

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: P249076

Luminaire Tested: **LD8B90D010 ER8B90930 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249076  
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: LD8B90D010 ER8B90930 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 3000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7703.5 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

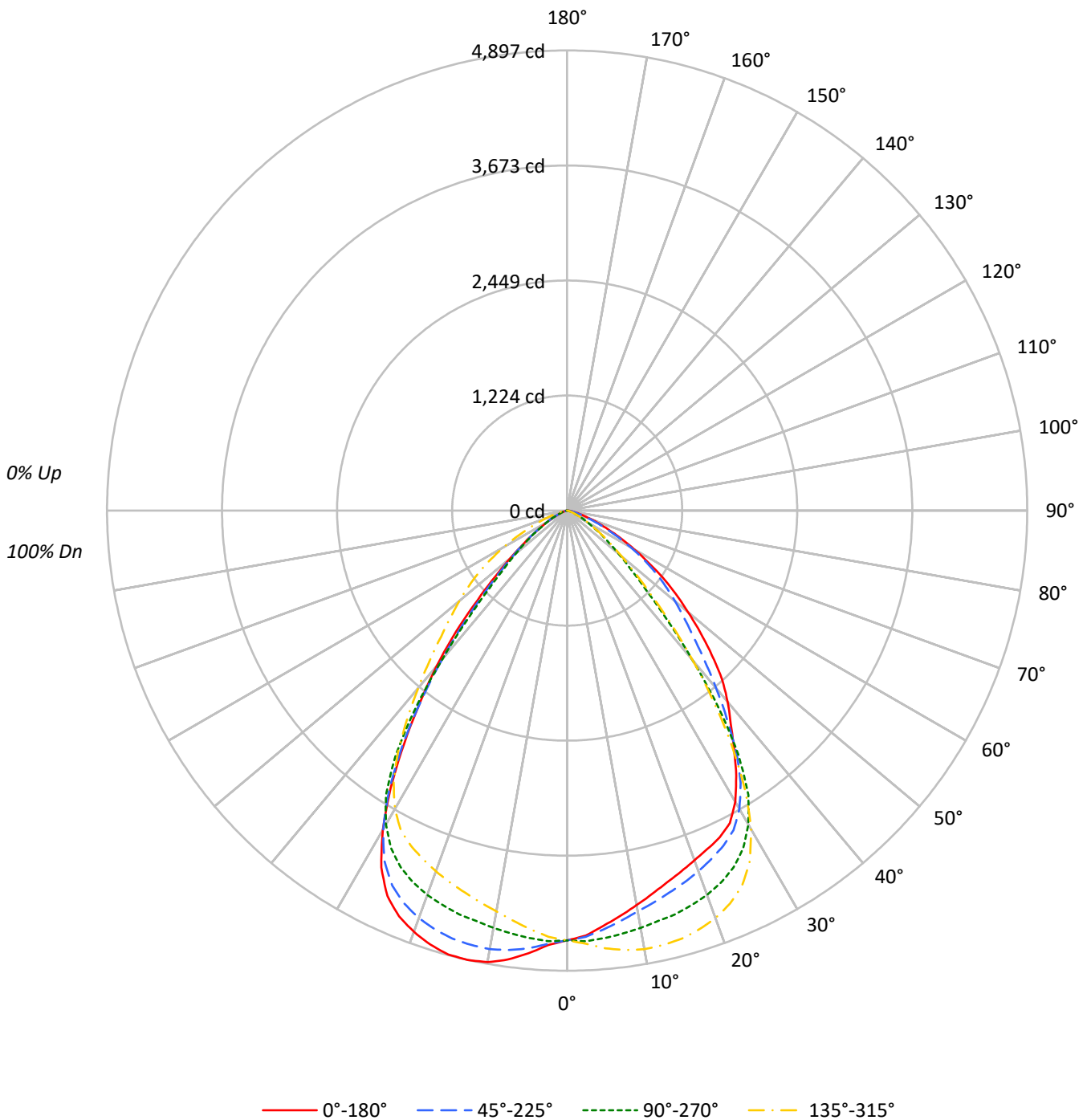
Input Watts (W): 86.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

### Luminous Intensity Polar Plot





TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 112 | 109 | 106 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 92  | 90  |
| 2   | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 88  | 93  | 90  | 86  | 90  | 87  | 84  | 87  | 85  | 83  | 81  |
| 3   | 98  | 90  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |
| 4   | 91  | 82  | 75  | 70  | 89  | 80  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 65  |
| 5   | 85  | 75  | 68  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |
| 6   | 80  | 69  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 55  | 53  |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 48  |
| 8   | 70  | 59  | 51  | 46  | 69  | 58  | 51  | 46  | 57  | 50  | 46  | 56  | 50  | 46  | 55  | 49  | 46  | 44  |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 40  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 37  |

**AVERAGE LUMINANCE (cd/sqm):**

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



TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 435.3  | 5.7       |
| 10°-20°   | 1260.5 | 16.4      |
| 20°-30°   | 1908.7 | 24.8      |
| 30°-40°   | 1913.0 | 24.8      |
| 40°-50°   | 1201.3 | 15.6      |
| 50°-60°   | 640.2  | 8.3       |
| 60°-70°   | 263.2  | 3.4       |
| 70°-80°   | 69.5   | 0.9       |
| 80°-90°   | 11.8   | 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°    | 3604.5 | 46.8      |
| 0°-40°    | 5517.5 | 71.6      |
| 0°-60°    | 7359.0 | 95.5      |
| 0°-90°    | 7703.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7703.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 4573 | 4573 | 4573 | 4573 | 4573 |      |
| 5°  | 4435 | 4567 | 4730 | 4567 | 4435 | 418  |
| 15° | 4098 | 4448 | 4890 | 4448 | 4098 | 1159 |
| 25° | 3839 | 4189 | 4526 | 4189 | 3839 | 1761 |
| 35° | 3095 | 3182 | 3019 | 3182 | 3095 | 1939 |
| 45° | 2179 | 1166 | 1349 | 1166 | 2179 | 1676 |
| 55° | 1239 | 431  | 456  | 431  | 1239 | 1105 |
| 65° | 494  | 132  | 121  | 132  | 494  | 512  |
| 75° | 138  | 27   | 22   | 27   | 138  | 157  |
| 85° | 29   | 0    | 2    | 0    | 29   | 32   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 |
| 2.5°  | 4526.5 | 4522.0 | 4519.8 | 4524.2 | 4526.5 | 4535.3 | 4533.2 | 4537.6 | 4537.6 | 4539.8 | 4544.3 |
| 5°    | 4434.9 | 4432.7 | 4434.9 | 4434.9 | 4443.9 | 4452.7 | 4450.5 | 4457.2 | 4461.7 | 4472.9 | 4477.3 |
| 7.5°  | 4350.0 | 4350.0 | 4347.8 | 4356.7 | 4361.1 | 4374.6 | 4372.3 | 4383.6 | 4390.3 | 4401.4 | 4417.0 |
| 10°   | 4262.9 | 4262.9 | 4265.2 | 4271.8 | 4274.1 | 4294.2 | 4294.2 | 4309.8 | 4318.8 | 4330.0 | 4350.0 |
| 12.5° | 4178.1 | 4178.1 | 4191.5 | 4187.0 | 4195.9 | 4211.6 | 4218.2 | 4233.9 | 4247.4 | 4269.7 | 4289.7 |
| 15°   | 4097.7 | 4097.7 | 4102.2 | 4113.3 | 4120.0 | 4140.2 | 4151.3 | 4169.2 | 4184.8 | 4207.1 | 4236.1 |
| 17.5° | 4028.4 | 4026.3 | 4028.4 | 4041.9 | 4055.3 | 4073.2 | 4082.0 | 4104.4 | 4120.0 | 4149.0 | 4175.8 |
