

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: P246010

Luminaire Tested: **LD8B40D010 ER8B40940 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246010  
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: LD8B40D010 ER8B40940 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3878.0 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

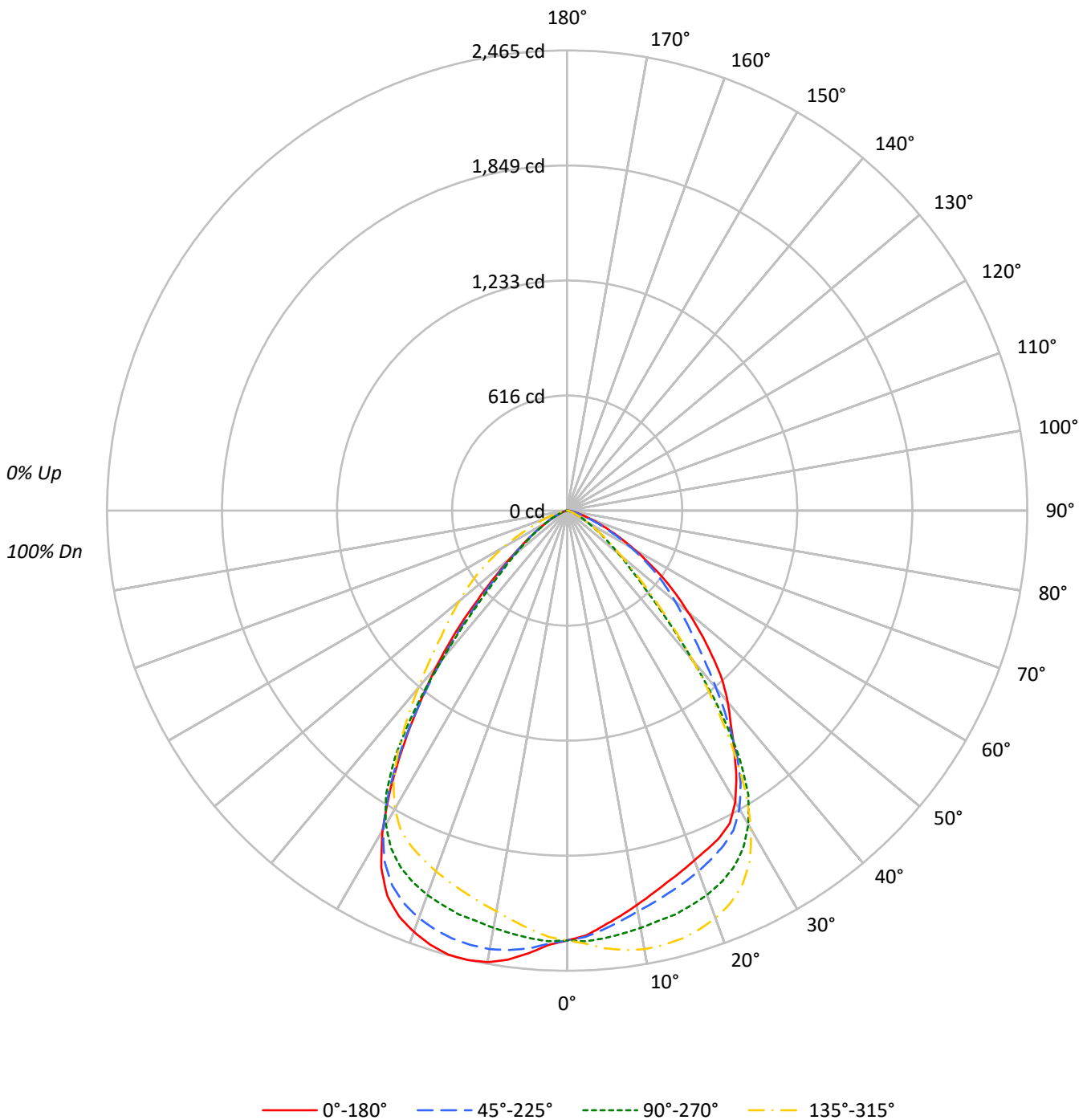
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  | 0   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 112 | 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°  | 70991 | 70991 | 70991 | 70991 |
| 5°  | 69108 | 71160 | 73702 | 71160 |
| 10° | 67196 | 71066 | 76909 | 71066 |
| 15° | 65853 | 71488 | 78594 | 71488 |
| 20° | 65404 | 71898 | 78796 | 71898 |
| 25° | 65748 | 71753 | 77527 | 71753 |
| 30° | 64124 | 69127 | 70370 | 69127 |
| 35° | 58653 | 60302 | 57215 | 60302 |
| 40° | 53848 | 41949 | 43804 | 41949 |
| 45° | 47848 | 25590 | 29611 | 25590 |
| 50° | 40499 | 17093 | 18983 | 17093 |
| 55° | 33542 | 11666 | 12328 | 11666 |
| 60° | 25582 | 7765  | 7832  | 7765  |
| 65° | 18124 | 4838  | 4429  | 4838  |
| 70° | 13073 | 3246  | 2939  | 3246  |
| 75° | 8304  | 1608  | 1334  | 1608  |
| 80° | 5789  | 1208  | 994   | 1208  |
| 85° | 5166  | 0     | 389   | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 219.1  | 5.7       |
| 10°-20°   | 634.6  | 16.4      |
| 20°-30°   | 960.9  | 24.8      |
| 30°-40°   | 963.0  | 24.8      |
| 40°-50°   | 604.7  | 15.6      |
| 50°-60°   | 322.3  | 8.3       |
| 60°-70°   | 132.5  | 3.4       |
| 70°-80°   | 35.0   | 0.9       |
| 80°-90°   | 5.9    | 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°    | 1814.6 | 46.8      |
| 0°-40°    | 2777.6 | 71.6      |
| 0°-60°    | 3704.6 | 95.5      |
| 0°-90°    | 3878.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3878.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2302 | 2302 | 2302 | 2302 | 2302 |      |
| 5°  | 2233 | 2299 | 2381 | 2299 | 2233 | 211  |
| 15° | 2063 | 2239 | 2462 | 2239 | 2063 | 583  |
| 25° | 1932 | 2109 | 2279 | 2109 | 1932 | 886  |
| 35° | 1558 | 1602 | 1520 | 1602 | 1558 | 976  |
| 45° | 1097 | 587  | 679  | 587  | 1097 | 844  |
| 55° | 624  | 217  | 229  | 217  | 624  | 556  |
| 65° | 248  | 66   | 61   | 66   | 248  | 258  |
| 75° | 70   | 14   | 11   | 14   | 70   | 79   |
| 85° | 15   | 0    | 1    | 0    | 15   | 16   |
| 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°    | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 |
| 2.5°  | 2278.6 | 2276.4 | 2275.3 | 2277.5 | 2278.6 | 2283.1 | 2282.0 | 2284.2 | 2284.2 | 2285.4 | 2287.6 |
| 5°    | 2232.6 | 2231.4 | 2232.6 | 2232.6 | 2237.1 | 2241.5 | 2240.4 | 2243.8 | 2246.0 | 2251.7 | 2253.9 |
| 7.5°  | 2189.9 | 2189.9 | 2188.7 | 2193.2 | 2195.5 | 2202.2 | 2201.1 | 2206.7 | 2210.1 | 2215.7 | 2223.5 |
| 10°   | 2146.0 | 2146.0 | 2147.1 | 2150.5 | 2151.6 | 2161.7 | 2161.7 | 2169.6 | 2174.1 | 2179.7 | 2189.9 |
| 12.5° | 2103.3 | 2103.3 | 2110.0 | 2107.8 | 2112.3 | 2120.1 | 2123.5 | 2131.4 | 2138.1 | 2149.4 | 2159.5 |
| 15°   | 2062.8 | 2062.8 | 2065.1 | 2070.7 | 2074.0 | 2084.2 | 2089.8 | 2098.8 | 2106.7 | 2117.9 | 2132.5 |
| 17.5° | 2028.0 | 2026.8 | 2028.0 | 2034.7 | 2041.5 | 2050.4 | 2054.9 | 2066.2 | 2074.0 | 2088.7 | 2102.2 |
| 20°   | 1993.1 | 1995.4 | 1995.4 | 2001.0 | 2005.5 | 2016.7 | 2021.2 | 2033.6 | 2042.6 | 2056.0 | 2071.8 |
| 22.5° | 1962.8 | 1961.6 | 1961.6 | 1969.5 | 1972.9 | 1983.0 | 1987.5 | 1998.7 | 2008.8 | 2020.1 | 2034.7 |
