

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: P248980

Luminaire Tested: **LD8B150D010 ER8B150827 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248980  
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: LD8B150D010 ER8B150827 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15086.0 lumens  
Efficiency: N/A  
Efficacy: 95.2 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

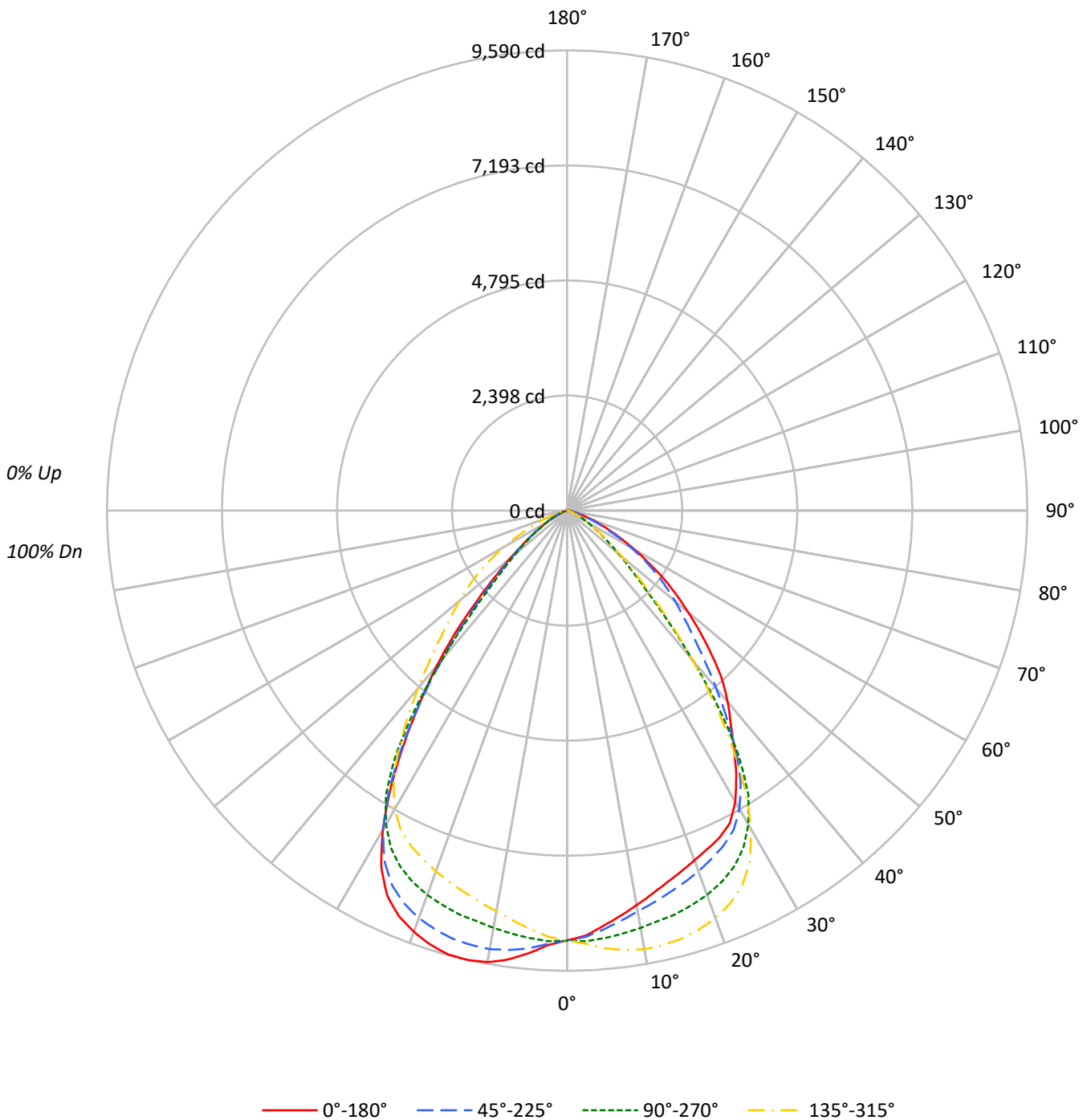
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 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°  | 276173 | 276173 | 276173 | 276173 |
| 5°  | 268836 | 276819 | 286706 | 276819 |
| 10° | 261399 | 276460 | 299189 | 276460 |
| 15° | 256178 | 278100 | 305740 | 278100 |
| 20° | 254434 | 279692 | 306525 | 279692 |
| 25° | 255769 | 279130 | 301600 | 279130 |
| 30° | 249446 | 268913 | 273744 | 268913 |
| 35° | 228165 | 234584 | 222571 | 234584 |
| 40° | 209482 | 163181 | 170403 | 163181 |
| 45° | 186133 | 99551  | 115185 | 99551  |
| 50° | 157547 | 66500  | 73849  | 66500  |
| 55° | 130484 | 45375  | 47961  | 45375  |
| 60° | 99521  | 30207  | 30472  | 30207  |
| 65° | 70513  | 18818  | 17234  | 18818  |
| 70° | 50859  | 12613  | 11441  | 12613  |
| 75° | 32299  | 6267   | 5207   | 6267   |
| 80° | 22535  | 4670   | 3871   | 4670   |
| 85° | 20132  | 0      | 1521   | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 852.5   | 5.7       |
| 10°-20°   | 2468.5  | 16.4      |
| 20°-30°   | 3737.9  | 24.8      |
| 30°-40°   | 3746.3  | 24.8      |
| 40°-50°   | 2352.5  | 15.6      |
| 50°-60°   | 1253.6  | 8.3       |
| 60°-70°   | 515.5   | 3.4       |
| 70°-80°   | 136.2   | 0.9       |
| 80°-90°   | 23.0    | 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°    | 7058.9  | 46.8      |
| 0°-40°    | 10805.2 | 71.6      |
| 0°-60°    | 14411.3 | 95.5      |
| 0°-90°    | 15086.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 15086.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 8956 | 8956 | 8956 | 8956 | 8956 |      |
| 5°  | 8685 | 8943 | 9262 | 8943 | 8685 | 819  |
| 15° | 8025 | 8711 | 9577 | 8711 | 8025 | 2270 |
| 25° | 7517 | 8204 | 8864 | 8204 | 7517 | 3448 |
| 35° | 6061 | 6232 | 5912 | 6232 | 6061 | 3797 |
| 45° | 4268 | 2283 | 2641 | 2283 | 4268 | 3283 |
| 55° | 2427 | 844  | 892  | 844  | 2427 | 2164 |
| 65° | 966  | 258  | 236  | 258  | 966  | 1002 |
| 75° | 271  | 53   | 44   | 53   | 271  | 307  |
| 85° | 57   | 0    | 4    | 0    | 57   | 63   |
| 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°    | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 |
| 2.5°  | 8864.3 | 8855.5 | 8851.1 | 8860.0 | 8864.3 | 8881.7 | 8877.4 | 8886.1 | 8886.1 | 8890.6 | 8899.2 |
| 5°    | 8685.0 | 8680.5 | 8685.0 | 8685.0 | 8702.5 | 8719.9 | 8715.6 | 8728.7 | 8737.4 | 8759.3 | 8768.0 |
| 7.5°  | 8518.9 | 8518.9 | 8514.4 | 8531.8 | 8540.6 | 8566.9 | 8562.4 | 8584.4 | 8597.5 | 8619.3 | 8649.9 |
| 10°   | 8348.2 | 8348.2 | 8352.5 | 8365.7 | 8370.2 | 8409.4 | 8409.4 | 8440.0 | 8457.5 | 8479.4 | 8518.9 |
| 12.5° | 8182.1 | 8182.1 | 8208.4 | 8199.5 | 8217.0 | 8247.6 | 8260.7 | 8291.3 | 8317.6 | 8361.4 | 8400.8 |
| 15°   | 8024.6 | 8024.6 | 8033.4 | 8055.2 | 8068.3 | 8107.7 | 8129.5 | 8164.6 | 8195.2 | 8239.0 | 8295.8 |
| 17.5° | 7889.0 | 7884.7 | 7889.0 | 7915.3 | 7941.6 | 7976.5 | 7994.0 | 8037.7 | 8068.3 | 8125.2 | 8177.8 |
| 20°   | 7753.5 | 7762.3 | 7762.3 | 7784.1 | 7801.6 | 7845.3 | 7862.8 | 7911.0 | 7945.9 | 7998.3 | 8059.7 |
| 22.5° | 7635.4 | 7631.1 | 7631.1 | 7661.7 | 7674.8 | 7714.1 | 7731.5 | 7775.3 | 7814.7 | 7858.4 | 7915.3 |
