | 1660.0 | 1716.3 |
| 37.5° | 1250.8 | 1290.4 | 1329.9 | 1369.5 | 1409.0 | 1448.6 | 1488.1 | 1527.7 | 1588.7 | 1649.6 | 1710.6 |
| 40° | 1198.3 | 1242.6 | 1286.8 | 1331.0 | 1375.2 | 1419.5 | 1463.7 | 1507.9 | 1573.5 | 1639.2 | 1704.8 |
| 42.5° | 1145.9 | 1194.8 | 1243.7 | 1292.5 | 1341.4 | 1390.3 | 1439.2 | 1488.1 | 1557.9 | 1627.6 | 1697.4 |
| 45° | 1090.9 | 1144.5 | 1198.1 | 1251.6 | 1305.2 | 1358.8 | 1412.3 | 1465.9 | 1539.8 | 1613.7 | 1687.5 |
| 47.5° | 1031.6 | 1090.1 | 1148.6 | 1207.1 | 1265.6 | 1324.1 | 1382.6 | 1441.1 | 1519.4 | 1597.7 | 1675.9 |
| 50° | 975.5 | 1038.2 | 1100.8 | 1163.4 | 1226.0 | 1288.7 | 1351.3 | 1413.9 | 1496.0 | 1578.2 | 1660.3 |
| 52.5° | 915.7 | 983.0 | 1050.3 | 1117.6 | 1184.9 | 1252.2 | 1319.5 | 1386.8 | 1472.2 | 1557.6 | 1643.0 |
| 55° | 857.2 | 928.6 | 1000.0 | 1071.5 | 1142.9 | 1214.3 | 1285.7 | 1357.1 | 1446.4 | 1535.6 | 1624.9 |
| 57.5° | 800.1 | 875.1 | 950.1 | 1025.0 | 1100.0 | 1175.0 | 1250.0 | 1325.0 | 1417.8 | 1510.7 | 1603.5 |
| 60° | 737.2 | 816.5 | 895.9 | 975.3 | 1054.7 | 1134.0 | 1213.4 | 1292.8 | 1389.2 | 1485.6 | 1582.0 |
| 62.5° | 676.5 | 758.9 | 841.3 | 923.7 | 1006.1 | 1088.5 | 1170.9 | 1253.3 | 1353.3 | 1453.3 | 1553.2 |
| 65° | 618.2 | 703.7 | 789.1 | 874.5 | 959.9 | 1045.4 | 1130.8 | 1216.2 | 1319.2 | 1422.2 | 1525.2 |
| 67.5° | 561.4 | 649.3 | 737.2 | 825.0 | 912.9 | 1000.8 | 1088.7 | 1176.6 | 1282.9 | 1389.2 | 1495.5 |
| 70° | 504.0 | 594.1 | 684.2 | 774.2 | 864.3 | 954.4 | 1044.5 | 1134.6 | 1243.4 | 1352.1 | 1460.9 |
| 72.5° | 448.0 | 539.7 | 631.4 | 723.2 | 814.9 | 906.6 | 998.4 | 1090.1 | 1200.2 | 1310.4 | 1420.5 |
| 75° | 393.3 | 486.1 | 579.0 | 671.8 | 764.7 | 857.5 | 950.4 | 1043.2 | 1154.4 | 1265.7 | 1376.9 |
| 77.5° | 342.5 | 435.9 | 529.3 | 622.6 | 716.0 | 809.4 | 902.8 | 996.2 | 1107.4 | 1218.7 | 1329.9 |
| 80° | 298.0 | 391.4 | 484.8 | 578.1 | 671.5 | 764.9 | 858.3 | 951.7 | 1061.8 | 1172.0 | 1282.1 |
| 82.5° | 253.8 | 346.1 | 438.4 | 530.6 | 622.9 | 715.2 | 807.5 | 899.8 | 1009.4 | 1119.0 | 1228.6 |
| 85° | 218.4 | 309.0 | 399.6 | 490.3 | 580.9 | 671.5 | 762.2 | 852.8 | 960.7 | 1068.7 | 1176.6 |
| 87.5° | 189.3 | 277.7 | 366.1 | 454.6 | 543.0 | 631.4 | 719.9 | 808.3 | 914.0 | 1019.8 | 1125.5 |
| 90° | 170.8 | 256.3 | 341.7 | 427.1 | 512.5 | 598.0 | 683.4 | 768.8 | 872.3 | 975.9 | 1079.4 |
| 92.5° | 163.7 | 245.5 | 327.4 | 409.2 | 491.1 | 572.9 | 654.8 | 736.6 | 838.5 | 940.4 | 1042.3 |
| 95° | 157.6 | 236.5 | 315.3 | 394.1 | 472.9 | 551.8 | 630.6 | 709.4 | 809.4 | 909.4 | 1009.3 |
| 97.5° | 150.5 | 225.8 | 301.0 | 376.3 | 451.5 | 526.8 | 602.0 | 677.3 | 775.9 | 874.5 | 973.1 |
| 100° | 143.9 | 215.9 | 287.8 | 359.8 | 431.7 | 503.7 | 575.6 | 647.6 | 744.6 | 841.5 | 938.5 |
| 102.5° | 135.1 | 202.7 | 270.3 | 337.8 | 405.4 | 473.0 | 540.5 | 608.1 | 704.0 | 799.8 | 895.7 |
