

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: P245986

Luminaire Tested: **LSR8B40D010 EC8B40850 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245986
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: LSR8B40D010 EC8B40850 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4411.0 lumens
Efficiency: N/A
Efficacy: 107.8 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

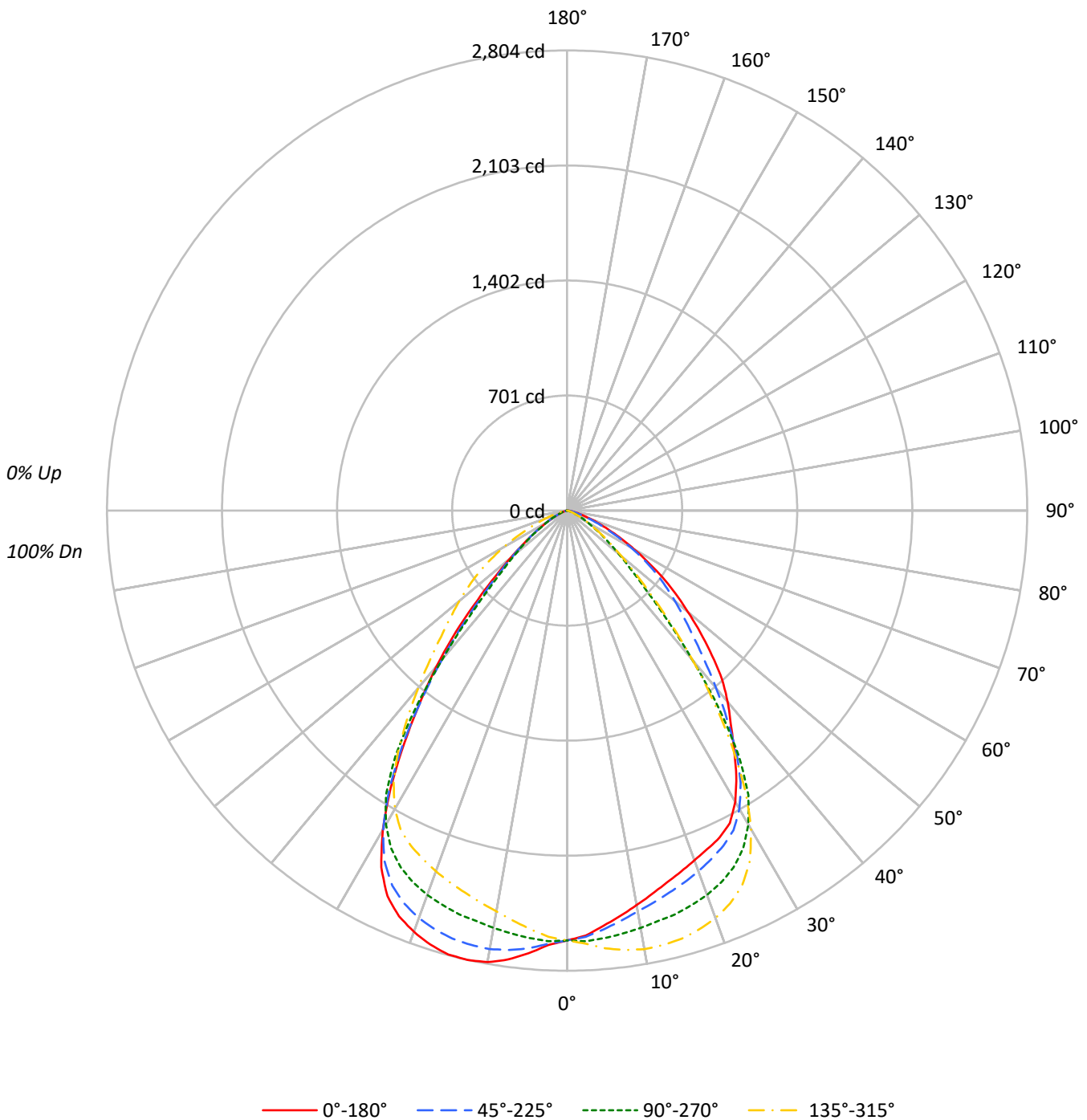
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 80751 | 80751 | 80751 | 80751 |
| 5° | 78605 | 80939 | 83830 | 80939 |
| 10° | 76429 | 80835 | 87480 | 80835 |
| 15° | 74904 | 81314 | 89394 | 81314 |
| 20° | 74392 | 81779 | 89625 | 81779 |
| 25° | 74785 | 81614 | 88184 | 81614 |
| 30° | 72937 | 78627 | 80040 | 78627 |
| 35° | 66713 | 68591 | 65076 | 68591 |
| 40° | 61250 | 47713 | 49826 | 47713 |
| 45° | 54424 | 29109 | 33679 | 29109 |
| 50° | 46063 | 19443 | 21593 | 19443 |
| 55° | 38155 | 13268 | 14021 | 13268 |
| 60° | 29097 | 8832 | 8912 | 8832 |
| 65° | 20620 | 5502 | 5042 | 5502 |
| 70° | 14867 | 3688 | 3345 | 3688 |
| 75° | 9448 | 1835 | 1525 | 1835 |
| 80° | 6588 | 1367 | 1137 | 1367 |
| 85° | 5873 | 0 | 460 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 249.2 | 5.7 |
| 10°-20° | 721.8 | 16.4 |
| 20°-30° | 1092.9 | 24.8 |
| 30°-40° | 1095.4 | 24.8 |
| 40°-50° | 687.8 | 15.6 |
| 50°-60° | 366.5 | 8.3 |
| 60°-70° | 150.7 | 3.4 |
| 70°-80° | 39.8 | 0.9 |
| 80°-90° | 6.7 | 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° | 2063.9 | 46.8 |
| 0°-40° | 3159.3 | 71.6 |
| 0°-60° | 4213.7 | 95.5 |
| 0°-90° | 4411.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4411.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2619 | 2619 | 2619 | 2619 | 2619 | |
| 5° | 2539 | 2615 | 2708 | 2615 | 2539 | 239 |
| 15° | 2346 | 2547 | 2800 | 2547 | 2346 | 664 |
| 25° | 2198 | 2399 | 2592 | 2399 | 2198 | 1008 |
| 35° | 1772 | 1822 | 1729 | 1822 | 1772 | 1110 |
| 45° | 1248 | 668 | 772 | 668 | 1248 | 960 |
| 55° | 710 | 247 | 261 | 247 | 710 | 633 |
| 65° | 283 | 75 | 69 | 75 | 283 | 293 |
| 75° | 79 | 15 | 13 | 15 | 79 | 90 |
| 85° | 17 | 0 | 1 | 0 | 17 | 18 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 |
| 2.5° | 2591.8 | 2589.3 | 2588.0 | 2590.6 | 2591.8 | 2596.9 | 2595.7 | 2598.2 | 2598.2 | 2599.5 | 2602.0 |
| 5° | 2539.4 | 2538.1 | 2539.4 | 2539.4 | 2544.5 | 2549.6 | 2548.4 | 2552.2 | 2554.7 | 2561.1 | 2563.7 |
| 7.5° | 2490.8 | 2490.8 | 2489.5 | 2494.6 | 2497.2 | 2504.9 | 2503.6 | 2510.0 | 2513.8 | 2520.2 | 2529.1 |
| 10° | 2440.9 | 2440.9 | 2442.2 | 2446.0 | 2447.4 | 2458.8 | 2458.8 | 2467.8 | 2472.9 | 2479.3 | 2490.8 |
| 12.5° | 2392.4 | 2392.4 | 2400.0 | 2397.5 | 2402.6 | 2411.5 | 2415.4 | 2424.3 | 2432.0 | 2444.8 | 2456.3 |
| 15° | 2346.3 | 2346.3 | 2348.9 | 2355.3 | 2359.1 | 2370.6 | 2377.0 | 2387.3 | 2396.2 | 2409.0 | 2425.6 |
| 17.5° | 2306.7 | 2305.4 | 2306.7 | 2314.4 | 2322.0 | 2332.3 | 2337.4 | 2350.2 | 2359.1 | 2375.7 | 2391.1 |
| 20° | 2267.0 | 2269.6 | 2269.6 | 2276.0 | 2281.1 | 2293.9 | 2299.0 | 2313.1 | 2323.3 | 2338.6 | 2356.6 |
| 22.5° | 2232.5 | 2231.3 | 2231.3 | 2240.2 | 2244.0 | 2255.5 | 2260.6 | 2273.4 | 2284.9 | 2297.7 | 2314.4 |
| 25° | 2198.0 | 2195.4 | 2200.6 | 2201.8 | 2204.4 | 2217.2 | 2221.0 | 2229.9 | 2241.5 | 2253.0 | 2269.6 |