| 25°   | 7517.3 | 7508.5 | 7526.2 | 7530.5 | 7539.1 | 7582.9 | 7596.0 | 7626.6 | 7666.0 | 7705.4 | 7762.3 |
| 27.5° | 7342.4 | 7333.7 | 7338.1 | 7355.5 | 7368.7 | 7403.6 | 7412.4 | 7443.0 | 7473.6 | 7508.5 | 7556.8 |
| 30°   | 7005.6 | 6997.0 | 6992.6 | 7023.2 | 7036.4 | 7062.5 | 7075.6 | 7128.2 | 7136.8 | 7176.2 | 7211.2 |
| 32.5° | 6559.6 | 6555.2 | 6564.1 | 6590.2 | 6603.3 | 6638.4 | 6655.9 | 6686.5 | 6708.2 | 6730.2 | 6765.1 |
| 35°   | 6061.1 | 6052.3 | 6061.1 | 6087.4 | 6087.4 | 6118.0 | 6131.2 | 6144.1 | 6139.8 | 6144.1 | 6135.5 |
| 37.5° | 5597.6 | 5593.1 | 5597.6 | 5610.6 | 5597.6 | 5610.6 | 5597.6 | 5571.4 | 5523.3 | 5470.7 | 5418.2 |
| 40°   | 5204.0 | 5208.3 | 5182.2 | 5199.7 | 5151.4 | 5142.8 | 5094.7 | 5029.0 | 4932.9 | 4828.0 | 4679.3 |
| 42.5° | 4784.2 | 4771.1 | 4753.6 | 4762.3 | 4723.0 | 4692.2 | 4613.6 | 4530.6 | 4408.0 | 4233.2 | 4053.8 |
| 45°   | 4268.2 | 4263.8 | 4255.0 | 4250.7 | 4224.4 | 4193.8 | 4128.1 | 4032.0 | 3896.5 | 3717.2 | 3502.8 |
| 47.5° | 3765.2 | 3752.1 | 3752.1 | 3756.4 | 3725.8 | 3721.5 | 3668.9 | 3586.0 | 3467.9 | 3292.9 | 3069.9 |
| 50°   | 3284.1 | 3279.8 | 3288.6 | 3306.1 | 3284.1 | 3275.5 | 3240.5 | 3183.7 | 3078.7 | 2930.0 | 2720.0 |
| 52.5° | 2851.2 | 2846.9 | 2855.7 | 2877.5 | 2868.7 | 2877.5 | 2842.6 | 2798.8 | 2728.8 | 2584.4 | 2400.8 |
| 55°   | 2427.1 | 2427.1 | 2427.1 | 2453.2 | 2453.2 | 2453.2 | 2435.8 | 2409.7 | 2344.0 | 2239.0 | 2068.6 |
| 57.5° | 1985.4 | 1989.7 | 2016.0 | 2020.3 | 2016.0 | 2024.8 | 2020.3 | 1994.0 | 1950.5 | 1876.1 | 1744.9 |
| 60°   | 1613.7 | 1613.7 | 1626.8 | 1640.0 | 1635.5 | 1640.0 | 1640.0 | 1626.8 | 1583.1 | 1521.9 | 1417.0 |
| 62.5° | 1276.9 | 1290.1 | 1281.2 | 1290.1 | 1307.5 | 1290.1 | 1281.2 | 1272.6 | 1242.0 | 1202.6 | 1115.1 |
| 65°   | 966.4  | 975.2  | 975.2  | 979.6  | 970.7  | 975.2  | 957.8  | 944.6  | 927.2  | 883.4  | 826.6  |
| 67.5° | 734.8  | 734.8  | 734.8  | 734.8  | 730.3  | 725.9  | 721.6  | 708.5  | 677.9  | 660.4  | 599.0  |
| 70°   | 564.1  | 537.8  | 537.8  | 537.8  | 537.8  | 542.3  | 529.2  | 511.7  | 502.9  | 472.3  | 428.6  |
| 72.5° | 376.0  | 384.8  | 376.0  | 376.0  | 367.4  | 371.7  | 354.2  | 345.4  | 336.8  | 319.3  | 293.0  |
| 75°   | 271.1  | 249.3  | 257.9  | 262.4  | 249.3  | 257.9  | 240.5  | 223.0  | 223.0  | 209.9  | 196.7  |
| 77.5° | 175.0  | 170.6  | 175.0  | 179.3  | 175.0  | 170.6  | 161.8  | 153.0  | 153.0  | 148.7  | 135.5  |
| 80°   | 126.9  | 122.4  | 122.4  | 122.4  | 118.1  | 122.4  | 113.8  | 113.8  | 104.9  | 100.6  | 91.8   |
| 82.5° | 83.2   | 83.2   | 78.7   | 83.2   | 78.7   | 83.2   | 70.0   | 70.0   | 70.0   | 65.5   | 56.9   |
| 85°   | 56.9   | 48.1   | 48.1   | 52.6   | 43.7   | 52.6   | 48.1   | 43.7   | 39.4   | 39.4   | 34.9   |
| 87.5° | 26.3   | 30.6   | 26.3   | 30.6   | 26.3   | 26.3   | 30.6   | 26.3   | 26.3   | 17.5   | 17.5   |
| 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°    | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 |
| 2.5°  | 8912.3 | 8916.7 | 8916.7 | 8934.3 | 8942.9 | 8947.3 | 8947.3 | 8982.4 | 8969.2 | 8978.0 | 8986.7 |
| 5°    | 8785.6 | 8811.7 | 8820.5 | 8820.5 | 8868.6 | 8886.1 | 8903.5 | 8942.9 | 8947.3 | 8973.5 | 9004.1 |
| 7.5°  | 8663.0 | 8693.6 | 8711.3 | 8750.5 | 8781.1 | 8811.7 | 8864.3 | 8890.6 | 8916.7 | 8951.8 | 8991.0 |
| 10°   | 8545.0 | 8580.1 | 8615.0 | 8645.6 | 8693.6 | 8733.1 | 8768.0 | 8829.2 | 8860.0 | 8908.0 | 8960.4 |
| 12.5° | 8431.4 | 8479.4 | 8510.0 | 8562.4 | 8615.0 | 8649.9 | 8702.5 | 8759.3 | 8807.4 | 8855.5 | 8916.7 |
| 15°   | 8330.8 | 8387.6 | 8422.6 | 8479.4 | 8536.3 | 8584.4 | 8641.3 | 8711.3 | 8746.2 | 8803.1 | 8860.0 |
