

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: P249007

Luminaire Tested: **LSR8B150D010 EC8B150840 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249007
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: LSR8B150D010 EC8B150840 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15976.0 lumens
Efficiency: N/A
Efficacy: 100.8 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

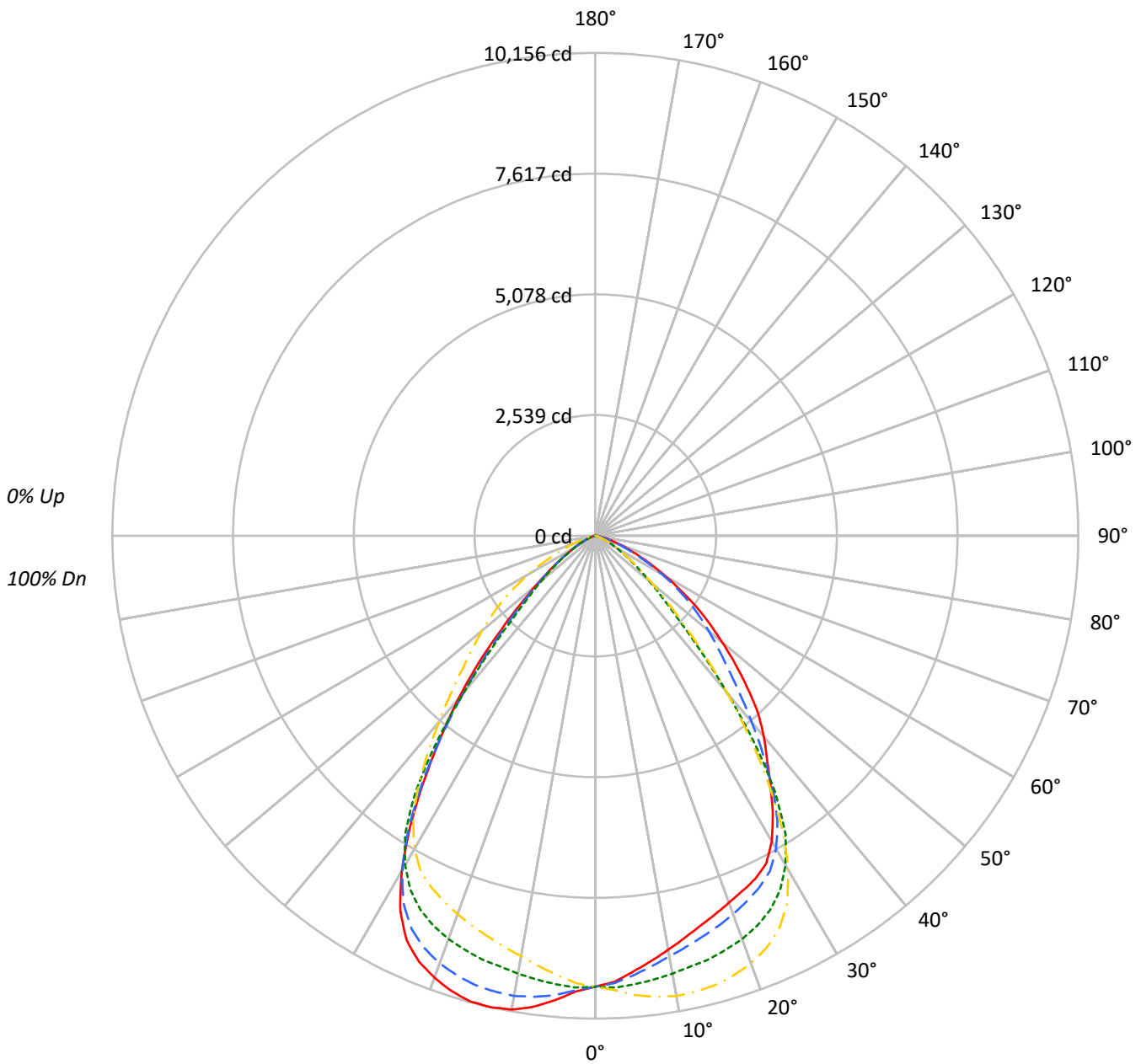
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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



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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 | 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° | 292464 | 292464 | 292464 | 292464 |
| 5° | 284697 | 293151 | 303620 | 293151 |
| 10° | 276820 | 292770 | 316840 | 292770 |
| 15° | 271291 | 294506 | 323777 | 294506 |
| 20° | 269443 | 296191 | 324609 | 296191 |
| 25° | 270859 | 295595 | 319391 | 295595 |
| 30° | 264163 | 284775 | 289892 | 284775 |
| 35° | 241627 | 248422 | 235702 | 248422 |
| 40° | 221840 | 172806 | 180458 | 172806 |
| 45° | 197113 | 105421 | 121979 | 105421 |
| 50° | 166840 | 70424 | 78205 | 70424 |
| 55° | 138183 | 48052 | 50788 | 48052 |
| 60° | 105392 | 31990 | 32267 | 31990 |
| 65° | 74672 | 19934 | 18249 | 19934 |
| 70° | 53861 | 13353 | 12117 | 13353 |
| 75° | 34206 | 6636 | 5516 | 6636 |
| 80° | 23867 | 4937 | 4102 | 4937 |
| 85° | 21299 | 0 | 1628 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 902.7 | 5.7 |
| 10°-20° | 2614.2 | 16.4 |
| 20°-30° | 3958.4 | 24.8 |
| 30°-40° | 3967.3 | 24.8 |
| 40°-50° | 2491.3 | 15.6 |
| 50°-60° | 1327.6 | 8.3 |
| 60°-70° | 545.9 | 3.4 |
| 70°-80° | 144.2 | 0.9 |
| 80°-90° | 24.4 | 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° | 7475.3 | 46.8 |
| 0°-40° | 11442.6 | 71.6 |
| 0°-60° | 15261.4 | 95.5 |
| 0°-90° | 15976.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 15976.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|-------|------|------|------|
| 0° | 9484 | 9484 | 9484 | 9484 | 9484 | |
| 5° | 9197 | 9470 | 9809 | 9470 | 9197 | 867 |
| 15° | 8498 | 9225 | 10142 | 9225 | 8498 | 2403 |
| 25° | 7961 | 8688 | 9387 | 8688 | 7961 | 3651 |
| 35° | 6419 | 6599 | 6261 | 6599 | 6419 | 4021 |
| 45° | 4520 | 2417 | 2797 | 2417 | 4520 | 3476 |
| 55° | 2570 | 894 | 945 | 894 | 2570 | 2292 |
| 65° | 1023 | 273 | 250 | 273 | 1023 | 1062 |
| 75° | 287 | 56 | 46 | 56 | 287 | 325 |
| 85° | 60 | 0 | 5 | 0 | 60 | 66 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249007

CATALOG NUMBER: LSR8B150D010 EC8B150840 8LBSW0MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 |
| 2.5° | 9387.2 | 9377.9 | 9373.3 | 9382.7 | 9387.2 | 9405.7 | 9401.1 | 9410.3 | 9410.3 | 9415.1 | 9424.2 |
| 5° | 9197.4 | 9192.6 | 9197.4 | 9197.4 | 9215.9 | 9234.4 | 9229.8 | 9243.7 | 9252.8 | 9276.1 | 9285.2 |
| 7.5° | 9021.4 | 9021.4 | 9016.7 | 9035.2 | 9044.5 | 9072.3 | 9067.6 | 9090.8 | 9104.7 | 9127.8 | 9160.2 |
| 10° | 8840.7 | 8840.7 | 8845.3 | 8859.2 | 8864.0 | 8905.5 | 8905.5 | 8937.9 | 8956.4 | 8979.7 | 9021.4 |
| 12.5° | 8664.8 | 8664.8 | 8692.6 | 8683.3 | 8701.8 | 8734.2 | 8748.1 | 8780.5 | 8808.3 | 8854.6 | 8896.4 |
| 15° | 8498.0 | 8498.0 | 8507.3 | 8530.4 | 8544.3 | 8586.1 | 8609.1 | 8646.3 | 8678.7 | 8725.0 | 8785.3 |
| 17.5° | 8354.5 | 8349.9 | 8354.5 | 8382.3 | 8410.1 | 8447.1 | 8465.6 | 8511.9 | 8544.3 | 8604.5 | 8660.2 |