| 105° | 128.0 | 192.0 | 256.0 | 320.0 | 384.0 | 448.0 | 512.0 | 576.0 | 669.7 | 763.3 | 857.0 |
| 107.5° | 120.8 | 181.3 | 241.7 | 302.1 | 362.5 | 423.0 | 483.4 | 543.8 | 635.5 | 727.3 | 819.0 |
| 110° | 113.2 | 169.7 | 226.3 | 282.9 | 339.5 | 396.0 | 452.6 | 509.2 | 598.7 | 688.3 | 777.8 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 275° | 277.5° | 280° | 282.5° | 285° | 287.5° | 290° | 292.5° | 295° | 297.5° | 300° |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 112.5° | 105.5 | 158.2 | 210.9 | 263.7 | 316.4 | 369.1 | 421.9 | 474.6 | 561.4 | 648.2 | 735.0 |
| 115° | 96.7 | 145.0 | 193.4 | 241.7 | 290.1 | 338.4 | 386.8 | 435.1 | 519.1 | 603.2 | 687.2 |
| 117.5° | 90.4 | 134.3 | 178.3 | 222.2 | 266.2 | 310.1 | 354.1 | 398.0 | 479.3 | 560.6 | 641.9 |
| 120° | 82.1 | 122.0 | 161.8 | 201.6 | 241.4 | 281.3 | 321.1 | 360.9 | 439.5 | 518.0 | 596.6 |
| 122.5° | 72.0 | 107.9 | 143.9 | 179.9 | 215.9 | 251.8 | 287.8 | 323.8 | 399.1 | 474.3 | 549.6 |
| 125° | 65.1 | 96.4 | 127.7 | 159.1 | 190.4 | 221.7 | 253.0 | 284.3 | 356.3 | 428.2 | 500.2 |
| 127.5° | 55.2 | 81.6 | 108.0 | 134.3 | 160.7 | 187.1 | 213.4 | 239.8 | 307.6 | 375.5 | 443.3 |
| 130° | 45.3 | 66.8 | 88.2 | 109.6 | 131.0 | 152.5 | 173.9 | 195.3 | 257.1 | 318.9 | 380.7 |
| 132.5° | 37.1 | 54.4 | 71.7 | 89.0 | 106.3 | 123.6 | 140.9 | 158.2 | 213.7 | 269.2 | 324.6 |
| 135° | 29.4 | 42.9 | 56.3 | 69.8 | 83.2 | 96.7 | 110.1 | 123.6 | 172.8 | 221.9 | 271.1 |
| 137.5° | 22.8 | 33.0 | 43.1 | 53.3 | 63.4 | 73.6 | 83.7 | 93.9 | 137.6 | 181.3 | 224.9 |
| 140° | 16.8 | 23.9 | 31.0 | 38.2 | 45.3 | 52.4 | 59.6 | 66.7 | 105.2 | 143.6 | 182.1 |
| 142.5° | 12.4 | 17.3 | 22.3 | 27.2 | 32.2 | 37.1 | 42.1 | 47.0 | 80.0 | 112.9 | 145.9 |
| 145° | 9.6 | 13.2 | 16.8 | 20.3 | 23.9 | 27.5 | 31.0 | 34.6 | 61.8 | 89.0 | 116.2 |
| 147.5° | 6.9 | 9.1 | 11.3 | 13.4 | 15.6 | 17.8 | 20.0 | 22.2 | 44.7 | 67.2 | 89.8 |
| 150° | 5.8 | 7.4 | 9.1 | 10.7 | 12.4 | 14.0 | 15.7 | 17.3 | 34.3 | 51.4 | 68.4 |
| 152.5° | 4.7 | 5.8 | 6.9 | 8.0 | 9.1 | 10.2 | 11.3 | 12.4 | 24.8 | 37.1 | 49.5 |
| 155° | 3.6 | 4.1 | 4.7 | 5.2 | 5.8 | 6.3 | 6.9 | 7.4 | 15.6 | 23.9 | 32.1 |
| 157.5° | 3.0 | 3.3 | 3.6 | 3.8 | 4.1 | 4.4 | 4.6 | 4.9 | 9.8 | 14.8 | 19.7 |
| 160° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 5.2 | 8.0 | 10.7 |
| 162.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 3.3 | 4.1 | 5.0 |
| 165° | 1.9 | 1.7 | 1.4 | 1.1 | 0.8 | 0.6 | 0.3 | 0.0 | 0.3 | 0.6 | 0.8 |
| 167.5° | 1.9 | 1.7 | 1.4 | 1.1 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 1.9 | 1.7 | 1.4 | 1.1 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 3.8 | 3.3 | 2.7 | 2.2 | 1.6 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 1.9 | 1.7 | 1.4 | 1.1 | 0.8 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLEDD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 302.5° | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° | 320° | 322.5° | 325° | 327.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1696.3 | 1697.7 | 1699.1 | 1700.4 | 1701.8 | 1703.2 | 1703.5 | 1703.7 | 1704.0 | 1704.3 | 1704.5 |