| 17.5° | 8221.3 | 8282.7 | 8326.4 | 8378.8 | 8448.8 | 8501.2 | 8549.5 | 8619.3 | 8663.0 | 8724.2 | 8789.9 |
| 20°   | 8107.7 | 8168.9 | 8221.3 | 8273.9 | 8343.9 | 8396.3 | 8453.2 | 8523.2 | 8571.2 | 8632.4 | 8685.0 |
| 22.5° | 7972.2 | 8029.1 | 8085.8 | 8147.0 | 8217.0 | 8260.7 | 8326.4 | 8387.6 | 8440.0 | 8496.9 | 8549.5 |
| 25°   | 7797.2 | 7867.3 | 7911.0 | 7967.7 | 8024.6 | 8072.6 | 8142.7 | 8203.9 | 8247.6 | 8300.2 | 8348.2 |
| 27.5° | 7591.7 | 7644.2 | 7679.2 | 7727.2 | 7784.1 | 7827.8 | 7880.2 | 7941.6 | 7985.3 | 8033.4 | 8068.3 |
| 30°   | 7241.8 | 7290.0 | 7320.6 | 7355.5 | 7412.4 | 7451.8 | 7495.6 | 7552.3 | 7582.9 | 7618.0 | 7648.6 |
| 32.5° | 6782.6 | 6822.0 | 6839.5 | 6865.7 | 6905.2 | 6944.4 | 6979.5 | 7027.6 | 7040.7 | 7062.5 | 7062.5 |
| 35°   | 6118.0 | 6126.7 | 6122.3 | 6131.2 | 6148.6 | 6170.4 | 6201.0 | 6231.6 | 6249.1 | 6249.1 | 6236.1 |
| 37.5° | 5339.5 | 5287.1 | 5230.3 | 5186.5 | 5173.4 | 5164.6 | 5182.2 | 5195.2 | 5212.8 | 5221.4 | 5199.7 |
| 40°   | 4530.6 | 4412.5 | 4285.6 | 4171.9 | 4093.2 | 4058.3 | 4045.1 | 4053.8 | 4053.8 | 4084.4 | 4084.4 |
| 42.5° | 3835.3 | 3651.5 | 3463.6 | 3292.9 | 3179.2 | 3091.9 | 3052.4 | 3052.4 | 3056.8 | 3078.7 | 3091.9 |
| 45°   | 3258.0 | 3026.2 | 2807.5 | 2619.5 | 2462.0 | 2348.3 | 2295.9 | 2282.8 | 2278.4 | 2287.1 | 2317.7 |
| 47.5° | 2816.3 | 2575.8 | 2348.3 | 2116.6 | 1950.5 | 1836.7 | 1788.7 | 1771.0 | 1753.6 | 1771.0 | 1775.5 |
| 50°   | 2470.9 | 2221.6 | 1981.1 | 1749.2 | 1574.3 | 1473.7 | 1412.5 | 1386.2 | 1381.9 | 1381.9 | 1390.7 |
| 52.5° | 2155.9 | 1924.2 | 1683.7 | 1447.6 | 1263.8 | 1167.7 | 1110.8 | 1097.6 | 1080.2 | 1097.6 | 1097.6 |
| 55°   | 1858.5 | 1626.8 | 1390.7 | 1167.7 | 1014.5 | 914.0  | 861.5  | 844.0  | 835.2  | 848.3  | 848.3  |
| 57.5° | 1535.0 | 1338.1 | 1119.6 | 918.4  | 765.4  | 695.3  | 655.9  | 634.1  | 629.6  | 638.5  | 629.6  |
| 60°   | 1259.5 | 1093.3 | 905.2  | 721.6  | 603.5  | 529.2  | 498.6  | 489.8  | 481.0  | 489.8  | 489.8  |
| 62.5° | 997.0  | 857.2  | 704.0  | 564.1  | 463.5  | 411.1  | 376.0  | 376.0  | 371.7  | 371.7  | 376.0  |
| 65°   | 739.1  | 629.6  | 520.4  | 402.3  | 323.6  | 284.2  | 257.9  | 257.9  | 253.6  | 257.9  | 253.6  |
| 67.5° | 537.8  | 463.5  | 376.0  | 293.0  | 231.8  | 209.9  | 192.4  | 179.3  | 188.1  | 179.3  | 175.0  |
| 70°   | 393.7  | 332.3  | 271.1  | 223.0  | 179.3  | 157.5  | 144.4  | 139.9  | 131.2  | 131.2  | 131.2  |
| 72.5° | 262.4  | 223.0  | 183.6  | 144.4  | 118.1  | 96.1   | 91.8   | 83.2   | 74.3   | 78.7   | 87.5   |
| 75°   | 175.0  | 148.7  | 131.2  | 104.9  | 78.7   | 78.7   | 52.6   | 52.6   | 43.7   | 52.6   | 39.4   |
| 77.5° | 122.4  | 100.6  | 78.7   | 65.5   | 52.6   | 48.1   | 34.9   | 34.9   | 30.6   | 30.6   | 30.6   |
| 80°   | 87.5   | 74.3   | 56.9   | 48.1   | 34.9   | 34.9   | 30.6   | 26.3   | 21.8   | 21.8   | 26.3   |
| 82.5° | 52.6   | 39.4   | 39.4   | 34.9   | 21.8   | 17.5   | 13.1   | 17.5   | 8.8    | 8.8    | 8.8    |
| 85°   | 30.6   | 26.3   | 21.8   | 13.1   | 8.8    | 8.8    | 4.3    | 0.0    | 4.3    | 4.3    | 0.0    |
| 87.5° | 17.5   | 8.8    | 8.8    | 4.3    | 0.0    | 4.3    | 4.3    | 0.0    | 0.0    | 0.0    | 8.8    |
| 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: P248980

CATALOG NUMBER: LD8B150D010 ER8B150827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 |
| 2.5°  | 9008.6 | 9004.1 | 9013.0 | 9013.0 | 9039.2 | 9034.7 | 9047.9 | 9047.9 | 9039.2 | 9043.6 | 9061.0 |
| 5°    | 9039.2 | 9052.4 | 9078.5 | 9100.4 | 9139.7 | 9157.3 | 9179.1 | 9201.1 | 9205.4 | 9218.5 | 9231.7 |