| 20° | 8210.9 | 8220.3 | 8220.3 | 8243.3 | 8261.8 | 8308.1 | 8326.6 | 8377.7 | 8414.7 | 8470.2 | 8535.2 |
| 22.5° | 8085.9 | 8081.3 | 8081.3 | 8113.7 | 8127.6 | 8169.2 | 8187.7 | 8234.0 | 8275.7 | 8322.0 | 8382.3 |
| 25° | 7960.8 | 7951.5 | 7970.2 | 7974.7 | 7983.9 | 8030.2 | 8044.1 | 8076.5 | 8118.3 | 8160.0 | 8220.3 |
| 27.5° | 7775.5 | 7766.4 | 7771.0 | 7789.5 | 7803.4 | 7840.4 | 7849.7 | 7882.1 | 7914.5 | 7951.5 | 8002.6 |
| 30° | 7418.9 | 7409.7 | 7405.2 | 7437.6 | 7451.5 | 7479.1 | 7493.0 | 7548.7 | 7557.9 | 7599.6 | 7636.6 |
| 32.5° | 6946.5 | 6942.0 | 6951.3 | 6978.9 | 6992.9 | 7030.0 | 7048.5 | 7080.9 | 7104.0 | 7127.2 | 7164.2 |
| 35° | 6418.7 | 6409.4 | 6418.7 | 6446.5 | 6446.5 | 6479.0 | 6492.9 | 6506.6 | 6502.0 | 6506.6 | 6497.4 |
| 37.5° | 5927.9 | 5923.1 | 5927.9 | 5941.6 | 5927.9 | 5941.6 | 5927.9 | 5900.0 | 5849.1 | 5793.5 | 5737.8 |
| 40° | 5511.0 | 5515.6 | 5487.9 | 5506.4 | 5455.3 | 5446.2 | 5395.3 | 5325.7 | 5223.9 | 5112.8 | 4955.3 |
| 42.5° | 5066.5 | 5052.6 | 5034.1 | 5043.2 | 5001.7 | 4969.1 | 4885.8 | 4797.9 | 4668.1 | 4483.0 | 4292.9 |
| 45° | 4520.0 | 4515.4 | 4506.0 | 4501.5 | 4473.6 | 4441.2 | 4371.7 | 4269.9 | 4126.3 | 3936.5 | 3709.4 |
| 47.5° | 3987.4 | 3973.5 | 3973.5 | 3978.0 | 3945.6 | 3941.1 | 3885.4 | 3797.5 | 3672.5 | 3487.2 | 3251.0 |
| 50° | 3477.8 | 3473.3 | 3482.6 | 3501.1 | 3477.8 | 3468.7 | 3431.7 | 3371.5 | 3260.3 | 3102.9 | 2880.4 |
| 52.5° | 3019.4 | 3014.8 | 3024.2 | 3047.2 | 3037.9 | 3047.2 | 3010.3 | 2963.9 | 2889.8 | 2736.9 | 2542.5 |
| 55° | 2570.3 | 2570.3 | 2570.3 | 2597.9 | 2597.9 | 2597.9 | 2579.5 | 2551.8 | 2482.2 | 2371.1 | 2190.6 |
| 57.5° | 2102.5 | 2107.1 | 2134.9 | 2139.5 | 2134.9 | 2144.3 | 2139.5 | 2111.7 | 2065.5 | 1986.8 | 1847.9 |
| 60° | 1708.9 | 1708.9 | 1722.8 | 1736.7 | 1732.0 | 1736.7 | 1736.7 | 1722.8 | 1676.5 | 1611.7 | 1500.6 |
| 62.5° | 1352.3 | 1366.2 | 1356.8 | 1366.2 | 1384.7 | 1366.2 | 1356.8 | 1347.7 | 1315.3 | 1273.5 | 1180.9 |
| 65° | 1023.4 | 1032.8 | 1032.8 | 1037.3 | 1028.0 | 1032.8 | 1014.3 | 1000.4 | 981.9 | 935.6 | 875.3 |
| 67.5° | 778.1 | 778.1 | 778.1 | 778.1 | 773.3 | 768.8 | 764.2 | 750.3 | 717.9 | 699.4 | 634.4 |
| 70° | 597.4 | 569.6 | 569.6 | 569.6 | 569.6 | 574.3 | 560.4 | 541.9 | 532.6 | 500.2 | 453.9 |
| 72.5° | 398.2 | 407.5 | 398.2 | 398.2 | 389.1 | 393.6 | 375.1 | 365.8 | 356.6 | 338.2 | 310.3 |
| 75° | 287.1 | 264.0 | 273.2 | 277.9 | 264.0 | 273.2 | 254.7 | 236.2 | 236.2 | 222.3 | 208.3 |
| 77.5° | 185.3 | 180.7 | 185.3 | 189.9 | 185.3 | 180.7 | 171.4 | 162.0 | 162.0 | 157.5 | 143.5 |
| 80° | 134.4 | 129.6 | 129.6 | 129.6 | 125.0 | 129.6 | 120.5 | 120.5 | 111.1 | 106.6 | 97.2 |
| 82.5° | 88.1 | 88.1 | 83.3 | 88.1 | 83.3 | 88.1 | 74.2 | 74.2 | 74.2 | 69.4 | 60.2 |
| 85° | 60.2 | 50.9 | 50.9 | 55.7 | 46.3 | 55.7 | 50.9 | 46.3 | 41.7 | 41.7 | 37.0 |
| 87.5° | 27.8 | 32.4 | 27.8 | 32.4 | 27.8 | 27.8 | 32.4 | 27.8 | 27.8 | 18.5 | 18.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P249007

CATALOG NUMBER: LSR8B150D010 EC8B150840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 |
| 2.5° | 9438.1 | 9442.7 | 9442.7 | 9461.4 | 9470.5 | 9475.1 | 9475.1 | 9512.3 | 9498.4 | 9507.7 | 9516.9 |
| 5° | 9303.9 | 9331.6 | 9340.9 | 9340.9 | 9391.8 | 9410.3 | 9428.8 | 9470.5 | 9475.1 | 9502.9 | 9535.3 |
| 7.5° | 9174.1 | 9206.5 | 9225.2 | 9266.8 | 9299.2 | 9331.6 | 9387.2 | 9415.1 | 9442.7 | 9479.9 | 9521.4 |
| 10° | 9049.1 | 9086.2 | 9123.2 | 9155.6 | 9206.5 | 9248.3 | 9285.2 | 9350.1 | 9382.7 | 9433.5 | 9489.0 |