| 5° | 1715.3 | 1718.3 | 1721.3 | 1724.4 | 1727.4 | 1730.4 | 1731.8 | 1733.1 | 1734.5 | 1735.9 | 1737.2 |
| 7.5° | 1725.4 | 1730.3 | 1735.3 | 1740.2 | 1745.2 | 1750.1 | 1753.9 | 1757.8 | 1761.6 | 1765.5 | 1769.3 |
| 10° | 1734.2 | 1741.3 | 1748.5 | 1755.6 | 1762.8 | 1769.9 | 1776.2 | 1782.5 | 1788.9 | 1795.2 | 1801.5 |
| 12.5° | 1741.3 | 1751.5 | 1761.6 | 1771.8 | 1781.9 | 1792.1 | 1800.9 | 1809.7 | 1818.5 | 1827.3 | 1836.1 |
| 15° | 1747.1 | 1760.6 | 1774.0 | 1787.5 | 1800.9 | 1814.4 | 1825.9 | 1837.5 | 1849.0 | 1860.5 | 1872.1 |
| 17.5° | 1750.1 | 1767.4 | 1784.7 | 1802.0 | 1819.3 | 1836.6 | 1853.1 | 1869.6 | 1886.1 | 1902.6 | 1919.0 |
| 20° | 1756.5 | 1778.4 | 1800.4 | 1822.4 | 1844.3 | 1866.3 | 1886.6 | 1906.9 | 1927.3 | 1947.6 | 1967.9 |
| 22.5° | 1764.4 | 1792.7 | 1821.0 | 1849.3 | 1877.6 | 1905.9 | 1929.0 | 1952.0 | 1975.1 | 1998.2 | 2021.2 |
| 25° | 1767.4 | 1802.1 | 1836.7 | 1871.3 | 1905.9 | 1940.5 | 1966.6 | 1992.7 | 2018.8 | 2044.9 | 2070.9 |
| 27.5° | 1771.8 | 1812.5 | 1853.1 | 1893.8 | 1934.4 | 1975.1 | 2003.9 | 2032.8 | 2061.6 | 2090.4 | 2119.3 |
| 30° | 1774.0 | 1820.2 | 1866.3 | 1912.4 | 1958.6 | 2004.7 | 2036.3 | 2067.9 | 2099.5 | 2131.1 | 2162.6 |
| 32.5° | 1773.7 | 1825.4 | 1877.0 | 1928.6 | 1980.3 | 2031.9 | 2066.8 | 2101.7 | 2136.6 | 2171.5 | 2206.3 |
| 35° | 1772.6 | 1829.0 | 1885.3 | 1941.6 | 1997.9 | 2054.2 | 2092.6 | 2131.1 | 2169.5 | 2208.0 | 2246.4 |
| 37.5° | 1771.6 | 1832.5 | 1893.5 | 1954.5 | 2015.4 | 2076.4 | 2118.2 | 2159.9 | 2201.7 | 2243.4 | 2285.2 |
| 40° | 1770.5 | 1836.1 | 1901.8 | 1967.4 | 2033.1 | 2098.7 | 2143.5 | 2188.2 | 2233.0 | 2277.8 | 2322.5 |
| 42.5° | 1767.2 | 1836.9 | 1906.7 | 1976.5 | 2046.2 | 2116.0 | 2164.6 | 2213.2 | 2261.8 | 2310.4 | 2359.1 |
| 45° | 1761.4 | 1835.3 | 1909.2 | 1983.0 | 2056.9 | 2130.8 | 2183.0 | 2235.2 | 2287.4 | 2339.6 | 2391.7 |
| 47.5° | 1754.2 | 1832.5 | 1910.8 | 1989.0 | 2067.3 | 2145.6 | 2201.9 | 2258.2 | 2314.5 | 2370.8 | 2427.2 |
| 50° | 1742.4 | 1824.6 | 1906.7 | 1988.8 | 2071.0 | 2153.1 | 2213.5 | 2273.9 | 2334.4 | 2394.8 | 2455.2 |
| 52.5° | 1728.4 | 1813.9 | 1899.3 | 1984.7 | 2070.1 | 2155.5 | 2220.6 | 2285.7 | 2350.8 | 2415.9 | 2481.0 |
| 55° | 1714.2 | 1803.4 | 1892.7 | 1982.0 | 2071.2 | 2160.5 | 2229.7 | 2298.9 | 2368.1 | 2437.3 | 2506.6 |
| 57.5° | 1696.3 | 1789.2 | 1882.0 | 1974.8 | 2067.7 | 2160.5 | 2233.6 | 2306.6 | 2379.7 | 2452.7 | 2525.8 |
| 60° | 1678.4 | 1774.9 | 1871.3 | 1967.7 | 2064.1 | 2160.5 | 2236.9 | 2313.2 | 2389.6 | 2465.9 | 2542.3 |
| 62.5° | 1653.2 | 1753.2 | 1853.2 | 1953.1 | 2053.1 | 2153.1 | 2232.5 | 2311.8 | 2391.2 | 2470.6 | 2549.9 |
| 65° | 1628.2 | 1731.2 | 1834.2 | 1937.2 | 2040.2 | 2143.2 | 2225.3 | 2307.4 | 2389.6 | 2471.7 | 2553.8 |