| 27.5° | 2146.8 | 2144.3 | 2145.6 | 2150.7 | 2154.5 | 2164.7 | 2167.3 | 2176.3 | 2185.2 | 2195.4 | 2209.5 |
| 30° | 2048.4 | 2045.8 | 2044.6 | 2053.5 | 2057.4 | 2065.0 | 2068.8 | 2084.2 | 2086.7 | 2098.3 | 2108.5 |
| 32.5° | 1918.0 | 1916.7 | 1919.3 | 1926.9 | 1930.7 | 1941.0 | 1946.1 | 1955.1 | 1961.4 | 1967.8 | 1978.1 |
| 35° | 1772.2 | 1769.6 | 1772.2 | 1779.9 | 1779.9 | 1788.8 | 1792.7 | 1796.5 | 1795.2 | 1796.5 | 1794.0 |
| 37.5° | 1636.7 | 1635.4 | 1636.7 | 1640.5 | 1636.7 | 1640.5 | 1636.7 | 1629.0 | 1615.0 | 1599.6 | 1584.2 |
| 40° | 1521.6 | 1522.9 | 1515.2 | 1520.3 | 1506.2 | 1503.7 | 1489.6 | 1470.4 | 1442.3 | 1411.6 | 1368.2 |
| 42.5° | 1398.9 | 1395.0 | 1389.9 | 1392.4 | 1381.0 | 1372.0 | 1349.0 | 1324.7 | 1288.9 | 1237.8 | 1185.3 |
| 45° | 1248.0 | 1246.7 | 1244.1 | 1242.9 | 1235.2 | 1226.2 | 1207.0 | 1178.9 | 1139.3 | 1086.9 | 1024.2 |
| 47.5° | 1100.9 | 1097.1 | 1097.1 | 1098.3 | 1089.4 | 1088.1 | 1072.8 | 1048.5 | 1014.0 | 962.8 | 897.6 |
| 50° | 960.2 | 959.0 | 961.6 | 966.7 | 960.2 | 957.7 | 947.5 | 930.9 | 900.2 | 856.7 | 795.3 |
| 52.5° | 833.7 | 832.4 | 835.0 | 841.3 | 838.8 | 841.3 | 831.1 | 818.3 | 797.9 | 755.7 | 702.0 |
| 55° | 709.7 | 709.7 | 709.7 | 717.3 | 717.3 | 717.3 | 712.2 | 704.6 | 685.4 | 654.7 | 604.8 |
| 57.5° | 580.5 | 581.8 | 589.5 | 590.7 | 589.5 | 592.0 | 590.7 | 583.0 | 570.3 | 548.6 | 510.2 |
| 60° | 471.8 | 471.8 | 475.7 | 479.5 | 478.2 | 479.5 | 479.5 | 475.7 | 462.9 | 445.0 | 414.3 |
| 62.5° | 373.4 | 377.2 | 374.6 | 377.2 | 382.3 | 377.2 | 374.6 | 372.1 | 363.1 | 351.6 | 326.0 |
| 65° | 282.6 | 285.2 | 285.2 | 286.4 | 283.8 | 285.2 | 280.0 | 276.2 | 271.1 | 258.3 | 241.7 |
| 67.5° | 214.8 | 214.8 | 214.8 | 214.8 | 213.5 | 212.3 | 211.0 | 207.2 | 198.2 | 193.1 | 175.2 |
| 70° | 164.9 | 157.3 | 157.3 | 157.3 | 157.3 | 158.6 | 154.7 | 149.6 | 147.0 | 138.1 | 125.3 |
| 72.5° | 109.9 | 112.5 | 109.9 | 109.9 | 107.4 | 108.7 | 103.6 | 101.0 | 98.5 | 93.4 | 85.7 |
| 75° | 79.3 | 72.9 | 75.4 | 76.7 | 72.9 | 75.4 | 70.3 | 65.2 | 65.2 | 61.4 | 57.5 |
| 77.5° | 51.2 | 49.9 | 51.2 | 52.4 | 51.2 | 49.9 | 47.3 | 44.7 | 44.7 | 43.5 | 39.6 |
| 80° | 37.1 | 35.8 | 35.8 | 35.8 | 34.5 | 35.8 | 33.3 | 33.3 | 30.7 | 29.4 | 26.8 |
| 82.5° | 24.3 | 24.3 | 23.0 | 24.3 | 23.0 | 24.3 | 20.5 | 20.5 | 20.5 | 19.2 | 16.6 |
| 85° | 16.6 | 14.1 | 14.1 | 15.4 | 12.8 | 15.4 | 14.1 | 12.8 | 11.5 | 11.5 | 10.2 |
| 87.5° | 7.7 | 8.9 | 7.7 | 8.9 | 7.7 | 7.7 | 8.9 | 7.7 | 7.7 | 5.1 | 5.1 |
| 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: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 |
| 2.5° | 2605.9 | 2607.1 | 2607.1 | 2612.3 | 2614.8 | 2616.1 | 2616.1 | 2626.4 | 2622.5 | 2625.1 | 2627.6 |
| 5° | 2568.8 | 2576.5 | 2579.0 | 2579.0 | 2593.1 | 2598.2 | 2603.3 | 2614.8 | 2616.1 | 2623.8 | 2632.7 |
| 7.5° | 2533.0 | 2541.9 | 2547.1 | 2558.6 | 2567.5 | 2576.5 | 2591.8 | 2599.5 | 2607.1 | 2617.4 | 2628.9 |
| 10° | 2498.5 | 2508.7 | 2518.9 | 2527.9 | 2541.9 | 2553.5 | 2563.7 | 2581.6 | 2590.6 | 2604.6 | 2619.9 |
| 12.5° | 2465.3 | 2479.3 | 2488.3 | 2503.6 | 2518.9 | 2529.1 | 2544.5 | 2561.1 | 2575.2 | 2589.3 | 2607.1 |
| 15° | 2435.8 | 2452.5 | 2462.7 | 2479.3 | 2495.9 | 2510.0 | 2526.6 | 2547.1 | 2557.3 | 2573.9 | 2590.6 |