| 12.5° | 8928.8 | 8979.7 | 9012.1 | 9067.6 | 9123.2 | 9160.2 | 9215.9 | 9276.1 | 9327.0 | 9377.9 | 9442.7 |
| 15° | 8822.2 | 8882.5 | 8919.5 | 8979.7 | 9039.9 | 9090.8 | 9151.1 | 9225.2 | 9262.2 | 9322.4 | 9382.7 |
| 17.5° | 8706.3 | 8771.3 | 8817.7 | 8873.1 | 8947.3 | 9002.8 | 9053.8 | 9127.8 | 9174.1 | 9238.9 | 9308.5 |
| 20° | 8586.1 | 8650.9 | 8706.3 | 8762.0 | 8836.1 | 8891.6 | 8951.9 | 9026.0 | 9076.9 | 9141.7 | 9197.4 |
| 22.5° | 8442.5 | 8502.8 | 8562.8 | 8627.6 | 8701.8 | 8748.1 | 8817.7 | 8882.5 | 8937.9 | 8998.2 | 9053.8 |
| 25° | 8257.2 | 8331.4 | 8377.7 | 8437.8 | 8498.0 | 8548.9 | 8623.0 | 8687.8 | 8734.2 | 8789.8 | 8840.7 |
| 27.5° | 8039.6 | 8095.2 | 8132.2 | 8183.1 | 8243.3 | 8289.6 | 8345.1 | 8410.1 | 8456.4 | 8507.3 | 8544.3 |
| 30° | 7669.0 | 7720.1 | 7752.5 | 7789.5 | 7849.7 | 7891.4 | 7937.8 | 7997.8 | 8030.2 | 8067.4 | 8099.8 |
| 32.5° | 7182.7 | 7224.5 | 7243.0 | 7270.8 | 7312.5 | 7354.1 | 7391.3 | 7442.2 | 7456.1 | 7479.1 | 7479.1 |
| 35° | 6479.0 | 6488.1 | 6483.5 | 6492.9 | 6511.4 | 6534.4 | 6566.8 | 6599.2 | 6617.7 | 6617.7 | 6604.0 |
| 37.5° | 5654.5 | 5599.1 | 5538.8 | 5492.5 | 5478.6 | 5469.2 | 5487.9 | 5501.6 | 5520.3 | 5529.5 | 5506.4 |
| 40° | 4797.9 | 4672.8 | 4538.5 | 4418.0 | 4334.7 | 4297.7 | 4283.8 | 4292.9 | 4292.9 | 4325.3 | 4325.3 |
| 42.5° | 4061.5 | 3866.9 | 3667.9 | 3487.2 | 3366.7 | 3274.3 | 3232.5 | 3232.5 | 3237.1 | 3260.3 | 3274.3 |
| 45° | 3450.2 | 3204.7 | 2973.1 | 2774.1 | 2607.3 | 2486.8 | 2431.3 | 2417.4 | 2412.9 | 2422.0 | 2454.4 |
| 47.5° | 2982.4 | 2727.8 | 2486.8 | 2241.5 | 2065.5 | 1945.1 | 1894.2 | 1875.5 | 1857.0 | 1875.5 | 1880.3 |
| 50° | 2616.6 | 2352.6 | 2098.0 | 1852.4 | 1667.2 | 1560.6 | 1495.8 | 1468.0 | 1463.4 | 1463.4 | 1472.7 |
| 52.5° | 2283.0 | 2037.7 | 1783.1 | 1533.0 | 1338.3 | 1236.5 | 1176.3 | 1162.4 | 1143.9 | 1162.4 | 1162.4 |
| 55° | 1968.1 | 1722.8 | 1472.7 | 1236.5 | 1074.3 | 968.0 | 912.3 | 893.8 | 884.5 | 898.4 | 898.4 |
| 57.5° | 1625.6 | 1417.1 | 1185.7 | 972.5 | 810.5 | 736.4 | 694.6 | 671.6 | 666.8 | 676.1 | 666.8 |
| 60° | 1333.8 | 1157.8 | 958.6 | 764.2 | 639.1 | 560.4 | 528.0 | 518.7 | 509.3 | 518.7 | 518.7 |
| 62.5° | 1055.8 | 907.7 | 745.5 | 597.4 | 490.8 | 435.4 | 398.2 | 398.2 | 393.6 | 393.6 | 398.2 |
| 65° | 782.7 | 666.8 | 551.1 | 426.0 | 342.7 | 301.0 | 273.2 | 273.2 | 268.6 | 273.2 | 268.6 |
| 67.5° | 569.6 | 490.8 | 398.2 | 310.3 | 245.5 | 222.3 | 203.8 | 189.9 | 199.2 | 189.9 | 185.3 |
| 70° | 416.9 | 351.9 | 287.1 | 236.2 | 189.9 | 166.8 | 152.9 | 148.1 | 139.0 | 139.0 | 139.0 |
| 72.5° | 277.9 | 236.2 | 194.4 | 152.9 | 125.0 | 101.8 | 97.2 | 88.1 | 78.7 | 83.3 | 92.6 |
| 75° | 185.3 | 157.5 | 139.0 | 111.1 | 83.3 | 83.3 | 55.7 | 55.7 | 46.3 | 55.7 | 41.7 |
| 77.5° | 129.6 | 106.6 | 83.3 | 69.4 | 55.7 | 50.9 | 37.0 | 37.0 | 32.4 | 32.4 | 32.4 |
| 80° | 92.6 | 78.7 | 60.2 | 50.9 | 37.0 | 37.0 | 32.4 | 27.8 | 23.1 | 23.1 | 27.8 |
| 82.5° | 55.7 | 41.7 | 41.7 | 37.0 | 23.1 | 18.5 | 13.9 | 18.5 | 9.3 | 9.3 | 9.3 |
| 85° | 32.4 | 27.8 | 23.1 | 13.9 | 9.3 | 9.3 | 4.6 | 0.0 | 4.6 | 4.6 | 0.0 |
| 87.5° | 18.5 | 9.3 | 9.3 | 4.6 | 0.0 | 4.6 | 4.6 | 0.0 | 0.0 | 0.0 | 9.3 |
| 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: P249007

CATALOG NUMBER: LSR8B150D010 EC8B150840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 |
| 2.5° | 9540.1 | 9535.3 | 9544.7 | 9544.7 | 9572.5 | 9567.7 | 9581.7 | 9581.7 | 9572.5 | 9577.1 | 9595.6 |