| 7.5°  | 9039.2 | 9083.0 | 9113.6 | 9152.8 | 9205.4 | 9236.0 | 9284.0 | 9323.5 | 9340.9 | 9362.7 | 9389.0 |
| 10°   | 9021.6 | 9065.3 | 9122.2 | 9166.0 | 9231.7 | 9279.7 | 9327.8 | 9389.0 | 9415.3 | 9450.2 | 9485.3 |
| 12.5° | 8986.7 | 9034.7 | 9095.9 | 9152.8 | 9227.2 | 9270.9 | 9332.1 | 9389.0 | 9428.4 | 9476.5 | 9515.9 |
| 15°   | 8934.3 | 8991.0 | 9047.9 | 9104.8 | 9183.4 | 9236.0 | 9292.9 | 9358.4 | 9397.8 | 9450.2 | 9485.3 |
| 17.5° | 8851.1 | 8912.3 | 8964.9 | 9017.3 | 9091.6 | 9152.8 | 9205.4 | 9266.6 | 9306.0 | 9349.7 | 9397.8 |
| 20°   | 8750.5 | 8807.4 | 8864.3 | 8908.0 | 8982.4 | 9034.7 | 9091.6 | 9148.5 | 9179.1 | 9187.9 | 9262.3 |
| 22.5° | 8623.8 | 8663.0 | 8706.8 | 8776.8 | 8820.5 | 8868.6 | 8921.2 | 8973.5 | 9004.1 | 9052.4 | 9078.5 |
| 25°   | 8413.7 | 8453.2 | 8501.2 | 8531.8 | 8584.4 | 8623.8 | 8676.2 | 8733.1 | 8750.5 | 8785.6 | 8811.7 |
| 27.5° | 8120.9 | 8142.7 | 8164.6 | 8190.7 | 8221.3 | 8243.3 | 8273.9 | 8300.2 | 8317.6 | 8335.1 | 8352.5 |
| 30°   | 7657.2 | 7657.2 | 7657.2 | 7639.7 | 7652.9 | 7666.0 | 7670.3 | 7666.0 | 7666.0 | 7661.7 | 7661.7 |
| 32.5° | 7045.0 | 7010.1 | 6970.7 | 6935.8 | 6922.6 | 6905.2 | 6896.3 | 6883.2 | 6861.4 | 6848.3 | 6852.6 |
| 35°   | 6218.5 | 6139.8 | 6091.7 | 6048.0 | 6013.1 | 5986.8 | 5973.7 | 5960.5 | 5956.2 | 5938.7 | 5921.1 |
| 37.5° | 5186.5 | 5129.6 | 5094.7 | 5068.4 | 5037.8 | 5011.6 | 5015.9 | 5020.4 | 5033.3 | 5024.7 | 5029.0 |
| 40°   | 4093.2 | 4080.1 | 4093.2 | 4062.6 | 4053.8 | 4062.6 | 4084.4 | 4115.2 | 4132.6 | 4150.1 | 4180.7 |
| 42.5° | 3113.6 | 3135.4 | 3166.2 | 3166.2 | 3179.2 | 3196.8 | 3222.9 | 3271.1 | 3297.2 | 3327.8 | 3362.9 |
| 45°   | 2344.0 | 2370.2 | 2409.7 | 2422.6 | 2431.4 | 2453.2 | 2484.0 | 2523.2 | 2540.7 | 2567.0 | 2597.6 |
| 47.5° | 1806.1 | 1823.6 | 1845.4 | 1867.3 | 1889.1 | 1897.9 | 1928.5 | 1928.5 | 1950.5 | 1967.9 | 1976.6 |
| 50°   | 1408.1 | 1425.6 | 1443.1 | 1456.2 | 1465.0 | 1478.2 | 1486.8 | 1499.9 | 1504.3 | 1513.1 | 1517.4 |
| 52.5° | 1102.0 | 1123.9 | 1123.9 | 1132.6 | 1145.7 | 1158.8 | 1154.5 | 1158.8 | 1163.2 | 1163.2 | 1176.3 |
| 55°   | 861.5  | 861.5  | 874.6  | 874.6  | 883.4  | 878.9  | 883.4  | 883.4  | 883.4  | 883.4  | 887.8  |
| 57.5° | 642.8  | 647.3  | 660.4  | 651.6  | 647.3  | 655.9  | 647.3  | 655.9  | 651.6  | 660.4  | 647.3  |
| 60°   | 494.1  | 494.1  | 498.6  | 498.6  | 502.9  | 502.9  | 502.9  | 498.6  | 498.6  | 494.1  | 494.1  |
| 62.5° | 371.7  | 376.0  | 380.5  | 376.0  | 376.0  | 376.0  | 371.7  | 371.7  | 367.4  | 362.9  | 362.9  |
| 65°   | 249.3  | 245.0  | 253.6  | 245.0  | 249.3  | 249.3  | 245.0  | 249.3  | 236.2  | 240.5  | 236.2  |
| 67.5° | 179.3  | 175.0  | 170.6  | 175.0  | 170.6  | 166.1  | 166.1  | 170.6  | 175.0  | 161.8  | 161.8  |
| 70°   | 118.1  | 122.4  | 118.1  | 122.4  | 126.9  | 126.9  | 122.4  | 118.1  | 122.4  | 113.8  | 118.1  |
| 72.5° | 74.3   | 74.3   | 74.3   | 74.3   | 74.3   | 78.7   | 78.7   | 78.7   | 70.0   | 70.0   | 65.5   |
| 75°   | 34.9   | 48.1   | 39.4   | 34.9   | 48.1   | 48.1   | 43.7   | 43.7   | 39.4   | 39.4   | 39.4   |
| 77.5° | 34.9   | 26.3   | 26.3   | 26.3   | 26.3   | 26.3   | 26.3   | 26.3   | 21.8   | 26.3   | 21.8   |
| 80°   | 17.5   | 17.5   | 17.5   | 13.1   | 17.5   | 17.5   | 21.8   | 17.5   | 17.5   | 13.1   | 21.8   |
| 82.5° | 8.8    | 8.8    | 8.8    | 0.0    | 4.3    | 8.8    | 8.8    | 4.3    | 8.8    | 8.8    | 4.3    |
| 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: P248980

CATALOG NUMBER: LD8B150D010 ER8B150827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 |
| 2.5°  | 9056.7 | 9052.4 | 9056.7 | 9061.0 | 9056.7 | 9052.4 | 9056.7 | 9061.0 | 9043.6 | 9039.2 | 9047.9 |