| 17.5° | 2403.8 | 2421.8 | 2434.6 | 2449.9 | 2470.4 | 2485.7 | 2499.8 | 2520.2 | 2533.0 | 2550.9 | 2570.1 |
| 20° | 2370.6 | 2388.5 | 2403.8 | 2419.2 | 2439.7 | 2455.0 | 2471.6 | 2492.1 | 2506.1 | 2524.0 | 2539.4 |
| 22.5° | 2331.0 | 2347.6 | 2364.2 | 2382.1 | 2402.6 | 2415.4 | 2434.6 | 2452.5 | 2467.8 | 2484.4 | 2499.8 |
| 25° | 2279.8 | 2300.3 | 2313.1 | 2329.7 | 2346.3 | 2360.4 | 2380.8 | 2398.7 | 2411.5 | 2426.9 | 2440.9 |
| 27.5° | 2219.7 | 2235.1 | 2245.3 | 2259.4 | 2276.0 | 2288.8 | 2304.1 | 2322.0 | 2334.8 | 2348.9 | 2359.1 |
| 30° | 2117.4 | 2131.5 | 2140.5 | 2150.7 | 2167.3 | 2178.8 | 2191.6 | 2208.2 | 2217.2 | 2227.4 | 2236.4 |
| 32.5° | 1983.2 | 1994.7 | 1999.8 | 2007.5 | 2019.0 | 2030.5 | 2040.7 | 2054.8 | 2058.6 | 2065.0 | 2065.0 |
| 35° | 1788.8 | 1791.4 | 1790.1 | 1792.7 | 1797.8 | 1804.2 | 1813.1 | 1822.1 | 1827.2 | 1827.2 | 1823.4 |
| 37.5° | 1561.2 | 1545.9 | 1529.3 | 1516.5 | 1512.6 | 1510.1 | 1515.2 | 1519.0 | 1524.2 | 1526.7 | 1520.3 |
| 40° | 1324.7 | 1290.2 | 1253.1 | 1219.8 | 1196.8 | 1186.6 | 1182.8 | 1185.3 | 1185.3 | 1194.2 | 1194.2 |
| 42.5° | 1121.4 | 1067.7 | 1012.7 | 962.8 | 929.6 | 904.0 | 892.5 | 892.5 | 893.8 | 900.2 | 904.0 |
| 45° | 952.6 | 884.8 | 820.9 | 765.9 | 719.9 | 686.6 | 671.3 | 667.5 | 666.2 | 668.7 | 677.7 |
| 47.5° | 823.5 | 753.1 | 686.6 | 618.9 | 570.3 | 537.0 | 523.0 | 517.8 | 512.7 | 517.8 | 519.1 |
| 50° | 722.5 | 649.6 | 579.2 | 511.5 | 460.3 | 430.9 | 413.0 | 405.3 | 404.0 | 404.0 | 406.6 |
| 52.5° | 630.4 | 562.6 | 492.3 | 423.3 | 369.5 | 341.4 | 324.8 | 320.9 | 315.8 | 320.9 | 320.9 |
| 55° | 543.4 | 475.7 | 406.6 | 341.4 | 296.6 | 267.3 | 251.9 | 246.8 | 244.2 | 248.0 | 248.0 |
| 57.5° | 448.8 | 391.3 | 327.4 | 268.5 | 223.8 | 203.3 | 191.8 | 185.4 | 184.1 | 186.7 | 184.1 |
| 60° | 368.3 | 319.7 | 264.7 | 211.0 | 176.5 | 154.7 | 145.8 | 143.2 | 140.6 | 143.2 | 143.2 |
| 62.5° | 291.5 | 250.6 | 205.8 | 164.9 | 135.5 | 120.2 | 109.9 | 109.9 | 108.7 | 108.7 | 109.9 |
| 65° | 216.1 | 184.1 | 152.2 | 117.6 | 94.6 | 83.1 | 75.4 | 75.4 | 74.2 | 75.4 | 74.2 |
| 67.5° | 157.3 | 135.5 | 109.9 | 85.7 | 67.8 | 61.4 | 56.3 | 52.4 | 55.0 | 52.4 | 51.2 |
| 70° | 115.1 | 97.2 | 79.3 | 65.2 | 52.4 | 46.1 | 42.2 | 40.9 | 38.4 | 38.4 | 38.4 |
| 72.5° | 76.7 | 65.2 | 53.7 | 42.2 | 34.5 | 28.1 | 26.8 | 24.3 | 21.7 | 23.0 | 25.6 |
| 75° | 51.2 | 43.5 | 38.4 | 30.7 | 23.0 | 23.0 | 15.4 | 15.4 | 12.8 | 15.4 | 11.5 |
| 77.5° | 35.8 | 29.4 | 23.0 | 19.2 | 15.4 | 14.1 | 10.2 | 10.2 | 8.9 | 8.9 | 8.9 |
| 80° | 25.6 | 21.7 | 16.6 | 14.1 | 10.2 | 10.2 | 8.9 | 7.7 | 6.4 | 6.4 | 7.7 |
| 82.5° | 15.4 | 11.5 | 11.5 | 10.2 | 6.4 | 5.1 | 3.8 | 5.1 | 2.6 | 2.6 | 2.6 |
| 85° | 8.9 | 7.7 | 6.4 | 3.8 | 2.6 | 2.6 | 1.3 | 0.0 | 1.3 | 1.3 | 0.0 |
| 87.5° | 5.1 | 2.6 | 2.6 | 1.3 | 0.0 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 2.6 |
| 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: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 |
| 2.5° | 2634.0 | 2632.7 | 2635.3 | 2635.3 | 2643.0 | 2641.7 | 2645.5 | 2645.5 | 2643.0 | 2644.2 | 2649.4 |
| 5° | 2643.0 | 2646.8 | 2654.5 | 2660.9 | 2672.4 | 2677.5 | 2683.9 | 2690.3 | 2691.6 | 2695.4 | 2699.2 |
| 7.5° | 2643.0 | 2655.8 | 2664.7 | 2676.2 | 2691.6 | 2700.5 | 2714.6 | 2726.1 | 2731.2 | 2737.6 | 2745.2 |