| 5° | 9572.5 | 9586.4 | 9614.1 | 9637.3 | 9678.9 | 9697.6 | 9720.6 | 9743.9 | 9748.5 | 9762.4 | 9776.3 |
| 7.5° | 9572.5 | 9618.8 | 9651.2 | 9692.8 | 9748.5 | 9780.9 | 9831.8 | 9873.5 | 9892.0 | 9915.1 | 9942.9 |
| 10° | 9553.8 | 9600.2 | 9660.4 | 9706.7 | 9776.3 | 9827.2 | 9878.1 | 9942.9 | 9970.7 | 10007.7 | 10044.9 |
| 12.5° | 9516.9 | 9567.7 | 9632.6 | 9692.8 | 9771.5 | 9817.8 | 9882.6 | 9942.9 | 9984.6 | 10035.5 | 10077.3 |
| 15° | 9461.4 | 9521.4 | 9581.7 | 9641.9 | 9725.2 | 9780.9 | 9841.1 | 9910.5 | 9952.2 | 10007.7 | 10044.9 |
| 17.5° | 9373.3 | 9438.1 | 9493.8 | 9549.3 | 9628.0 | 9692.8 | 9748.5 | 9813.3 | 9855.0 | 9901.3 | 9952.2 |
| 20° | 9266.8 | 9327.0 | 9387.2 | 9433.5 | 9512.3 | 9567.7 | 9628.0 | 9688.2 | 9720.6 | 9730.0 | 9808.7 |
| 22.5° | 9132.6 | 9174.1 | 9220.4 | 9294.6 | 9340.9 | 9391.8 | 9447.5 | 9502.9 | 9535.3 | 9586.4 | 9614.1 |
| 25° | 8910.1 | 8951.9 | 9002.8 | 9035.2 | 9090.8 | 9132.6 | 9188.0 | 9248.3 | 9266.8 | 9303.9 | 9331.6 |
| 27.5° | 8600.0 | 8623.0 | 8646.3 | 8673.9 | 8706.3 | 8729.6 | 8762.0 | 8789.8 | 8808.3 | 8826.8 | 8845.3 |
| 30° | 8108.9 | 8108.9 | 8108.9 | 8090.4 | 8104.4 | 8118.3 | 8122.9 | 8118.3 | 8118.3 | 8113.7 | 8113.7 |
| 32.5° | 7460.6 | 7423.7 | 7381.9 | 7344.9 | 7331.0 | 7312.5 | 7303.2 | 7289.3 | 7266.2 | 7252.3 | 7256.9 |
| 35° | 6585.3 | 6502.0 | 6451.1 | 6404.8 | 6367.8 | 6340.0 | 6326.1 | 6312.2 | 6307.6 | 6289.1 | 6270.4 |
| 37.5° | 5492.5 | 5432.3 | 5395.3 | 5367.5 | 5335.0 | 5307.2 | 5311.8 | 5316.6 | 5330.3 | 5321.1 | 5325.7 |
| 40° | 4334.7 | 4320.8 | 4334.7 | 4302.3 | 4292.9 | 4302.3 | 4325.3 | 4357.9 | 4376.4 | 4394.9 | 4427.3 |
| 42.5° | 3297.3 | 3320.4 | 3353.0 | 3353.0 | 3366.7 | 3385.4 | 3413.0 | 3464.1 | 3491.8 | 3524.2 | 3561.3 |
| 45° | 2482.2 | 2510.1 | 2551.8 | 2565.5 | 2574.9 | 2597.9 | 2630.5 | 2672.1 | 2690.6 | 2718.4 | 2750.8 |
| 47.5° | 1912.7 | 1931.2 | 1954.2 | 1977.5 | 2000.5 | 2009.9 | 2042.3 | 2042.3 | 2065.5 | 2084.0 | 2093.2 |
| 50° | 1491.2 | 1509.7 | 1528.2 | 1542.1 | 1551.4 | 1565.4 | 1574.5 | 1588.4 | 1593.0 | 1602.3 | 1606.9 |
| 52.5° | 1167.0 | 1190.2 | 1190.2 | 1199.4 | 1213.3 | 1227.2 | 1222.6 | 1227.2 | 1231.8 | 1231.8 | 1245.7 |
| 55° | 912.3 | 912.3 | 926.2 | 926.2 | 935.6 | 930.8 | 935.6 | 935.6 | 935.6 | 935.6 | 940.1 |
| 57.5° | 680.7 | 685.5 | 699.4 | 690.0 | 685.5 | 694.6 | 685.5 | 694.6 | 690.0 | 699.4 | 685.5 |
| 60° | 523.2 | 523.2 | 528.0 | 528.0 | 532.6 | 532.6 | 532.6 | 528.0 | 528.0 | 523.2 | 523.2 |
| 62.5° | 393.6 | 398.2 | 403.0 | 398.2 | 398.2 | 398.2 | 393.6 | 393.6 | 389.1 | 384.3 | 384.3 |
| 65° | 264.0 | 259.4 | 268.6 | 259.4 | 264.0 | 264.0 | 259.4 | 264.0 | 250.1 | 254.7 | 250.1 |
| 67.5° | 189.9 | 185.3 | 180.7 | 185.3 | 180.7 | 175.9 | 175.9 | 180.7 | 185.3 | 171.4 | 171.4 |
| 70° | 125.0 | 129.6 | 125.0 | 129.6 | 134.4 | 134.4 | 129.6 | 125.0 | 129.6 | 120.5 | 125.0 |
| 72.5° | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 83.3 | 83.3 | 83.3 | 74.2 | 74.2 | 69.4 |
| 75° | 37.0 | 50.9 | 41.7 | 37.0 | 50.9 | 50.9 | 46.3 | 46.3 | 41.7 | 41.7 | 41.7 |
| 77.5° | 37.0 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 23.1 | 27.8 | 23.1 |
| 80° | 18.5 | 18.5 | 18.5 | 13.9 | 18.5 | 18.5 | 23.1 | 18.5 | 18.5 | 13.9 | 23.1 |
| 82.5° | 9.3 | 9.3 | 9.3 | 0.0 | 4.6 | 9.3 | 9.3 | 4.6 | 9.3 | 9.3 | 4.6 |
| 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: P249007

CATALOG NUMBER: LSR8B150D010 EC8B150840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 |
