

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: P248824

Luminaire Tested: **LSR8B90D010 EC8B90935 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248824  
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: LSR8B90D010 EC8B90935 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
90 CRI 3500 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7441.0 lumens  
Efficiency: N/A  
Efficacy: 86.4 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

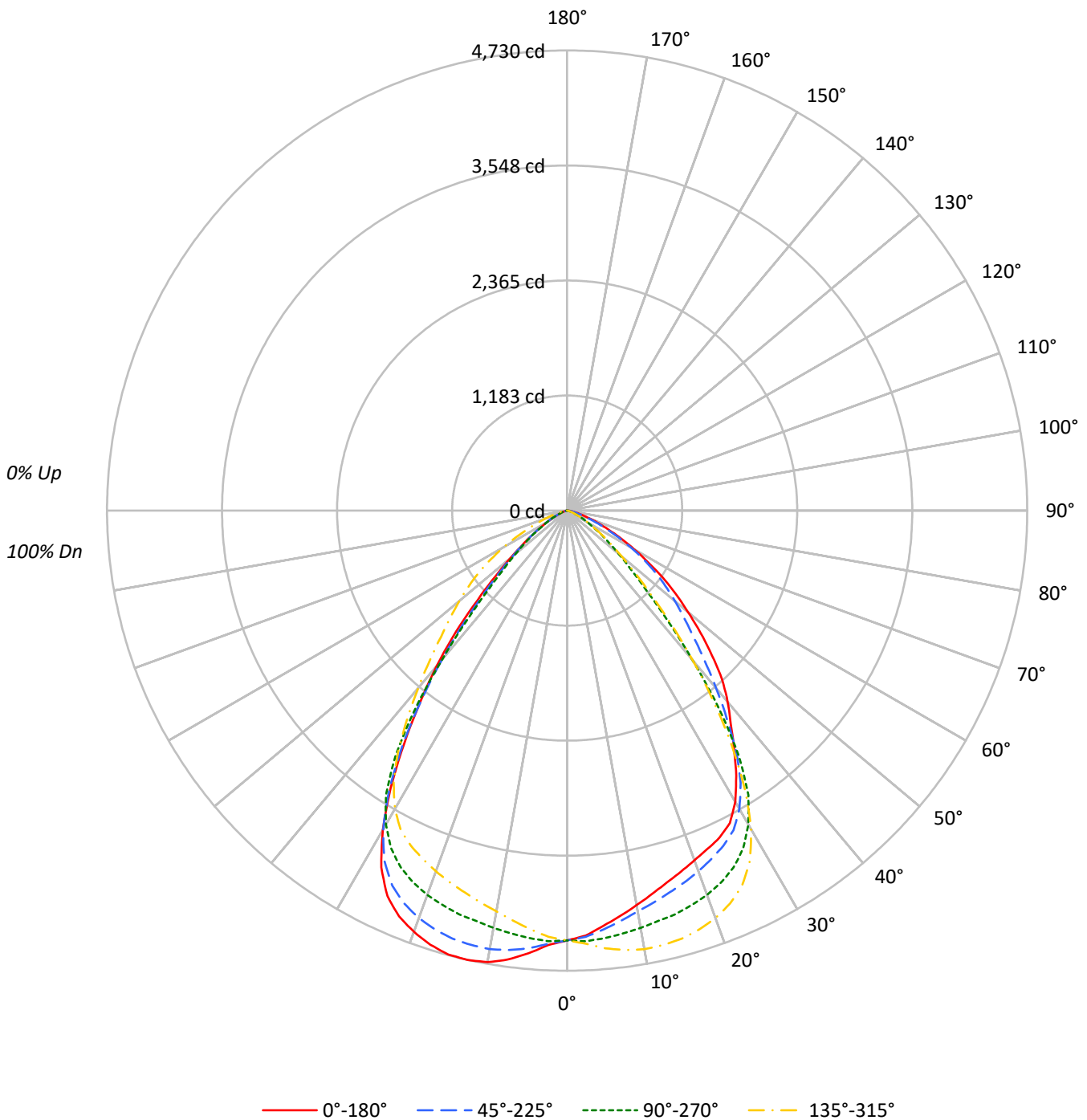
Input Watts (W): 86.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

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

|     | 0°     | 90°    | 180°   | 270°   |
|-----|--------|--------|--------|--------|
| 0°  | 136219 | 136219 | 136219 | 136219 |
| 5°  | 132601 | 136539 | 141414 | 136539 |
| 10° | 128933 | 136361 | 147574 | 136361 |
| 15° | 126356 | 137168 | 150803 | 137168 |
| 20° | 125496 | 137956 | 151190 | 137956 |
| 25° | 126155 | 137679 | 148760 | 137679 |
| 30° | 123035 | 132639 | 135021 | 132639 |
| 35° | 112541 | 115707 | 109782 | 115707 |
| 40° | 103324 | 80488  | 84050  | 80488  |
| 45° | 91806  | 49100  | 56814  | 49100  |
| 50° | 77706  | 32799  | 36426  | 32799  |
| 55° | 64358  | 22381  | 23655  | 22381  |
| 60° | 49085  | 14900  | 15030  | 14900  |
| 65° | 34782  | 9281   | 8500   | 9281   |
| 70° | 25082  | 6221   | 5644   | 6221   |
| 75° | 15929  | 3086   | 2573   | 3086   |
| 80° | 11116  | 2309   | 1900   | 2309   |
| 85° | 9942   | 0      | 743    | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 420.5  | 5.7       |
| 10°-20°   | 1217.6 | 16.4      |
| 20°-30°   | 1843.7 | 24.8      |
| 30°-40°   | 1847.8 | 24.8      |
| 40°-50°   | 1160.3 | 15.6      |
| 50°-60°   | 618.3  | 8.3       |
| 60°-70°   | 254.3  | 3.4       |
| 70°-80°   | 67.2   | 0.9       |
| 80°-90°   | 11.4   | 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°    | 3481.7 | 46.8      |
| 0°-40°    | 5329.5 | 71.6      |
| 0°-60°    | 7108.2 | 95.5      |