| 10° | 2637.8 | 2650.6 | 2667.2 | 2680.0 | 2699.2 | 2713.3 | 2727.4 | 2745.2 | 2752.9 | 2763.1 | 2773.4 |
| 12.5° | 2627.6 | 2641.7 | 2659.6 | 2676.2 | 2697.9 | 2710.7 | 2728.6 | 2745.2 | 2756.8 | 2770.8 | 2782.4 |
| 15° | 2612.3 | 2628.9 | 2645.5 | 2662.1 | 2685.1 | 2700.5 | 2717.1 | 2736.3 | 2747.8 | 2763.1 | 2773.4 |
| 17.5° | 2588.0 | 2605.9 | 2621.2 | 2636.6 | 2658.3 | 2676.2 | 2691.6 | 2709.5 | 2721.0 | 2733.8 | 2747.8 |
| 20° | 2558.6 | 2575.2 | 2591.8 | 2604.6 | 2626.4 | 2641.7 | 2658.3 | 2674.9 | 2683.9 | 2686.5 | 2708.2 |
| 22.5° | 2521.5 | 2533.0 | 2545.8 | 2566.3 | 2579.0 | 2593.1 | 2608.5 | 2623.8 | 2632.7 | 2646.8 | 2654.5 |
| 25° | 2460.1 | 2471.6 | 2485.7 | 2494.6 | 2510.0 | 2521.5 | 2536.8 | 2553.5 | 2558.6 | 2568.8 | 2576.5 |
| 27.5° | 2374.5 | 2380.8 | 2387.3 | 2394.9 | 2403.8 | 2410.3 | 2419.2 | 2426.9 | 2432.0 | 2437.1 | 2442.2 |
| 30° | 2238.9 | 2238.9 | 2238.9 | 2233.8 | 2237.6 | 2241.5 | 2242.7 | 2241.5 | 2241.5 | 2240.2 | 2240.2 |
| 32.5° | 2059.9 | 2049.7 | 2038.2 | 2027.9 | 2024.1 | 2019.0 | 2016.4 | 2012.6 | 2006.2 | 2002.4 | 2003.6 |
| 35° | 1818.2 | 1795.2 | 1781.2 | 1768.4 | 1758.2 | 1750.5 | 1746.6 | 1742.8 | 1741.5 | 1736.4 | 1731.3 |
| 37.5° | 1516.5 | 1499.9 | 1489.6 | 1482.0 | 1473.0 | 1465.3 | 1466.6 | 1467.9 | 1471.7 | 1469.2 | 1470.4 |
| 40° | 1196.8 | 1193.0 | 1196.8 | 1187.9 | 1185.3 | 1187.9 | 1194.2 | 1203.2 | 1208.3 | 1213.4 | 1222.4 |
| 42.5° | 910.4 | 916.8 | 925.8 | 925.8 | 929.6 | 934.7 | 942.3 | 956.4 | 964.1 | 973.0 | 983.3 |
| 45° | 685.4 | 693.0 | 704.6 | 708.4 | 710.9 | 717.3 | 726.3 | 737.8 | 742.9 | 750.6 | 759.5 |
| 47.5° | 528.1 | 533.2 | 539.6 | 546.0 | 552.4 | 554.9 | 563.9 | 563.9 | 570.3 | 575.4 | 577.9 |
| 50° | 411.7 | 416.8 | 421.9 | 425.8 | 428.4 | 432.2 | 434.7 | 438.6 | 439.8 | 442.4 | 443.7 |
| 52.5° | 322.2 | 328.6 | 328.6 | 331.1 | 335.0 | 338.8 | 337.6 | 338.8 | 340.1 | 340.1 | 343.9 |
| 55° | 251.9 | 251.9 | 255.7 | 255.7 | 258.3 | 257.0 | 258.3 | 258.3 | 258.3 | 258.3 | 259.6 |
| 57.5° | 187.9 | 189.3 | 193.1 | 190.5 | 189.3 | 191.8 | 189.3 | 191.8 | 190.5 | 193.1 | 189.3 |
| 60° | 144.5 | 144.5 | 145.8 | 145.8 | 147.0 | 147.0 | 147.0 | 145.8 | 145.8 | 144.5 | 144.5 |
| 62.5° | 108.7 | 109.9 | 111.3 | 109.9 | 109.9 | 109.9 | 108.7 | 108.7 | 107.4 | 106.1 | 106.1 |
| 65° | 72.9 | 71.6 | 74.2 | 71.6 | 72.9 | 72.9 | 71.6 | 72.9 | 69.1 | 70.3 | 69.1 |
| 67.5° | 52.4 | 51.2 | 49.9 | 51.2 | 49.9 | 48.6 | 48.6 | 49.9 | 51.2 | 47.3 | 47.3 |
| 70° | 34.5 | 35.8 | 34.5 | 35.8 | 37.1 | 37.1 | 35.8 | 34.5 | 35.8 | 33.3 | 34.5 |
| 72.5° | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 23.0 | 23.0 | 23.0 | 20.5 | 20.5 | 19.2 |
| 75° | 10.2 | 14.1 | 11.5 | 10.2 | 14.1 | 14.1 | 12.8 | 12.8 | 11.5 | 11.5 | 11.5 |
| 77.5° | 10.2 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 6.4 | 7.7 | 6.4 |
| 80° | 5.1 | 5.1 | 5.1 | 3.8 | 5.1 | 5.1 | 6.4 | 5.1 | 5.1 | 3.8 | 6.4 |
| 82.5° | 2.6 | 2.6 | 2.6 | 0.0 | 1.3 | 2.6 | 2.6 | 1.3 | 2.6 | 2.6 | 1.3 |
| 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: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 |
| 2.5° | 2648.1 | 2646.8 | 2648.1 | 2649.4 | 2648.1 | 2646.8 | 2648.1 | 2649.4 | 2644.2 | 2643.0 | 2645.5 |