| 2.5° | 9591.0 | 9586.4 | 9591.0 | 9595.6 | 9591.0 | 9586.4 | 9591.0 | 9595.6 | 9577.1 | 9572.5 | 9581.7 |
| 5° | 9794.8 | 9794.8 | 9803.9 | 9808.7 | 9803.9 | 9794.8 | 9794.8 | 9776.3 | 9762.4 | 9748.5 | 9743.9 |
| 7.5° | 9970.7 | 9980.1 | 9989.2 | 9993.8 | 9989.2 | 9980.1 | 9970.7 | 9942.9 | 9915.1 | 9892.0 | 9873.5 |
| 10° | 10077.3 | 10091.2 | 10109.7 | 10118.8 | 10109.7 | 10091.2 | 10077.3 | 10044.9 | 10007.7 | 9970.7 | 9942.9 |
| 12.5° | 10123.6 | 10137.5 | 10160.6 | 10156.0 | 10160.6 | 10137.5 | 10123.6 | 10077.3 | 10035.5 | 9984.6 | 9942.9 |
| 15° | 10091.2 | 10109.7 | 10132.7 | 10142.1 | 10132.7 | 10109.7 | 10091.2 | 10044.9 | 10007.7 | 9952.2 | 9910.5 |
| 17.5° | 9989.2 | 10017.0 | 10031.0 | 10044.9 | 10031.0 | 10017.0 | 9989.2 | 9952.2 | 9901.3 | 9855.0 | 9813.3 |
| 20° | 9850.2 | 9868.9 | 9887.4 | 9892.0 | 9887.4 | 9868.9 | 9850.2 | 9808.7 | 9730.0 | 9720.6 | 9688.2 |
| 22.5° | 9651.2 | 9665.2 | 9706.7 | 9692.8 | 9706.7 | 9665.2 | 9651.2 | 9614.1 | 9586.4 | 9535.3 | 9502.9 |
| 25° | 9364.0 | 9377.9 | 9382.7 | 9387.2 | 9382.7 | 9377.9 | 9364.0 | 9331.6 | 9303.9 | 9266.8 | 9248.3 |
| 27.5° | 8868.6 | 8868.6 | 8877.7 | 8882.5 | 8877.7 | 8868.6 | 8868.6 | 8845.3 | 8826.8 | 8808.3 | 8789.8 |
| 30° | 8118.3 | 8118.3 | 8118.3 | 8141.5 | 8118.3 | 8118.3 | 8118.3 | 8113.7 | 8113.7 | 8118.3 | 8118.3 |
| 32.5° | 7252.3 | 7243.0 | 7233.8 | 7243.0 | 7233.8 | 7243.0 | 7252.3 | 7256.9 | 7252.3 | 7266.2 | 7289.3 |
| 35° | 6270.4 | 6265.8 | 6279.8 | 6261.3 | 6279.8 | 6265.8 | 6270.4 | 6270.4 | 6289.1 | 6307.6 | 6312.2 |
| 37.5° | 5330.3 | 5321.1 | 5339.6 | 5321.1 | 5339.6 | 5321.1 | 5330.3 | 5325.7 | 5321.1 | 5330.3 | 5316.6 |
| 40° | 4436.7 | 4445.8 | 4445.8 | 4483.0 | 4445.8 | 4445.8 | 4436.7 | 4427.3 | 4394.9 | 4376.4 | 4357.9 |
| 42.5° | 3579.8 | 3607.7 | 3598.3 | 3626.1 | 3598.3 | 3607.7 | 3579.8 | 3561.3 | 3524.2 | 3491.8 | 3464.1 |
| 45° | 2769.3 | 2788.0 | 2788.0 | 2797.1 | 2788.0 | 2788.0 | 2769.3 | 2750.8 | 2718.4 | 2690.6 | 2672.1 |
| 47.5° | 2125.6 | 2125.6 | 2125.6 | 2130.4 | 2125.6 | 2125.6 | 2125.6 | 2093.2 | 2084.0 | 2065.5 | 2042.3 |
| 50° | 1616.3 | 1620.8 | 1625.6 | 1630.2 | 1625.6 | 1620.8 | 1616.3 | 1606.9 | 1602.3 | 1593.0 | 1588.4 |
| 52.5° | 1241.1 | 1245.7 | 1236.5 | 1245.7 | 1236.5 | 1245.7 | 1241.1 | 1245.7 | 1231.8 | 1231.8 | 1227.2 |
| 55° | 940.1 | 935.6 | 940.1 | 944.7 | 940.1 | 935.6 | 940.1 | 940.1 | 935.6 | 935.6 | 935.6 |
| 57.5° | 690.0 | 680.7 | 680.7 | 680.7 | 680.7 | 680.7 | 690.0 | 685.5 | 699.4 | 690.0 | 694.6 |
| 60° | 514.1 | 518.7 | 518.7 | 523.2 | 518.7 | 518.7 | 514.1 | 523.2 | 523.2 | 528.0 | 528.0 |
| 62.5° | 379.7 | 393.6 | 384.3 | 393.6 | 384.3 | 393.6 | 379.7 | 384.3 | 384.3 | 389.1 | 393.6 |
| 65° | 245.5 | 245.5 | 245.5 | 250.1 | 245.5 | 245.5 | 245.5 | 250.1 | 254.7 | 250.1 | 264.0 |
| 67.5° | 166.8 | 171.4 | 180.7 | 175.9 | 180.7 | 171.4 | 166.8 | 171.4 | 171.4 | 185.3 | 180.7 |
| 70° | 134.4 | 120.5 | 120.5 | 134.4 | 120.5 | 120.5 | 134.4 | 125.0 | 120.5 | 129.6 | 125.0 |
| 72.5° | 78.7 | 69.4 | 78.7 | 78.7 | 78.7 | 69.4 | 78.7 | 69.4 | 74.2 | 74.2 | 83.3 |
| 75° | 41.7 | 37.0 | 32.4 | 46.3 | 32.4 | 37.0 | 41.7 | 41.7 | 41.7 | 41.7 | 46.3 |
| 77.5° | 27.8 | 23.1 | 32.4 | 32.4 | 32.4 | 23.1 | 27.8 | 23.1 | 27.8 | 23.1 | 27.8 |
| 80° | 13.9 | 18.5 | 13.9 | 23.1 | 13.9 | 18.5 | 13.9 | 23.1 | 13.9 | 18.5 | 18.5 |
| 82.5° | 4.6 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 4.6 | 4.6 | 9.3 | 9.3 | 4.6 |