| 0°-90°    | 7441.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7441.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 4418 | 4418 | 4418 | 4418 | 4418 |      |
| 5°  | 4284 | 4411 | 4568 | 4411 | 4284 | 404  |
| 15° | 3958 | 4297 | 4724 | 4297 | 3958 | 1119 |
| 25° | 3708 | 4046 | 4372 | 4046 | 3708 | 1701 |
| 35° | 2990 | 3074 | 2916 | 3074 | 2990 | 1873 |
| 45° | 2105 | 1126 | 1303 | 1126 | 2105 | 1619 |
| 55° | 1197 | 416  | 440  | 416  | 1197 | 1067 |
| 65° | 477  | 127  | 116  | 127  | 477  | 494  |
| 75° | 134  | 26   | 22   | 26   | 134  | 151  |
| 85° | 28   | 0    | 2    | 0    | 28   | 31   |
| 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°    | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 |
| 2.5°  | 4372.2 | 4367.9 | 4365.7 | 4370.1 | 4372.2 | 4380.8 | 4378.7 | 4382.9 | 4382.9 | 4385.2 | 4389.4 |
| 5°    | 4283.8 | 4281.6 | 4283.8 | 4283.8 | 4292.4 | 4301.0 | 4298.9 | 4305.4 | 4309.6 | 4320.4 | 4324.7 |
| 7.5°  | 4201.8 | 4201.8 | 4199.6 | 4208.2 | 4212.6 | 4225.5 | 4223.3 | 4234.1 | 4240.6 | 4251.4 | 4266.5 |
| 10°   | 4117.7 | 4117.7 | 4119.8 | 4126.3 | 4128.5 | 4147.9 | 4147.9 | 4162.9 | 4171.6 | 4182.4 | 4201.8 |
| 12.5° | 4035.7 | 4035.7 | 4048.7 | 4044.3 | 4052.9 | 4068.0 | 4074.5 | 4089.6 | 4102.6 | 4124.1 | 4143.6 |
| 15°   | 3958.0 | 3958.0 | 3962.4 | 3973.1 | 3979.6 | 3999.1 | 4009.8 | 4027.1 | 4042.2 | 4063.8 | 4091.8 |
| 17.5° | 3891.2 | 3889.0 | 3891.2 | 3904.1 | 3917.1 | 3934.3 | 3942.9 | 3964.5 | 3979.6 | 4007.7 | 4033.6 |
| 20°   | 3824.3 | 3828.7 | 3828.7 | 3839.4 | 3848.0 | 3869.6 | 3878.2 | 3902.0 | 3919.2 | 3945.1 | 3975.3 |
| 22.5° | 3766.1 | 3764.0 | 3764.0 | 3779.0 | 3785.5 | 3804.9 | 3813.5 | 3835.1 | 3854.5 | 3876.1 | 3904.1 |
| 25°   | 3707.8 | 3703.5 | 3712.2 | 3714.3 | 3718.6 | 3740.2 | 3746.6 | 3761.7 | 3781.2 | 3800.6 | 3828.7 |
| 27.5° | 3621.5 | 3617.3 | 3619.4 | 3628.0 | 3634.5 | 3651.7 | 3656.1 | 3671.2 | 3686.3 | 3703.5 | 3727.3 |
| 30°   | 3455.4 | 3451.2 | 3449.0 | 3464.1 | 3470.6 | 3483.5 | 3490.0 | 3515.9 | 3520.2 | 3539.6 | 3556.8 |
| 32.5° | 3235.4 | 3233.3 | 3237.6 | 3250.5 | 3257.0 | 3274.3 | 3282.9 | 3298.0 | 3308.8 | 3319.6 | 3336.8 |
