

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: PORTFOLIO

Report Number: P245885

Luminaire Tested: **LD8B50D010 ER8B50930 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B50D010 ER8B50930 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4207.1 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

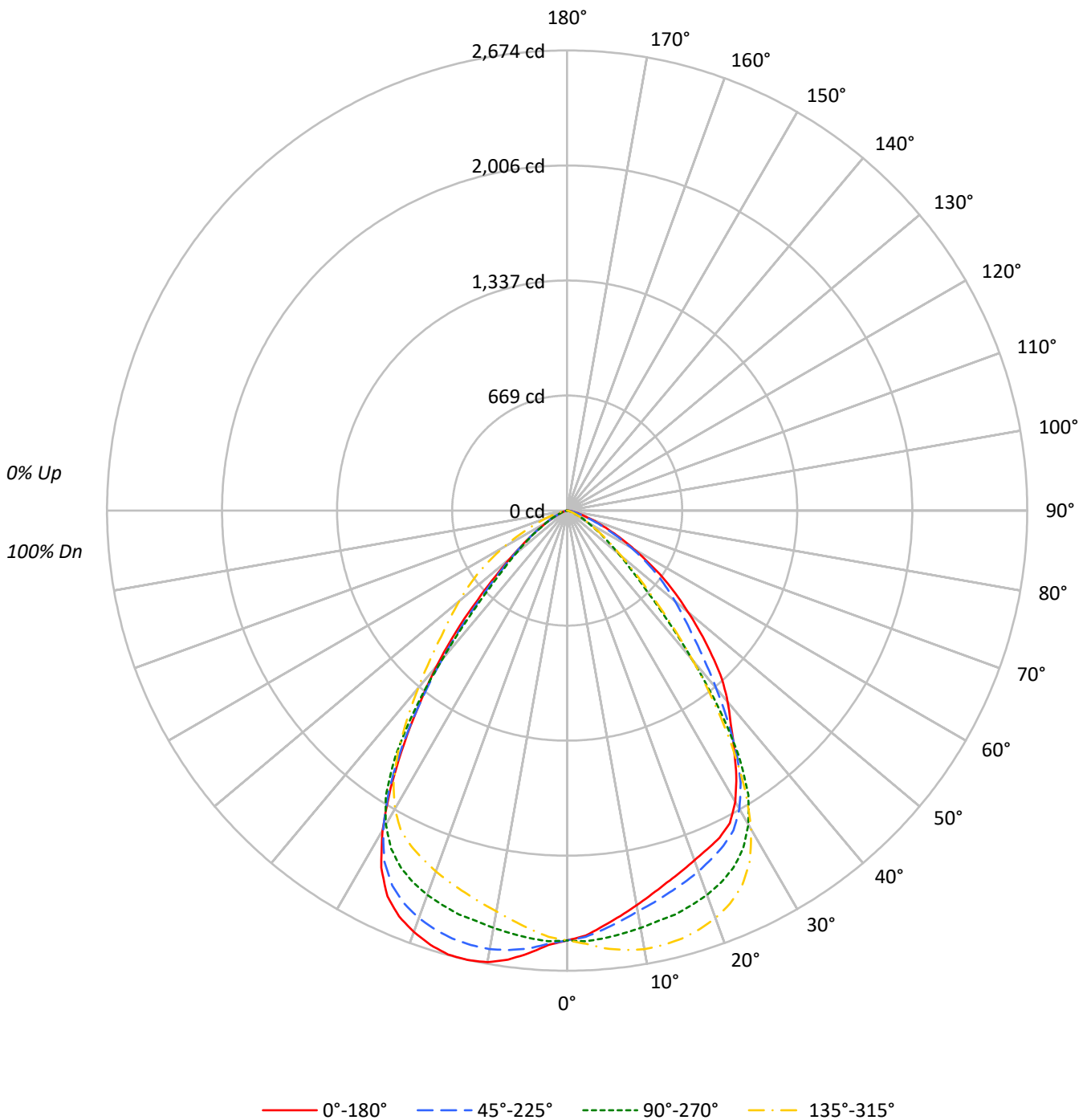
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245885

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Luminous Intensity Polar Plot





TEST NUMBER: P245885

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 109 | 106 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 92 | 90 |
| 2 | 105 | 99 | 94 | 89 | 102 | 97 | 92 | 88 | 93 | 90 | 86 | 90 | 87 | 84 | 87 | 85 | 83 | 81 |
| 3 | 98 | 90 | 83 | 78 | 95 | 88 | 82 | 78 | 85 | 80 | 76 | 83 | 79 | 75 | 80 | 77 | 74 | 72 |
| 4 | 91 | 82 | 75 | 70 | 89 | 80 | 74 | 69 | 78 | 73 | 68 | 76 | 71 | 67 | 74 | 70 | 67 | 65 |
| 5 | 85 | 75 | 68 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 58 |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 55 | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 48 |
| 8 | 70 | 59 | 51 | 46 | 69 | 58 | 51 | 46 | 57 | 50 | 46 | 56 | 50 | 46 | 55 | 49 | 46 | 44 |
| 9 | 66 | 54 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | | | | |
|-----|--|-----|------|------|
| | 0° | 90° | 180° | 270° |
| 0° | Luminaire represents a point source (luminous area is zero). | | | |
| 5° | No luminance values can be calculated. | | | |
| 10° | | | | |
| 15° | | | | |
| 20° | | | | |
| 25° | | | | |
| 30° | | | | |
| 35° | | | | |
| 40° | | | | |
| 45° | | | | |
| 50° | | | | |
| 55° | | | | |
| 60° | | | | |
| 65° | | | | |
| 70° | | | | |
| 75° | | | | |
| 80° | | | | |
| 85° | | | | |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 237.7 | 5.7 |
| 10°-20° | 688.4 | 16.4 |
| 20°-30° | 1042.4 | 24.8 |
| 30°-40° | 1044.7 | 24.8 |
| 40°-50° | 656.0 | 15.6 |
| 50°-60° | 349.6 | 8.3 |
| 60°-70° | 143.8 | 3.4 |
| 70°-80° | 38.0 | 0.9 |
| 80°-90° | 6.4 | 0.2 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1968.5 | 46.8 |
| 0°-40° | 3013.3 | 71.6 |
| 0°-60° | 4018.9 | 95.5 |
| 0°-90° | 4207.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4207.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2498 | 2498 | 2498 | 2498 | 2498 | |
| 5° | 2422 | 2494 | 2583 | 2494 | 2422 | 228 |
| 15° | 2238 | 2429 | 2671 | 2429 | 2238 | 633 |
| 25° | 2096 | 2288 | 2472 | 2288 | 2096 | 961 |
| 35° | 1690 | 1738 | 1649 | 1738 | 1690 | 1059 |
| 45° | 1190 | 637 | 737 | 637 | 1190 | 915 |
| 55° | 677 | 235 | 249 | 235 | 677 | 603 |
| 65° | 270 | 72 | 66 | 72 | 270 | 280 |
| 75° | 76 | 15 | 12 | 15 | 76 | 86 |
| 85° | 16 | 0 | 1 | 0 | 16 | 17 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 |
| 2.5° | 2472.0 | 2469.6 | 2468.3 | 2470.8 | 2472.0 | 2476.8 | 2475.7 | 2478.1 | 2478.1 | 2479.3 | 2481.8 |
| 5° | 2422.0 | 2420.8 | 2422.0 | 2422.0 | 2426.9 | 2431.8 | 2430.6 | 2434.3 | 2436.6 | 2442.8 | 2445.1 |
| 7.5° | 2375.7 | 2375.7 | 2374.4 | 2379.3 | 2381.8 | 2389.1 | 2387.8 | 2394.0 | 2397.6 | 2403.8 | 2412.3 |
| 10° | 2328.1 | 2328.1 | 2329.3 | 2333.0 | 2334.3 | 2345.1 | 2345.1 | 2353.8 | 2358.6 | 2364.7 | 2375.7 |
| 12.5° | 2281.8 | 2281.8 | 2289.1 | 2286.6 | 2291.5 | 2300.1 | 2303.8 | 2312.3 | 2319.6 | 2331.8 | 2342.8 |