| 67.5° | 1601.8 | 1708.1 | 1814.4 | 1920.7 | 2027.0 | 2133.3 | 2217.1 | 2300.8 | 2384.6 | 2468.4 | 2552.1 |
| 70° | 1569.7 | 1678.4 | 1787.2 | 1896.0 | 2004.7 | 2113.5 | 2198.6 | 2283.8 | 2368.9 | 2454.1 | 2539.2 |
| 72.5° | 1530.7 | 1640.8 | 1751.0 | 1861.1 | 1971.3 | 2081.4 | 2167.9 | 2254.4 | 2340.9 | 2427.4 | 2514.0 |
| 75° | 1488.1 | 1599.4 | 1710.6 | 1821.8 | 1933.1 | 2044.3 | 2131.4 | 2218.4 | 2305.5 | 2392.6 | 2479.6 |
| 77.5° | 1441.1 | 1552.4 | 1663.6 | 1774.8 | 1886.1 | 1997.3 | 2084.1 | 2170.9 | 2257.7 | 2344.5 | 2431.2 |
| 80° | 1392.2 | 1502.4 | 1612.5 | 1722.6 | 1832.8 | 1942.9 | 2029.1 | 2115.4 | 2201.6 | 2287.9 | 2374.1 |
| 82.5° | 1338.2 | 1447.7 | 1557.3 | 1666.9 | 1776.5 | 1886.1 | 1970.7 | 2055.3 | 2139.9 | 2224.5 | 2309.0 |
| 85° | 1284.6 | 1392.5 | 1500.5 | 1608.4 | 1716.4 | 1824.3 | 1907.8 | 1991.3 | 2074.8 | 2158.3 | 2241.8 |
| 87.5° | 1231.3 | 1337.0 | 1442.8 | 1548.5 | 1654.3 | 1760.0 | 1841.6 | 1923.2 | 2004.7 | 2086.3 | 2167.9 |
| 90° | 1183.0 | 1286.5 | 1390.1 | 1493.6 | 1597.2 | 1700.7 | 1780.1 | 1859.5 | 1938.8 | 2018.2 | 2097.6 |
| 92.5° | 1144.2 | 1246.1 | 1348.0 | 1449.9 | 1551.8 | 1653.7 | 1731.2 | 1808.6 | 1886.1 | 1963.5 | 2041.0 |
| 95° | 1109.3 | 1209.3 | 1309.3 | 1409.2 | 1509.2 | 1609.2 | 1685.6 | 1761.9 | 1838.3 | 1914.6 | 1991.0 |
| 97.5° | 1071.7 | 1170.3 | 1268.9 | 1367.5 | 1466.1 | 1564.7 | 1638.3 | 1711.9 | 1785.5 | 1859.1 | 1932.8 |
| 100° | 1035.4 | 1132.4 | 1229.3 | 1326.3 | 1423.2 | 1520.2 | 1592.2 | 1664.1 | 1736.1 | 1808.1 | 1880.0 |
| 102.5° | 991.5 | 1087.4 | 1183.2 | 1279.1 | 1374.9 | 1470.8 | 1541.7 | 1612.5 | 1683.4 | 1754.3 | 1825.1 |
| 105° | 950.6 | 1044.3 | 1137.9 | 1231.6 | 1325.2 | 1418.9 | 1488.7 | 1558.4 | 1628.2 | 1698.0 | 1767.7 |
| 107.5° | 910.7 | 1002.5 | 1094.2 | 1185.9 | 1277.7 | 1369.4 | 1437.2 | 1505.1 | 1572.9 | 1640.8 | 1708.6 |
| 110° | 867.4 | 956.9 | 1046.5 | 1136.0 | 1225.6 | 1315.1 | 1381.6 | 1448.0 | 1514.5 | 1581.0 | 1647.4 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 302.5° | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° | 320° | 322.5° | 325° | 327.5° |
|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 821.8 | 908.5 | 995.3 | 1082.1 | 1168.9 | 1255.7 | 1320.5 | 1385.3 | 1450.2 | 1515.0 | 1579.8 |
| 115° | 771.3 | 855.3 | 939.4 | 1023.4 | 1107.5 | 1191.5 | 1255.2 | 1318.9 | 1382.7 | 1446.4 | 1510.1 |
| 117.5° | 723.2 | 804.5 | 885.8 | 967.1 | 1048.4 | 1129.7 | 1191.2 | 1252.7 | 1314.3 | 1375.8 | 1437.3 |
| 120° | 675.1 | 753.7 | 832.2 | 910.8 | 989.3 | 1067.9 | 1126.9 | 1186.0 | 1245.0 | 1304.1 | 1363.1 |
| 122.5° | 624.8 | 700.1 | 775.3 | 850.6 | 925.8 | 1001.1 | 1058.0 | 1114.8 | 1171.7 | 1228.5 | 1285.4 |
| 125° | 572.1 | 644.1 | 716.0 | 788.0 | 859.9 | 931.9 | 986.3 | 1040.7 | 1095.1 | 1149.5 | 1203.8 |