| 5° | 2704.4 | 2704.4 | 2706.9 | 2708.2 | 2706.9 | 2704.4 | 2704.4 | 2699.2 | 2695.4 | 2691.6 | 2690.3 |
| 7.5° | 2752.9 | 2755.5 | 2758.0 | 2759.3 | 2758.0 | 2755.5 | 2752.9 | 2745.2 | 2737.6 | 2731.2 | 2726.1 |
| 10° | 2782.4 | 2786.2 | 2791.3 | 2793.8 | 2791.3 | 2786.2 | 2782.4 | 2773.4 | 2763.1 | 2752.9 | 2745.2 |
| 12.5° | 2795.1 | 2799.0 | 2805.4 | 2804.1 | 2805.4 | 2799.0 | 2795.1 | 2782.4 | 2770.8 | 2756.8 | 2745.2 |
| 15° | 2786.2 | 2791.3 | 2797.7 | 2800.2 | 2797.7 | 2791.3 | 2786.2 | 2773.4 | 2763.1 | 2747.8 | 2736.3 |
| 17.5° | 2758.0 | 2765.7 | 2769.6 | 2773.4 | 2769.6 | 2765.7 | 2758.0 | 2747.8 | 2733.8 | 2721.0 | 2709.5 |
| 20° | 2719.7 | 2724.8 | 2729.9 | 2731.2 | 2729.9 | 2724.8 | 2719.7 | 2708.2 | 2686.5 | 2683.9 | 2674.9 |
| 22.5° | 2664.7 | 2668.6 | 2680.0 | 2676.2 | 2680.0 | 2668.6 | 2664.7 | 2654.5 | 2646.8 | 2632.7 | 2623.8 |
| 25° | 2585.4 | 2589.3 | 2590.6 | 2591.8 | 2590.6 | 2589.3 | 2585.4 | 2576.5 | 2568.8 | 2558.6 | 2553.5 |
| 27.5° | 2448.6 | 2448.6 | 2451.1 | 2452.5 | 2451.1 | 2448.6 | 2448.6 | 2442.2 | 2437.1 | 2432.0 | 2426.9 |
| 30° | 2241.5 | 2241.5 | 2241.5 | 2247.9 | 2241.5 | 2241.5 | 2241.5 | 2240.2 | 2240.2 | 2241.5 | 2241.5 |
| 32.5° | 2002.4 | 1999.8 | 1997.3 | 1999.8 | 1997.3 | 1999.8 | 2002.4 | 2003.6 | 2002.4 | 2006.2 | 2012.6 |
| 35° | 1731.3 | 1730.0 | 1733.9 | 1728.7 | 1733.9 | 1730.0 | 1731.3 | 1731.3 | 1736.4 | 1741.5 | 1742.8 |
| 37.5° | 1471.7 | 1469.2 | 1474.3 | 1469.2 | 1474.3 | 1469.2 | 1471.7 | 1470.4 | 1469.2 | 1471.7 | 1467.9 |
| 40° | 1225.0 | 1227.5 | 1227.5 | 1237.8 | 1227.5 | 1227.5 | 1225.0 | 1222.4 | 1213.4 | 1208.3 | 1203.2 |
| 42.5° | 988.4 | 996.1 | 993.5 | 1001.2 | 993.5 | 996.1 | 988.4 | 983.3 | 973.0 | 964.1 | 956.4 |
| 45° | 764.6 | 769.8 | 769.8 | 772.3 | 769.8 | 769.8 | 764.6 | 759.5 | 750.6 | 742.9 | 737.8 |
| 47.5° | 586.9 | 586.9 | 586.9 | 588.2 | 586.9 | 586.9 | 586.9 | 577.9 | 575.4 | 570.3 | 563.9 |
| 50° | 446.3 | 447.5 | 448.8 | 450.1 | 448.8 | 447.5 | 446.3 | 443.7 | 442.4 | 439.8 | 438.6 |
| 52.5° | 342.7 | 343.9 | 341.4 | 343.9 | 341.4 | 343.9 | 342.7 | 343.9 | 340.1 | 340.1 | 338.8 |
| 55° | 259.6 | 258.3 | 259.6 | 260.8 | 259.6 | 258.3 | 259.6 | 259.6 | 258.3 | 258.3 | 258.3 |
| 57.5° | 190.5 | 187.9 | 187.9 | 187.9 | 187.9 | 187.9 | 190.5 | 189.3 | 193.1 | 190.5 | 191.8 |
| 60° | 141.9 | 143.2 | 143.2 | 144.5 | 143.2 | 143.2 | 141.9 | 144.5 | 144.5 | 145.8 | 145.8 |
| 62.5° | 104.8 | 108.7 | 106.1 | 108.7 | 106.1 | 108.7 | 104.8 | 106.1 | 106.1 | 107.4 | 108.7 |
| 65° | 67.8 | 67.8 | 67.8 | 69.1 | 67.8 | 67.8 | 67.8 | 69.1 | 70.3 | 69.1 | 72.9 |
| 67.5° | 46.1 | 47.3 | 49.9 | 48.6 | 49.9 | 47.3 | 46.1 | 47.3 | 47.3 | 51.2 | 49.9 |
| 70° | 37.1 | 33.3 | 33.3 | 37.1 | 33.3 | 33.3 | 37.1 | 34.5 | 33.3 | 35.8 | 34.5 |
| 72.5° | 21.7 | 19.2 | 21.7 | 21.7 | 21.7 | 19.2 | 21.7 | 19.2 | 20.5 | 20.5 | 23.0 |
| 75° | 11.5 | 10.2 | 8.9 | 12.8 | 8.9 | 10.2 | 11.5 | 11.5 | 11.5 | 11.5 | 12.8 |
| 77.5° | 7.7 | 6.4 | 8.9 | 8.9 | 8.9 | 6.4 | 7.7 | 6.4 | 7.7 | 6.4 | 7.7 |
| 80° | 3.8 | 5.1 | 3.8 | 6.4 | 3.8 | 5.1 | 3.8 | 6.4 | 3.8 | 5.1 | 5.1 |
| 82.5° | 1.3 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.3 | 1.3 | 2.6 | 2.6 | 1.3 |