| 15° | 2237.9 | 2237.9 | 2240.3 | 2246.4 | 2250.1 | 2261.1 | 2267.1 | 2276.9 | 2285.5 | 2297.6 | 2313.5 |
| 17.5° | 2200.1 | 2198.8 | 2200.1 | 2207.4 | 2214.8 | 2224.4 | 2229.3 | 2241.6 | 2250.1 | 2265.9 | 2280.6 |
| 20° | 2162.3 | 2164.8 | 2164.8 | 2170.8 | 2175.6 | 2187.9 | 2192.7 | 2206.1 | 2215.9 | 2230.6 | 2247.6 |
| 22.5° | 2129.3 | 2128.1 | 2128.1 | 2136.6 | 2140.3 | 2151.3 | 2156.1 | 2168.4 | 2179.3 | 2191.6 | 2207.4 |
| 25° | 2096.4 | 2093.9 | 2098.8 | 2100.1 | 2102.4 | 2114.7 | 2118.4 | 2126.9 | 2137.9 | 2148.8 | 2164.8 |
| 27.5° | 2047.6 | 2045.2 | 2046.4 | 2051.3 | 2054.9 | 2064.7 | 2067.1 | 2075.6 | 2084.2 | 2093.9 | 2107.4 |
| 30° | 1953.7 | 1951.3 | 1950.1 | 1958.6 | 1962.3 | 1969.6 | 1973.2 | 1987.9 | 1990.3 | 2001.3 | 2011.0 |
| 32.5° | 1829.2 | 1828.1 | 1830.6 | 1837.9 | 1841.5 | 1851.3 | 1856.2 | 1864.7 | 1870.7 | 1876.9 | 1886.6 |
| 35° | 1690.4 | 1687.9 | 1690.4 | 1697.6 | 1697.6 | 1706.2 | 1709.9 | 1713.4 | 1712.2 | 1713.4 | 1711.0 |
| 37.5° | 1561.0 | 1559.8 | 1561.0 | 1564.7 | 1561.0 | 1564.7 | 1561.0 | 1553.7 | 1540.4 | 1525.7 | 1511.0 |
| 40° | 1451.2 | 1452.5 | 1445.2 | 1450.0 | 1436.6 | 1434.2 | 1420.8 | 1402.5 | 1375.7 | 1346.4 | 1305.0 |
| 42.5° | 1334.2 | 1330.5 | 1325.7 | 1328.0 | 1317.2 | 1308.5 | 1286.6 | 1263.5 | 1229.3 | 1180.5 | 1130.5 |
| 45° | 1190.3 | 1189.0 | 1186.6 | 1185.5 | 1178.1 | 1169.5 | 1151.3 | 1124.5 | 1086.6 | 1036.6 | 976.8 |
| 47.5° | 1050.0 | 1046.3 | 1046.3 | 1047.6 | 1039.1 | 1037.8 | 1023.1 | 1000.0 | 967.1 | 918.3 | 856.1 |
| 50° | 915.9 | 914.6 | 917.1 | 922.0 | 915.9 | 913.4 | 903.8 | 887.8 | 858.6 | 817.1 | 758.6 |
| 52.5° | 795.1 | 793.9 | 796.4 | 802.4 | 799.9 | 802.4 | 792.8 | 780.6 | 761.0 | 720.7 | 669.6 |
| 55° | 676.9 | 676.9 | 676.9 | 684.1 | 684.1 | 684.1 | 679.3 | 672.0 | 653.7 | 624.4 | 576.9 |
| 57.5° | 553.7 | 554.9 | 562.2 | 563.4 | 562.2 | 564.6 | 563.4 | 556.1 | 543.9 | 523.2 | 486.6 |
| 60° | 450.0 | 450.0 | 453.7 | 457.4 | 456.1 | 457.4 | 457.4 | 453.7 | 441.4 | 424.4 | 395.2 |
| 62.5° | 356.1 | 359.7 | 357.3 | 359.7 | 364.7 | 359.7 | 357.3 | 354.9 | 346.4 | 335.4 | 311.0 |
| 65° | 269.5 | 272.0 | 272.0 | 273.2 | 270.7 | 272.0 | 267.1 | 263.4 | 258.6 | 246.4 | 230.5 |
| 67.5° | 204.9 | 204.9 | 204.9 | 204.9 | 203.7 | 202.5 | 201.2 | 197.6 | 189.0 | 184.2 | 167.0 |
| 70° | 157.3 | 150.0 | 150.0 | 150.0 | 150.0 | 151.2 | 147.6 | 142.7 | 140.2 | 131.7 | 119.5 |
| 72.5° | 104.8 | 107.3 | 104.8 | 104.8 | 102.5 | 103.7 | 98.8 | 96.3 | 93.9 | 89.0 | 81.7 |
| 75° | 75.6 | 69.5 | 72.0 | 73.2 | 69.5 | 72.0 | 67.0 | 62.2 | 62.2 | 58.5 | 54.8 |
| 77.5° | 48.8 | 47.6 | 48.8 | 50.0 | 48.8 | 47.6 | 45.2 | 42.7 | 42.7 | 41.5 | 37.8 |
| 80° | 35.4 | 34.1 | 34.1 | 34.1 | 33.0 | 34.1 | 31.7 | 31.7 | 29.3 | 28.0 | 25.6 |
| 82.5° | 23.2 | 23.2 | 22.0 | 23.2 | 22.0 | 23.2 | 19.5 | 19.5 | 19.5 | 18.3 | 15.9 |
| 85° | 15.9 | 13.5 | 13.5 | 14.7 | 12.2 | 14.7 | 13.5 | 12.2 | 11.0 | 11.0 | 9.8 |
| 87.5° | 7.3 | 8.5 | 7.3 | 8.5 | 7.3 | 7.3 | 8.5 | 7.3 | 7.3 | 4.8 | 4.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P245885

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 |
| 2.5° | 2485.5 | 2486.6 | 2486.6 | 2491.5 | 2494.0 | 2495.1 | 2495.1 | 2505.0 | 2501.3 | 2503.8 | 2506.1 |
| 5° | 2450.1 | 2457.3 | 2459.8 | 2459.8 | 2473.3 | 2478.1 | 2483.0 | 2494.0 | 2495.1 | 2502.5 | 2511.0 |