| 127.5° | 511.1 | 579.0 | 646.8 | 714.6 | 782.5 | 850.3 | 903.3 | 956.3 | 1009.3 | 1062.3 | 1115.4 |
| 130° | 442.5 | 504.3 | 566.1 | 627.9 | 689.7 | 751.5 | 805.1 | 858.6 | 912.2 | 965.7 | 1019.3 |
| 132.5° | 380.1 | 435.6 | 491.1 | 546.5 | 602.0 | 657.5 | 710.5 | 763.5 | 816.5 | 869.5 | 922.6 |
| 135° | 320.3 | 369.4 | 418.6 | 467.8 | 516.9 | 566.1 | 618.0 | 669.9 | 721.8 | 773.7 | 825.7 |
| 137.5° | 268.6 | 312.3 | 356.0 | 399.6 | 443.3 | 487.0 | 535.3 | 583.7 | 632.0 | 680.3 | 728.7 |
| 140° | 220.5 | 259.0 | 297.4 | 335.9 | 374.3 | 412.8 | 455.9 | 499.0 | 542.2 | 585.3 | 628.4 |
| 142.5° | 178.8 | 211.8 | 244.7 | 277.7 | 310.6 | 343.6 | 381.5 | 419.4 | 457.3 | 495.2 | 533.1 |
| 145° | 143.4 | 170.5 | 197.7 | 224.9 | 252.1 | 279.3 | 312.0 | 344.7 | 377.4 | 410.1 | 442.7 |
| 147.5° | 112.3 | 134.8 | 157.3 | 179.9 | 202.4 | 224.9 | 252.4 | 279.8 | 307.3 | 334.8 | 362.2 |
| 150° | 85.4 | 102.5 | 119.5 | 136.5 | 153.6 | 170.6 | 193.9 | 217.3 | 240.6 | 264.0 | 287.3 |
| 152.5° | 61.8 | 74.2 | 86.5 | 98.9 | 111.2 | 123.6 | 142.8 | 162.0 | 181.3 | 200.5 | 219.7 |
| 155° | 40.4 | 48.6 | 56.9 | 65.1 | 73.4 | 81.6 | 96.7 | 111.8 | 126.9 | 142.0 | 157.1 |
| 157.5° | 24.7 | 29.6 | 34.6 | 39.5 | 44.5 | 49.4 | 60.7 | 71.9 | 83.2 | 94.5 | 105.7 |
| 160° | 13.5 | 16.2 | 19.0 | 21.7 | 24.5 | 27.2 | 34.3 | 41.5 | 48.6 | 55.8 | 62.9 |
| 162.5° | 5.8 | 6.6 | 7.4 | 8.3 | 9.1 | 9.9 | 14.0 | 18.1 | 22.3 | 26.4 | 30.5 |
| 165° | 1.1 | 1.4 | 1.7 | 1.9 | 2.2 | 2.5 | 4.1 | 5.8 | 7.4 | 9.1 | 10.7 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.6 | 0.8 | 1.1 | 1.4 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLEDD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 330° | 332.5° | 335° | 337.5° | 340° | 342.5° | 345° | 347.5° | 350° | 352.5° | 355° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 | 1668.6 |
| 2.5° | 1704.8 | 1705.1 | 1705.3 | 1705.6 | 1704.2 | 1702.9 | 1701.5 | 1700.1 | 1698.8 | 1697.4 | 1696.0 |
| 5° | 1738.6 | 1740.0 | 1741.3 | 1742.7 | 1743.0 | 1743.3 | 1743.5 | 1743.8 | 1744.1 | 1744.4 | 1744.6 |
| 7.5° | 1773.2 | 1777.0 | 1780.9 | 1784.7 | 1785.0 | 1785.3 | 1785.5 | 1785.8 | 1786.1 | 1786.4 | 1786.6 |
| 10° | 1807.8 | 1814.2 | 1820.5 | 1826.8 | 1827.6 | 1828.4 | 1829.3 | 1830.1 | 1830.9 | 1831.7 | 1832.6 |
| 12.5° | 1844.9 | 1853.7 | 1862.5 | 1871.3 | 1873.5 | 1875.7 | 1877.9 | 1880.1 | 1882.2 | 1884.4 | 1886.6 |
| 15° | 1883.6 | 1895.1 | 1906.7 | 1918.2 | 1922.9 | 1927.5 | 1932.2 | 1936.9 | 1941.5 | 1946.2 | 1950.9 |
| 17.5° | 1935.5 | 1952.0 | 1968.5 | 1985.0 | 1990.2 | 1995.4 | 2000.6 | 2005.8 | 2011.1 | 2016.3 | 2021.5 |
| 20° | 1988.2 | 2008.6 | 2028.9 | 2049.2 | 2055.8 | 2062.4 | 2069.0 | 2075.6 | 2082.2 | 2088.8 | 2095.4 |
| 22.5° | 2044.3 | 2067.4 | 2090.4 | 2113.5 | 2121.2 | 2128.9 | 2136.6 | 2144.3 | 2151.9 | 2159.6 | 2167.3 |
| 25° | 2097.0 | 2123.1 | 2149.2 | 2175.3 | 2183.8 | 2192.3 | 2200.8 | 2209.3 | 2217.9 | 2226.4 | 2234.9 |