| 5°    | 9249.1 | 9249.1 | 9257.8 | 9262.3 | 9257.8 | 9249.1 | 9249.1 | 9231.7 | 9218.5 | 9205.4 | 9201.1 |
| 7.5°  | 9415.3 | 9424.1 | 9432.7 | 9437.0 | 9432.7 | 9424.1 | 9415.3 | 9389.0 | 9362.7 | 9340.9 | 9323.5 |
| 10°   | 9515.9 | 9529.0 | 9546.5 | 9555.1 | 9546.5 | 9529.0 | 9515.9 | 9485.3 | 9450.2 | 9415.3 | 9389.0 |
| 12.5° | 9559.6 | 9572.8 | 9594.5 | 9590.2 | 9594.5 | 9572.8 | 9559.6 | 9515.9 | 9476.5 | 9428.4 | 9389.0 |
| 15°   | 9529.0 | 9546.5 | 9568.3 | 9577.1 | 9568.3 | 9546.5 | 9529.0 | 9485.3 | 9450.2 | 9397.8 | 9358.4 |
| 17.5° | 9432.7 | 9459.0 | 9472.1 | 9485.3 | 9472.1 | 9459.0 | 9432.7 | 9397.8 | 9349.7 | 9306.0 | 9266.6 |
| 20°   | 9301.5 | 9319.1 | 9336.6 | 9340.9 | 9336.6 | 9319.1 | 9301.5 | 9262.3 | 9187.9 | 9179.1 | 9148.5 |
| 22.5° | 9113.6 | 9126.7 | 9166.0 | 9152.8 | 9166.0 | 9126.7 | 9113.6 | 9078.5 | 9052.4 | 9004.1 | 8973.5 |
| 25°   | 8842.3 | 8855.5 | 8860.0 | 8864.3 | 8860.0 | 8855.5 | 8842.3 | 8811.7 | 8785.6 | 8750.5 | 8733.1 |
| 27.5° | 8374.5 | 8374.5 | 8383.1 | 8387.6 | 8383.1 | 8374.5 | 8374.5 | 8352.5 | 8335.1 | 8317.6 | 8300.2 |
| 30°   | 7666.0 | 7666.0 | 7666.0 | 7688.0 | 7666.0 | 7666.0 | 7666.0 | 7661.7 | 7661.7 | 7666.0 | 7666.0 |
| 32.5° | 6848.3 | 6839.5 | 6830.8 | 6839.5 | 6830.8 | 6839.5 | 6848.3 | 6852.6 | 6848.3 | 6861.4 | 6883.2 |
| 35°   | 5921.1 | 5916.8 | 5929.9 | 5912.5 | 5929.9 | 5916.8 | 5921.1 | 5921.1 | 5938.7 | 5956.2 | 5960.5 |
| 37.5° | 5033.3 | 5024.7 | 5042.2 | 5024.7 | 5042.2 | 5024.7 | 5033.3 | 5029.0 | 5024.7 | 5033.3 | 5020.4 |
| 40°   | 4189.5 | 4198.1 | 4198.1 | 4233.2 | 4198.1 | 4198.1 | 4189.5 | 4180.7 | 4150.1 | 4132.6 | 4115.2 |
| 42.5° | 3380.4 | 3406.7 | 3397.9 | 3424.1 | 3397.9 | 3406.7 | 3380.4 | 3362.9 | 3327.8 | 3297.2 | 3271.1 |
| 45°   | 2615.0 | 2632.7 | 2632.7 | 2641.3 | 2632.7 | 2632.7 | 2615.0 | 2597.6 | 2567.0 | 2540.7 | 2523.2 |
| 47.5° | 2007.2 | 2007.2 | 2007.2 | 2011.7 | 2007.2 | 2007.2 | 2007.2 | 1976.6 | 1967.9 | 1950.5 | 1928.5 |
| 50°   | 1526.2 | 1530.5 | 1535.0 | 1539.4 | 1535.0 | 1530.5 | 1526.2 | 1517.4 | 1513.1 | 1504.3 | 1499.9 |
| 52.5° | 1172.0 | 1176.3 | 1167.7 | 1176.3 | 1167.7 | 1176.3 | 1172.0 | 1176.3 | 1163.2 | 1163.2 | 1158.8 |
| 55°   | 887.8  | 883.4  | 887.8  | 892.1  | 887.8  | 883.4  | 887.8  | 887.8  | 883.4  | 883.4  | 883.4  |
| 57.5° | 651.6  | 642.8  | 642.8  | 642.8  | 642.8  | 642.8  | 651.6  | 647.3  | 660.4  | 651.6  | 655.9  |
| 60°   | 485.5  | 489.8  | 489.8  | 494.1  | 489.8  | 489.8  | 485.5  | 494.1  | 494.1  | 498.6  | 498.6  |
| 62.5° | 358.6  | 371.7  | 362.9  | 371.7  | 362.9  | 371.7  | 358.6  | 362.9  | 362.9  | 367.4  | 371.7  |
| 65°   | 231.8  | 231.8  | 231.8  | 236.2  | 231.8  | 231.8  | 231.8  | 236.2  | 240.5  | 236.2  | 249.3  |
| 67.5° | 157.5  | 161.8  | 170.6  | 166.1  | 170.6  | 161.8  | 157.5  | 161.8  | 161.8  | 175.0  | 170.6  |
| 70°   | 126.9  | 113.8  | 113.8  | 126.9  | 113.8  | 113.8  | 126.9  | 118.1  | 113.8  | 122.4  | 118.1  |
| 72.5° | 74.3   | 65.5   | 74.3   | 74.3   | 74.3   | 65.5   | 74.3   | 65.5   | 70.0   | 70.0   | 78.7   |
| 75°   | 39.4   | 34.9   | 30.6   | 43.7   | 30.6   | 34.9   | 39.4   | 39.4   | 39.4   | 39.4   | 43.7   |
| 77.5° | 26.3   | 21.8   | 30.6   | 30.6   | 30.6   | 21.8   | 26.3   | 21.8   | 26.3   | 21.8   | 26.3   |
| 80°   | 13.1   | 17.5   | 13.1   | 21.8   | 13.1   | 17.5   | 13.1   | 21.8   | 13.1   | 17.5   | 17.5   |
| 82.5° | 4.3    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 4.3    | 4.3    | 8.8    | 8.8    | 4.3    |