| 7.5° | 2415.9 | 2424.4 | 2429.3 | 2440.3 | 2448.8 | 2457.3 | 2472.0 | 2479.3 | 2486.6 | 2496.5 | 2507.3 |
| 10° | 2383.0 | 2392.8 | 2402.5 | 2411.0 | 2424.4 | 2435.5 | 2445.1 | 2462.3 | 2470.8 | 2484.2 | 2498.8 |
| 12.5° | 2351.3 | 2364.7 | 2373.3 | 2387.8 | 2402.5 | 2412.3 | 2426.9 | 2442.8 | 2456.1 | 2469.6 | 2486.6 |
| 15° | 2323.3 | 2339.1 | 2348.8 | 2364.7 | 2380.6 | 2394.0 | 2409.8 | 2429.3 | 2439.1 | 2455.0 | 2470.8 |
| 17.5° | 2292.7 | 2309.8 | 2322.0 | 2336.6 | 2356.1 | 2370.8 | 2384.3 | 2403.8 | 2415.9 | 2433.0 | 2451.3 |
| 20° | 2261.1 | 2278.1 | 2292.7 | 2307.4 | 2326.9 | 2341.5 | 2357.4 | 2376.9 | 2390.3 | 2407.3 | 2422.0 |
| 22.5° | 2223.3 | 2239.1 | 2254.9 | 2272.0 | 2291.5 | 2303.8 | 2322.0 | 2339.1 | 2353.8 | 2369.6 | 2384.3 |
| 25° | 2174.4 | 2194.0 | 2206.1 | 2222.0 | 2237.9 | 2251.3 | 2270.8 | 2287.8 | 2300.1 | 2314.8 | 2328.1 |
| 27.5° | 2117.1 | 2131.8 | 2141.6 | 2154.9 | 2170.8 | 2183.0 | 2197.6 | 2214.8 | 2226.9 | 2240.3 | 2250.1 |
| 30° | 2019.6 | 2033.0 | 2041.6 | 2051.3 | 2067.1 | 2078.1 | 2090.3 | 2106.1 | 2114.7 | 2124.4 | 2133.0 |
| 32.5° | 1891.5 | 1902.4 | 1907.4 | 1914.7 | 1925.7 | 1936.6 | 1946.4 | 1959.8 | 1963.4 | 1969.6 | 1969.6 |
| 35° | 1706.2 | 1708.6 | 1707.4 | 1709.9 | 1714.7 | 1720.7 | 1729.3 | 1737.9 | 1742.7 | 1742.7 | 1739.1 |
| 37.5° | 1489.0 | 1474.5 | 1458.6 | 1446.4 | 1442.7 | 1440.3 | 1445.2 | 1448.8 | 1453.7 | 1456.2 | 1450.0 |
| 40° | 1263.5 | 1230.5 | 1195.1 | 1163.4 | 1141.5 | 1131.8 | 1128.1 | 1130.5 | 1130.5 | 1139.0 | 1139.0 |
| 42.5° | 1069.5 | 1018.3 | 965.9 | 918.3 | 886.6 | 862.3 | 851.3 | 851.3 | 852.4 | 858.6 | 862.3 |
| 45° | 908.6 | 843.9 | 782.9 | 730.6 | 686.6 | 654.9 | 640.3 | 636.6 | 635.4 | 637.8 | 646.4 |
| 47.5° | 785.4 | 718.3 | 654.9 | 590.3 | 543.9 | 512.2 | 498.8 | 493.9 | 489.0 | 493.9 | 495.1 |
| 50° | 689.1 | 619.6 | 552.4 | 487.9 | 439.0 | 411.0 | 393.9 | 386.5 | 385.4 | 385.4 | 387.9 |
| 52.5° | 601.2 | 536.6 | 469.6 | 403.7 | 352.4 | 325.7 | 309.7 | 306.1 | 301.2 | 306.1 | 306.1 |
| 55° | 518.2 | 453.7 | 387.9 | 325.7 | 282.9 | 254.9 | 240.2 | 235.4 | 232.9 | 236.5 | 236.5 |
| 57.5° | 428.1 | 373.2 | 312.2 | 256.1 | 213.4 | 193.9 | 182.9 | 176.9 | 175.5 | 178.0 | 175.5 |
| 60° | 351.2 | 304.9 | 252.4 | 201.2 | 168.3 | 147.6 | 139.0 | 136.5 | 134.2 | 136.5 | 136.5 |
| 62.5° | 278.0 | 239.0 | 196.3 | 157.3 | 129.3 | 114.7 | 104.8 | 104.8 | 103.7 | 103.7 | 104.8 |
| 65° | 206.2 | 175.5 | 145.2 | 112.2 | 90.2 | 79.3 | 72.0 | 72.0 | 70.7 | 72.0 | 70.7 |
| 67.5° | 150.0 | 129.3 | 104.8 | 81.7 | 64.7 | 58.5 | 53.7 | 50.0 | 52.5 | 50.0 | 48.8 |
| 70° | 109.7 | 92.7 | 75.6 | 62.2 | 50.0 | 43.9 | 40.2 | 39.0 | 36.5 | 36.5 | 36.5 |
| 72.5° | 73.2 | 62.2 | 51.2 | 40.2 | 33.0 | 26.8 | 25.6 | 23.2 | 20.7 | 22.0 | 24.4 |
| 75° | 48.8 | 41.5 | 36.5 | 29.3 | 22.0 | 22.0 | 14.7 | 14.7 | 12.2 | 14.7 | 11.0 |
| 77.5° | 34.1 | 28.0 | 22.0 | 18.3 | 14.7 | 13.5 | 9.8 | 9.8 | 8.5 | 8.5 | 8.5 |
| 80° | 24.4 | 20.7 | 15.9 | 13.5 | 9.8 | 9.8 | 8.5 | 7.3 | 6.1 | 6.1 | 7.3 |
| 82.5° | 14.7 | 11.0 | 11.0 | 9.8 | 6.1 | 4.8 | 3.7 | 4.8 | 2.5 | 2.5 | 2.5 |
| 85° | 8.5 | 7.3 | 6.1 | 3.7 | 2.5 | 2.5 | 1.2 | 0.0 | 1.2 | 1.2 | 0.0 |
| 87.5° | 4.8 | 2.5 | 2.5 | 1.2 | 0.0 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 2.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 |