| 20°   | 3959.3 | 3963.7 | 3963.7 | 3974.8 | 3983.8 | 4006.1 | 4015.1 | 4039.6 | 4057.5 | 4084.3 | 4115.6 |
| 22.5° | 3899.0 | 3896.7 | 3896.7 | 3912.4 | 3919.1 | 3939.1 | 3948.0 | 3970.4 | 3990.5 | 4012.8 | 4041.9 |
| 25°   | 3838.6 | 3834.2 | 3843.1 | 3845.4 | 3849.7 | 3872.2 | 3878.8 | 3894.5 | 3914.5 | 3934.7 | 3963.7 |
| 27.5° | 3749.3 | 3744.9 | 3747.1 | 3756.0 | 3762.7 | 3780.6 | 3785.1 | 3800.6 | 3816.3 | 3834.2 | 3858.8 |
| 30°   | 3577.3 | 3573.0 | 3570.7 | 3586.3 | 3593.0 | 3606.4 | 3613.1 | 3639.9 | 3644.4 | 3664.4 | 3682.3 |
| 32.5° | 3349.5 | 3347.4 | 3351.9 | 3365.2 | 3371.9 | 3389.8 | 3398.8 | 3414.3 | 3425.4 | 3436.8 | 3454.6 |
| 35°   | 3095.1 | 3090.6 | 3095.1 | 3108.5 | 3108.5 | 3124.1 | 3130.8 | 3137.5 | 3135.2 | 3137.5 | 3133.0 |
| 37.5° | 2858.3 | 2856.1 | 2858.3 | 2865.1 | 2858.3 | 2865.1 | 2858.3 | 2845.0 | 2820.4 | 2793.5 | 2766.7 |
| 40°   | 2657.3 | 2659.6 | 2646.2 | 2655.2 | 2630.5 | 2626.1 | 2601.6 | 2568.0 | 2518.9 | 2465.3 | 2389.4 |
| 42.5° | 2443.0 | 2436.3 | 2427.4 | 2431.8 | 2411.7 | 2396.0 | 2355.9 | 2313.5 | 2250.9 | 2161.6 | 2070.0 |
| 45°   | 2179.4 | 2177.3 | 2172.8 | 2170.6 | 2157.1 | 2141.6 | 2107.9 | 2058.9 | 1989.7 | 1898.2 | 1788.7 |
| 47.5° | 1922.6 | 1916.0 | 1916.0 | 1918.1 | 1902.6 | 1900.3 | 1873.5 | 1831.2 | 1770.8 | 1681.5 | 1567.6 |
| 50°   | 1677.0 | 1674.8 | 1679.3 | 1688.2 | 1677.0 | 1672.5 | 1654.7 | 1625.7 | 1572.1 | 1496.2 | 1388.9 |
| 52.5° | 1456.0 | 1453.7 | 1458.2 | 1469.4 | 1464.8 | 1469.4 | 1451.5 | 1429.2 | 1393.4 | 1319.8 | 1225.9 |
| 55°   | 1239.4 | 1239.4 | 1239.4 | 1252.7 | 1252.7 | 1252.7 | 1243.7 | 1230.5 | 1196.9 | 1143.3 | 1056.3 |
| 57.5° | 1013.8 | 1016.1 | 1029.4 | 1031.7 | 1029.4 | 1033.9 | 1031.7 | 1018.2 | 996.0  | 958.0  | 891.0  |
| 60°   | 824.0  | 824.0  | 830.8  | 837.4  | 835.1  | 837.4  | 837.4  | 830.8  | 808.4  | 777.2  | 723.6  |
| 62.5° | 652.1  | 658.8  | 654.2  | 658.8  | 667.7  | 658.8  | 654.2  | 649.8  | 634.3  | 614.1  | 569.5  |
| 65°   | 493.5  | 497.9  | 497.9  | 500.2  | 495.7  | 497.9  | 489.1  | 482.4  | 473.5  | 451.1  | 422.1  |
| 67.5° | 375.2  | 375.2  | 375.2  | 375.2  | 372.8  | 370.7  | 368.5  | 361.7  | 346.2  | 337.2  | 305.9  |
| 70°   | 288.1  | 274.6  | 274.6  | 274.6  | 274.6  | 276.9  | 270.3  | 261.3  | 256.8  | 241.2  | 218.8  |
| 72.5° | 192.0  | 196.5  | 192.0  | 192.0  | 187.5  | 189.8  | 180.9  | 176.3  | 172.0  | 163.1  | 149.7  |
| 75°   | 138.4  | 127.3  | 131.7  | 134.0  | 127.3  | 131.7  | 122.7  | 113.9  | 113.9  | 107.2  | 100.4  |
| 77.5° | 89.3   | 87.1   | 89.3   | 91.6   | 89.3   | 87.1   | 82.6   | 78.1   | 78.1   | 75.9   | 69.2   |
| 80°   | 64.8   | 62.6   | 62.6   | 62.6   | 60.3   | 62.6   | 58.1   | 58.1   | 53.6   | 51.3   | 46.9   |
| 82.5° | 42.5   | 42.5   | 40.1   | 42.5   | 40.1   | 42.5   | 35.8   | 35.8   | 35.8   | 33.4   | 29.0   |
| 85°   | 29.0   | 24.5   | 24.5   | 26.8   | 22.3   | 26.8   | 24.5   | 22.3   | 20.2   | 20.2   | 17.8   |
| 87.5° | 13.5   | 15.6   | 13.5   | 15.6   | 13.5   | 13.5   | 15.6   | 13.5   | 13.5   | 9.0    | 9.0    |
| 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: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 |
| 2.5°  | 4551.0 | 4553.2 | 4553.2 | 4562.2 | 4566.6 | 4568.9 | 4568.9 | 4586.8 | 4580.1 | 4584.6 | 4588.9 |
| 5°    | 4486.2 | 4499.6 | 4504.1 | 4504.1 | 4528.6 | 4537.6 | 4546.4 | 4566.6 | 4568.9 | 4582.2 | 4597.9 |
| 7.5°  | 4423.7 | 4439.3 | 4448.4 | 4468.4 | 4484.0 | 4499.6 | 4526.5 | 4539.8 | 4553.2 | 4571.1 | 4591.2 |
| 10°   | 4363.4 | 4381.3 | 4399.1 | 4414.7 | 4439.3 | 4459.5 | 4477.3 | 4508.5 | 4524.2 | 4548.8 | 4575.6 |