| 25°   | 1932.4 | 1930.1 | 1934.7 | 1935.8 | 1938.0 | 1949.2 | 1952.6 | 1960.5 | 1970.6 | 1980.8 | 1995.4 |
| 27.5° | 1887.4 | 1885.2 | 1886.3 | 1890.8 | 1894.2 | 1903.2 | 1905.4 | 1913.3 | 1921.2 | 1930.1 | 1942.5 |
| 30°   | 1800.9 | 1798.6 | 1797.5 | 1805.4 | 1808.8 | 1815.5 | 1818.9 | 1832.4 | 1834.6 | 1844.7 | 1853.7 |
| 32.5° | 1686.2 | 1685.1 | 1687.4 | 1694.1 | 1697.4 | 1706.5 | 1711.0 | 1718.8 | 1724.4 | 1730.1 | 1739.0 |
| 35°   | 1558.1 | 1555.8 | 1558.1 | 1564.8 | 1564.8 | 1572.7 | 1576.1 | 1579.4 | 1578.3 | 1579.4 | 1577.2 |
| 37.5° | 1438.9 | 1437.8 | 1438.9 | 1442.3 | 1438.9 | 1442.3 | 1438.9 | 1432.2 | 1419.8 | 1406.3 | 1392.8 |
| 40°   | 1337.7 | 1338.8 | 1332.1 | 1336.6 | 1324.2 | 1322.0 | 1309.6 | 1292.8 | 1268.0 | 1241.1 | 1202.9 |
| 42.5° | 1229.8 | 1226.5 | 1222.0 | 1224.2 | 1214.1 | 1206.2 | 1186.0 | 1164.6 | 1133.1 | 1088.2 | 1042.1 |
| 45°   | 1097.2 | 1096.1 | 1093.8 | 1092.7 | 1085.9 | 1078.1 | 1061.2 | 1036.5 | 1001.6 | 955.5  | 900.4  |
| 47.5° | 967.9  | 964.5  | 964.5  | 965.6  | 957.8  | 956.6  | 943.1  | 921.8  | 891.5  | 846.5  | 789.1  |
| 50°   | 844.2  | 843.1  | 845.4  | 849.9  | 844.2  | 842.0  | 833.0  | 818.4  | 791.4  | 753.2  | 699.2  |
| 52.5° | 732.9  | 731.8  | 734.1  | 739.7  | 737.4  | 739.7  | 730.7  | 719.5  | 701.5  | 664.4  | 617.2  |
| 55°   | 623.9  | 623.9  | 623.9  | 630.6  | 630.6  | 630.6  | 626.1  | 619.4  | 602.5  | 575.6  | 531.7  |
| 57.5° | 510.4  | 511.5  | 518.2  | 519.3  | 518.2  | 520.5  | 519.3  | 512.6  | 501.4  | 482.3  | 448.5  |
| 60°   | 414.8  | 414.8  | 418.2  | 421.6  | 420.4  | 421.6  | 421.6  | 418.2  | 407.0  | 391.2  | 364.2  |
| 62.5° | 328.2  | 331.6  | 329.4  | 331.6  | 336.1  | 331.6  | 329.4  | 327.1  | 319.3  | 309.1  | 286.6  |
| 65°   | 248.4  | 250.7  | 250.7  | 251.8  | 249.5  | 250.7  | 246.2  | 242.8  | 238.3  | 227.1  | 212.5  |
| 67.5° | 188.9  | 188.9  | 188.9  | 188.9  | 187.7  | 186.6  | 185.5  | 182.1  | 174.3  | 169.8  | 154.0  |
| 70°   | 145.0  | 138.3  | 138.3  | 138.3  | 138.3  | 139.4  | 136.0  | 131.5  | 129.3  | 121.4  | 110.2  |
| 72.5° | 96.7   | 98.9   | 96.7   | 96.7   | 94.4   | 95.5   | 91.1   | 88.8   | 86.6   | 82.1   | 75.3   |
| 75°   | 69.7   | 64.1   | 66.3   | 67.5   | 64.1   | 66.3   | 61.8   | 57.3   | 57.3   | 54.0   | 50.6   |
| 77.5° | 45.0   | 43.9   | 45.0   | 46.1   | 45.0   | 43.9   | 41.6   | 39.3   | 39.3   | 38.2   | 34.8   |
| 80°   | 32.6   | 31.5   | 31.5   | 31.5   | 30.4   | 31.5   | 29.2   | 29.2   | 27.0   | 25.9   | 23.6   |
| 82.5° | 21.4   | 21.4   | 20.2   | 21.4   | 20.2   | 21.4   | 18.0   | 18.0   | 18.0   | 16.8   | 14.6   |
| 85°   | 14.6   | 12.4   | 12.4   | 13.5   | 11.2   | 13.5   | 12.4   | 11.2   | 10.1   | 10.1   | 9.0    |
| 87.5° | 6.8    | 7.9    | 6.8    | 7.9    | 6.8    | 6.8    | 7.9    | 6.8    | 6.8    | 4.5    | 4.5    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 |
| 2.5°  | 2291.0 | 2292.1 | 2292.1 | 2296.6 | 2298.9 | 2300.0 | 2300.0 | 2309.0 | 2305.6 | 2307.9 | 2310.1 |
| 5°    | 2258.4 | 2265.1 | 2267.4 | 2267.4 | 2279.8 | 2284.2 | 2288.7 | 2298.9 | 2300.0 | 2306.7 | 2314.6 |
| 7.5°  | 2226.9 | 2234.8 | 2239.3 | 2249.4 | 2257.3 | 2265.1 | 2278.6 | 2285.4 | 2292.1 | 2301.1 | 2311.2 |
| 10°   | 2196.6 | 2205.6 | 2214.6 | 2222.4 | 2234.8 | 2244.9 | 2253.9 | 2269.6 | 2277.5 | 2289.9 | 2303.4 |
| 12.5° | 2167.4 | 2179.7 | 2187.6 | 2201.1 | 2214.6 | 2223.5 | 2237.1 | 2251.7 | 2264.0 | 2276.4 | 2292.1 |
| 15°   | 2141.5 | 2156.1 | 2165.1 | 2179.7 | 2194.3 | 2206.7 | 2221.3 | 2239.3 | 2248.3 | 2262.9 | 2277.5 |