| 2.5° | 2512.3 | 2511.0 | 2513.5 | 2513.5 | 2520.8 | 2519.6 | 2523.3 | 2523.3 | 2520.8 | 2522.0 | 2526.8 |
| 5° | 2520.8 | 2524.5 | 2531.8 | 2537.9 | 2548.8 | 2553.8 | 2559.8 | 2566.0 | 2567.2 | 2570.8 | 2574.5 |
| 7.5° | 2520.8 | 2533.0 | 2541.5 | 2552.5 | 2567.2 | 2575.7 | 2589.1 | 2600.0 | 2605.0 | 2611.0 | 2618.3 |
| 10° | 2515.9 | 2528.1 | 2544.0 | 2556.1 | 2574.5 | 2587.9 | 2601.3 | 2618.3 | 2625.7 | 2635.5 | 2645.2 |
| 12.5° | 2506.1 | 2519.6 | 2536.6 | 2552.5 | 2573.3 | 2585.5 | 2602.5 | 2618.3 | 2629.3 | 2642.8 | 2653.7 |
| 15° | 2491.5 | 2507.3 | 2523.3 | 2539.1 | 2561.0 | 2575.7 | 2591.5 | 2609.8 | 2620.8 | 2635.5 | 2645.2 |
| 17.5° | 2468.3 | 2485.5 | 2500.1 | 2514.7 | 2535.5 | 2552.5 | 2567.2 | 2584.2 | 2595.2 | 2607.4 | 2620.8 |
| 20° | 2440.3 | 2456.1 | 2472.0 | 2484.2 | 2505.0 | 2519.6 | 2535.5 | 2551.3 | 2559.8 | 2562.3 | 2583.0 |
| 22.5° | 2405.0 | 2415.9 | 2428.1 | 2447.6 | 2459.8 | 2473.3 | 2487.9 | 2502.5 | 2511.0 | 2524.5 | 2531.8 |
| 25° | 2346.4 | 2357.4 | 2370.8 | 2379.3 | 2394.0 | 2405.0 | 2419.6 | 2435.5 | 2440.3 | 2450.1 | 2457.3 |
| 27.5° | 2264.8 | 2270.8 | 2276.9 | 2284.1 | 2292.7 | 2298.8 | 2307.4 | 2314.8 | 2319.6 | 2324.4 | 2329.3 |
| 30° | 2135.4 | 2135.4 | 2135.4 | 2130.6 | 2134.2 | 2137.9 | 2139.1 | 2137.9 | 2137.9 | 2136.6 | 2136.6 |
| 32.5° | 1964.7 | 1954.9 | 1943.9 | 1934.2 | 1930.6 | 1925.7 | 1923.2 | 1919.6 | 1913.4 | 1909.8 | 1911.0 |
| 35° | 1734.2 | 1712.2 | 1698.9 | 1686.7 | 1676.9 | 1669.6 | 1665.9 | 1662.2 | 1661.0 | 1656.2 | 1651.2 |
| 37.5° | 1446.4 | 1430.5 | 1420.8 | 1413.5 | 1404.9 | 1397.6 | 1398.8 | 1400.0 | 1403.7 | 1401.2 | 1402.5 |
| 40° | 1141.5 | 1137.8 | 1141.5 | 1133.0 | 1130.5 | 1133.0 | 1139.0 | 1147.6 | 1152.5 | 1157.3 | 1165.8 |
| 42.5° | 868.3 | 874.4 | 883.0 | 883.0 | 886.6 | 891.5 | 898.8 | 912.3 | 919.6 | 928.1 | 937.8 |
| 45° | 653.7 | 661.1 | 672.0 | 675.6 | 678.1 | 684.1 | 692.8 | 703.7 | 708.6 | 715.9 | 724.4 |
| 47.5° | 503.7 | 508.6 | 514.7 | 520.7 | 526.9 | 529.3 | 537.9 | 537.9 | 543.9 | 548.8 | 551.2 |
| 50° | 392.7 | 397.6 | 402.4 | 406.1 | 408.6 | 412.2 | 414.7 | 418.2 | 419.5 | 421.9 | 423.2 |
| 52.5° | 307.3 | 313.4 | 313.4 | 315.9 | 319.5 | 323.2 | 322.0 | 323.2 | 324.4 | 324.4 | 328.0 |
| 55° | 240.2 | 240.2 | 243.9 | 243.9 | 246.4 | 245.2 | 246.4 | 246.4 | 246.4 | 246.4 | 247.6 |
| 57.5° | 179.2 | 180.5 | 184.2 | 181.7 | 180.5 | 182.9 | 180.5 | 182.9 | 181.7 | 184.2 | 180.5 |
| 60° | 137.8 | 137.8 | 139.0 | 139.0 | 140.2 | 140.2 | 140.2 | 139.0 | 139.0 | 137.8 | 137.8 |
| 62.5° | 103.7 | 104.8 | 106.2 | 104.8 | 104.8 | 104.8 | 103.7 | 103.7 | 102.5 | 101.2 | 101.2 |
| 65° | 69.5 | 68.3 | 70.7 | 68.3 | 69.5 | 69.5 | 68.3 | 69.5 | 65.9 | 67.0 | 65.9 |
| 67.5° | 50.0 | 48.8 | 47.6 | 48.8 | 47.6 | 46.3 | 46.3 | 47.6 | 48.8 | 45.2 | 45.2 |
| 70° | 33.0 | 34.1 | 33.0 | 34.1 | 35.4 | 35.4 | 34.1 | 33.0 | 34.1 | 31.7 | 33.0 |
| 72.5° | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 22.0 | 22.0 | 22.0 | 19.5 | 19.5 | 18.3 |
| 75° | 9.8 | 13.5 | 11.0 | 9.8 | 13.5 | 13.5 | 12.2 | 12.2 | 11.0 | 11.0 | 11.0 |
| 77.5° | 9.8 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 6.1 | 7.3 | 6.1 |
| 80° | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 | 6.1 | 4.8 | 4.8 | 3.7 | 6.1 |