| 85°   | 0.0    | 8.8    | 4.3    | 4.3    | 4.3    | 8.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 4.3    | 0.0    | 0.0    | 4.3    | 0.0    | 0.0    | 4.3    | 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: P248980

CATALOG NUMBER: LD8B150D010 ER8B150827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 |
| 2.5°  | 9047.9 | 9034.7 | 9039.2 | 9013.0 | 9013.0 | 9004.1 | 9008.6 | 8986.7 | 8978.0 | 8969.2 | 8982.4 |
| 5°    | 9179.1 | 9157.3 | 9139.7 | 9100.4 | 9078.5 | 9052.4 | 9039.2 | 9004.1 | 8973.5 | 8947.3 | 8942.9 |
| 7.5°  | 9284.0 | 9236.0 | 9205.4 | 9152.8 | 9113.6 | 9083.0 | 9039.2 | 8991.0 | 8951.8 | 8916.7 | 8890.6 |
| 10°   | 9327.8 | 9279.7 | 9231.7 | 9166.0 | 9122.2 | 9065.3 | 9021.6 | 8960.4 | 8908.0 | 8860.0 | 8829.2 |
| 12.5° | 9332.1 | 9270.9 | 9227.2 | 9152.8 | 9095.9 | 9034.7 | 8986.7 | 8916.7 | 8855.5 | 8807.4 | 8759.3 |
| 15°   | 9292.9 | 9236.0 | 9183.4 | 9104.8 | 9047.9 | 8991.0 | 8934.3 | 8860.0 | 8803.1 | 8746.2 | 8711.3 |
| 17.5° | 9205.4 | 9152.8 | 9091.6 | 9017.3 | 8964.9 | 8912.3 | 8851.1 | 8789.9 | 8724.2 | 8663.0 | 8619.3 |
| 20°   | 9091.6 | 9034.7 | 8982.4 | 8908.0 | 8864.3 | 8807.4 | 8750.5 | 8685.0 | 8632.4 | 8571.2 | 8523.2 |
| 22.5° | 8921.2 | 8868.6 | 8820.5 | 8776.8 | 8706.8 | 8663.0 | 8623.8 | 8549.5 | 8496.9 | 8440.0 | 8387.6 |
| 25°   | 8676.2 | 8623.8 | 8584.4 | 8531.8 | 8501.2 | 8453.2 | 8413.7 | 8348.2 | 8300.2 | 8247.6 | 8203.9 |
| 27.5° | 8273.9 | 8243.3 | 8221.3 | 8190.7 | 8164.6 | 8142.7 | 8120.9 | 8068.3 | 8033.4 | 7985.3 | 7941.6 |
| 30°   | 7670.3 | 7666.0 | 7652.9 | 7639.7 | 7657.2 | 7657.2 | 7657.2 | 7648.6 | 7618.0 | 7582.9 | 7552.3 |
| 32.5° | 6896.3 | 6905.2 | 6922.6 | 6935.8 | 6970.7 | 7010.1 | 7045.0 | 7062.5 | 7062.5 | 7040.7 | 7027.6 |
| 35°   | 5973.7 | 5986.8 | 6013.1 | 6048.0 | 6091.7 | 6139.8 | 6218.5 | 6236.1 | 6249.1 | 6249.1 | 6231.6 |
| 37.5° | 5015.9 | 5011.6 | 5037.8 | 5068.4 | 5094.7 | 5129.6 | 5186.5 | 5199.7 | 5221.4 | 5212.8 | 5195.2 |
| 40°   | 4084.4 | 4062.6 | 4053.8 | 4062.6 | 4093.2 | 4080.1 | 4093.2 | 4084.4 | 4084.4 | 4053.8 | 4053.8 |
| 42.5° | 3222.9 | 3196.8 | 3179.2 | 3166.2 | 3166.2 | 3135.4 | 3113.6 | 3091.9 | 3078.7 | 3056.8 | 3052.4 |
| 45°   | 2484.0 | 2453.2 | 2431.4 | 2422.6 | 2409.7 | 2370.2 | 2344.0 | 2317.7 | 2287.1 | 2278.4 | 2282.8 |
| 47.5° | 1928.5 | 1897.9 | 1889.1 | 1867.3 | 1845.4 | 1823.6 | 1806.1 | 1775.5 | 1771.0 | 1753.6 | 1771.0 |
| 50°   | 1486.8 | 1478.2 | 1465.0 | 1456.2 | 1443.1 | 1425.6 | 1408.1 | 1390.7 | 1381.9 | 1381.9 | 1386.2 |
| 52.5° | 1154.5 | 1158.8 | 1145.7 | 1132.6 | 1123.9 | 1123.9 | 1102.0 | 1097.6 | 1097.6 | 1080.2 | 1097.6 |
| 55°   | 883.4  | 878.9  | 883.4  | 874.6  | 874.6  | 861.5  | 861.5  | 848.3  | 848.3  | 835.2  | 844.0  |
| 57.5° | 647.3  | 655.9  | 647.3  | 651.6  | 660.4  | 647.3  | 642.8  | 629.6  | 638.5  | 629.6  | 634.1  |
| 60°   | 502.9  | 502.9  | 502.9  | 498.6  | 498.6  | 494.1  | 494.1  | 489.8  | 489.8  | 481.0  | 489.8  |
| 62.5° | 371.7  | 376.0  | 376.0  | 376.0  | 380.5  | 376.0  | 371.7  | 376.0  | 371.7  | 371.7  | 376.0  |
| 65°   | 245.0  | 249.3  | 249.3  | 245.0  | 253.6  | 245.0  | 249.3  | 253.6  | 257.9  | 253.6  | 257.9  |
| 67.5° | 166.1  | 166.1  | 170.6  | 175.0  | 170.6  | 175.0  | 179.3  | 175.0  | 179.3  | 188.1  | 179.3  |
| 70°   | 122.4  | 126.9  | 126.9  | 122.4  | 118.1  | 122.4  | 118.1  | 131.2  | 131.2  | 131.2  | 139.9  |
| 72.5° | 78.7   | 78.7   | 74.3   | 74.3   | 74.3   | 74.3   | 74.3   | 87.5   | 78.7   | 74.3   | 83.2   |
| 75°   | 43.7   | 48.1   | 48.1   | 34.9   | 39.4   | 48.1   | 34.9   | 39.4   | 52.6   | 43.7   | 52.6   |