| 12.5° | 4305.4 | 4330.0 | 4345.6 | 4372.3 | 4399.1 | 4417.0 | 4443.9 | 4472.9 | 4497.5 | 4522.0 | 4553.2 |
| 15°   | 4254.0 | 4283.1 | 4300.9 | 4330.0 | 4359.0 | 4383.6 | 4412.6 | 4448.4 | 4466.2 | 4495.2 | 4524.2 |
| 17.5° | 4198.1 | 4229.4 | 4251.8 | 4278.5 | 4314.3 | 4341.1 | 4365.7 | 4401.4 | 4423.7 | 4455.0 | 4488.5 |
| 20°   | 4140.2 | 4171.4 | 4198.1 | 4224.9 | 4260.7 | 4287.5 | 4316.5 | 4352.3 | 4376.8 | 4408.1 | 4434.9 |
| 22.5° | 4070.9 | 4099.9 | 4128.9 | 4160.1 | 4195.9 | 4218.2 | 4251.8 | 4283.1 | 4309.8 | 4338.8 | 4365.7 |
| 25°   | 3981.6 | 4017.3 | 4039.6 | 4068.7 | 4097.7 | 4122.3 | 4158.0 | 4189.2 | 4211.6 | 4238.4 | 4262.9 |
| 27.5° | 3876.6 | 3903.4 | 3921.3 | 3945.8 | 3974.8 | 3997.3 | 4023.9 | 4055.3 | 4077.6 | 4102.2 | 4120.0 |
| 30°   | 3698.0 | 3722.6 | 3738.2 | 3756.0 | 3785.1 | 3805.2 | 3827.5 | 3856.5 | 3872.2 | 3890.0 | 3905.7 |
| 32.5° | 3463.4 | 3483.6 | 3492.5 | 3505.9 | 3526.1 | 3546.1 | 3564.0 | 3588.5 | 3595.3 | 3606.4 | 3606.4 |
| 35°   | 3124.1 | 3128.5 | 3126.4 | 3130.8 | 3139.7 | 3150.9 | 3166.5 | 3182.1 | 3191.0 | 3191.0 | 3184.4 |
| 37.5° | 2726.6 | 2699.8 | 2670.8 | 2648.5 | 2641.7 | 2637.3 | 2646.2 | 2652.8 | 2661.8 | 2666.3 | 2655.2 |
| 40°   | 2313.5 | 2253.2 | 2188.4 | 2130.3 | 2090.1 | 2072.3 | 2065.6 | 2070.0 | 2070.0 | 2085.6 | 2085.6 |
| 42.5° | 1958.4 | 1864.6 | 1768.6 | 1681.5 | 1623.4 | 1578.8 | 1558.8 | 1558.8 | 1560.9 | 1572.1 | 1578.8 |
| 45°   | 1663.7 | 1545.3 | 1433.6 | 1337.7 | 1257.2 | 1199.1 | 1172.3 | 1165.6 | 1163.5 | 1167.9 | 1183.6 |
| 47.5° | 1438.1 | 1315.3 | 1199.1 | 1080.9 | 996.0  | 937.9  | 913.4  | 904.3  | 895.5  | 904.3  | 906.7  |
| 50°   | 1261.7 | 1134.5 | 1011.6 | 893.2  | 803.9  | 752.5  | 721.3  | 707.8  | 705.7  | 705.7  | 710.2  |
| 52.5° | 1100.8 | 982.6  | 859.8  | 739.2  | 645.4  | 596.3  | 567.2  | 560.5  | 551.5  | 560.5  | 560.5  |
| 55°   | 949.0  | 830.8  | 710.2  | 596.3  | 518.0  | 466.8  | 439.9  | 431.0  | 426.5  | 433.2  | 433.2  |
| 57.5° | 783.8  | 683.2  | 571.7  | 468.9  | 390.8  | 355.0  | 335.0  | 323.9  | 321.5  | 326.0  | 321.5  |
| 60°   | 643.1  | 558.3  | 462.2  | 368.5  | 308.2  | 270.3  | 254.6  | 250.1  | 245.6  | 250.1  | 250.1  |
| 62.5° | 509.2  | 437.8  | 359.5  | 288.1  | 236.6  | 210.0  | 192.0  | 192.0  | 189.8  | 189.8  | 192.0  |
| 65°   | 377.4  | 321.5  | 265.7  | 205.5  | 165.2  | 145.2  | 131.7  | 131.7  | 129.5  | 131.7  | 129.5  |
| 67.5° | 274.6  | 236.6  | 192.0  | 149.7  | 118.4  | 107.2  | 98.3   | 91.6   | 96.1   | 91.6   | 89.3   |
| 70°   | 201.0  | 169.7  | 138.4  | 113.9  | 91.6   | 80.4   | 73.8   | 71.4   | 67.0   | 67.0   | 67.0   |
| 72.5° | 134.0  | 113.9  | 93.7   | 73.8   | 60.3   | 49.1   | 46.9   | 42.5   | 38.0   | 40.1   | 44.6   |
| 75°   | 89.3   | 75.9   | 67.0   | 53.6   | 40.1   | 40.1   | 26.8   | 26.8   | 22.3   | 26.8   | 20.2   |
| 77.5° | 62.6   | 51.3   | 40.1   | 33.4   | 26.8   | 24.5   | 17.8   | 17.8   | 15.6   | 15.6   | 15.6   |
| 80°   | 44.6   | 38.0   | 29.0   | 24.5   | 17.8   | 17.8   | 15.6   | 13.5   | 11.1   | 11.1   | 13.5   |
| 82.5° | 26.8   | 20.2   | 20.2   | 17.8   | 11.1   | 9.0    | 6.7    | 9.0    | 4.5    | 4.5    | 4.5    |
| 85°   | 15.6   | 13.5   | 11.1   | 6.7    | 4.5    | 4.5    | 2.2    | 0.0    | 2.2    | 2.2    | 0.0    |
| 87.5° | 9.0    | 4.5    | 4.5    | 2.2    | 0.0    | 2.2    | 2.2    | 0.0    | 0.0    | 0.0    | 4.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 |
| 2.5°  | 4600.1 | 4597.9 | 4602.4 | 4602.4 | 4615.8 | 4613.5 | 4620.2 | 4620.2 | 4615.8 | 4618.0 | 4626.9 |