| 82.5° | 2.5 | 2.5 | 2.5 | 0.0 | 1.2 | 2.5 | 2.5 | 1.2 | 2.5 | 2.5 | 1.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P245885

CATALOG NUMBER: LD8B50D010 ER8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 |
| 2.5° | 2525.7 | 2524.5 | 2525.7 | 2526.8 | 2525.7 | 2524.5 | 2525.7 | 2526.8 | 2522.0 | 2520.8 | 2523.3 |
| 5° | 2579.3 | 2579.3 | 2581.8 | 2583.0 | 2581.8 | 2579.3 | 2579.3 | 2574.5 | 2570.8 | 2567.2 | 2566.0 |
| 7.5° | 2625.7 | 2628.2 | 2630.5 | 2631.8 | 2630.5 | 2628.2 | 2625.7 | 2618.3 | 2611.0 | 2605.0 | 2600.0 |
| 10° | 2653.7 | 2657.4 | 2662.3 | 2664.7 | 2662.3 | 2657.4 | 2653.7 | 2645.2 | 2635.5 | 2625.7 | 2618.3 |
| 12.5° | 2666.0 | 2669.7 | 2675.7 | 2674.5 | 2675.7 | 2669.7 | 2666.0 | 2653.7 | 2642.8 | 2629.3 | 2618.3 |
| 15° | 2657.4 | 2662.3 | 2668.3 | 2670.8 | 2668.3 | 2662.3 | 2657.4 | 2645.2 | 2635.5 | 2620.8 | 2609.8 |
| 17.5° | 2630.5 | 2637.9 | 2641.5 | 2645.2 | 2641.5 | 2637.9 | 2630.5 | 2620.8 | 2607.4 | 2595.2 | 2584.2 |
| 20° | 2594.0 | 2598.9 | 2603.7 | 2605.0 | 2603.7 | 2598.9 | 2594.0 | 2583.0 | 2562.3 | 2559.8 | 2551.3 |
| 22.5° | 2541.5 | 2545.2 | 2556.1 | 2552.5 | 2556.1 | 2545.2 | 2541.5 | 2531.8 | 2524.5 | 2511.0 | 2502.5 |
| 25° | 2465.9 | 2469.6 | 2470.8 | 2472.0 | 2470.8 | 2469.6 | 2465.9 | 2457.3 | 2450.1 | 2440.3 | 2435.5 |
| 27.5° | 2335.5 | 2335.5 | 2337.8 | 2339.1 | 2337.8 | 2335.5 | 2335.5 | 2329.3 | 2324.4 | 2319.6 | 2314.8 |
| 30° | 2137.9 | 2137.9 | 2137.9 | 2144.0 | 2137.9 | 2137.9 | 2137.9 | 2136.6 | 2136.6 | 2137.9 | 2137.9 |
| 32.5° | 1909.8 | 1907.4 | 1904.9 | 1907.4 | 1904.9 | 1907.4 | 1909.8 | 1911.0 | 1909.8 | 1913.4 | 1919.6 |
| 35° | 1651.2 | 1650.0 | 1653.7 | 1648.9 | 1653.7 | 1650.0 | 1651.2 | 1651.2 | 1656.2 | 1661.0 | 1662.2 |
| 37.5° | 1403.7 | 1401.2 | 1406.2 | 1401.2 | 1406.2 | 1401.2 | 1403.7 | 1402.5 | 1401.2 | 1403.7 | 1400.0 |
| 40° | 1168.3 | 1170.8 | 1170.8 | 1180.5 | 1170.8 | 1170.8 | 1168.3 | 1165.8 | 1157.3 | 1152.5 | 1147.6 |
| 42.5° | 942.8 | 950.0 | 947.6 | 954.9 | 947.6 | 950.0 | 942.8 | 937.8 | 928.1 | 919.6 | 912.3 |
| 45° | 729.3 | 734.1 | 734.1 | 736.6 | 734.1 | 734.1 | 729.3 | 724.4 | 715.9 | 708.6 | 703.7 |
| 47.5° | 559.7 | 559.7 | 559.7 | 561.1 | 559.7 | 559.7 | 559.7 | 551.2 | 548.8 | 543.9 | 537.9 |
| 50° | 425.6 | 426.9 | 428.1 | 429.3 | 428.1 | 426.9 | 425.6 | 423.2 | 421.9 | 419.5 | 418.2 |
| 52.5° | 326.9 | 328.0 | 325.7 | 328.0 | 325.7 | 328.0 | 326.9 | 328.0 | 324.4 | 324.4 | 323.2 |
| 55° | 247.6 | 246.4 | 247.6 | 248.7 | 247.6 | 246.4 | 247.6 | 247.6 | 246.4 | 246.4 | 246.4 |
| 57.5° | 181.7 | 179.2 | 179.2 | 179.2 | 179.2 | 179.2 | 181.7 | 180.5 | 184.2 | 181.7 | 182.9 |
| 60° | 135.4 | 136.5 | 136.5 | 137.8 | 136.5 | 136.5 | 135.4 | 137.8 | 137.8 | 139.0 | 139.0 |
| 62.5° | 100.0 | 103.7 | 101.2 | 103.7 | 101.2 | 103.7 | 100.0 | 101.2 | 101.2 | 102.5 | 103.7 |
| 65° | 64.7 | 64.7 | 64.7 | 65.9 | 64.7 | 64.7 | 64.7 | 65.9 | 67.0 | 65.9 | 69.5 |
| 67.5° | 43.9 | 45.2 | 47.6 | 46.3 | 47.6 | 45.2 | 43.9 | 45.2 | 45.2 | 48.8 | 47.6 |
| 70° | 35.4 | 31.7 | 31.7 | 35.4 | 31.7 | 31.7 | 35.4 | 33.0 | 31.7 | 34.1 | 33.0 |
| 72.5° | 20.7 | 18.3 | 20.7 | 20.7 | 20.7 | 18.3 | 20.7 | 18.3 | 19.5 | 19.5 | 22.0 |
| 75° | 11.0 | 9.8 | 8.5 | 12.2 | 8.5 | 9.8 | 11.0 | 11.0 | 11.0 | 11.0 | 12.2 |
| 77.5° | 7.3 | 6.1 | 8.5 | 8.5 | 8.5 | 6.1 | 7.3 | 6.1 | 7.3 | 6.1 | 7.3 |