| 77.5° | 26.3   | 26.3   | 26.3   | 26.3   | 26.3   | 26.3   | 34.9   | 30.6   | 30.6   | 30.6   | 34.9   |
| 80°   | 21.8   | 17.5   | 17.5   | 13.1   | 17.5   | 17.5   | 17.5   | 26.3   | 21.8   | 21.8   | 26.3   |
| 82.5° | 8.8    | 8.8    | 4.3    | 0.0    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 17.5   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.3    | 4.3    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 8.8    | 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: P248980

CATALOG NUMBER: LD8B150D010 ER8B150827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 |
| 2.5°  | 8947.3 | 8947.3 | 8942.9 | 8934.3 | 8916.7 | 8916.7 | 8912.3 | 8899.2 | 8890.6 | 8886.1 | 8886.1 |
| 5°    | 8903.5 | 8886.1 | 8868.6 | 8820.5 | 8820.5 | 8811.7 | 8785.6 | 8768.0 | 8759.3 | 8737.4 | 8728.7 |
| 7.5°  | 8864.3 | 8811.7 | 8781.1 | 8750.5 | 8711.3 | 8693.6 | 8663.0 | 8649.9 | 8619.3 | 8597.5 | 8584.4 |
| 10°   | 8768.0 | 8733.1 | 8693.6 | 8645.6 | 8615.0 | 8580.1 | 8545.0 | 8518.9 | 8479.4 | 8457.5 | 8440.0 |
| 12.5° | 8702.5 | 8649.9 | 8615.0 | 8562.4 | 8510.0 | 8479.4 | 8431.4 | 8400.8 | 8361.4 | 8317.6 | 8291.3 |
| 15°   | 8641.3 | 8584.4 | 8536.3 | 8479.4 | 8422.6 | 8387.6 | 8330.8 | 8295.8 | 8239.0 | 8195.2 | 8164.6 |
| 17.5° | 8549.5 | 8501.2 | 8448.8 | 8378.8 | 8326.4 | 8282.7 | 8221.3 | 8177.8 | 8125.2 | 8068.3 | 8037.7 |
| 20°   | 8453.2 | 8396.3 | 8343.9 | 8273.9 | 8221.3 | 8168.9 | 8107.7 | 8059.7 | 7998.3 | 7945.9 | 7911.0 |
| 22.5° | 8326.4 | 8260.7 | 8217.0 | 8147.0 | 8085.8 | 8029.1 | 7972.2 | 7915.3 | 7858.4 | 7814.7 | 7775.3 |
| 25°   | 8142.7 | 8072.6 | 8024.6 | 7967.7 | 7911.0 | 7867.3 | 7797.2 | 7762.3 | 7705.4 | 7666.0 | 7626.6 |
| 27.5° | 7880.2 | 7827.8 | 7784.1 | 7727.2 | 7679.2 | 7644.2 | 7591.7 | 7556.8 | 7508.5 | 7473.6 | 7443.0 |
| 30°   | 7495.6 | 7451.8 | 7412.4 | 7355.5 | 7320.6 | 7290.0 | 7241.8 | 7211.2 | 7176.2 | 7136.8 | 7128.2 |
| 32.5° | 6979.5 | 6944.4 | 6905.2 | 6865.7 | 6839.5 | 6822.0 | 6782.6 | 6765.1 | 6730.2 | 6708.2 | 6686.5 |
| 35°   | 6201.0 | 6170.4 | 6148.6 | 6131.2 | 6122.3 | 6126.7 | 6118.0 | 6135.5 | 6144.1 | 6139.8 | 6144.1 |
| 37.5° | 5182.2 | 5164.6 | 5173.4 | 5186.5 | 5230.3 | 5287.1 | 5339.5 | 5418.2 | 5470.7 | 5523.3 | 5571.4 |
| 40°   | 4045.1 | 4058.3 | 4093.2 | 4171.9 | 4285.6 | 4412.5 | 4530.6 | 4679.3 | 4828.0 | 4932.9 | 5029.0 |
| 42.5° | 3052.4 | 3091.9 | 3179.2 | 3292.9 | 3463.6 | 3651.5 | 3835.3 | 4053.8 | 4233.2 | 4408.0 | 4530.6 |
| 45°   | 2295.9 | 2348.3 | 2462.0 | 2619.5 | 2807.5 | 3026.2 | 3258.0 | 3502.8 | 3717.2 | 3896.5 | 4032.0 |
| 47.5° | 1788.7 | 1836.7 | 1950.5 | 2116.6 | 2348.3 | 2575.8 | 2816.3 | 3069.9 | 3292.9 | 3467.9 | 3586.0 |
| 50°   | 1412.5 | 1473.7 | 1574.3 | 1749.2 | 1981.1 | 2221.6 | 2470.9 | 2720.0 | 2930.0 | 3078.7 | 3183.7 |
| 52.5° | 1110.8 | 1167.7 | 1263.8 | 1447.6 | 1683.7 | 1924.2 | 2155.9 | 2400.8 | 2584.4 | 2728.8 | 2798.8 |
| 55°   | 861.5  | 914.0  | 1014.5 | 1167.7 | 1390.7 | 1626.8 | 1858.5 | 2068.6 | 2239.0 | 2344.0 | 2409.7 |
| 57.5° | 655.9  | 695.3  | 765.4  | 918.4  | 1119.6 | 1338.1 | 1535.0 | 1744.9 | 1876.1 | 1950.5 | 1994.0 |
| 60°   | 498.6  | 529.2  | 603.5  | 721.6  | 905.2  | 1093.3 | 1259.5 | 1417.0 | 1521.9 | 1583.1 | 1626.8 |
| 62.5° | 376.0  | 411.1  | 463.5  | 564.1  | 704.0  | 857.2  | 997.0  | 1115.1 | 1202.6 | 1242.0 | 1272.6 |
| 65°   | 257.9  | 284.2  | 323.6  | 402.3  | 520.4  | 629.6  | 739.1  | 826.6  | 883.4  | 927.2  | 944.6  |
| 67.5° | 192.4  | 209.9  | 231.8  | 293.0  | 376.0  | 463.5  | 537.8  | 599.0  | 660.4  | 677.9  | 708.5  |
| 70°   | 144.4  | 157.5  | 179.3  | 223.0  | 271.1  | 332.3  | 393.7  | 428.6  | 472.3  | 502.9  | 511.7  |