| 85° | 0.0 | 9.3 | 4.6 | 4.6 | 4.6 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.6 | 0.0 | 0.0 | 4.6 | 0.0 | 0.0 | 4.6 | 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: P249007

CATALOG NUMBER: LSR8B150D010 EC8B150840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 |
| 2.5° | 9581.7 | 9567.7 | 9572.5 | 9544.7 | 9544.7 | 9535.3 | 9540.1 | 9516.9 | 9507.7 | 9498.4 | 9512.3 |
| 5° | 9720.6 | 9697.6 | 9678.9 | 9637.3 | 9614.1 | 9586.4 | 9572.5 | 9535.3 | 9502.9 | 9475.1 | 9470.5 |
| 7.5° | 9831.8 | 9780.9 | 9748.5 | 9692.8 | 9651.2 | 9618.8 | 9572.5 | 9521.4 | 9479.9 | 9442.7 | 9415.1 |
| 10° | 9878.1 | 9827.2 | 9776.3 | 9706.7 | 9660.4 | 9600.2 | 9553.8 | 9489.0 | 9433.5 | 9382.7 | 9350.1 |
| 12.5° | 9882.6 | 9817.8 | 9771.5 | 9692.8 | 9632.6 | 9567.7 | 9516.9 | 9442.7 | 9377.9 | 9327.0 | 9276.1 |
| 15° | 9841.1 | 9780.9 | 9725.2 | 9641.9 | 9581.7 | 9521.4 | 9461.4 | 9382.7 | 9322.4 | 9262.2 | 9225.2 |
| 17.5° | 9748.5 | 9692.8 | 9628.0 | 9549.3 | 9493.8 | 9438.1 | 9373.3 | 9308.5 | 9238.9 | 9174.1 | 9127.8 |
| 20° | 9628.0 | 9567.7 | 9512.3 | 9433.5 | 9387.2 | 9327.0 | 9266.8 | 9197.4 | 9141.7 | 9076.9 | 9026.0 |
| 22.5° | 9447.5 | 9391.8 | 9340.9 | 9294.6 | 9220.4 | 9174.1 | 9132.6 | 9053.8 | 8998.2 | 8937.9 | 8882.5 |
| 25° | 9188.0 | 9132.6 | 9090.8 | 9035.2 | 9002.8 | 8951.9 | 8910.1 | 8840.7 | 8789.8 | 8734.2 | 8687.8 |
| 27.5° | 8762.0 | 8729.6 | 8706.3 | 8673.9 | 8646.3 | 8623.0 | 8600.0 | 8544.3 | 8507.3 | 8456.4 | 8410.1 |
| 30° | 8122.9 | 8118.3 | 8104.4 | 8090.4 | 8108.9 | 8108.9 | 8108.9 | 8099.8 | 8067.4 | 8030.2 | 7997.8 |
| 32.5° | 7303.2 | 7312.5 | 7331.0 | 7344.9 | 7381.9 | 7423.7 | 7460.6 | 7479.1 | 7479.1 | 7456.1 | 7442.2 |
| 35° | 6326.1 | 6340.0 | 6367.8 | 6404.8 | 6451.1 | 6502.0 | 6585.3 | 6604.0 | 6617.7 | 6617.7 | 6599.2 |
| 37.5° | 5311.8 | 5307.2 | 5335.0 | 5367.5 | 5395.3 | 5432.3 | 5492.5 | 5506.4 | 5529.5 | 5520.3 | 5501.6 |
| 40° | 4325.3 | 4302.3 | 4292.9 | 4302.3 | 4334.7 | 4320.8 | 4334.7 | 4325.3 | 4325.3 | 4292.9 | 4292.9 |
| 42.5° | 3413.0 | 3385.4 | 3366.7 | 3353.0 | 3353.0 | 3320.4 | 3297.3 | 3274.3 | 3260.3 | 3237.1 | 3232.5 |
| 45° | 2630.5 | 2597.9 | 2574.9 | 2565.5 | 2551.8 | 2510.1 | 2482.2 | 2454.4 | 2422.0 | 2412.9 | 2417.4 |
| 47.5° | 2042.3 | 2009.9 | 2000.5 | 1977.5 | 1954.2 | 1931.2 | 1912.7 | 1880.3 | 1875.5 | 1857.0 | 1875.5 |
| 50° | 1574.5 | 1565.4 | 1551.4 | 1542.1 | 1528.2 | 1509.7 | 1491.2 | 1472.7 | 1463.4 | 1463.4 | 1468.0 |
| 52.5° | 1222.6 | 1227.2 | 1213.3 | 1199.4 | 1190.2 | 1190.2 | 1167.0 | 1162.4 | 1162.4 | 1143.9 | 1162.4 |
| 55° | 935.6 | 930.8 | 935.6 | 926.2 | 926.2 | 912.3 | 912.3 | 898.4 | 898.4 | 884.5 | 893.8 |
| 57.5° | 685.5 | 694.6 | 685.5 | 690.0 | 699.4 | 685.5 | 680.7 | 666.8 | 676.1 | 666.8 | 671.6 |
| 60° | 532.6 | 532.6 | 532.6 | 528.0 | 528.0 | 523.2 | 523.2 | 518.7 | 518.7 | 509.3 | 518.7 |
| 62.5° | 393.6 | 398.2 | 398.2 | 398.2 | 403.0 | 398.2 | 393.6 | 398.2 | 393.6 | 393.6 | 398.2 |
| 65° | 259.4 | 264.0 | 264.0 | 259.4 | 268.6 | 259.4 | 264.0 | 268.6 | 273.2 | 268.6 | 273.2 |
| 67.5° | 175.9 | 175.9 | 180.7 | 185.3 | 180.7 | 185.3 | 189.9 | 185.3 | 189.9 | 199.2 | 189.9 |
| 70° | 129.6 | 134.4 | 134.4 | 129.6 | 125.0 | 129.6 | 125.0 | 139.0 | 139.0 | 139.0 | 148.1 |
| 72.5° | 83.3 | 83.3 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 92.6 | 83.3 | 78.7 | 88.1 |
| 75° | 46.3 | 50.9 | 50.9 | 37.0 | 41.7 | 50.9 | 37.0 | 41.7 | 55.7 | 46.3 | 55.7 |