| 80° | 3.7 | 4.8 | 3.7 | 6.1 | 3.7 | 4.8 | 3.7 | 6.1 | 3.7 | 4.8 | 4.8 |
| 82.5° | 1.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.2 | 1.2 | 2.5 | 2.5 | 1.2 |
| 85° | 0.0 | 2.5 | 1.2 | 1.2 | 1.2 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P245885

CATALOG NUMBER: LD8B50D010 ER8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 |
| 2.5° | 2523.3 | 2519.6 | 2520.8 | 2513.5 | 2513.5 | 2511.0 | 2512.3 | 2506.1 | 2503.8 | 2501.3 | 2505.0 |
| 5° | 2559.8 | 2553.8 | 2548.8 | 2537.9 | 2531.8 | 2524.5 | 2520.8 | 2511.0 | 2502.5 | 2495.1 | 2494.0 |
| 7.5° | 2589.1 | 2575.7 | 2567.2 | 2552.5 | 2541.5 | 2533.0 | 2520.8 | 2507.3 | 2496.5 | 2486.6 | 2479.3 |
| 10° | 2601.3 | 2587.9 | 2574.5 | 2556.1 | 2544.0 | 2528.1 | 2515.9 | 2498.8 | 2484.2 | 2470.8 | 2462.3 |
| 12.5° | 2602.5 | 2585.5 | 2573.3 | 2552.5 | 2536.6 | 2519.6 | 2506.1 | 2486.6 | 2469.6 | 2456.1 | 2442.8 |
| 15° | 2591.5 | 2575.7 | 2561.0 | 2539.1 | 2523.3 | 2507.3 | 2491.5 | 2470.8 | 2455.0 | 2439.1 | 2429.3 |
| 17.5° | 2567.2 | 2552.5 | 2535.5 | 2514.7 | 2500.1 | 2485.5 | 2468.3 | 2451.3 | 2433.0 | 2415.9 | 2403.8 |
| 20° | 2535.5 | 2519.6 | 2505.0 | 2484.2 | 2472.0 | 2456.1 | 2440.3 | 2422.0 | 2407.3 | 2390.3 | 2376.9 |
| 22.5° | 2487.9 | 2473.3 | 2459.8 | 2447.6 | 2428.1 | 2415.9 | 2405.0 | 2384.3 | 2369.6 | 2353.8 | 2339.1 |
| 25° | 2419.6 | 2405.0 | 2394.0 | 2379.3 | 2370.8 | 2357.4 | 2346.4 | 2328.1 | 2314.8 | 2300.1 | 2287.8 |
| 27.5° | 2307.4 | 2298.8 | 2292.7 | 2284.1 | 2276.9 | 2270.8 | 2264.8 | 2250.1 | 2240.3 | 2226.9 | 2214.8 |
| 30° | 2139.1 | 2137.9 | 2134.2 | 2130.6 | 2135.4 | 2135.4 | 2135.4 | 2133.0 | 2124.4 | 2114.7 | 2106.1 |
| 32.5° | 1923.2 | 1925.7 | 1930.6 | 1934.2 | 1943.9 | 1954.9 | 1964.7 | 1969.6 | 1969.6 | 1963.4 | 1959.8 |
| 35° | 1665.9 | 1669.6 | 1676.9 | 1686.7 | 1698.9 | 1712.2 | 1734.2 | 1739.1 | 1742.7 | 1742.7 | 1737.9 |
| 37.5° | 1398.8 | 1397.6 | 1404.9 | 1413.5 | 1420.8 | 1430.5 | 1446.4 | 1450.0 | 1456.2 | 1453.7 | 1448.8 |
| 40° | 1139.0 | 1133.0 | 1130.5 | 1133.0 | 1141.5 | 1137.8 | 1141.5 | 1139.0 | 1139.0 | 1130.5 | 1130.5 |
| 42.5° | 898.8 | 891.5 | 886.6 | 883.0 | 883.0 | 874.4 | 868.3 | 862.3 | 858.6 | 852.4 | 851.3 |
| 45° | 692.8 | 684.1 | 678.1 | 675.6 | 672.0 | 661.1 | 653.7 | 646.4 | 637.8 | 635.4 | 636.6 |
| 47.5° | 537.9 | 529.3 | 526.9 | 520.7 | 514.7 | 508.6 | 503.7 | 495.1 | 493.9 | 489.0 | 493.9 |
| 50° | 414.7 | 412.2 | 408.6 | 406.1 | 402.4 | 397.6 | 392.7 | 387.9 | 385.4 | 385.4 | 386.5 |
| 52.5° | 322.0 | 323.2 | 319.5 | 315.9 | 313.4 | 313.4 | 307.3 | 306.1 | 306.1 | 301.2 | 306.1 |
| 55° | 246.4 | 245.2 | 246.4 | 243.9 | 243.9 | 240.2 | 240.2 | 236.5 | 236.5 | 232.9 | 235.4 |
| 57.5° | 180.5 | 182.9 | 180.5 | 181.7 | 184.2 | 180.5 | 179.2 | 175.5 | 178.0 | 175.5 | 176.9 |
| 60° | 140.2 | 140.2 | 140.2 | 139.0 | 139.0 | 137.8 | 137.8 | 136.5 | 136.5 | 134.2 | 136.5 |
| 62.5° | 103.7 | 104.8 | 104.8 | 104.8 | 106.2 | 104.8 | 103.7 | 104.8 | 103.7 | 103.7 | 104.8 |
| 65° | 68.3 | 69.5 | 69.5 | 68.3 | 70.7 | 68.3 | 69.5 | 70.7 | 72.0 | 70.7 | 72.0 |
| 67.5° | 46.3 | 46.3 | 47.6 | 48.8 | 47.6 | 48.8 | 50.0 | 48.8 | 50.0 | 52.5 | 50.0 |
| 70° | 34.1 | 35.4 | 35.4 | 34.1 | 33.0 | 34.1 | 33.0 | 36.5 | 36.5 | 36.5 | 39.0 |
| 72.5° | 22.0 | 22.0 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 24.4 | 22.0 | 20.7 | 23.2 |