| 85° | 0.0 | 2.6 | 1.3 | 1.3 | 1.3 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.3 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 1.3 | 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: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 |
| 2.5° | 2645.5 | 2641.7 | 2643.0 | 2635.3 | 2635.3 | 2632.7 | 2634.0 | 2627.6 | 2625.1 | 2622.5 | 2626.4 |
| 5° | 2683.9 | 2677.5 | 2672.4 | 2660.9 | 2654.5 | 2646.8 | 2643.0 | 2632.7 | 2623.8 | 2616.1 | 2614.8 |
| 7.5° | 2714.6 | 2700.5 | 2691.6 | 2676.2 | 2664.7 | 2655.8 | 2643.0 | 2628.9 | 2617.4 | 2607.1 | 2599.5 |
| 10° | 2727.4 | 2713.3 | 2699.2 | 2680.0 | 2667.2 | 2650.6 | 2637.8 | 2619.9 | 2604.6 | 2590.6 | 2581.6 |
| 12.5° | 2728.6 | 2710.7 | 2697.9 | 2676.2 | 2659.6 | 2641.7 | 2627.6 | 2607.1 | 2589.3 | 2575.2 | 2561.1 |
| 15° | 2717.1 | 2700.5 | 2685.1 | 2662.1 | 2645.5 | 2628.9 | 2612.3 | 2590.6 | 2573.9 | 2557.3 | 2547.1 |
| 17.5° | 2691.6 | 2676.2 | 2658.3 | 2636.6 | 2621.2 | 2605.9 | 2588.0 | 2570.1 | 2550.9 | 2533.0 | 2520.2 |
| 20° | 2658.3 | 2641.7 | 2626.4 | 2604.6 | 2591.8 | 2575.2 | 2558.6 | 2539.4 | 2524.0 | 2506.1 | 2492.1 |
| 22.5° | 2608.5 | 2593.1 | 2579.0 | 2566.3 | 2545.8 | 2533.0 | 2521.5 | 2499.8 | 2484.4 | 2467.8 | 2452.5 |
| 25° | 2536.8 | 2521.5 | 2510.0 | 2494.6 | 2485.7 | 2471.6 | 2460.1 | 2440.9 | 2426.9 | 2411.5 | 2398.7 |
| 27.5° | 2419.2 | 2410.3 | 2403.8 | 2394.9 | 2387.3 | 2380.8 | 2374.5 | 2359.1 | 2348.9 | 2334.8 | 2322.0 |
| 30° | 2242.7 | 2241.5 | 2237.6 | 2233.8 | 2238.9 | 2238.9 | 2238.9 | 2236.4 | 2227.4 | 2217.2 | 2208.2 |
| 32.5° | 2016.4 | 2019.0 | 2024.1 | 2027.9 | 2038.2 | 2049.7 | 2059.9 | 2065.0 | 2065.0 | 2058.6 | 2054.8 |
| 35° | 1746.6 | 1750.5 | 1758.2 | 1768.4 | 1781.2 | 1795.2 | 1818.2 | 1823.4 | 1827.2 | 1827.2 | 1822.1 |
| 37.5° | 1466.6 | 1465.3 | 1473.0 | 1482.0 | 1489.6 | 1499.9 | 1516.5 | 1520.3 | 1526.7 | 1524.2 | 1519.0 |
| 40° | 1194.2 | 1187.9 | 1185.3 | 1187.9 | 1196.8 | 1193.0 | 1196.8 | 1194.2 | 1194.2 | 1185.3 | 1185.3 |
| 42.5° | 942.3 | 934.7 | 929.6 | 925.8 | 925.8 | 916.8 | 910.4 | 904.0 | 900.2 | 893.8 | 892.5 |
| 45° | 726.3 | 717.3 | 710.9 | 708.4 | 704.6 | 693.0 | 685.4 | 677.7 | 668.7 | 666.2 | 667.5 |
| 47.5° | 563.9 | 554.9 | 552.4 | 546.0 | 539.6 | 533.2 | 528.1 | 519.1 | 517.8 | 512.7 | 517.8 |
| 50° | 434.7 | 432.2 | 428.4 | 425.8 | 421.9 | 416.8 | 411.7 | 406.6 | 404.0 | 404.0 | 405.3 |
| 52.5° | 337.6 | 338.8 | 335.0 | 331.1 | 328.6 | 328.6 | 322.2 | 320.9 | 320.9 | 315.8 | 320.9 |
| 55° | 258.3 | 257.0 | 258.3 | 255.7 | 255.7 | 251.9 | 251.9 | 248.0 | 248.0 | 244.2 | 246.8 |
| 57.5° | 189.3 | 191.8 | 189.3 | 190.5 | 193.1 | 189.3 | 187.9 | 184.1 | 186.7 | 184.1 | 185.4 |
| 60° | 147.0 | 147.0 | 147.0 | 145.8 | 145.8 | 144.5 | 144.5 | 143.2 | 143.2 | 140.6 | 143.2 |
| 62.5° | 108.7 | 109.9 | 109.9 | 109.9 | 111.3 | 109.9 | 108.7 | 109.9 | 108.7 | 108.7 | 109.9 |
| 65° | 71.6 | 72.9 | 72.9 | 71.6 | 74.2 | 71.6 | 72.9 | 74.2 | 75.4 | 74.2 | 75.4 |
| 67.5° | 48.6 | 48.6 | 49.9 | 51.2 | 49.9 | 51.2 | 52.4 | 51.2 | 52.4 | 55.0 | 52.4 |
| 70° | 35.8 | 37.1 | 37.1 | 35.8 | 34.5 | 35.8 | 34.5 | 38.4 | 38.4 | 38.4 | 40.9 |
| 72.5° | 23.0 | 23.0 | 21.7 | 21.7 | 21.7 | 21.7 | 21.7 | 25.6 | 23.0 | 21.7 | 24.3 |
| 75° | 12.8 | 14.1 | 14.1 | 10.2 | 11.5 | 14.1 | 10.2 | 11.5 | 15.4 | 12.8 | 15.4 |