| 35°   | 2989.6 | 2985.2 | 2989.6 | 3002.6 | 3002.6 | 3017.6 | 3024.1 | 3030.5 | 3028.4 | 3030.5 | 3026.3 |
| 37.5° | 2761.0 | 2758.8 | 2761.0 | 2767.4 | 2761.0 | 2767.4 | 2761.0 | 2748.0 | 2724.3 | 2698.4 | 2672.5 |
| 40°   | 2566.8 | 2568.9 | 2556.1 | 2564.7 | 2540.9 | 2536.6 | 2512.9 | 2480.5 | 2433.1 | 2381.3 | 2308.0 |
| 42.5° | 2359.8 | 2353.3 | 2344.7 | 2348.9 | 2329.6 | 2314.4 | 2275.6 | 2234.7 | 2174.2 | 2088.0 | 1999.5 |
| 45°   | 2105.2 | 2103.1 | 2098.7 | 2096.6 | 2083.6 | 2068.6 | 2036.1 | 1988.7 | 1921.9 | 1833.5 | 1727.7 |
| 47.5° | 1857.2 | 1850.7 | 1850.7 | 1852.8 | 1837.7 | 1835.6 | 1809.7 | 1768.7 | 1710.5 | 1624.2 | 1514.2 |
| 50°   | 1619.8 | 1617.7 | 1622.1 | 1630.7 | 1619.8 | 1615.6 | 1598.4 | 1570.3 | 1518.5 | 1445.2 | 1341.6 |
| 52.5° | 1406.3 | 1404.2 | 1408.5 | 1419.3 | 1414.9 | 1419.3 | 1402.1 | 1380.5 | 1346.0 | 1274.7 | 1184.2 |
| 55°   | 1197.1 | 1197.1 | 1197.1 | 1210.0 | 1210.0 | 1210.0 | 1201.4 | 1188.5 | 1156.1 | 1104.4 | 1020.3 |
| 57.5° | 979.3  | 981.4  | 994.4  | 996.5  | 994.4  | 998.7  | 996.5  | 983.5  | 962.1  | 925.4  | 860.7  |
| 60°   | 795.9  | 795.9  | 802.4  | 808.9  | 806.7  | 808.9  | 808.9  | 802.4  | 780.8  | 750.7  | 698.9  |
| 62.5° | 629.8  | 636.3  | 632.0  | 636.3  | 644.9  | 636.3  | 632.0  | 627.7  | 612.6  | 593.2  | 550.0  |
| 65°   | 476.7  | 481.0  | 481.0  | 483.2  | 478.8  | 481.0  | 472.4  | 465.9  | 457.3  | 435.7  | 407.7  |
| 67.5° | 362.4  | 362.4  | 362.4  | 362.4  | 360.2  | 358.1  | 355.9  | 349.4  | 334.4  | 325.7  | 295.5  |
| 70°   | 278.2  | 265.3  | 265.3  | 265.3  | 265.3  | 267.5  | 261.0  | 252.4  | 248.1  | 233.0  | 211.4  |
| 72.5° | 185.5  | 189.8  | 185.5  | 185.5  | 181.2  | 183.3  | 174.7  | 170.4  | 166.1  | 157.5  | 144.5  |
| 75°   | 133.7  | 123.0  | 127.2  | 129.4  | 123.0  | 127.2  | 118.6  | 110.0  | 110.0  | 103.5  | 97.0   |
| 77.5° | 86.3   | 84.2   | 86.3   | 88.4   | 86.3   | 84.2   | 79.8   | 75.5   | 75.5   | 73.3   | 66.9   |
| 80°   | 62.6   | 60.4   | 60.4   | 60.4   | 58.2   | 60.4   | 56.1   | 56.1   | 51.8   | 49.6   | 45.3   |