| 27.5° | 2148.1 | 2176.9 | 2205.8 | 2234.6 | 2244.5 | 2254.4 | 2264.3 | 2274.2 | 2284.0 | 2293.9 | 2303.8 |
| 30° | 2194.2 | 2225.8 | 2257.4 | 2289.0 | 2300.5 | 2312.1 | 2323.6 | 2335.1 | 2346.7 | 2358.2 | 2369.7 |
| 32.5° | 2241.2 | 2276.1 | 2311.0 | 2345.9 | 2358.8 | 2371.7 | 2384.6 | 2397.5 | 2410.4 | 2423.3 | 2436.2 |
| 35° | 2284.9 | 2323.3 | 2361.8 | 2400.2 | 2414.8 | 2429.3 | 2443.9 | 2458.5 | 2473.0 | 2487.6 | 2502.2 |
| 37.5° | 2326.9 | 2368.7 | 2410.4 | 2452.2 | 2468.4 | 2484.6 | 2500.8 | 2517.0 | 2533.2 | 2549.4 | 2565.6 |
| 40° | 2367.3 | 2412.1 | 2456.8 | 2501.6 | 2519.7 | 2537.8 | 2556.0 | 2574.1 | 2592.2 | 2610.3 | 2628.5 |
| 42.5° | 2407.7 | 2456.3 | 2504.9 | 2553.5 | 2573.3 | 2593.1 | 2612.8 | 2632.6 | 2652.4 | 2672.2 | 2691.9 |
| 45° | 2443.9 | 2496.1 | 2548.3 | 2600.5 | 2622.5 | 2644.4 | 2666.4 | 2688.4 | 2710.3 | 2732.3 | 2754.3 |
| 47.5° | 2483.5 | 2539.8 | 2596.1 | 2652.4 | 2676.0 | 2699.6 | 2723.3 | 2746.9 | 2770.5 | 2794.1 | 2817.8 |
| 50° | 2515.6 | 2576.1 | 2636.5 | 2696.9 | 2722.4 | 2748.0 | 2773.5 | 2799.1 | 2824.6 | 2850.2 | 2875.7 |
| 52.5° | 2546.1 | 2611.2 | 2676.3 | 2741.4 | 2768.9 | 2796.3 | 2823.8 | 2851.3 | 2878.7 | 2906.2 | 2933.7 |
| 55° | 2575.8 | 2645.0 | 2714.2 | 2783.4 | 2812.2 | 2841.1 | 2869.9 | 2898.7 | 2927.6 | 2956.4 | 2985.2 |
| 57.5° | 2598.8 | 2671.9 | 2744.9 | 2818.0 | 2848.5 | 2879.0 | 2909.5 | 2940.0 | 2970.4 | 3000.9 | 3031.4 |
| 60° | 2618.6 | 2695.0 | 2771.3 | 2847.7 | 2879.3 | 2910.9 | 2942.4 | 2974.0 | 3005.6 | 3037.2 | 3068.7 |
| 62.5° | 2629.3 | 2708.7 | 2788.0 | 2867.4 | 2900.1 | 2932.8 | 2965.5 | 2998.2 | 3030.8 | 3063.5 | 3096.2 |
| 65° | 2635.9 | 2718.1 | 2800.2 | 2882.3 | 2915.3 | 2948.2 | 2981.2 | 3014.1 | 3047.1 | 3080.0 | 3113.0 |
| 67.5° | 2635.9 | 2719.7 | 2803.4 | 2887.2 | 2920.4 | 2953.7 | 2986.9 | 3020.1 | 3053.4 | 3086.6 | 3119.8 |
| 70° | 2624.4 | 2709.5 | 2794.7 | 2879.8 | 2913.3 | 2946.8 | 2980.3 | 3013.8 | 3047.4 | 3080.9 | 3114.4 |
| 72.5° | 2600.5 | 2687.0 | 2773.5 | 2860.0 | 2893.5 | 2927.0 | 2960.5 | 2994.0 | 3027.6 | 3061.1 | 3094.6 |
| 75° | 2566.7 | 2653.8 | 2740.8 | 2827.9 | 2861.1 | 2894.4 | 2927.6 | 2960.8 | 2994.1 | 3027.3 | 3060.5 |
| 77.5° | 2518.0 | 2604.8 | 2691.6 | 2778.4 | 2811.4 | 2844.3 | 2877.3 | 2910.3 | 2943.2 | 2976.2 | 3009.2 |
| 80° | 2460.4 | 2546.6 | 2632.9 | 2719.1 | 2751.8 | 2784.5 | 2817.2 | 2849.9 | 2882.5 | 2915.2 | 2947.9 |
| 82.5° | 2393.6 | 2478.2 | 2562.8 | 2647.4 | 2679.8 | 2712.2 | 2744.6 | 2777.0 | 2809.5 | 2841.9 | 2874.3 |
| 85° | 2325.3 | 2408.8 | 2492.3 | 2575.8 | 2607.4 | 2639.0 | 2670.5 | 2702.1 | 2733.7 | 2765.3 | 2796.8 |
| 87.5° | 2249.5 | 2331.0 | 2412.6 | 2494.2 | 2525.5 | 2556.8 | 2588.1 | 2619.4 | 2650.8 | 2682.1 | 2713.4 |
| 90° | 2177.0 | 2256.3 | 2335.7 | 2415.1 | 2445.9 | 2476.6 | 2507.4 | 2538.1 | 2568.9 | 2599.6 | 2630.4 |