| 77.5° | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 10.2 | 8.9 | 8.9 | 8.9 | 10.2 |
| 80° | 6.4 | 5.1 | 5.1 | 3.8 | 5.1 | 5.1 | 5.1 | 7.7 | 6.4 | 6.4 | 7.7 |
| 82.5° | 2.6 | 2.6 | 1.3 | 0.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 5.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 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: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 |
| 2.5° | 2616.1 | 2616.1 | 2614.8 | 2612.3 | 2607.1 | 2607.1 | 2605.9 | 2602.0 | 2599.5 | 2598.2 | 2598.2 |
| 5° | 2603.3 | 2598.2 | 2593.1 | 2579.0 | 2579.0 | 2576.5 | 2568.8 | 2563.7 | 2561.1 | 2554.7 | 2552.2 |
| 7.5° | 2591.8 | 2576.5 | 2567.5 | 2558.6 | 2547.1 | 2541.9 | 2533.0 | 2529.1 | 2520.2 | 2513.8 | 2510.0 |
| 10° | 2563.7 | 2553.5 | 2541.9 | 2527.9 | 2518.9 | 2508.7 | 2498.5 | 2490.8 | 2479.3 | 2472.9 | 2467.8 |
| 12.5° | 2544.5 | 2529.1 | 2518.9 | 2503.6 | 2488.3 | 2479.3 | 2465.3 | 2456.3 | 2444.8 | 2432.0 | 2424.3 |
| 15° | 2526.6 | 2510.0 | 2495.9 | 2479.3 | 2462.7 | 2452.5 | 2435.8 | 2425.6 | 2409.0 | 2396.2 | 2387.3 |
| 17.5° | 2499.8 | 2485.7 | 2470.4 | 2449.9 | 2434.6 | 2421.8 | 2403.8 | 2391.1 | 2375.7 | 2359.1 | 2350.2 |
| 20° | 2471.6 | 2455.0 | 2439.7 | 2419.2 | 2403.8 | 2388.5 | 2370.6 | 2356.6 | 2338.6 | 2323.3 | 2313.1 |
| 22.5° | 2434.6 | 2415.4 | 2402.6 | 2382.1 | 2364.2 | 2347.6 | 2331.0 | 2314.4 | 2297.7 | 2284.9 | 2273.4 |
| 25° | 2380.8 | 2360.4 | 2346.3 | 2329.7 | 2313.1 | 2300.3 | 2279.8 | 2269.6 | 2253.0 | 2241.5 | 2229.9 |
| 27.5° | 2304.1 | 2288.8 | 2276.0 | 2259.4 | 2245.3 | 2235.1 | 2219.7 | 2209.5 | 2195.4 | 2185.2 | 2176.3 |
| 30° | 2191.6 | 2178.8 | 2167.3 | 2150.7 | 2140.5 | 2131.5 | 2117.4 | 2108.5 | 2098.3 | 2086.7 | 2084.2 |
| 32.5° | 2040.7 | 2030.5 | 2019.0 | 2007.5 | 1999.8 | 1994.7 | 1983.2 | 1978.1 | 1967.8 | 1961.4 | 1955.1 |
| 35° | 1813.1 | 1804.2 | 1797.8 | 1792.7 | 1790.1 | 1791.4 | 1788.8 | 1794.0 | 1796.5 | 1795.2 | 1796.5 |
| 37.5° | 1515.2 | 1510.1 | 1512.6 | 1516.5 | 1529.3 | 1545.9 | 1561.2 | 1584.2 | 1599.6 | 1615.0 | 1629.0 |
| 40° | 1182.8 | 1186.6 | 1196.8 | 1219.8 | 1253.1 | 1290.2 | 1324.7 | 1368.2 | 1411.6 | 1442.3 | 1470.4 |
| 42.5° | 892.5 | 904.0 | 929.6 | 962.8 | 1012.7 | 1067.7 | 1121.4 | 1185.3 | 1237.8 | 1288.9 | 1324.7 |
| 45° | 671.3 | 686.6 | 719.9 | 765.9 | 820.9 | 884.8 | 952.6 | 1024.2 | 1086.9 | 1139.3 | 1178.9 |
| 47.5° | 523.0 | 537.0 | 570.3 | 618.9 | 686.6 | 753.1 | 823.5 | 897.6 | 962.8 | 1014.0 | 1048.5 |
| 50° | 413.0 | 430.9 | 460.3 | 511.5 | 579.2 | 649.6 | 722.5 | 795.3 | 856.7 | 900.2 | 930.9 |
| 52.5° | 324.8 | 341.4 | 369.5 | 423.3 | 492.3 | 562.6 | 630.4 | 702.0 | 755.7 | 797.9 | 818.3 |
| 55° | 251.9 | 267.3 | 296.6 | 341.4 | 406.6 | 475.7 | 543.4 | 604.8 | 654.7 | 685.4 | 704.6 |
| 57.5° | 191.8 | 203.3 | 223.8 | 268.5 | 327.4 | 391.3 | 448.8 | 510.2 | 548.6 | 570.3 | 583.0 |
| 60° | 145.8 | 154.7 | 176.5 | 211.0 | 264.7 | 319.7 | 368.3 | 414.3 | 445.0 | 462.9 | 475.7 |
| 62.5° | 109.9 | 120.2 | 135.5 | 164.9 | 205.8 | 250.6 | 291.5 | 326.0 | 351.6 | 363.1 | 372.1 |
| 65° | 75.4 | 83.1 | 94.6 | 117.6 | 152.2 | 184.1 | 216.1 | 241.7 | 258.3 | 271.1 | 276.2 |
| 67.5° | 56.3 | 61.4 | 67.8 | 85.7 | 109.9 | 135.5 | 157.3 | 175.2 | 193.1 | 198.2 | 207.2 |