| 82.5° | 41.0   | 41.0   | 38.8   | 41.0   | 38.8   | 41.0   | 34.5   | 34.5   | 34.5   | 32.3   | 28.1   |
| 85°   | 28.1   | 23.7   | 23.7   | 25.9   | 21.6   | 25.9   | 23.7   | 21.6   | 19.4   | 19.4   | 17.2   |
| 87.5° | 13.0   | 15.1   | 13.0   | 15.1   | 13.0   | 13.0   | 15.1   | 13.0   | 13.0   | 8.6    | 8.6    |
| 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°    | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 |
| 2.5°  | 4395.9 | 4398.0 | 4398.0 | 4406.7 | 4411.0 | 4413.1 | 4413.1 | 4430.4 | 4424.0 | 4428.3 | 4432.6 |
| 5°    | 4333.4 | 4346.3 | 4350.6 | 4350.6 | 4374.3 | 4382.9 | 4391.6 | 4411.0 | 4413.1 | 4426.1 | 4441.2 |
| 7.5°  | 4272.9 | 4288.0 | 4296.7 | 4316.1 | 4331.2 | 4346.3 | 4372.2 | 4385.2 | 4398.0 | 4415.4 | 4434.7 |
| 10°   | 4214.7 | 4232.0 | 4249.2 | 4264.3 | 4288.0 | 4307.5 | 4324.7 | 4354.9 | 4370.1 | 4393.8 | 4419.6 |
| 12.5° | 4158.7 | 4182.4 | 4197.5 | 4223.3 | 4249.2 | 4266.5 | 4292.4 | 4320.4 | 4344.2 | 4367.9 | 4398.0 |
| 15°   | 4109.1 | 4137.1 | 4154.3 | 4182.4 | 4210.4 | 4234.1 | 4262.2 | 4296.7 | 4314.0 | 4342.0 | 4370.1 |
| 17.5° | 4055.1 | 4085.3 | 4106.9 | 4132.8 | 4167.3 | 4193.1 | 4216.9 | 4251.4 | 4272.9 | 4303.1 | 4335.5 |
| 20°   | 3999.1 | 4029.2 | 4055.1 | 4081.0 | 4115.5 | 4141.4 | 4169.4 | 4204.0 | 4227.7 | 4257.9 | 4283.8 |
| 22.5° | 3932.2 | 3960.3 | 3988.2 | 4018.4 | 4052.9 | 4074.5 | 4106.9 | 4137.1 | 4162.9 | 4191.0 | 4216.9 |
| 25°   | 3845.9 | 3880.4 | 3902.0 | 3930.0 | 3958.0 | 3981.7 | 4016.3 | 4046.5 | 4068.0 | 4094.0 | 4117.7 |
| 27.5° | 3744.5 | 3770.4 | 3787.7 | 3811.4 | 3839.4 | 3861.0 | 3886.8 | 3917.1 | 3938.7 | 3962.4 | 3979.6 |
| 30°   | 3571.9 | 3595.7 | 3610.8 | 3628.0 | 3656.1 | 3675.5 | 3697.1 | 3725.1 | 3740.2 | 3757.5 | 3772.6 |
| 32.5° | 3345.4 | 3364.9 | 3373.5 | 3386.4 | 3405.9 | 3425.2 | 3442.6 | 3466.3 | 3472.7 | 3483.5 | 3483.5 |
| 35°   | 3017.6 | 3021.9 | 3019.8 | 3024.1 | 3032.7 | 3043.5 | 3058.6 | 3073.7 | 3082.3 | 3082.3 | 3075.9 |
| 37.5° | 2633.7 | 2607.8 | 2579.8 | 2558.2 | 2551.7 | 2547.4 | 2556.1 | 2562.5 | 2571.2 | 2575.4 | 2564.7 |