| 5°    | 4615.8 | 4622.6 | 4635.8 | 4647.0 | 4667.1 | 4676.1 | 4687.2 | 4698.4 | 4700.7 | 4707.3 | 4714.0 |
| 7.5°  | 4615.8 | 4638.1 | 4653.7 | 4673.8 | 4700.7 | 4716.3 | 4740.8 | 4760.9 | 4769.9 | 4781.0 | 4794.4 |
| 10°   | 4606.7 | 4629.2 | 4658.2 | 4680.5 | 4714.0 | 4738.6 | 4763.1 | 4794.4 | 4807.9 | 4825.7 | 4843.6 |
| 12.5° | 4588.9 | 4613.5 | 4644.8 | 4673.8 | 4711.8 | 4734.1 | 4765.4 | 4794.4 | 4814.5 | 4839.0 | 4859.2 |
| 15°   | 4562.2 | 4591.2 | 4620.2 | 4649.2 | 4689.4 | 4716.3 | 4745.3 | 4778.7 | 4798.9 | 4825.7 | 4843.6 |
| 17.5° | 4519.8 | 4551.0 | 4577.8 | 4604.6 | 4642.5 | 4673.8 | 4700.7 | 4731.9 | 4752.0 | 4774.3 | 4798.9 |
| 20°   | 4468.4 | 4497.5 | 4526.5 | 4548.8 | 4586.8 | 4613.5 | 4642.5 | 4671.5 | 4687.2 | 4691.7 | 4729.7 |
| 22.5° | 4403.6 | 4423.7 | 4446.0 | 4481.8 | 4504.1 | 4528.6 | 4555.5 | 4582.2 | 4597.9 | 4622.6 | 4635.8 |
| 25°   | 4296.3 | 4316.5 | 4341.1 | 4356.7 | 4383.6 | 4403.6 | 4430.4 | 4459.5 | 4468.4 | 4486.2 | 4499.6 |
| 27.5° | 4146.8 | 4158.0 | 4169.2 | 4182.6 | 4198.1 | 4209.4 | 4224.9 | 4238.4 | 4247.4 | 4256.2 | 4265.2 |
| 30°   | 3910.0 | 3910.0 | 3910.0 | 3901.2 | 3907.9 | 3914.5 | 3916.8 | 3914.5 | 3914.5 | 3912.4 | 3912.4 |
| 32.5° | 3597.5 | 3579.7 | 3559.5 | 3541.7 | 3535.0 | 3526.1 | 3521.5 | 3514.8 | 3503.7 | 3497.0 | 3499.2 |
| 35°   | 3175.3 | 3135.2 | 3110.7 | 3088.4 | 3070.5 | 3057.1 | 3050.4 | 3043.6 | 3041.5 | 3032.5 | 3023.6 |
| 37.5° | 2648.5 | 2619.4 | 2601.6 | 2588.2 | 2572.5 | 2559.1 | 2561.3 | 2563.6 | 2570.2 | 2565.9 | 2568.0 |
| 40°   | 2090.1 | 2083.5 | 2090.1 | 2074.5 | 2070.0 | 2074.5 | 2085.6 | 2101.3 | 2110.3 | 2119.3 | 2134.8 |
| 42.5° | 1589.9 | 1601.1 | 1616.8 | 1616.8 | 1623.4 | 1632.4 | 1645.7 | 1670.4 | 1683.7 | 1699.3 | 1717.3 |
| 45°   | 1196.9 | 1210.3 | 1230.5 | 1237.1 | 1241.6 | 1252.7 | 1268.4 | 1288.5 | 1297.3 | 1310.8 | 1326.5 |
| 47.5° | 922.2  | 931.2  | 942.3  | 953.5  | 964.6  | 969.1  | 984.8  | 984.8  | 996.0  | 1004.9 | 1009.3 |
| 50°   | 719.0  | 728.0  | 736.8  | 743.6  | 748.0  | 754.8  | 759.3  | 766.0  | 768.1  | 772.6  | 774.8  |
| 52.5° | 562.7  | 574.0  | 574.0  | 578.3  | 585.0  | 591.8  | 589.5  | 591.8  | 593.9  | 593.9  | 600.6  |
| 55°   | 439.9  | 439.9  | 446.6  | 446.6  | 451.1  | 448.8  | 451.1  | 451.1  | 451.1  | 451.1  | 453.3  |
| 57.5° | 328.2  | 330.6  | 337.2  | 332.7  | 330.6  | 335.0  | 330.6  | 335.0  | 332.7  | 337.2  | 330.6  |
| 60°   | 252.3  | 252.3  | 254.6  | 254.6  | 256.8  | 256.8  | 256.8  | 254.6  | 254.6  | 252.3  | 252.3  |
| 62.5° | 189.8  | 192.0  | 194.3  | 192.0  | 192.0  | 192.0  | 189.8  | 189.8  | 187.5  | 185.3  | 185.3  |
| 65°   | 127.3  | 125.1  | 129.5  | 125.1  | 127.3  | 127.3  | 125.1  | 127.3  | 120.6  | 122.7  | 120.6  |
| 67.5° | 91.6   | 89.3   | 87.1   | 89.3   | 87.1   | 84.9   | 84.9   | 87.1   | 89.3   | 82.6   | 82.6   |
| 70°   | 60.3   | 62.6   | 60.3   | 62.6   | 64.8   | 64.8   | 62.6   | 60.3   | 62.6   | 58.1   | 60.3   |
| 72.5° | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 40.1   | 40.1   | 40.1   | 35.8   | 35.8   | 33.4   |
| 75°   | 17.8   | 24.5   | 20.2   | 17.8   | 24.5   | 24.5   | 22.3   | 22.3   | 20.2   | 20.2   | 20.2   |
| 77.5° | 17.8   | 13.5   | 13.5   | 13.5   | 13.5   | 13.5   | 13.5   | 13.5   | 11.1   | 13.5   | 11.1   |
| 80°   | 9.0    | 9.0    | 9.0    | 6.7    | 9.0    | 9.0    | 11.1   | 9.0    | 9.0    | 6.7    | 11.1   |
| 82.5° | 4.5    | 4.5    | 4.5    | 0.0    | 2.2    | 4.5    | 4.5    | 2.2    | 4.5    | 4.5    | 2.2    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 |