| 72.5° | 91.8   | 96.1   | 118.1  | 144.4  | 183.6  | 223.0  | 262.4  | 293.0  | 319.3  | 336.8  | 345.4  |
| 75°   | 52.6   | 78.7   | 78.7   | 104.9  | 131.2  | 148.7  | 175.0  | 196.7  | 209.9  | 223.0  | 223.0  |
| 77.5° | 34.9   | 48.1   | 52.6   | 65.5   | 78.7   | 100.6  | 122.4  | 135.5  | 148.7  | 153.0  | 153.0  |
| 80°   | 30.6   | 34.9   | 34.9   | 48.1   | 56.9   | 74.3   | 87.5   | 91.8   | 100.6  | 104.9  | 113.8  |
| 82.5° | 13.1   | 17.5   | 21.8   | 34.9   | 39.4   | 39.4   | 52.6   | 56.9   | 65.5   | 70.0   | 70.0   |
| 85°   | 4.3    | 8.8    | 8.8    | 13.1   | 21.8   | 26.3   | 30.6   | 34.9   | 39.4   | 39.4   | 43.7   |
| 87.5° | 4.3    | 4.3    | 0.0    | 4.3    | 8.8    | 8.8    | 17.5   | 17.5   | 17.5   | 26.3   | 26.3   |
| 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: P248980

CATALOG NUMBER: LD8B150D010 ER8B150827 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 | 8956.1 |
| 2.5°  | 8877.4 | 8881.7 | 8864.3 | 8860.0 | 8851.1 | 8855.5 | 8864.3 |
| 5°    | 8715.6 | 8719.9 | 8702.5 | 8685.0 | 8685.0 | 8680.5 | 8685.0 |
| 7.5°  | 8562.4 | 8566.9 | 8540.6 | 8531.8 | 8514.4 | 8518.9 | 8518.9 |
| 10°   | 8409.4 | 8409.4 | 8370.2 | 8365.7 | 8352.5 | 8348.2 | 8348.2 |
| 12.5° | 8260.7 | 8247.6 | 8217.0 | 8199.5 | 8208.4 | 8182.1 | 8182.1 |
| 15°   | 8129.5 | 8107.7 | 8068.3 | 8055.2 | 8033.4 | 8024.6 | 8024.6 |
| 17.5° | 7994.0 | 7976.5 | 7941.6 | 7915.3 | 7889.0 | 7884.7 | 7889.0 |
| 20°   | 7862.8 | 7845.3 | 7801.6 | 7784.1 | 7762.3 | 7762.3 | 7753.5 |
| 22.5° | 7731.5 | 7714.1 | 7674.8 | 7661.7 | 7631.1 | 7631.1 | 7635.4 |
| 25°   | 7596.0 | 7582.9 | 7539.1 | 7530.5 | 7526.2 | 7508.5 | 7517.3 |
| 27.5° | 7412.4 | 7403.6 | 7368.7 | 7355.5 | 7338.1 | 7333.7 | 7342.4 |
| 30°   | 7075.6 | 7062.5 | 7036.4 | 7023.2 | 6992.6 | 6997.0 | 7005.6 |
| 32.5° | 6655.9 | 6638.4 | 6603.3 | 6590.2 | 6564.1 | 6555.2 | 6559.6 |
| 35°   | 6131.2 | 6118.0 | 6087.4 | 6087.4 | 6061.1 | 6052.3 | 6061.1 |
| 37.5° | 5597.6 | 5610.6 | 5597.6 | 5610.6 | 5597.6 | 5593.1 | 5597.6 |
| 40°   | 5094.7 | 5142.8 | 5151.4 | 5199.7 | 5182.2 | 5208.3 | 5204.0 |
| 42.5° | 4613.6 | 4692.2 | 4723.0 | 4762.3 | 4753.6 | 4771.1 | 4784.2 |
| 45°   | 4128.1 | 4193.8 | 4224.4 | 4250.7 | 4255.0 | 4263.8 | 4268.2 |
| 47.5° | 3668.9 | 3721.5 | 3725.8 | 3756.4 | 3752.1 | 3752.1 | 3765.2 |
| 50°   | 3240.5 | 3275.5 | 3284.1 | 3306.1 | 3288.6 | 3279.8 | 3284.1 |
| 52.5° | 2842.6 | 2877.5 | 2868.7 | 2877.5 | 2855.7 | 2846.9 | 2851.2 |
| 55°   | 2435.8 | 2453.2 | 2453.2 | 2453.2 | 2427.1 | 2427.1 | 2427.1 |
| 57.5° | 2020.3 | 2024.8 | 2016.0 | 2020.3 | 2016.0 | 1989.7 | 1985.4 |
| 60°   | 1640.0 | 1640.0 | 1635.5 | 1640.0 | 1626.8 | 1613.7 | 1613.7 |
| 62.5° | 1281.2 | 1290.1 | 1307.5 | 1290.1 | 1281.2 | 1290.1 | 1276.9 |
| 65°   | 957.8  | 975.2  | 970.7  | 979.6  | 975.2  | 975.2  | 966.4  |
| 67.5° | 721.6  | 725.9  | 730.3  | 734.8  | 734.8  | 734.8  | 734.8  |
| 70°   | 529.2  | 542.3  | 537.8  | 537.8  | 537.8  | 537.8  | 564.1  |
| 72.5° | 354.2  | 371.7  | 367.4  | 376.0  | 376.0  | 384.8  | 376.0  |
| 75°   | 240.5  | 257.9  | 249.3  | 262.4  | 257.9  | 249.3  | 271.1  |
| 77.5° | 161.8  | 170.6  | 175.0  | 179.3  | 175.0  | 170.6  | 175.0  |
| 80°   | 113.8  | 122.4  | 118.1  | 122.4  | 122.4  | 122.4  | 126.9  |
| 82.5° | 70.0   | 83.2   | 78.7   | 83.2   | 78.7   | 83.2   | 83.2   |
| 85°   | 48.1   | 52.6   | 43.7   | 52.6   | 48.1   | 48.1   | 56.9   |
| 87.5° | 30.6   | 26.3   | 26.3   | 30.6   | 26.3   | 30.6   | 26.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)