| 40°   | 2234.7 | 2176.4 | 2113.8 | 2057.7 | 2018.9 | 2001.7 | 1995.2 | 1999.5 | 1999.5 | 2014.6 | 2014.6 |
| 42.5° | 1891.7 | 1801.1 | 1708.4 | 1624.2 | 1568.1 | 1525.0 | 1505.6 | 1505.6 | 1507.7 | 1518.5 | 1525.0 |
| 45°   | 1607.0 | 1492.6 | 1384.7 | 1292.1 | 1214.4 | 1158.3 | 1132.4 | 1125.9 | 1123.8 | 1128.1 | 1143.2 |
| 47.5° | 1389.1 | 1270.5 | 1158.3 | 1044.0 | 962.1  | 905.9  | 882.2  | 873.5  | 864.9  | 873.5  | 875.8  |
| 50°   | 1218.7 | 1095.8 | 977.1  | 862.8  | 776.5  | 726.9  | 696.7  | 683.7  | 681.6  | 681.6  | 685.9  |
| 52.5° | 1063.4 | 949.1  | 830.5  | 714.0  | 623.3  | 575.9  | 547.9  | 541.4  | 532.8  | 541.4  | 541.4  |
| 55°   | 916.7  | 802.4  | 685.9  | 575.9  | 500.4  | 450.8  | 424.9  | 416.3  | 412.0  | 418.4  | 418.4  |
| 57.5° | 757.1  | 660.0  | 552.2  | 453.0  | 377.5  | 343.0  | 323.5  | 312.8  | 310.6  | 314.9  | 310.6  |
| 60°   | 621.2  | 539.3  | 446.5  | 355.9  | 297.7  | 261.0  | 245.9  | 241.6  | 237.2  | 241.6  | 241.6  |
| 62.5° | 491.8  | 422.8  | 347.2  | 278.2  | 228.6  | 202.8  | 185.5  | 185.5  | 183.3  | 183.3  | 185.5  |
| 65°   | 364.5  | 310.6  | 256.7  | 198.4  | 159.6  | 140.2  | 127.2  | 127.2  | 125.1  | 127.2  | 125.1  |
| 67.5° | 265.3  | 228.6  | 185.5  | 144.5  | 114.4  | 103.5  | 94.9   | 88.4   | 92.8   | 88.4   | 86.3   |
| 70°   | 194.2  | 163.9  | 133.7  | 110.0  | 88.4   | 77.7   | 71.2   | 69.0   | 64.7   | 64.7   | 64.7   |
| 72.5° | 129.4  | 110.0  | 90.6   | 71.2   | 58.2   | 47.4   | 45.3   | 41.0   | 36.7   | 38.8   | 43.1   |
| 75°   | 86.3   | 73.3   | 64.7   | 51.8   | 38.8   | 38.8   | 25.9   | 25.9   | 21.6   | 25.9   | 19.4   |
| 77.5° | 60.4   | 49.6   | 38.8   | 32.3   | 25.9   | 23.7   | 17.2   | 17.2   | 15.1   | 15.1   | 15.1   |
| 80°   | 43.1   | 36.7   | 28.1   | 23.7   | 17.2   | 17.2   | 15.1   | 13.0   | 10.7   | 10.7   | 13.0   |
| 82.5° | 25.9   | 19.4   | 19.4   | 17.2   | 10.7   | 8.6    | 6.5    | 8.6    | 4.4    | 4.4    | 4.4    |
| 85°   | 15.1   | 13.0   | 10.7   | 6.5    | 4.4    | 4.4    | 2.1    | 0.0    | 2.1    | 2.1    | 0.0    |