| 2.5°  | 4624.7 | 4622.6 | 4624.7 | 4626.9 | 4624.7 | 4622.6 | 4624.7 | 4626.9 | 4618.0 | 4615.8 | 4620.2 |
| 5°    | 4723.0 | 4723.0 | 4727.4 | 4729.7 | 4727.4 | 4723.0 | 4723.0 | 4714.0 | 4707.3 | 4700.7 | 4698.4 |
| 7.5°  | 4807.9 | 4812.3 | 4816.7 | 4819.0 | 4816.7 | 4812.3 | 4807.9 | 4794.4 | 4781.0 | 4769.9 | 4760.9 |
| 10°   | 4859.2 | 4865.9 | 4874.8 | 4879.3 | 4874.8 | 4865.9 | 4859.2 | 4843.6 | 4825.7 | 4807.9 | 4794.4 |
| 12.5° | 4881.5 | 4888.2 | 4899.3 | 4897.2 | 4899.3 | 4888.2 | 4881.5 | 4859.2 | 4839.0 | 4814.5 | 4794.4 |
| 15°   | 4865.9 | 4874.8 | 4886.0 | 4890.5 | 4886.0 | 4874.8 | 4865.9 | 4843.6 | 4825.7 | 4798.9 | 4778.7 |
| 17.5° | 4816.7 | 4830.2 | 4836.9 | 4843.6 | 4836.9 | 4830.2 | 4816.7 | 4798.9 | 4774.3 | 4752.0 | 4731.9 |
| 20°   | 4749.7 | 4758.8 | 4767.6 | 4769.9 | 4767.6 | 4758.8 | 4749.7 | 4729.7 | 4691.7 | 4687.2 | 4671.5 |
| 22.5° | 4653.7 | 4660.4 | 4680.5 | 4673.8 | 4680.5 | 4660.4 | 4653.7 | 4635.8 | 4622.6 | 4597.9 | 4582.2 |
| 25°   | 4515.3 | 4522.0 | 4524.2 | 4526.5 | 4524.2 | 4522.0 | 4515.3 | 4499.6 | 4486.2 | 4468.4 | 4459.5 |
| 27.5° | 4276.4 | 4276.4 | 4280.8 | 4283.1 | 4280.8 | 4276.4 | 4276.4 | 4265.2 | 4256.2 | 4247.4 | 4238.4 |
| 30°   | 3914.5 | 3914.5 | 3914.5 | 3925.7 | 3914.5 | 3914.5 | 3914.5 | 3912.4 | 3912.4 | 3914.5 | 3914.5 |
| 32.5° | 3497.0 | 3492.5 | 3488.1 | 3492.5 | 3488.1 | 3492.5 | 3497.0 | 3499.2 | 3497.0 | 3503.7 | 3514.8 |
| 35°   | 3023.6 | 3021.3 | 3028.0 | 3019.2 | 3028.0 | 3021.3 | 3023.6 | 3023.6 | 3032.5 | 3041.5 | 3043.6 |
| 37.5° | 2570.2 | 2565.9 | 2574.7 | 2565.9 | 2574.7 | 2565.9 | 2570.2 | 2568.0 | 2565.9 | 2570.2 | 2563.6 |
| 40°   | 2139.3 | 2143.7 | 2143.7 | 2161.6 | 2143.7 | 2143.7 | 2139.3 | 2134.8 | 2119.3 | 2110.3 | 2101.3 |
| 42.5° | 1726.1 | 1739.6 | 1735.1 | 1748.5 | 1735.1 | 1739.6 | 1726.1 | 1717.3 | 1699.3 | 1683.7 | 1670.4 |
| 45°   | 1335.3 | 1344.3 | 1344.3 | 1348.8 | 1344.3 | 1344.3 | 1335.3 | 1326.5 | 1310.8 | 1297.3 | 1288.5 |
| 47.5° | 1024.9 | 1024.9 | 1024.9 | 1027.3 | 1024.9 | 1024.9 | 1024.9 | 1009.3 | 1004.9 | 996.0  | 984.8  |
| 50°   | 779.3  | 781.6  | 783.8  | 786.0  | 783.8  | 781.6  | 779.3  | 774.8  | 772.6  | 768.1  | 766.0  |
| 52.5° | 598.5  | 600.6  | 596.3  | 600.6  | 596.3  | 600.6  | 598.5  | 600.6  | 593.9  | 593.9  | 591.8  |
| 55°   | 453.3  | 451.1  | 453.3  | 455.6  | 453.3  | 451.1  | 453.3  | 453.3  | 451.1  | 451.1  | 451.1  |
| 57.5° | 332.7  | 328.2  | 328.2  | 328.2  | 328.2  | 328.2  | 332.7  | 330.6  | 337.2  | 332.7  | 335.0  |
| 60°   | 247.9  | 250.1  | 250.1  | 252.3  | 250.1  | 250.1  | 247.9  | 252.3  | 252.3  | 254.6  | 254.6  |
| 62.5° | 183.1  | 189.8  | 185.3  | 189.8  | 185.3  | 189.8  | 183.1  | 185.3  | 185.3  | 187.5  | 189.8  |
| 65°   | 118.4  | 118.4  | 118.4  | 120.6  | 118.4  | 118.4  | 118.4  | 120.6  | 122.7  | 120.6  | 127.3  |
| 67.5° | 80.4   | 82.6   | 87.1   | 84.9   | 87.1   | 82.6   | 80.4   | 82.6   | 82.6   | 89.3   | 87.1   |
| 70°   | 64.8   | 58.1   | 58.1   | 64.8   | 58.1   | 58.1   | 64.8   | 60.3   | 58.1   | 62.6   | 60.3   |
| 72.5° | 38.0   | 33.4   | 38.0   | 38.0   | 38.0   | 33.4   | 38.0   | 33.4   | 35.8   | 35.8   | 40.1   |
| 75°   | 20.2   | 17.8   | 15.6   | 22.3   | 15.6   | 17.8   | 20.2   | 20.2   | 20.2   | 20.2   | 22.3   |
| 77.5° | 13.5   | 11.1   | 15.6   | 15.6   | 15.6   | 11.1   | 13.5   | 11.1   | 13.5   | 11.1   | 13.5   |
| 80°   | 6.7    | 9.0    | 6.7    | 11.1   | 6.7    | 9.0    | 6.7    | 11.1   | 6.7    | 9.0    | 9.0    |