| 17.5° | 2113.4 | 2129.1 | 2140.4 | 2153.9 | 2171.9 | 2185.3 | 2197.7 | 2215.7 | 2226.9 | 2242.6 | 2259.5 |
| 20°   | 2084.2 | 2099.9 | 2113.4 | 2126.9 | 2144.9 | 2158.3 | 2173.0 | 2191.0 | 2203.3 | 2219.1 | 2232.6 |
| 22.5° | 2049.3 | 2064.0 | 2078.5 | 2094.3 | 2112.3 | 2123.5 | 2140.4 | 2156.1 | 2169.6 | 2184.2 | 2197.7 |
| 25°   | 2004.4 | 2022.4 | 2033.6 | 2048.2 | 2062.8 | 2075.1 | 2093.1 | 2108.9 | 2120.1 | 2133.6 | 2146.0 |
| 27.5° | 1951.5 | 1965.0 | 1974.0 | 1986.4 | 2001.0 | 2012.2 | 2025.7 | 2041.5 | 2052.7 | 2065.1 | 2074.0 |
| 30°   | 1861.6 | 1874.0 | 1881.8 | 1890.8 | 1905.4 | 1915.6 | 1926.8 | 1941.4 | 1949.2 | 1958.3 | 1966.1 |
| 32.5° | 1743.5 | 1753.7 | 1758.1 | 1764.9 | 1775.0 | 1785.1 | 1794.1 | 1806.5 | 1809.9 | 1815.5 | 1815.5 |
| 35°   | 1572.7 | 1574.9 | 1573.8 | 1576.1 | 1580.6 | 1586.2 | 1594.0 | 1601.9 | 1606.4 | 1606.4 | 1603.0 |
| 37.5° | 1372.6 | 1359.1 | 1344.5 | 1333.2 | 1329.9 | 1327.6 | 1332.1 | 1335.5 | 1340.0 | 1342.2 | 1336.6 |
| 40°   | 1164.6 | 1134.3 | 1101.7 | 1072.4 | 1052.2 | 1043.2 | 1039.8 | 1042.1 | 1042.1 | 1049.9 | 1049.9 |
| 42.5° | 985.9  | 938.6  | 890.3  | 846.5  | 817.2  | 794.8  | 784.7  | 784.7  | 785.8  | 791.4  | 794.8  |
| 45°   | 837.5  | 777.9  | 721.7  | 673.4  | 632.9  | 603.6  | 590.2  | 586.8  | 585.7  | 587.9  | 595.8  |
| 47.5° | 724.0  | 662.1  | 603.6  | 544.1  | 501.4  | 472.1  | 459.8  | 455.3  | 450.8  | 455.3  | 456.4  |
| 50°   | 635.2  | 571.1  | 509.3  | 449.7  | 404.7  | 378.8  | 363.1  | 356.3  | 355.2  | 355.2  | 357.5  |
| 52.5° | 554.2  | 494.6  | 432.8  | 372.1  | 324.9  | 300.2  | 285.5  | 282.2  | 277.7  | 282.2  | 282.2  |
| 55°   | 477.7  | 418.2  | 357.5  | 300.2  | 260.8  | 235.0  | 221.5  | 217.0  | 214.7  | 218.1  | 218.1  |
| 57.5° | 394.6  | 344.0  | 287.8  | 236.1  | 196.7  | 178.7  | 168.6  | 163.0  | 161.9  | 164.1  | 161.9  |
| 60°   | 323.8  | 281.0  | 232.7  | 185.5  | 155.1  | 136.0  | 128.2  | 125.9  | 123.6  | 125.9  | 125.9  |
| 62.5° | 256.3  | 220.3  | 181.0  | 145.0  | 119.1  | 105.7  | 96.7   | 96.7   | 95.5   | 95.5   | 96.7   |
| 65°   | 190.0  | 161.9  | 133.8  | 103.4  | 83.2   | 73.1   | 66.3   | 66.3   | 65.2   | 66.3   | 65.2   |
| 67.5° | 138.3  | 119.1  | 96.7   | 75.3   | 59.6   | 54.0   | 49.5   | 46.1   | 48.4   | 46.1   | 45.0   |
| 70°   | 101.2  | 85.4   | 69.7   | 57.3   | 46.1   | 40.5   | 37.1   | 36.0   | 33.7   | 33.7   | 33.7   |
| 72.5° | 67.5   | 57.3   | 47.2   | 37.1   | 30.4   | 24.7   | 23.6   | 21.4   | 19.1   | 20.2   | 22.5   |
| 75°   | 45.0   | 38.2   | 33.7   | 27.0   | 20.2   | 20.2   | 13.5   | 13.5   | 11.2   | 13.5   | 10.1   |
| 77.5° | 31.5   | 25.9   | 20.2   | 16.8   | 13.5   | 12.4   | 9.0    | 9.0    | 7.9    | 7.9    | 7.9    |
| 80°   | 22.5   | 19.1   | 14.6   | 12.4   | 9.0    | 9.0    | 7.9    | 6.8    | 5.6    | 5.6    | 6.8    |
| 82.5° | 13.5   | 10.1   | 10.1   | 9.0    | 5.6    | 4.5    | 3.4    | 4.5    | 2.3    | 2.3    | 2.3    |
| 85°   | 7.9    | 6.8    | 5.6    | 3.4    | 2.3    | 2.3    | 1.1    | 0.0    | 1.1    | 1.1    | 0.0    |
| 87.5° | 4.5    | 2.3    | 2.3    | 1.1    | 0.0    | 1.1    | 1.1    | 0.0    | 0.0    | 0.0    | 2.3    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 |
| 2.5°  | 2315.8 | 2314.6 | 2316.9 | 2316.9 | 2323.6 | 2322.5 | 2325.8 | 2325.8 | 2323.6 | 2324.7 | 2329.2 |
| 5°    | 2323.6 | 2327.0 | 2333.7 | 2339.4 | 2349.4 | 2354.0 | 2359.6 | 2365.2 | 2366.3 | 2369.7 | 2373.1 |
| 7.5°  | 2323.6 | 2334.9 | 2342.7 | 2352.8 | 2366.3 | 2374.2 | 2386.6 | 2396.7 | 2401.2 | 2406.8 | 2413.5 |