| 75° | 12.2 | 13.5 | 13.5 | 9.8 | 11.0 | 13.5 | 9.8 | 11.0 | 14.7 | 12.2 | 14.7 |
| 77.5° | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 9.8 | 8.5 | 8.5 | 8.5 | 9.8 |
| 80° | 6.1 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 | 4.8 | 7.3 | 6.1 | 6.1 | 7.3 |
| 82.5° | 2.5 | 2.5 | 1.2 | 0.0 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 4.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P245885

CATALOG NUMBER: LD8B50D010 ER8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 |
| 2.5° | 2495.1 | 2495.1 | 2494.0 | 2491.5 | 2486.6 | 2486.6 | 2485.5 | 2481.8 | 2479.3 | 2478.1 | 2478.1 |
| 5° | 2483.0 | 2478.1 | 2473.3 | 2459.8 | 2459.8 | 2457.3 | 2450.1 | 2445.1 | 2442.8 | 2436.6 | 2434.3 |
| 7.5° | 2472.0 | 2457.3 | 2448.8 | 2440.3 | 2429.3 | 2424.4 | 2415.9 | 2412.3 | 2403.8 | 2397.6 | 2394.0 |
| 10° | 2445.1 | 2435.5 | 2424.4 | 2411.0 | 2402.5 | 2392.8 | 2383.0 | 2375.7 | 2364.7 | 2358.6 | 2353.8 |
| 12.5° | 2426.9 | 2412.3 | 2402.5 | 2387.8 | 2373.3 | 2364.7 | 2351.3 | 2342.8 | 2331.8 | 2319.6 | 2312.3 |
| 15° | 2409.8 | 2394.0 | 2380.6 | 2364.7 | 2348.8 | 2339.1 | 2323.3 | 2313.5 | 2297.6 | 2285.5 | 2276.9 |
| 17.5° | 2384.3 | 2370.8 | 2356.1 | 2336.6 | 2322.0 | 2309.8 | 2292.7 | 2280.6 | 2265.9 | 2250.1 | 2241.6 |
| 20° | 2357.4 | 2341.5 | 2326.9 | 2307.4 | 2292.7 | 2278.1 | 2261.1 | 2247.6 | 2230.6 | 2215.9 | 2206.1 |
| 22.5° | 2322.0 | 2303.8 | 2291.5 | 2272.0 | 2254.9 | 2239.1 | 2223.3 | 2207.4 | 2191.6 | 2179.3 | 2168.4 |
| 25° | 2270.8 | 2251.3 | 2237.9 | 2222.0 | 2206.1 | 2194.0 | 2174.4 | 2164.8 | 2148.8 | 2137.9 | 2126.9 |
| 27.5° | 2197.6 | 2183.0 | 2170.8 | 2154.9 | 2141.6 | 2131.8 | 2117.1 | 2107.4 | 2093.9 | 2084.2 | 2075.6 |
| 30° | 2090.3 | 2078.1 | 2067.1 | 2051.3 | 2041.6 | 2033.0 | 2019.6 | 2011.0 | 2001.3 | 1990.3 | 1987.9 |
| 32.5° | 1946.4 | 1936.6 | 1925.7 | 1914.7 | 1907.4 | 1902.4 | 1891.5 | 1886.6 | 1876.9 | 1870.7 | 1864.7 |
| 35° | 1729.3 | 1720.7 | 1714.7 | 1709.9 | 1707.4 | 1708.6 | 1706.2 | 1711.0 | 1713.4 | 1712.2 | 1713.4 |
| 37.5° | 1445.2 | 1440.3 | 1442.7 | 1446.4 | 1458.6 | 1474.5 | 1489.0 | 1511.0 | 1525.7 | 1540.4 | 1553.7 |
| 40° | 1128.1 | 1131.8 | 1141.5 | 1163.4 | 1195.1 | 1230.5 | 1263.5 | 1305.0 | 1346.4 | 1375.7 | 1402.5 |
| 42.5° | 851.3 | 862.3 | 886.6 | 918.3 | 965.9 | 1018.3 | 1069.5 | 1130.5 | 1180.5 | 1229.3 | 1263.5 |
| 45° | 640.3 | 654.9 | 686.6 | 730.6 | 782.9 | 843.9 | 908.6 | 976.8 | 1036.6 | 1086.6 | 1124.5 |
| 47.5° | 498.8 | 512.2 | 543.9 | 590.3 | 654.9 | 718.3 | 785.4 | 856.1 | 918.3 | 967.1 | 1000.0 |
| 50° | 393.9 | 411.0 | 439.0 | 487.9 | 552.4 | 619.6 | 689.1 | 758.6 | 817.1 | 858.6 | 887.8 |
| 52.5° | 309.7 | 325.7 | 352.4 | 403.7 | 469.6 | 536.6 | 601.2 | 669.6 | 720.7 | 761.0 | 780.6 |
| 55° | 240.2 | 254.9 | 282.9 | 325.7 | 387.9 | 453.7 | 518.2 | 576.9 | 624.4 | 653.7 | 672.0 |
| 57.5° | 182.9 | 193.9 | 213.4 | 256.1 | 312.2 | 373.2 | 428.1 | 486.6 | 523.2 | 543.9 | 556.1 |
| 60° | 139.0 | 147.6 | 168.3 | 201.2 | 252.4 | 304.9 | 351.2 | 395.2 | 424.4 | 441.4 | 453.7 |
| 62.5° | 104.8 | 114.7 | 129.3 | 157.3 | 196.3 | 239.0 | 278.0 | 311.0 | 335.4 | 346.4 | 354.9 |
| 65° | 72.0 | 79.3 | 90.2 | 112.2 | 145.2 | 175.5 | 206.2 | 230.5 | 246.4 | 258.6 | 263.4 |