| 82.5° | 2.2    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 2.2    | 2.2    | 4.5    | 4.5    | 2.2    |
| 85°   | 0.0    | 4.5    | 2.2    | 2.2    | 2.2    | 4.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 2.2    | 0.0    | 0.0    | 2.2    | 0.0    | 0.0    | 2.2    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 |
| 2.5°  | 4620.2 | 4613.5 | 4615.8 | 4602.4 | 4602.4 | 4597.9 | 4600.1 | 4588.9 | 4584.6 | 4580.1 | 4586.8 |
| 5°    | 4687.2 | 4676.1 | 4667.1 | 4647.0 | 4635.8 | 4622.6 | 4615.8 | 4597.9 | 4582.2 | 4568.9 | 4566.6 |
| 7.5°  | 4740.8 | 4716.3 | 4700.7 | 4673.8 | 4653.7 | 4638.1 | 4615.8 | 4591.2 | 4571.1 | 4553.2 | 4539.8 |
| 10°   | 4763.1 | 4738.6 | 4714.0 | 4680.5 | 4658.2 | 4629.2 | 4606.7 | 4575.6 | 4548.8 | 4524.2 | 4508.5 |
| 12.5° | 4765.4 | 4734.1 | 4711.8 | 4673.8 | 4644.8 | 4613.5 | 4588.9 | 4553.2 | 4522.0 | 4497.5 | 4472.9 |
| 15°   | 4745.3 | 4716.3 | 4689.4 | 4649.2 | 4620.2 | 4591.2 | 4562.2 | 4524.2 | 4495.2 | 4466.2 | 4448.4 |
| 17.5° | 4700.7 | 4673.8 | 4642.5 | 4604.6 | 4577.8 | 4551.0 | 4519.8 | 4488.5 | 4455.0 | 4423.7 | 4401.4 |
| 20°   | 4642.5 | 4613.5 | 4586.8 | 4548.8 | 4526.5 | 4497.5 | 4468.4 | 4434.9 | 4408.1 | 4376.8 | 4352.3 |
| 22.5° | 4555.5 | 4528.6 | 4504.1 | 4481.8 | 4446.0 | 4423.7 | 4403.6 | 4365.7 | 4338.8 | 4309.8 | 4283.1 |
| 25°   | 4430.4 | 4403.6 | 4383.6 | 4356.7 | 4341.1 | 4316.5 | 4296.3 | 4262.9 | 4238.4 | 4211.6 | 4189.2 |
| 27.5° | 4224.9 | 4209.4 | 4198.1 | 4182.6 | 4169.2 | 4158.0 | 4146.8 | 4120.0 | 4102.2 | 4077.6 | 4055.3 |
| 30°   | 3916.8 | 3914.5 | 3907.9 | 3901.2 | 3910.0 | 3910.0 | 3910.0 | 3905.7 | 3890.0 | 3872.2 | 3856.5 |
| 32.5° | 3521.5 | 3526.1 | 3535.0 | 3541.7 | 3559.5 | 3579.7 | 3597.5 | 3606.4 | 3606.4 | 3595.3 | 3588.5 |
| 35°   | 3050.4 | 3057.1 | 3070.5 | 3088.4 | 3110.7 | 3135.2 | 3175.3 | 3184.4 | 3191.0 | 3191.0 | 3182.1 |
| 37.5° | 2561.3 | 2559.1 | 2572.5 | 2588.2 | 2601.6 | 2619.4 | 2648.5 | 2655.2 | 2666.3 | 2661.8 | 2652.8 |
| 40°   | 2085.6 | 2074.5 | 2070.0 | 2074.5 | 2090.1 | 2083.5 | 2090.1 | 2085.6 | 2085.6 | 2070.0 | 2070.0 |
| 42.5° | 1645.7 | 1632.4 | 1623.4 | 1616.8 | 1616.8 | 1601.1 | 1589.9 | 1578.8 | 1572.1 | 1560.9 | 1558.8 |
| 45°   | 1268.4 | 1252.7 | 1241.6 | 1237.1 | 1230.5 | 1210.3 | 1196.9 | 1183.6 | 1167.9 | 1163.5 | 1165.6 |
| 47.5° | 984.8  | 969.1  | 964.6  | 953.5  | 942.3  | 931.2  | 922.2  | 906.7  | 904.3  | 895.5  | 904.3  |
| 50°   | 759.3  | 754.8  | 748.0  | 743.6  | 736.8  | 728.0  | 719.0  | 710.2  | 705.7  | 705.7  | 707.8  |
| 52.5° | 589.5  | 591.8  | 585.0  | 578.3  | 574.0  | 574.0  | 562.7  | 560.5  | 560.5  | 551.5  | 560.5  |
| 55°   | 451.1  | 448.8  | 451.1  | 446.6  | 446.6  | 439.9  | 439.9  | 433.2  | 433.2  | 426.5  | 431.0  |
| 57.5° | 330.6  | 335.0  | 330.6  | 332.7  | 337.2  | 330.6  | 328.2  | 321.5  | 326.0  | 321.5  | 323.9  |
| 60°   | 256.8  | 256.8  | 256.8  | 254.6  | 254.6  | 252.3  | 252.3  | 250.1  | 250.1  | 245.6  | 250.1  |
| 62.5° | 189.8  | 192.0  | 192.0  | 192.0  | 194.3  | 192.0  | 189.8  | 192.0  | 189.8  | 189.8  | 192.0  |
| 65°   | 125.1  | 127.3  | 127.3  | 125.1  | 129.5  | 125.1  | 127.3  | 129.5  | 131.7  | 129.5  | 131.7  |
| 67.5° | 84.9   | 84.9   | 87.1   | 89.3   | 87.1   | 89.3   | 91.6   | 89.3   | 91.6   | 96.1   | 91.6   |
| 70°   | 62.6   | 64.8   | 64.8   | 62.6   | 60.3   | 62.6   | 60.3   | 67.0   | 67.0   | 67.0   | 71.4   |
| 72.5° | 40.1   | 40.1   | 38.0   | 38.0   | 38.0   | 38.0   | 38.0   | 44.6   | 40.1   | 38.0   | 42.5   |
| 75°   | 22.3   | 24.5   | 24.5   | 17.8   | 20.2   | 24.5   | 17.8   | 20.2   | 26.8   | 22.3   | 26.8   |