| 92.5° | 2118.4 | 2195.9 | 2273.3 | 2350.8 | 2380.5 | 2410.1 | 2439.8 | 2469.5 | 2499.1 | 2528.8 | 2558.5 |
| 95° | 2067.3 | 2143.7 | 2220.0 | 2296.4 | 2324.4 | 2352.4 | 2380.5 | 2408.5 | 2436.5 | 2464.5 | 2492.6 |
| 97.5° | 2006.4 | 2080.0 | 2153.6 | 2227.2 | 2255.2 | 2283.2 | 2311.2 | 2339.2 | 2367.3 | 2395.3 | 2423.3 |
| 100° | 1952.0 | 2024.0 | 2095.9 | 2167.9 | 2194.8 | 2221.7 | 2248.6 | 2275.5 | 2302.5 | 2329.4 | 2356.3 |
| 102.5° | 1896.0 | 1966.9 | 2037.7 | 2108.6 | 2134.7 | 2160.8 | 2186.9 | 2213.0 | 2239.0 | 2265.1 | 2291.2 |
| 105° | 1837.5 | 1907.3 | 1977.0 | 2046.8 | 2072.3 | 2097.9 | 2123.4 | 2148.9 | 2174.5 | 2200.0 | 2225.5 |
| 107.5° | 1776.5 | 1844.3 | 1912.2 | 1980.0 | 2005.3 | 2030.5 | 2055.8 | 2081.1 | 2106.3 | 2131.6 | 2156.9 |
| 110° | 1713.9 | 1780.4 | 1846.8 | 1913.3 | 1938.0 | 1962.7 | 1987.4 | 2012.1 | 2036.9 | 2061.6 | 2086.3 |



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CANDELA DISTRIBUTION (continued):

| | 330° | 332.5° | 335° | 337.5° | 340° | 342.5° | 345° | 347.5° | 350° | 352.5° | 355° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1644.6 | 1709.5 | 1774.3 | 1839.1 | 1863.0 | 1886.9 | 1910.8 | 1934.7 | 1958.6 | 1982.5 | 2006.4 |
| 115° | 1573.8 | 1637.6 | 1701.3 | 1765.0 | 1788.1 | 1811.1 | 1834.2 | 1857.3 | 1880.3 | 1903.4 | 1926.5 |
| 117.5° | 1498.8 | 1560.4 | 1621.9 | 1683.4 | 1705.9 | 1728.4 | 1751.0 | 1773.5 | 1796.0 | 1818.5 | 1841.1 |
| 120° | 1422.2 | 1481.2 | 1540.3 | 1599.3 | 1621.3 | 1643.3 | 1665.2 | 1687.2 | 1709.2 | 1731.2 | 1753.1 |
| 122.5° | 1342.2 | 1399.1 | 1455.9 | 1512.8 | 1534.0 | 1555.1 | 1576.3 | 1597.4 | 1618.6 | 1639.7 | 1660.9 |
| 125° | 1258.2 | 1312.6 | 1367.0 | 1421.4 | 1442.0 | 1462.6 | 1483.2 | 1503.8 | 1524.4 | 1545.0 | 1565.6 |
| 127.5° | 1168.4 | 1221.4 | 1274.4 | 1327.4 | 1347.2 | 1367.0 | 1386.7 | 1406.5 | 1426.3 | 1446.1 | 1465.8 |
| 130° | 1072.8 | 1126.4 | 1179.9 | 1233.5 | 1252.2 | 1270.9 | 1289.5 | 1308.2 | 1326.9 | 1345.6 | 1364.2 |
| 132.5° | 975.6 | 1028.6 | 1081.6 | 1134.6 | 1152.7 | 1170.9 | 1189.0 | 1207.1 | 1225.3 | 1243.4 | 1261.5 |
| 135° | 877.6 | 929.5 | 981.4 | 1033.3 | 1050.6 | 1067.9 | 1085.2 | 1102.5 | 1119.8 | 1137.1 | 1154.4 |
| 137.5° | 777.0 | 825.3 | 873.7 | 922.0 | 939.0 | 956.1 | 973.1 | 990.1 | 1007.2 | 1024.2 | 1041.2 |
| 140° | 671.5 | 714.7 | 757.8 | 800.9 | 818.8 | 836.6 | 854.5 | 872.3 | 890.2 | 908.0 | 925.9 |
| 142.5° | 571.0 | 608.9 | 646.8 | 684.7 | 703.4 | 722.1 | 740.7 | 759.4 | 778.1 | 796.8 | 815.4 |
| 145° | 475.4 | 508.1 | 540.8 | 573.5 | 593.3 | 613.1 | 632.8 | 652.6 | 672.4 | 692.2 | 711.9 |
| 147.5° | 389.7 | 417.2 | 444.6 | 472.1 | 492.2 | 512.2 | 532.3 | 552.3 | 572.4 | 592.4 | 612.5 |
| 150° | 310.7 | 334.0 | 357.4 | 380.7 | 399.4 | 418.1 | 436.7 | 455.4 | 474.1 | 492.8 | 511.4 |