| 77.5° | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 37.0 | 32.4 | 32.4 | 32.4 | 37.0 |
| 80° | 23.1 | 18.5 | 18.5 | 13.9 | 18.5 | 18.5 | 18.5 | 27.8 | 23.1 | 23.1 | 27.8 |
| 82.5° | 9.3 | 9.3 | 4.6 | 0.0 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 18.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 4.6 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.3 | 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: P249007

CATALOG NUMBER: LSR8B150D010 EC8B150840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 |
| 2.5° | 9475.1 | 9475.1 | 9470.5 | 9461.4 | 9442.7 | 9442.7 | 9438.1 | 9424.2 | 9415.1 | 9410.3 | 9410.3 |
| 5° | 9428.8 | 9410.3 | 9391.8 | 9340.9 | 9340.9 | 9331.6 | 9303.9 | 9285.2 | 9276.1 | 9252.8 | 9243.7 |
| 7.5° | 9387.2 | 9331.6 | 9299.2 | 9266.8 | 9225.2 | 9206.5 | 9174.1 | 9160.2 | 9127.8 | 9104.7 | 9090.8 |
| 10° | 9285.2 | 9248.3 | 9206.5 | 9155.6 | 9123.2 | 9086.2 | 9049.1 | 9021.4 | 8979.7 | 8956.4 | 8937.9 |
| 12.5° | 9215.9 | 9160.2 | 9123.2 | 9067.6 | 9012.1 | 8979.7 | 8928.8 | 8896.4 | 8854.6 | 8808.3 | 8780.5 |
| 15° | 9151.1 | 9090.8 | 9039.9 | 8979.7 | 8919.5 | 8882.5 | 8822.2 | 8785.3 | 8725.0 | 8678.7 | 8646.3 |
| 17.5° | 9053.8 | 9002.8 | 8947.3 | 8873.1 | 8817.7 | 8771.3 | 8706.3 | 8660.2 | 8604.5 | 8544.3 | 8511.9 |
| 20° | 8951.9 | 8891.6 | 8836.1 | 8762.0 | 8706.3 | 8650.9 | 8586.1 | 8535.2 | 8470.2 | 8414.7 | 8377.7 |
| 22.5° | 8817.7 | 8748.1 | 8701.8 | 8627.6 | 8562.8 | 8502.8 | 8442.5 | 8382.3 | 8322.0 | 8275.7 | 8234.0 |
| 25° | 8623.0 | 8548.9 | 8498.0 | 8437.8 | 8377.7 | 8331.4 | 8257.2 | 8220.3 | 8160.0 | 8118.3 | 8076.5 |
| 27.5° | 8345.1 | 8289.6 | 8243.3 | 8183.1 | 8132.2 | 8095.2 | 8039.6 | 8002.6 | 7951.5 | 7914.5 | 7882.1 |
| 30° | 7937.8 | 7891.4 | 7849.7 | 7789.5 | 7752.5 | 7720.1 | 7669.0 | 7636.6 | 7599.6 | 7557.9 | 7548.7 |
| 32.5° | 7391.3 | 7354.1 | 7312.5 | 7270.8 | 7243.0 | 7224.5 | 7182.7 | 7164.2 | 7127.2 | 7104.0 | 7080.9 |
| 35° | 6566.8 | 6534.4 | 6511.4 | 6492.9 | 6483.5 | 6488.1 | 6479.0 | 6497.4 | 6506.6 | 6502.0 | 6506.6 |
| 37.5° | 5487.9 | 5469.2 | 5478.6 | 5492.5 | 5538.8 | 5599.1 | 5654.5 | 5737.8 | 5793.5 | 5849.1 | 5900.0 |
| 40° | 4283.8 | 4297.7 | 4334.7 | 4418.0 | 4538.5 | 4672.8 | 4797.9 | 4955.3 | 5112.8 | 5223.9 | 5325.7 |
| 42.5° | 3232.5 | 3274.3 | 3366.7 | 3487.2 | 3667.9 | 3866.9 | 4061.5 | 4292.9 | 4483.0 | 4668.1 | 4797.9 |
| 45° | 2431.3 | 2486.8 | 2607.3 | 2774.1 | 2973.1 | 3204.7 | 3450.2 | 3709.4 | 3936.5 | 4126.3 | 4269.9 |
| 47.5° | 1894.2 | 1945.1 | 2065.5 | 2241.5 | 2486.8 | 2727.8 | 2982.4 | 3251.0 | 3487.2 | 3672.5 | 3797.5 |
| 50° | 1495.8 | 1560.6 | 1667.2 | 1852.4 | 2098.0 | 2352.6 | 2616.6 | 2880.4 | 3102.9 | 3260.3 | 3371.5 |
| 52.5° | 1176.3 | 1236.5 | 1338.3 | 1533.0 | 1783.1 | 2037.7 | 2283.0 | 2542.5 | 2736.9 | 2889.8 | 2963.9 |
| 55° | 912.3 | 968.0 | 1074.3 | 1236.5 | 1472.7 | 1722.8 | 1968.1 | 2190.6 | 2371.1 | 2482.2 | 2551.8 |
| 57.5° | 694.6 | 736.4 | 810.5 | 972.5 | 1185.7 | 1417.1 | 1625.6 | 1847.9 | 1986.8 | 2065.5 | 2111.7 |
| 60° | 528.0 | 560.4 | 639.1 | 764.2 | 958.6 | 1157.8 | 1333.8 | 1500.6 | 1611.7 | 1676.5 | 1722.8 |
| 62.5° | 398.2 | 435.4 | 490.8 | 597.4 | 745.5 | 907.7 | 1055.8 | 1180.9 | 1273.5 | 1315.3 | 1347.7 |
| 65° | 273.2 | 301.0 | 342.7 | 426.0 | 551.1 | 666.8 | 782.7 | 875.3 | 935.6 | 981.9 | 1000.4 |
| 67.5° | 203.8 | 222.3 | 245.5 | 310.3 | 398.2 | 490.8 | 569.6 | 634.4 | 699.4 | 717.9 | 750.3 |