| 77.5° | 13.5   | 13.5   | 13.5   | 13.5   | 13.5   | 13.5   | 17.8   | 15.6   | 15.6   | 15.6   | 17.8   |
| 80°   | 11.1   | 9.0    | 9.0    | 6.7    | 9.0    | 9.0    | 9.0    | 13.5   | 11.1   | 11.1   | 13.5   |
| 82.5° | 4.5    | 4.5    | 2.2    | 0.0    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 9.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.2    | 2.2    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.5    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 |
| 2.5°  | 4568.9 | 4568.9 | 4566.6 | 4562.2 | 4553.2 | 4553.2 | 4551.0 | 4544.3 | 4539.8 | 4537.6 | 4537.6 |
| 5°    | 4546.4 | 4537.6 | 4528.6 | 4504.1 | 4504.1 | 4499.6 | 4486.2 | 4477.3 | 4472.9 | 4461.7 | 4457.2 |
| 7.5°  | 4526.5 | 4499.6 | 4484.0 | 4468.4 | 4448.4 | 4439.3 | 4423.7 | 4417.0 | 4401.4 | 4390.3 | 4383.6 |
| 10°   | 4477.3 | 4459.5 | 4439.3 | 4414.7 | 4399.1 | 4381.3 | 4363.4 | 4350.0 | 4330.0 | 4318.8 | 4309.8 |
| 12.5° | 4443.9 | 4417.0 | 4399.1 | 4372.3 | 4345.6 | 4330.0 | 4305.4 | 4289.7 | 4269.7 | 4247.4 | 4233.9 |
| 15°   | 4412.6 | 4383.6 | 4359.0 | 4330.0 | 4300.9 | 4283.1 | 4254.0 | 4236.1 | 4207.1 | 4184.8 | 4169.2 |
| 17.5° | 4365.7 | 4341.1 | 4314.3 | 4278.5 | 4251.8 | 4229.4 | 4198.1 | 4175.8 | 4149.0 | 4120.0 | 4104.4 |
| 20°   | 4316.5 | 4287.5 | 4260.7 | 4224.9 | 4198.1 | 4171.4 | 4140.2 | 4115.6 | 4084.3 | 4057.5 | 4039.6 |
| 22.5° | 4251.8 | 4218.2 | 4195.9 | 4160.1 | 4128.9 | 4099.9 | 4070.9 | 4041.9 | 4012.8 | 3990.5 | 3970.4 |
| 25°   | 4158.0 | 4122.3 | 4097.7 | 4068.7 | 4039.6 | 4017.3 | 3981.6 | 3963.7 | 3934.7 | 3914.5 | 3894.5 |
| 27.5° | 4023.9 | 3997.3 | 3974.8 | 3945.8 | 3921.3 | 3903.4 | 3876.6 | 3858.8 | 3834.2 | 3816.3 | 3800.6 |
| 30°   | 3827.5 | 3805.2 | 3785.1 | 3756.0 | 3738.2 | 3722.6 | 3698.0 | 3682.3 | 3664.4 | 3644.4 | 3639.9 |
| 32.5° | 3564.0 | 3546.1 | 3526.1 | 3505.9 | 3492.5 | 3483.6 | 3463.4 | 3454.6 | 3436.8 | 3425.4 | 3414.3 |
| 35°   | 3166.5 | 3150.9 | 3139.7 | 3130.8 | 3126.4 | 3128.5 | 3124.1 | 3133.0 | 3137.5 | 3135.2 | 3137.5 |
| 37.5° | 2646.2 | 2637.3 | 2641.7 | 2648.5 | 2670.8 | 2699.8 | 2726.6 | 2766.7 | 2793.5 | 2820.4 | 2845.0 |
| 40°   | 2065.6 | 2072.3 | 2090.1 | 2130.3 | 2188.4 | 2253.2 | 2313.5 | 2389.4 | 2465.3 | 2518.9 | 2568.0 |
| 42.5° | 1558.8 | 1578.8 | 1623.4 | 1681.5 | 1768.6 | 1864.6 | 1958.4 | 2070.0 | 2161.6 | 2250.9 | 2313.5 |
| 45°   | 1172.3 | 1199.1 | 1257.2 | 1337.7 | 1433.6 | 1545.3 | 1663.7 | 1788.7 | 1898.2 | 1989.7 | 2058.9 |
| 47.5° | 913.4  | 937.9  | 996.0  | 1080.9 | 1199.1 | 1315.3 | 1438.1 | 1567.6 | 1681.5 | 1770.8 | 1831.2 |
| 50°   | 721.3  | 752.5  | 803.9  | 893.2  | 1011.6 | 1134.5 | 1261.7 | 1388.9 | 1496.2 | 1572.1 | 1625.7 |
| 52.5° | 567.2  | 596.3  | 645.4  | 739.2  | 859.8  | 982.6  | 1100.8 | 1225.9 | 1319.8 | 1393.4 | 1429.2 |
| 55°   | 439.9  | 466.8  | 518.0  | 596.3  | 710.2  | 830.8  | 949.0  | 1056.3 | 1143.3 | 1196.9 | 1230.5 |
| 57.5° | 335.0  | 355.0  | 390.8  | 468.9  | 571.7  | 683.2  | 783.8  | 891.0  | 958.0  | 996.0  | 1018.2 |
| 60°   | 254.6  | 270.3  | 308.2  | 368.5  | 462.2  | 558.3  | 643.1  | 723.6  | 777.2  | 808.4  | 830.8  |
| 62.5° | 192.0  | 210.0  | 236.6  | 288.1  | 359.5  | 437.8  | 509.2  | 569.5  | 614.1  | 634.3  | 649.8  |
| 65°   | 131.7  | 145.2  | 165.2  | 205.5  | 265.7  | 321.5  | 377.4  | 422.1  | 451.1  | 473.5  | 482.4  |
| 67.5° | 98.3   | 107.2  | 118.4  | 149.7  | 192.0  | 236.6  | 274.6  | 305.9  | 337.2  | 346.2  | 361.7  |
| 70°   | 73.8   | 80.4   | 91.6   | 113.9  | 138.4  | 169.7  | 201.0  | 218.8  | 241.2  | 256.8  | 261.3  |