| 10°   | 2319.1 | 2330.3 | 2345.0 | 2356.2 | 2373.1 | 2385.4 | 2397.8 | 2413.5 | 2420.3 | 2429.3 | 2438.3 |
| 12.5° | 2310.1 | 2322.5 | 2338.2 | 2352.8 | 2371.9 | 2383.2 | 2398.9 | 2413.5 | 2423.7 | 2436.0 | 2446.1 |
| 15°   | 2296.6 | 2311.2 | 2325.8 | 2340.5 | 2360.7 | 2374.2 | 2388.8 | 2405.7 | 2415.8 | 2429.3 | 2438.3 |
| 17.5° | 2275.3 | 2291.0 | 2304.5 | 2318.0 | 2337.1 | 2352.8 | 2366.3 | 2382.1 | 2392.2 | 2403.4 | 2415.8 |
| 20°   | 2249.4 | 2264.0 | 2278.6 | 2289.9 | 2309.0 | 2322.5 | 2337.1 | 2351.7 | 2359.6 | 2361.8 | 2381.0 |
| 22.5° | 2216.8 | 2226.9 | 2238.2 | 2256.2 | 2267.4 | 2279.8 | 2293.3 | 2306.7 | 2314.6 | 2327.0 | 2333.7 |
| 25°   | 2162.8 | 2173.0 | 2185.3 | 2193.2 | 2206.7 | 2216.8 | 2230.3 | 2244.9 | 2249.4 | 2258.4 | 2265.1 |
| 27.5° | 2087.5 | 2093.1 | 2098.8 | 2105.5 | 2113.4 | 2119.0 | 2126.9 | 2133.6 | 2138.1 | 2142.6 | 2147.1 |
| 30°   | 1968.4 | 1968.4 | 1968.4 | 1963.9 | 1967.2 | 1970.6 | 1971.7 | 1970.6 | 1970.6 | 1969.5 | 1969.5 |
| 32.5° | 1811.0 | 1802.0 | 1791.9 | 1782.9 | 1779.5 | 1775.0 | 1772.8 | 1769.4 | 1763.8 | 1760.4 | 1761.5 |
| 35°   | 1598.5 | 1578.3 | 1565.9 | 1554.7 | 1545.7 | 1539.0 | 1535.6 | 1532.2 | 1531.1 | 1526.6 | 1522.1 |
| 37.5° | 1333.2 | 1318.6 | 1309.6 | 1302.9 | 1295.0 | 1288.3 | 1289.4 | 1290.5 | 1293.9 | 1291.6 | 1292.8 |
| 40°   | 1052.2 | 1048.8 | 1052.2 | 1044.3 | 1042.1 | 1044.3 | 1049.9 | 1057.8 | 1062.3 | 1066.8 | 1074.7 |
| 42.5° | 800.4  | 806.0  | 813.9  | 813.9  | 817.2  | 821.8  | 828.5  | 840.9  | 847.6  | 855.5  | 864.5  |
| 45°   | 602.5  | 609.3  | 619.4  | 622.8  | 625.0  | 630.6  | 638.5  | 648.6  | 653.1  | 659.9  | 667.7  |
| 47.5° | 464.3  | 468.8  | 474.4  | 480.0  | 485.6  | 487.9  | 495.7  | 495.7  | 501.4  | 505.9  | 508.1  |
| 50°   | 362.0  | 366.5  | 371.0  | 374.3  | 376.6  | 380.0  | 382.2  | 385.6  | 386.7  | 389.0  | 390.1  |
| 52.5° | 283.3  | 288.9  | 288.9  | 291.1  | 294.5  | 297.9  | 296.8  | 297.9  | 299.0  | 299.0  | 302.4  |
| 55°   | 221.5  | 221.5  | 224.8  | 224.8  | 227.1  | 225.9  | 227.1  | 227.1  | 227.1  | 227.1  | 228.2  |
| 57.5° | 165.2  | 166.4  | 169.8  | 167.5  | 166.4  | 168.6  | 166.4  | 168.6  | 167.5  | 169.8  | 166.4  |
| 60°   | 127.0  | 127.0  | 128.2  | 128.2  | 129.3  | 129.3  | 129.3  | 128.2  | 128.2  | 127.0  | 127.0  |
| 62.5° | 95.5   | 96.7   | 97.8   | 96.7   | 96.7   | 96.7   | 95.5   | 95.5   | 94.4   | 93.3   | 93.3   |
| 65°   | 64.1   | 63.0   | 65.2   | 63.0   | 64.1   | 64.1   | 63.0   | 64.1   | 60.7   | 61.8   | 60.7   |
| 67.5° | 46.1   | 45.0   | 43.9   | 45.0   | 43.9   | 42.7   | 42.7   | 43.9   | 45.0   | 41.6   | 41.6   |
| 70°   | 30.4   | 31.5   | 30.4   | 31.5   | 32.6   | 32.6   | 31.5   | 30.4   | 31.5   | 29.2   | 30.4   |
| 72.5° | 19.1   | 19.1   | 19.1   | 19.1   | 19.1   | 20.2   | 20.2   | 20.2   | 18.0   | 18.0   | 16.8   |
| 75°   | 9.0    | 12.4   | 10.1   | 9.0    | 12.4   | 12.4   | 11.2   | 11.2   | 10.1   | 10.1   | 10.1   |
| 77.5° | 9.0    | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 5.6    | 6.8    | 5.6    |
| 80°   | 4.5    | 4.5    | 4.5    | 3.4    | 4.5    | 4.5    | 5.6    | 4.5    | 4.5    | 3.4    | 5.6    |
| 82.5° | 2.3    | 2.3    | 2.3    | 0.0    | 1.1    | 2.3    | 2.3    | 1.1    | 2.3    | 2.3    | 1.1    |
| 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: P246010

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 |
| 2.5°  | 2328.1 | 2327.0 | 2328.1 | 2329.2 | 2328.1 | 2327.0 | 2328.1 | 2329.2 | 2324.7 | 2323.6 | 2325.8 |
| 5°    | 2377.6 | 2377.6 | 2379.8 | 2381.0 | 2379.8 | 2377.6 | 2377.6 | 2373.1 | 2369.7 | 2366.3 | 2365.2 |