| 67.5° | 53.7 | 58.5 | 64.7 | 81.7 | 104.8 | 129.3 | 150.0 | 167.0 | 184.2 | 189.0 | 197.6 |
| 70° | 40.2 | 43.9 | 50.0 | 62.2 | 75.6 | 92.7 | 109.7 | 119.5 | 131.7 | 140.2 | 142.7 |
| 72.5° | 25.6 | 26.8 | 33.0 | 40.2 | 51.2 | 62.2 | 73.2 | 81.7 | 89.0 | 93.9 | 96.3 |
| 75° | 14.7 | 22.0 | 22.0 | 29.3 | 36.5 | 41.5 | 48.8 | 54.8 | 58.5 | 62.2 | 62.2 |
| 77.5° | 9.8 | 13.5 | 14.7 | 18.3 | 22.0 | 28.0 | 34.1 | 37.8 | 41.5 | 42.7 | 42.7 |
| 80° | 8.5 | 9.8 | 9.8 | 13.5 | 15.9 | 20.7 | 24.4 | 25.6 | 28.0 | 29.3 | 31.7 |
| 82.5° | 3.7 | 4.8 | 6.1 | 9.8 | 11.0 | 11.0 | 14.7 | 15.9 | 18.3 | 19.5 | 19.5 |
| 85° | 1.2 | 2.5 | 2.5 | 3.7 | 6.1 | 7.3 | 8.5 | 9.8 | 11.0 | 11.0 | 12.2 |
| 87.5° | 1.2 | 1.2 | 0.0 | 1.2 | 2.5 | 2.5 | 4.8 | 4.8 | 4.8 | 7.3 | 7.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P245885

CATALOG NUMBER: LD8B50D010 ER8B50930 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 | 2497.6 |
| 2.5° | 2475.7 | 2476.8 | 2472.0 | 2470.8 | 2468.3 | 2469.6 | 2472.0 |
| 5° | 2430.6 | 2431.8 | 2426.9 | 2422.0 | 2422.0 | 2420.8 | 2422.0 |
| 7.5° | 2387.8 | 2389.1 | 2381.8 | 2379.3 | 2374.4 | 2375.7 | 2375.7 |
| 10° | 2345.1 | 2345.1 | 2334.3 | 2333.0 | 2329.3 | 2328.1 | 2328.1 |
| 12.5° | 2303.8 | 2300.1 | 2291.5 | 2286.6 | 2289.1 | 2281.8 | 2281.8 |
| 15° | 2267.1 | 2261.1 | 2250.1 | 2246.4 | 2240.3 | 2237.9 | 2237.9 |
| 17.5° | 2229.3 | 2224.4 | 2214.8 | 2207.4 | 2200.1 | 2198.8 | 2200.1 |
| 20° | 2192.7 | 2187.9 | 2175.6 | 2170.8 | 2164.8 | 2164.8 | 2162.3 |
| 22.5° | 2156.1 | 2151.3 | 2140.3 | 2136.6 | 2128.1 | 2128.1 | 2129.3 |
| 25° | 2118.4 | 2114.7 | 2102.4 | 2100.1 | 2098.8 | 2093.9 | 2096.4 |
| 27.5° | 2067.1 | 2064.7 | 2054.9 | 2051.3 | 2046.4 | 2045.2 | 2047.6 |
| 30° | 1973.2 | 1969.6 | 1962.3 | 1958.6 | 1950.1 | 1951.3 | 1953.7 |
| 32.5° | 1856.2 | 1851.3 | 1841.5 | 1837.9 | 1830.6 | 1828.1 | 1829.2 |
| 35° | 1709.9 | 1706.2 | 1697.6 | 1697.6 | 1690.4 | 1687.9 | 1690.4 |
| 37.5° | 1561.0 | 1564.7 | 1561.0 | 1564.7 | 1561.0 | 1559.8 | 1561.0 |
| 40° | 1420.8 | 1434.2 | 1436.6 | 1450.0 | 1445.2 | 1452.5 | 1451.2 |
| 42.5° | 1286.6 | 1308.5 | 1317.2 | 1328.0 | 1325.7 | 1330.5 | 1334.2 |
| 45° | 1151.3 | 1169.5 | 1178.1 | 1185.5 | 1186.6 | 1189.0 | 1190.3 |
| 47.5° | 1023.1 | 1037.8 | 1039.1 | 1047.6 | 1046.3 | 1046.3 | 1050.0 |
| 50° | 903.8 | 913.4 | 915.9 | 922.0 | 917.1 | 914.6 | 915.9 |
| 52.5° | 792.8 | 802.4 | 799.9 | 802.4 | 796.4 | 793.9 | 795.1 |
| 55° | 679.3 | 684.1 | 684.1 | 684.1 | 676.9 | 676.9 | 676.9 |
| 57.5° | 563.4 | 564.6 | 562.2 | 563.4 | 562.2 | 554.9 | 553.7 |
| 60° | 457.4 | 457.4 | 456.1 | 457.4 | 453.7 | 450.0 | 450.0 |
| 62.5° | 357.3 | 359.7 | 364.7 | 359.7 | 357.3 | 359.7 | 356.1 |
| 65° | 267.1 | 272.0 | 270.7 | 273.2 | 272.0 | 272.0 | 269.5 |
| 67.5° | 201.2 | 202.5 | 203.7 | 204.9 | 204.9 | 204.9 | 204.9 |
| 70° | 147.6 | 151.2 | 150.0 | 150.0 | 150.0 | 150.0 | 157.3 |
| 72.5° | 98.8 | 103.7 | 102.5 | 104.8 | 104.8 | 107.3 | 104.8 |
| 75° | 67.0 | 72.0 | 69.5 | 73.2 | 72.0 | 69.5 | 75.6 |
| 77.5° | 45.2 | 47.6 | 48.8 | 50.0 | 48.8 | 47.6 | 48.8 |
| 80° | 31.7 | 34.1 | 33.0 | 34.1 | 34.1 | 34.1 | 35.4 |
| 82.5° | 19.5 | 23.2 | 22.0 | 23.2 | 22.0 | 23.2 | 23.2 |
| 85° | 13.5 | 14.7 | 12.2 | 14.7 | 13.5 | 13.5 | 15.9 |
| 87.5° | 8.5 | 7.3 | 7.3 | 8.5 | 7.3 | 8.5 | 7.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)