| 72.5° | 46.9   | 49.1   | 60.3   | 73.8   | 93.7   | 113.9  | 134.0  | 149.7  | 163.1  | 172.0  | 176.3  |
| 75°   | 26.8   | 40.1   | 40.1   | 53.6   | 67.0   | 75.9   | 89.3   | 100.4  | 107.2  | 113.9  | 113.9  |
| 77.5° | 17.8   | 24.5   | 26.8   | 33.4   | 40.1   | 51.3   | 62.6   | 69.2   | 75.9   | 78.1   | 78.1   |
| 80°   | 15.6   | 17.8   | 17.8   | 24.5   | 29.0   | 38.0   | 44.6   | 46.9   | 51.3   | 53.6   | 58.1   |
| 82.5° | 6.7    | 9.0    | 11.1   | 17.8   | 20.2   | 20.2   | 26.8   | 29.0   | 33.4   | 35.8   | 35.8   |
| 85°   | 2.2    | 4.5    | 4.5    | 6.7    | 11.1   | 13.5   | 15.6   | 17.8   | 20.2   | 20.2   | 22.3   |
| 87.5° | 2.2    | 2.2    | 0.0    | 2.2    | 4.5    | 4.5    | 9.0    | 9.0    | 9.0    | 13.5   | 13.5   |
| 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: P249076

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 | 4573.3 |
| 2.5°  | 4533.2 | 4535.3 | 4526.5 | 4524.2 | 4519.8 | 4522.0 | 4526.5 |
| 5°    | 4450.5 | 4452.7 | 4443.9 | 4434.9 | 4434.9 | 4432.7 | 4434.9 |
| 7.5°  | 4372.3 | 4374.6 | 4361.1 | 4356.7 | 4347.8 | 4350.0 | 4350.0 |
| 10°   | 4294.2 | 4294.2 | 4274.1 | 4271.8 | 4265.2 | 4262.9 | 4262.9 |
| 12.5° | 4218.2 | 4211.6 | 4195.9 | 4187.0 | 4191.5 | 4178.1 | 4178.1 |
| 15°   | 4151.3 | 4140.2 | 4120.0 | 4113.3 | 4102.2 | 4097.7 | 4097.7 |
| 17.5° | 4082.0 | 4073.2 | 4055.3 | 4041.9 | 4028.4 | 4026.3 | 4028.4 |
| 20°   | 4015.1 | 4006.1 | 3983.8 | 3974.8 | 3963.7 | 3963.7 | 3959.3 |
| 22.5° | 3948.0 | 3939.1 | 3919.1 | 3912.4 | 3896.7 | 3896.7 | 3899.0 |
| 25°   | 3878.8 | 3872.2 | 3849.7 | 3845.4 | 3843.1 | 3834.2 | 3838.6 |
| 27.5° | 3785.1 | 3780.6 | 3762.7 | 3756.0 | 3747.1 | 3744.9 | 3749.3 |
| 30°   | 3613.1 | 3606.4 | 3593.0 | 3586.3 | 3570.7 | 3573.0 | 3577.3 |
| 32.5° | 3398.8 | 3389.8 | 3371.9 | 3365.2 | 3351.9 | 3347.4 | 3349.5 |
| 35°   | 3130.8 | 3124.1 | 3108.5 | 3108.5 | 3095.1 | 3090.6 | 3095.1 |
| 37.5° | 2858.3 | 2865.1 | 2858.3 | 2865.1 | 2858.3 | 2856.1 | 2858.3 |
| 40°   | 2601.6 | 2626.1 | 2630.5 | 2655.2 | 2646.2 | 2659.6 | 2657.3 |
| 42.5° | 2355.9 | 2396.0 | 2411.7 | 2431.8 | 2427.4 | 2436.3 | 2443.0 |
| 45°   | 2107.9 | 2141.6 | 2157.1 | 2170.6 | 2172.8 | 2177.3 | 2179.4 |
| 47.5° | 1873.5 | 1900.3 | 1902.6 | 1918.1 | 1916.0 | 1916.0 | 1922.6 |
| 50°   | 1654.7 | 1672.5 | 1677.0 | 1688.2 | 1679.3 | 1674.8 | 1677.0 |
| 52.5° | 1451.5 | 1469.4 | 1464.8 | 1469.4 | 1458.2 | 1453.7 | 1456.0 |
| 55°   | 1243.7 | 1252.7 | 1252.7 | 1252.7 | 1239.4 | 1239.4 | 1239.4 |
| 57.5° | 1031.7 | 1033.9 | 1029.4 | 1031.7 | 1029.4 | 1016.1 | 1013.8 |
| 60°   | 837.4  | 837.4  | 835.1  | 837.4  | 830.8  | 824.0  | 824.0  |
| 62.5° | 654.2  | 658.8  | 667.7  | 658.8  | 654.2  | 658.8  | 652.1  |
| 65°   | 489.1  | 497.9  | 495.7  | 500.2  | 497.9  | 497.9  | 493.5  |
| 67.5° | 368.5  | 370.7  | 372.8  | 375.2  | 375.2  | 375.2  | 375.2  |
| 70°   | 270.3  | 276.9  | 274.6  | 274.6  | 274.6  | 274.6  | 288.1  |
| 72.5° | 180.9  | 189.8  | 187.5  | 192.0  | 192.0  | 196.5  | 192.0  |
| 75°   | 122.7  | 131.7  | 127.3  | 134.0  | 131.7  | 127.3  | 138.4  |
| 77.5° | 82.6   | 87.1   | 89.3   | 91.6   | 89.3   | 87.1   | 89.3   |
| 80°   | 58.1   | 62.6   | 60.3   | 62.6   | 62.6   | 62.6   | 64.8   |
| 82.5° | 35.8   | 42.5   | 40.1   | 42.5   | 40.1   | 42.5   | 42.5   |
| 85°   | 24.5   | 26.8   | 22.3   | 26.8   | 24.5   | 24.5   | 29.0   |
| 87.5° | 15.6   | 13.5   | 13.5   | 15.6   | 13.5   | 15.6   | 13.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)