| 7.5°  | 2420.3 | 2422.5 | 2424.8 | 2425.9 | 2424.8 | 2422.5 | 2420.3 | 2413.5 | 2406.8 | 2401.2 | 2396.7 |
| 10°   | 2446.1 | 2449.5 | 2454.0 | 2456.2 | 2454.0 | 2449.5 | 2446.1 | 2438.3 | 2429.3 | 2420.3 | 2413.5 |
| 12.5° | 2457.4 | 2460.8 | 2466.4 | 2465.3 | 2466.4 | 2460.8 | 2457.4 | 2446.1 | 2436.0 | 2423.7 | 2413.5 |
| 15°   | 2449.5 | 2454.0 | 2459.6 | 2461.9 | 2459.6 | 2454.0 | 2449.5 | 2438.3 | 2429.3 | 2415.8 | 2405.7 |
| 17.5° | 2424.8 | 2431.5 | 2434.9 | 2438.3 | 2434.9 | 2431.5 | 2424.8 | 2415.8 | 2403.4 | 2392.2 | 2382.1 |
| 20°   | 2391.0 | 2395.6 | 2400.1 | 2401.2 | 2400.1 | 2395.6 | 2391.0 | 2381.0 | 2361.8 | 2359.6 | 2351.7 |
| 22.5° | 2342.7 | 2346.1 | 2356.2 | 2352.8 | 2356.2 | 2346.1 | 2342.7 | 2333.7 | 2327.0 | 2314.6 | 2306.7 |
| 25°   | 2273.0 | 2276.4 | 2277.5 | 2278.6 | 2277.5 | 2276.4 | 2273.0 | 2265.1 | 2258.4 | 2249.4 | 2244.9 |
| 27.5° | 2152.7 | 2152.7 | 2155.0 | 2156.1 | 2155.0 | 2152.7 | 2152.7 | 2147.1 | 2142.6 | 2138.1 | 2133.6 |
| 30°   | 1970.6 | 1970.6 | 1970.6 | 1976.3 | 1970.6 | 1970.6 | 1970.6 | 1969.5 | 1969.5 | 1970.6 | 1970.6 |
| 32.5° | 1760.4 | 1758.1 | 1755.9 | 1758.1 | 1755.9 | 1758.1 | 1760.4 | 1761.5 | 1760.4 | 1763.8 | 1769.4 |
| 35°   | 1522.1 | 1521.0 | 1524.3 | 1519.9 | 1524.3 | 1521.0 | 1522.1 | 1522.1 | 1526.6 | 1531.1 | 1532.2 |
| 37.5° | 1293.9 | 1291.6 | 1296.1 | 1291.6 | 1296.1 | 1291.6 | 1293.9 | 1292.8 | 1291.6 | 1293.9 | 1290.5 |
| 40°   | 1077.0 | 1079.2 | 1079.2 | 1088.2 | 1079.2 | 1079.2 | 1077.0 | 1074.7 | 1066.8 | 1062.3 | 1057.8 |
| 42.5° | 869.0  | 875.7  | 873.5  | 880.2  | 873.5  | 875.7  | 869.0  | 864.5  | 855.5  | 847.6  | 840.9  |
| 45°   | 672.2  | 676.8  | 676.8  | 679.0  | 676.8  | 676.8  | 672.2  | 667.7  | 659.9  | 653.1  | 648.6  |
| 47.5° | 516.0  | 516.0  | 516.0  | 517.1  | 516.0  | 516.0  | 516.0  | 508.1  | 505.9  | 501.4  | 495.7  |
| 50°   | 392.3  | 393.4  | 394.6  | 395.7  | 394.6  | 393.4  | 392.3  | 390.1  | 389.0  | 386.7  | 385.6  |
| 52.5° | 301.3  | 302.4  | 300.2  | 302.4  | 300.2  | 302.4  | 301.3  | 302.4  | 299.0  | 299.0  | 297.9  |
| 55°   | 228.2  | 227.1  | 228.2  | 229.3  | 228.2  | 227.1  | 228.2  | 228.2  | 227.1  | 227.1  | 227.1  |
| 57.5° | 167.5  | 165.2  | 165.2  | 165.2  | 165.2  | 165.2  | 167.5  | 166.4  | 169.8  | 167.5  | 168.6  |
| 60°   | 124.8  | 125.9  | 125.9  | 127.0  | 125.9  | 125.9  | 124.8  | 127.0  | 127.0  | 128.2  | 128.2  |
| 62.5° | 92.2   | 95.5   | 93.3   | 95.5   | 93.3   | 95.5   | 92.2   | 93.3   | 93.3   | 94.4   | 95.5   |
| 65°   | 59.6   | 59.6   | 59.6   | 60.7   | 59.6   | 59.6   | 59.6   | 60.7   | 61.8   | 60.7   | 64.1   |
| 67.5° | 40.5   | 41.6   | 43.9   | 42.7   | 43.9   | 41.6   | 40.5   | 41.6   | 41.6   | 45.0   | 43.9   |
| 70°   | 32.6   | 29.2   | 29.2   | 32.6   | 29.2   | 29.2   | 32.6   | 30.4   | 29.2   | 31.5   | 30.4   |
| 72.5° | 19.1   | 16.8   | 19.1   | 19.1   | 19.1   | 16.8   | 19.1   | 16.8   | 18.0   | 18.0   | 20.2   |
| 75°   | 10.1   | 9.0    | 7.9    | 11.2   | 7.9    | 9.0    | 10.1   | 10.1   | 10.1   | 10.1   | 11.2   |
| 77.5° | 6.8    | 5.6    | 7.9    | 7.9    | 7.9    | 5.6    | 6.8    | 5.6    | 6.8    | 5.6    | 6.8    |
| 80°   | 3.4    | 4.5    | 3.4    | 5.6    | 3.4    | 4.5    | 3.4    | 5.6    | 3.4    | 4.5    | 4.5    |
| 82.5° | 1.1    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 1.1    | 1.1    | 2.3    | 2.3    | 1.1    |