| 152.5° | 238.9 | 258.2 | 277.4 | 296.6 | 313.9 | 331.2 | 348.5 | 365.8 | 383.2 | 400.5 | 417.8 |
| 155° | 172.2 | 187.3 | 202.4 | 217.5 | 233.4 | 249.4 | 265.3 | 281.2 | 297.2 | 313.1 | 329.0 |
| 157.5° | 117.0 | 128.3 | 139.5 | 150.8 | 164.3 | 177.7 | 191.2 | 204.6 | 218.1 | 231.5 | 245.0 |
| 160° | 70.1 | 77.2 | 84.4 | 91.5 | 102.2 | 112.9 | 123.6 | 134.3 | 145.1 | 155.8 | 166.5 |
| 162.5° | 34.6 | 38.8 | 42.9 | 47.0 | 54.4 | 61.8 | 69.2 | 76.6 | 84.1 | 91.5 | 98.9 |
| 165° | 12.4 | 14.0 | 15.7 | 17.3 | 21.7 | 26.1 | 30.5 | 34.9 | 39.3 | 43.7 | 48.1 |
| 167.5° | 1.7 | 1.9 | 2.2 | 2.5 | 4.1 | 5.8 | 7.4 | 9.1 | 10.7 | 12.4 | 14.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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):

| | 357.5° | 360° |
|--------|---------------|---------------|
| 0° | 1668.6 | 1668.6 |
| 2.5° | 1694.7 | 1693.3 |
| 5° | 1744.9 | 1745.2 |
| 7.5° | 1786.9 | 1787.2 |
| 10° | 1833.4 | 1834.2 |
| 12.5° | 1888.8 | 1891.0 |
| 15° | 1955.5 | 1960.2 |
| 17.5° | 2026.7 | 2031.9 |
| 20° | 2102.0 | 2108.6 |
| 22.5° | 2175.0 | 2182.7 |
| 25° | 2243.4 | 2251.9 |
| 27.5° | 2313.7 | 2323.6 |
| 30° | 2381.3 | 2392.8 |
| 32.5° | 2449.1 | 2462.0 |
| 35° | 2516.7 | 2531.3 |
| 37.5° | 2581.8 | 2598.0 |
| 40° | 2646.6 | 2664.7 |
| 42.5° | 2711.7 | 2731.5 |
| 45° | 2776.2 | 2798.2 |
| 47.5° | 2841.4 | 2865.0 |
| 50° | 2901.3 | 2926.8 |
| 52.5° | 2961.1 | 2988.6 |
| 55° | 3014.1 | 3042.9 |
| 57.5° | 3061.9 | 3092.4 |
| 60° | 3100.3 | 3131.9 |
| 62.5° | 3128.9 | 3161.6 |
| 65° | 3145.9 | 3178.9 |
| 67.5° | 3153.1 | 3186.3 |
| 70° | 3147.9 | 3181.4 |
| 72.5° | 3128.1 | 3161.6 |
| 75° | 3093.8 | 3127.0 |
| 77.5° | 3042.1 | 3075.1 |
| 80° | 2980.6 | 3013.3 |
| 82.5° | 2906.7 | 2939.1 |
| 85° | 2828.4 | 2860.0 |
| 87.5° | 2744.7 | 2776.0 |
| 90° | 2661.1 | 2691.9 |
| 92.5° | 2588.1 | 2617.8 |
| 95° | 2520.6 | 2548.6 |
| 97.5° | 2451.3 | 2479.3 |
| 100° | 2383.2 | 2410.1 |
| 102.5° | 2317.3 | 2343.4 |
| 105° | 2251.1 | 2276.6 |
| 107.5° | 2182.1 | 2207.4 |
| 110° | 2111.0 | 2135.7 |



TEST NUMBER: P201413

CATALOG NUMBER: 8LBLED-LD4-14-ASYMW-UNV-L850-CD2-U

CANDELA DISTRIBUTION (continued):

| | 357.5° | 360° |
|--------|--------|--------|
| 112.5° | 2030.3 | 2054.2 |
| 115° | 1949.5 | 1972.6 |
| 117.5° | 1863.6 | 1886.1 |
| 120° | 1775.1 | 1797.1 |
| 122.5° | 1682.0 | 1703.2 |
| 125° | 1586.2 | 1606.8 |
| 127.5° | 1485.6 | 1505.4 |
| 130° | 1382.9 | 1401.6 |
| 132.5° | 1279.7 | 1297.8 |
| 135° | 1171.7 | 1189.0 |
| 137.5° | 1058.3 | 1075.3 |
| 140° | 943.7 | 961.6 |
| 142.5° | 834.1 | 852.8 |
| 145° | 731.7 | 751.5 |
| 147.5° | 632.5 | 652.6 |
| 150° | 530.1 | 548.8 |
| 152.5° | 435.1 | 452.4 |
| 155° | 345.0 | 360.9 |
| 157.5° | 258.4 | 271.9 |
| 160° | 177.2 | 187.9 |
| 162.5° | 106.3 | 113.7 |
| 165° | 52.5 | 56.9 |
| 167.5° | 15.7 | 17.3 |
| 170° | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 |

(END OF REPORT)