| 70° | 152.9 | 166.8 | 189.9 | 236.2 | 287.1 | 351.9 | 416.9 | 453.9 | 500.2 | 532.6 | 541.9 |
| 72.5° | 97.2 | 101.8 | 125.0 | 152.9 | 194.4 | 236.2 | 277.9 | 310.3 | 338.2 | 356.6 | 365.8 |
| 75° | 55.7 | 83.3 | 83.3 | 111.1 | 139.0 | 157.5 | 185.3 | 208.3 | 222.3 | 236.2 | 236.2 |
| 77.5° | 37.0 | 50.9 | 55.7 | 69.4 | 83.3 | 106.6 | 129.6 | 143.5 | 157.5 | 162.0 | 162.0 |
| 80° | 32.4 | 37.0 | 37.0 | 50.9 | 60.2 | 78.7 | 92.6 | 97.2 | 106.6 | 111.1 | 120.5 |
| 82.5° | 13.9 | 18.5 | 23.1 | 37.0 | 41.7 | 41.7 | 55.7 | 60.2 | 69.4 | 74.2 | 74.2 |
| 85° | 4.6 | 9.3 | 9.3 | 13.9 | 23.1 | 27.8 | 32.4 | 37.0 | 41.7 | 41.7 | 46.3 |
| 87.5° | 4.6 | 4.6 | 0.0 | 4.6 | 9.3 | 9.3 | 18.5 | 18.5 | 18.5 | 27.8 | 27.8 |
| 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: P249007

CATALOG NUMBER: LSR8B150D010 EC8B150840 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 | 9484.4 |
| 2.5° | 9401.1 | 9405.7 | 9387.2 | 9382.7 | 9373.3 | 9377.9 | 9387.2 |
| 5° | 9229.8 | 9234.4 | 9215.9 | 9197.4 | 9197.4 | 9192.6 | 9197.4 |
| 7.5° | 9067.6 | 9072.3 | 9044.5 | 9035.2 | 9016.7 | 9021.4 | 9021.4 |
| 10° | 8905.5 | 8905.5 | 8864.0 | 8859.2 | 8845.3 | 8840.7 | 8840.7 |
| 12.5° | 8748.1 | 8734.2 | 8701.8 | 8683.3 | 8692.6 | 8664.8 | 8664.8 |
| 15° | 8609.1 | 8586.1 | 8544.3 | 8530.4 | 8507.3 | 8498.0 | 8498.0 |
| 17.5° | 8465.6 | 8447.1 | 8410.1 | 8382.3 | 8354.5 | 8349.9 | 8354.5 |
| 20° | 8326.6 | 8308.1 | 8261.8 | 8243.3 | 8220.3 | 8220.3 | 8210.9 |
| 22.5° | 8187.7 | 8169.2 | 8127.6 | 8113.7 | 8081.3 | 8081.3 | 8085.9 |
| 25° | 8044.1 | 8030.2 | 7983.9 | 7974.7 | 7970.2 | 7951.5 | 7960.8 |
| 27.5° | 7849.7 | 7840.4 | 7803.4 | 7789.5 | 7771.0 | 7766.4 | 7775.5 |
| 30° | 7493.0 | 7479.1 | 7451.5 | 7437.6 | 7405.2 | 7409.7 | 7418.9 |
| 32.5° | 7048.5 | 7030.0 | 6992.9 | 6978.9 | 6951.3 | 6942.0 | 6946.5 |
| 35° | 6492.9 | 6479.0 | 6446.5 | 6446.5 | 6418.7 | 6409.4 | 6418.7 |
| 37.5° | 5927.9 | 5941.6 | 5927.9 | 5941.6 | 5927.9 | 5923.1 | 5927.9 |
| 40° | 5395.3 | 5446.2 | 5455.3 | 5506.4 | 5487.9 | 5515.6 | 5511.0 |
| 42.5° | 4885.8 | 4969.1 | 5001.7 | 5043.2 | 5034.1 | 5052.6 | 5066.5 |
| 45° | 4371.7 | 4441.2 | 4473.6 | 4501.5 | 4506.0 | 4515.4 | 4520.0 |
| 47.5° | 3885.4 | 3941.1 | 3945.6 | 3978.0 | 3973.5 | 3973.5 | 3987.4 |
| 50° | 3431.7 | 3468.7 | 3477.8 | 3501.1 | 3482.6 | 3473.3 | 3477.8 |
| 52.5° | 3010.3 | 3047.2 | 3037.9 | 3047.2 | 3024.2 | 3014.8 | 3019.4 |
| 55° | 2579.5 | 2597.9 | 2597.9 | 2597.9 | 2570.3 | 2570.3 | 2570.3 |
| 57.5° | 2139.5 | 2144.3 | 2134.9 | 2139.5 | 2134.9 | 2107.1 | 2102.5 |
| 60° | 1736.7 | 1736.7 | 1732.0 | 1736.7 | 1722.8 | 1708.9 | 1708.9 |
| 62.5° | 1356.8 | 1366.2 | 1384.7 | 1366.2 | 1356.8 | 1366.2 | 1352.3 |
| 65° | 1014.3 | 1032.8 | 1028.0 | 1037.3 | 1032.8 | 1032.8 | 1023.4 |
| 67.5° | 764.2 | 768.8 | 773.3 | 778.1 | 778.1 | 778.1 | 778.1 |
| 70° | 560.4 | 574.3 | 569.6 | 569.6 | 569.6 | 569.6 | 597.4 |
| 72.5° | 375.1 | 393.6 | 389.1 | 398.2 | 398.2 | 407.5 | 398.2 |
| 75° | 254.7 | 273.2 | 264.0 | 277.9 | 273.2 | 264.0 | 287.1 |
| 77.5° | 171.4 | 180.7 | 185.3 | 189.9 | 185.3 | 180.7 | 185.3 |
| 80° | 120.5 | 129.6 | 125.0 | 129.6 | 129.6 | 129.6 | 134.4 |
| 82.5° | 74.2 | 88.1 | 83.3 | 88.1 | 83.3 | 88.1 | 88.1 |
| 85° | 50.9 | 55.7 | 46.3 | 55.7 | 50.9 | 50.9 | 60.2 |
| 87.5° | 32.4 | 27.8 | 27.8 | 32.4 | 27.8 | 32.4 | 27.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)