| 85°   | 0.0    | 2.3    | 1.1    | 1.1    | 1.1    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 1.1    | 0.0    | 0.0    | 1.1    | 0.0    | 0.0    | 1.1    | 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: P246010

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 |
| 2.5°  | 2325.8 | 2322.5 | 2323.6 | 2316.9 | 2316.9 | 2314.6 | 2315.8 | 2310.1 | 2307.9 | 2305.6 | 2309.0 |
| 5°    | 2359.6 | 2354.0 | 2349.4 | 2339.4 | 2333.7 | 2327.0 | 2323.6 | 2314.6 | 2306.7 | 2300.0 | 2298.9 |
| 7.5°  | 2386.6 | 2374.2 | 2366.3 | 2352.8 | 2342.7 | 2334.9 | 2323.6 | 2311.2 | 2301.1 | 2292.1 | 2285.4 |
| 10°   | 2397.8 | 2385.4 | 2373.1 | 2356.2 | 2345.0 | 2330.3 | 2319.1 | 2303.4 | 2289.9 | 2277.5 | 2269.6 |
| 12.5° | 2398.9 | 2383.2 | 2371.9 | 2352.8 | 2338.2 | 2322.5 | 2310.1 | 2292.1 | 2276.4 | 2264.0 | 2251.7 |
| 15°   | 2388.8 | 2374.2 | 2360.7 | 2340.5 | 2325.8 | 2311.2 | 2296.6 | 2277.5 | 2262.9 | 2248.3 | 2239.3 |
| 17.5° | 2366.3 | 2352.8 | 2337.1 | 2318.0 | 2304.5 | 2291.0 | 2275.3 | 2259.5 | 2242.6 | 2226.9 | 2215.7 |
| 20°   | 2337.1 | 2322.5 | 2309.0 | 2289.9 | 2278.6 | 2264.0 | 2249.4 | 2232.6 | 2219.1 | 2203.3 | 2191.0 |
| 22.5° | 2293.3 | 2279.8 | 2267.4 | 2256.2 | 2238.2 | 2226.9 | 2216.8 | 2197.7 | 2184.2 | 2169.6 | 2156.1 |
| 25°   | 2230.3 | 2216.8 | 2206.7 | 2193.2 | 2185.3 | 2173.0 | 2162.8 | 2146.0 | 2133.6 | 2120.1 | 2108.9 |
| 27.5° | 2126.9 | 2119.0 | 2113.4 | 2105.5 | 2098.8 | 2093.1 | 2087.5 | 2074.0 | 2065.1 | 2052.7 | 2041.5 |
| 30°   | 1971.7 | 1970.6 | 1967.2 | 1963.9 | 1968.4 | 1968.4 | 1968.4 | 1966.1 | 1958.3 | 1949.2 | 1941.4 |
| 32.5° | 1772.8 | 1775.0 | 1779.5 | 1782.9 | 1791.9 | 1802.0 | 1811.0 | 1815.5 | 1815.5 | 1809.9 | 1806.5 |
| 35°   | 1535.6 | 1539.0 | 1545.7 | 1554.7 | 1565.9 | 1578.3 | 1598.5 | 1603.0 | 1606.4 | 1606.4 | 1601.9 |
| 37.5° | 1289.4 | 1288.3 | 1295.0 | 1302.9 | 1309.6 | 1318.6 | 1333.2 | 1336.6 | 1342.2 | 1340.0 | 1335.5 |
| 40°   | 1049.9 | 1044.3 | 1042.1 | 1044.3 | 1052.2 | 1048.8 | 1052.2 | 1049.9 | 1049.9 | 1042.1 | 1042.1 |
| 42.5° | 828.5  | 821.8  | 817.2  | 813.9  | 813.9  | 806.0  | 800.4  | 794.8  | 791.4  | 785.8  | 784.7  |
| 45°   | 638.5  | 630.6  | 625.0  | 622.8  | 619.4  | 609.3  | 602.5  | 595.8  | 587.9  | 585.7  | 586.8  |
| 47.5° | 495.7  | 487.9  | 485.6  | 480.0  | 474.4  | 468.8  | 464.3  | 456.4  | 455.3  | 450.8  | 455.3  |
| 50°   | 382.2  | 380.0  | 376.6  | 374.3  | 371.0  | 366.5  | 362.0  | 357.5  | 355.2  | 355.2  | 356.3  |
| 52.5° | 296.8  | 297.9  | 294.5  | 291.1  | 288.9  | 288.9  | 283.3  | 282.2  | 282.2  | 277.7  | 282.2  |
| 55°   | 227.1  | 225.9  | 227.1  | 224.8  | 224.8  | 221.5  | 221.5  | 218.1  | 218.1  | 214.7  | 217.0  |
| 57.5° | 166.4  | 168.6  | 166.4  | 167.5  | 169.8  | 166.4  | 165.2  | 161.9  | 164.1  | 161.9  | 163.0  |
| 60°   | 129.3  | 129.3  | 129.3  | 128.2  | 128.2  | 127.0  | 127.0  | 125.9  | 125.9  | 123.6  | 125.9  |
| 62.5° | 95.5   | 96.7   | 96.7   | 96.7   | 97.8   | 96.7   | 95.5   | 96.7   | 95.5   | 95.5   | 96.7   |
| 65°   | 63.0   | 64.1   | 64.1   | 63.0   | 65.2   | 63.0   | 64.1   | 65.2   | 66.3   | 65.2   | 66.3   |
| 67.5° | 42.7   | 42.7   | 43.9   | 45.0   | 43.9   | 45.0   | 46.1   | 45.0   | 46.1   | 48.4   | 46.1   |
| 70°   | 31.5   | 32.6   | 32.6   | 31.5   | 30.4   | 31.5   | 30.4   | 33.7   | 33.7   | 33.7   | 36.0   |
| 72.5° | 20.2   | 20.2   | 19.1   | 19.1   | 19.1   | 19.1   | 19.1   | 22.5   | 20.2   | 19.1   | 21.4   |
| 75°   | 11.2   | 12.4   | 12.4   | 9.0    | 10.1   | 12.4   | 9.0    | 10.1   | 13.5   | 11.2   | 13.5   |
| 77.5° | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 9.0    | 7.9    | 7.9    | 7.9    | 9.0    |