| 70° | 42.2 | 46.1 | 52.4 | 65.2 | 79.3 | 97.2 | 115.1 | 125.3 | 138.1 | 147.0 | 149.6 |
| 72.5° | 26.8 | 28.1 | 34.5 | 42.2 | 53.7 | 65.2 | 76.7 | 85.7 | 93.4 | 98.5 | 101.0 |
| 75° | 15.4 | 23.0 | 23.0 | 30.7 | 38.4 | 43.5 | 51.2 | 57.5 | 61.4 | 65.2 | 65.2 |
| 77.5° | 10.2 | 14.1 | 15.4 | 19.2 | 23.0 | 29.4 | 35.8 | 39.6 | 43.5 | 44.7 | 44.7 |
| 80° | 8.9 | 10.2 | 10.2 | 14.1 | 16.6 | 21.7 | 25.6 | 26.8 | 29.4 | 30.7 | 33.3 |
| 82.5° | 3.8 | 5.1 | 6.4 | 10.2 | 11.5 | 11.5 | 15.4 | 16.6 | 19.2 | 20.5 | 20.5 |
| 85° | 1.3 | 2.6 | 2.6 | 3.8 | 6.4 | 7.7 | 8.9 | 10.2 | 11.5 | 11.5 | 12.8 |
| 87.5° | 1.3 | 1.3 | 0.0 | 1.3 | 2.6 | 2.6 | 5.1 | 5.1 | 5.1 | 7.7 | 7.7 |
| 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: P245986

CATALOG NUMBER: LSR8B40D010 EC8B40850 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 | 2618.7 |
| 2.5° | 2595.7 | 2596.9 | 2591.8 | 2590.6 | 2588.0 | 2589.3 | 2591.8 |
| 5° | 2548.4 | 2549.6 | 2544.5 | 2539.4 | 2539.4 | 2538.1 | 2539.4 |
| 7.5° | 2503.6 | 2504.9 | 2497.2 | 2494.6 | 2489.5 | 2490.8 | 2490.8 |
| 10° | 2458.8 | 2458.8 | 2447.4 | 2446.0 | 2442.2 | 2440.9 | 2440.9 |
| 12.5° | 2415.4 | 2411.5 | 2402.6 | 2397.5 | 2400.0 | 2392.4 | 2392.4 |
| 15° | 2377.0 | 2370.6 | 2359.1 | 2355.3 | 2348.9 | 2346.3 | 2346.3 |
| 17.5° | 2337.4 | 2332.3 | 2322.0 | 2314.4 | 2306.7 | 2305.4 | 2306.7 |
| 20° | 2299.0 | 2293.9 | 2281.1 | 2276.0 | 2269.6 | 2269.6 | 2267.0 |
| 22.5° | 2260.6 | 2255.5 | 2244.0 | 2240.2 | 2231.3 | 2231.3 | 2232.5 |
| 25° | 2221.0 | 2217.2 | 2204.4 | 2201.8 | 2200.6 | 2195.4 | 2198.0 |
| 27.5° | 2167.3 | 2164.7 | 2154.5 | 2150.7 | 2145.6 | 2144.3 | 2146.8 |
| 30° | 2068.8 | 2065.0 | 2057.4 | 2053.5 | 2044.6 | 2045.8 | 2048.4 |
| 32.5° | 1946.1 | 1941.0 | 1930.7 | 1926.9 | 1919.3 | 1916.7 | 1918.0 |
| 35° | 1792.7 | 1788.8 | 1779.9 | 1779.9 | 1772.2 | 1769.6 | 1772.2 |
| 37.5° | 1636.7 | 1640.5 | 1636.7 | 1640.5 | 1636.7 | 1635.4 | 1636.7 |
| 40° | 1489.6 | 1503.7 | 1506.2 | 1520.3 | 1515.2 | 1522.9 | 1521.6 |
| 42.5° | 1349.0 | 1372.0 | 1381.0 | 1392.4 | 1389.9 | 1395.0 | 1398.9 |
| 45° | 1207.0 | 1226.2 | 1235.2 | 1242.9 | 1244.1 | 1246.7 | 1248.0 |
| 47.5° | 1072.8 | 1088.1 | 1089.4 | 1098.3 | 1097.1 | 1097.1 | 1100.9 |
| 50° | 947.5 | 957.7 | 960.2 | 966.7 | 961.6 | 959.0 | 960.2 |
| 52.5° | 831.1 | 841.3 | 838.8 | 841.3 | 835.0 | 832.4 | 833.7 |
| 55° | 712.2 | 717.3 | 717.3 | 717.3 | 709.7 | 709.7 | 709.7 |
| 57.5° | 590.7 | 592.0 | 589.5 | 590.7 | 589.5 | 581.8 | 580.5 |
| 60° | 479.5 | 479.5 | 478.2 | 479.5 | 475.7 | 471.8 | 471.8 |
| 62.5° | 374.6 | 377.2 | 382.3 | 377.2 | 374.6 | 377.2 | 373.4 |
| 65° | 280.0 | 285.2 | 283.8 | 286.4 | 285.2 | 285.2 | 282.6 |
| 67.5° | 211.0 | 212.3 | 213.5 | 214.8 | 214.8 | 214.8 | 214.8 |
| 70° | 154.7 | 158.6 | 157.3 | 157.3 | 157.3 | 157.3 | 164.9 |
| 72.5° | 103.6 | 108.7 | 107.4 | 109.9 | 109.9 | 112.5 | 109.9 |
| 75° | 70.3 | 75.4 | 72.9 | 76.7 | 75.4 | 72.9 | 79.3 |
| 77.5° | 47.3 | 49.9 | 51.2 | 52.4 | 51.2 | 49.9 | 51.2 |
| 80° | 33.3 | 35.8 | 34.5 | 35.8 | 35.8 | 35.8 | 37.1 |
| 82.5° | 20.5 | 24.3 | 23.0 | 24.3 | 23.0 | 24.3 | 24.3 |
| 85° | 14.1 | 15.4 | 12.8 | 15.4 | 14.1 | 14.1 | 16.6 |
| 87.5° | 8.9 | 7.7 | 7.7 | 8.9 | 7.7 | 8.9 | 7.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)