| 80°   | 5.6    | 4.5    | 4.5    | 3.4    | 4.5    | 4.5    | 4.5    | 6.8    | 5.6    | 5.6    | 6.8    |
| 82.5° | 2.3    | 2.3    | 1.1    | 0.0    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 2.3    | 4.5    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.1    | 1.1    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.3    | 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: P246010

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 |
| 2.5°  | 2300.0 | 2300.0 | 2298.9 | 2296.6 | 2292.1 | 2292.1 | 2291.0 | 2287.6 | 2285.4 | 2284.2 | 2284.2 |
| 5°    | 2288.7 | 2284.2 | 2279.8 | 2267.4 | 2267.4 | 2265.1 | 2258.4 | 2253.9 | 2251.7 | 2246.0 | 2243.8 |
| 7.5°  | 2278.6 | 2265.1 | 2257.3 | 2249.4 | 2239.3 | 2234.8 | 2226.9 | 2223.5 | 2215.7 | 2210.1 | 2206.7 |
| 10°   | 2253.9 | 2244.9 | 2234.8 | 2222.4 | 2214.6 | 2205.6 | 2196.6 | 2189.9 | 2179.7 | 2174.1 | 2169.6 |
| 12.5° | 2237.1 | 2223.5 | 2214.6 | 2201.1 | 2187.6 | 2179.7 | 2167.4 | 2159.5 | 2149.4 | 2138.1 | 2131.4 |
| 15°   | 2221.3 | 2206.7 | 2194.3 | 2179.7 | 2165.1 | 2156.1 | 2141.5 | 2132.5 | 2117.9 | 2106.7 | 2098.8 |
| 17.5° | 2197.7 | 2185.3 | 2171.9 | 2153.9 | 2140.4 | 2129.1 | 2113.4 | 2102.2 | 2088.7 | 2074.0 | 2066.2 |
| 20°   | 2173.0 | 2158.3 | 2144.9 | 2126.9 | 2113.4 | 2099.9 | 2084.2 | 2071.8 | 2056.0 | 2042.6 | 2033.6 |
| 22.5° | 2140.4 | 2123.5 | 2112.3 | 2094.3 | 2078.5 | 2064.0 | 2049.3 | 2034.7 | 2020.1 | 2008.8 | 1998.7 |
| 25°   | 2093.1 | 2075.1 | 2062.8 | 2048.2 | 2033.6 | 2022.4 | 2004.4 | 1995.4 | 1980.8 | 1970.6 | 1960.5 |
| 27.5° | 2025.7 | 2012.2 | 2001.0 | 1986.4 | 1974.0 | 1965.0 | 1951.5 | 1942.5 | 1930.1 | 1921.2 | 1913.3 |
| 30°   | 1926.8 | 1915.6 | 1905.4 | 1890.8 | 1881.8 | 1874.0 | 1861.6 | 1853.7 | 1844.7 | 1834.6 | 1832.4 |
| 32.5° | 1794.1 | 1785.1 | 1775.0 | 1764.9 | 1758.1 | 1753.7 | 1743.5 | 1739.0 | 1730.1 | 1724.4 | 1718.8 |
| 35°   | 1594.0 | 1586.2 | 1580.6 | 1576.1 | 1573.8 | 1574.9 | 1572.7 | 1577.2 | 1579.4 | 1578.3 | 1579.4 |
| 37.5° | 1332.1 | 1327.6 | 1329.9 | 1333.2 | 1344.5 | 1359.1 | 1372.6 | 1392.8 | 1406.3 | 1419.8 | 1432.2 |
| 40°   | 1039.8 | 1043.2 | 1052.2 | 1072.4 | 1101.7 | 1134.3 | 1164.6 | 1202.9 | 1241.1 | 1268.0 | 1292.8 |
| 42.5° | 784.7  | 794.8  | 817.2  | 846.5  | 890.3  | 938.6  | 985.9  | 1042.1 | 1088.2 | 1133.1 | 1164.6 |
| 45°   | 590.2  | 603.6  | 632.9  | 673.4  | 721.7  | 777.9  | 837.5  | 900.4  | 955.5  | 1001.6 | 1036.5 |
| 47.5° | 459.8  | 472.1  | 501.4  | 544.1  | 603.6  | 662.1  | 724.0  | 789.1  | 846.5  | 891.5  | 921.8  |
| 50°   | 363.1  | 378.8  | 404.7  | 449.7  | 509.3  | 571.1  | 635.2  | 699.2  | 753.2  | 791.4  | 818.4  |
| 52.5° | 285.5  | 300.2  | 324.9  | 372.1  | 432.8  | 494.6  | 554.2  | 617.2  | 664.4  | 701.5  | 719.5  |
| 55°   | 221.5  | 235.0  | 260.8  | 300.2  | 357.5  | 418.2  | 477.7  | 531.7  | 575.6  | 602.5  | 619.4  |
| 57.5° | 168.6  | 178.7  | 196.7  | 236.1  | 287.8  | 344.0  | 394.6  | 448.5  | 482.3  | 501.4  | 512.6  |
| 60°   | 128.2  | 136.0  | 155.1  | 185.5  | 232.7  | 281.0  | 323.8  | 364.2  | 391.2  | 407.0  | 418.2  |
| 62.5° | 96.7   | 105.7  | 119.1  | 145.0  | 181.0  | 220.3  | 256.3  | 286.6  | 309.1  | 319.3  | 327.1  |
| 65°   | 66.3   | 73.1   | 83.2   | 103.4  | 133.8  | 161.9  | 190.0  | 212.5  | 227.1  | 238.3  | 242.8  |
| 67.5° | 49.5   | 54.0   | 59.6   | 75.3   | 96.7   | 119.1  | 138.3  | 154.0  | 169.8  | 174.3  | 182.1  |
| 70°   | 37.1   | 40.5   | 46.1   | 57.3   | 69.7   | 85.4   | 101.2  | 110.2  | 121.4  | 129.3  | 131.5  |
| 72.5° | 23.6   | 24.7   | 30.4   | 37.1   | 47.2   | 57.3   | 67.5   | 75.3   | 82.1   | 86.6   | 88.8   |
| 75°   | 13.5   | 20.2   | 20.2   | 27.0   | 33.7   | 38.2   | 45.0   | 50.6   | 54.0   | 57.3   | 57.3   |
| 77.5° | 9.0    | 12.4   | 13.5   | 16.8   | 20.2   | 25.9   | 31.5   | 34.8   | 38.2   | 39.3   | 39.3   |
| 80°   | 7.9    | 9.0    | 9.0    | 12.4   | 14.6   | 19.1   | 22.5   | 23.6   | 25.9   | 27.0   | 29.2   |
| 82.5° | 3.4    | 4.5    | 5.6    | 9.0    | 10.1   | 10.1   | 13.5   | 14.6   | 16.8   | 18.0   | 18.0   |
| 85°   | 1.1    | 2.3    | 2.3    | 3.4    | 5.6    | 6.8    | 7.9    | 9.0    | 10.1   | 10.1   | 11.2   |
| 87.5° | 1.1    | 1.1    | 0.0    | 1.1    | 2.3    | 2.3    | 4.5    | 4.5    | 4.5    | 6.8    | 6.8    |
| 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: P246010

CATALOG NUMBER: LD8B40D010 ER8B40940 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 | 2302.2 |
| 2.5°  | 2282.0 | 2283.1 | 2278.6 | 2277.5 | 2275.3 | 2276.4 | 2278.6 |
| 5°    | 2240.4 | 2241.5 | 2237.1 | 2232.6 | 2232.6 | 2231.4 | 2232.6 |
| 7.5°  | 2201.1 | 2202.2 | 2195.5 | 2193.2 | 2188.7 | 2189.9 | 2189.9 |
| 10°   | 2161.7 | 2161.7 | 2151.6 | 2150.5 | 2147.1 | 2146.0 | 2146.0 |
| 12.5° | 2123.5 | 2120.1 | 2112.3 | 2107.8 | 2110.0 | 2103.3 | 2103.3 |
| 15°   | 2089.8 | 2084.2 | 2074.0 | 2070.7 | 2065.1 | 2062.8 | 2062.8 |
| 17.5° | 2054.9 | 2050.4 | 2041.5 | 2034.7 | 2028.0 | 2026.8 | 2028.0 |
| 20°   | 2021.2 | 2016.7 | 2005.5 | 2001.0 | 1995.4 | 1995.4 | 1993.1 |
| 22.5° | 1987.5 | 1983.0 | 1972.9 | 1969.5 | 1961.6 | 1961.6 | 1962.8 |
| 25°   | 1952.6 | 1949.2 | 1938.0 | 1935.8 | 1934.7 | 1930.1 | 1932.4 |
| 27.5° | 1905.4 | 1903.2 | 1894.2 | 1890.8 | 1886.3 | 1885.2 | 1887.4 |
| 30°   | 1818.9 | 1815.5 | 1808.8 | 1805.4 | 1797.5 | 1798.6 | 1800.9 |
| 32.5° | 1711.0 | 1706.5 | 1697.4 | 1694.1 | 1687.4 | 1685.1 | 1686.2 |
| 35°   | 1576.1 | 1572.7 | 1564.8 | 1564.8 | 1558.1 | 1555.8 | 1558.1 |
| 37.5° | 1438.9 | 1442.3 | 1438.9 | 1442.3 | 1438.9 | 1437.8 | 1438.9 |
| 40°   | 1309.6 | 1322.0 | 1324.2 | 1336.6 | 1332.1 | 1338.8 | 1337.7 |
| 42.5° | 1186.0 | 1206.2 | 1214.1 | 1224.2 | 1222.0 | 1226.5 | 1229.8 |
| 45°   | 1061.2 | 1078.1 | 1085.9 | 1092.7 | 1093.8 | 1096.1 | 1097.2 |
| 47.5° | 943.1  | 956.6  | 957.8  | 965.6  | 964.5  | 964.5  | 967.9  |
| 50°   | 833.0  | 842.0  | 844.2  | 849.9  | 845.4  | 843.1  | 844.2  |
| 52.5° | 730.7  | 739.7  | 737.4  | 739.7  | 734.1  | 731.8  | 732.9  |
| 55°   | 626.1  | 630.6  | 630.6  | 630.6  | 623.9  | 623.9  | 623.9  |
| 57.5° | 519.3  | 520.5  | 518.2  | 519.3  | 518.2  | 511.5  | 510.4  |
| 60°   | 421.6  | 421.6  | 420.4  | 421.6  | 418.2  | 414.8  | 414.8  |
| 62.5° | 329.4  | 331.6  | 336.1  | 331.6  | 329.4  | 331.6  | 328.2  |
| 65°   | 246.2  | 250.7  | 249.5  | 251.8  | 250.7  | 250.7  | 248.4  |
| 67.5° | 185.5  | 186.6  | 187.7  | 188.9  | 188.9  | 188.9  | 188.9  |
| 70°   | 136.0  | 139.4  | 138.3  | 138.3  | 138.3  | 138.3  | 145.0  |
| 72.5° | 91.1   | 95.5   | 94.4   | 96.7   | 96.7   | 98.9   | 96.7   |
| 75°   | 61.8   | 66.3   | 64.1   | 67.5   | 66.3   | 64.1   | 69.7   |
| 77.5° | 41.6   | 43.9   | 45.0   | 46.1   | 45.0   | 43.9   | 45.0   |
| 80°   | 29.2   | 31.5   | 30.4   | 31.5   | 31.5   | 31.5   | 32.6   |
| 82.5° | 18.0   | 21.4   | 20.2   | 21.4   | 20.2   | 21.4   | 21.4   |
| 85°   | 12.4   | 13.5   | 11.2   | 13.5   | 12.4   | 12.4   | 14.6   |
| 87.5° | 7.9    | 6.8    | 6.8    | 7.9    | 6.8    | 7.9    | 6.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)