| 87.5° | 8.6    | 4.4    | 4.4    | 2.1    | 0.0    | 2.1    | 2.1    | 0.0    | 0.0    | 0.0    | 4.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 |
| 2.5°  | 4443.4 | 4441.2 | 4445.5 | 4445.5 | 4458.5 | 4456.3 | 4462.8 | 4462.8 | 4458.5 | 4460.6 | 4469.2 |
| 5°    | 4458.5 | 4465.0 | 4477.9 | 4488.7 | 4508.0 | 4516.7 | 4527.5 | 4538.3 | 4540.5 | 4546.9 | 4553.4 |
| 7.5°  | 4458.5 | 4480.1 | 4495.2 | 4514.5 | 4540.5 | 4555.5 | 4579.2 | 4598.7 | 4607.3 | 4618.0 | 4631.0 |
| 10°   | 4449.8 | 4471.4 | 4499.4 | 4521.0 | 4553.4 | 4577.1 | 4600.8 | 4631.0 | 4644.0 | 4661.2 | 4678.5 |
| 12.5° | 4432.6 | 4456.3 | 4486.5 | 4514.5 | 4551.2 | 4572.8 | 4603.0 | 4631.0 | 4650.5 | 4674.2 | 4693.6 |
| 15°   | 4406.7 | 4434.7 | 4462.8 | 4490.8 | 4529.6 | 4555.5 | 4583.6 | 4615.9 | 4635.4 | 4661.2 | 4678.5 |
| 17.5° | 4365.7 | 4395.9 | 4421.8 | 4447.7 | 4484.3 | 4514.5 | 4540.5 | 4570.6 | 4590.1 | 4611.7 | 4635.4 |
| 20°   | 4316.1 | 4344.2 | 4372.2 | 4393.8 | 4430.4 | 4456.3 | 4484.3 | 4512.4 | 4527.5 | 4531.8 | 4568.5 |
| 22.5° | 4253.6 | 4272.9 | 4294.5 | 4329.1 | 4350.6 | 4374.3 | 4400.3 | 4426.1 | 4441.2 | 4465.0 | 4477.9 |
| 25°   | 4150.0 | 4169.4 | 4193.1 | 4208.2 | 4234.1 | 4253.6 | 4279.4 | 4307.5 | 4316.1 | 4333.4 | 4346.3 |
| 27.5° | 4005.5 | 4016.3 | 4027.1 | 4040.0 | 4055.1 | 4065.9 | 4081.0 | 4094.0 | 4102.6 | 4111.2 | 4119.8 |
| 30°   | 3776.8 | 3776.8 | 3776.8 | 3768.2 | 3774.7 | 3781.2 | 3783.3 | 3781.2 | 3781.2 | 3779.0 | 3779.0 |
| 32.5° | 3474.9 | 3457.7 | 3438.2 | 3421.0 | 3414.5 | 3405.9 | 3401.5 | 3395.1 | 3384.3 | 3377.8 | 3380.0 |
| 35°   | 3067.2 | 3028.4 | 3004.7 | 2983.1 | 2965.9 | 2952.9 | 2946.4 | 2940.0 | 2937.8 | 2929.2 | 2920.5 |
| 37.5° | 2558.2 | 2530.1 | 2512.9 | 2500.0 | 2484.9 | 2471.9 | 2474.0 | 2476.2 | 2482.6 | 2478.4 | 2480.5 |
| 40°   | 2018.9 | 2012.4 | 2018.9 | 2003.8 | 1999.5 | 2003.8 | 2014.6 | 2029.8 | 2038.4 | 2047.0 | 2062.1 |
| 42.5° | 1535.8 | 1546.5 | 1561.7 | 1561.7 | 1568.1 | 1576.8 | 1589.7 | 1613.5 | 1626.3 | 1641.4 | 1658.7 |
| 45°   | 1156.1 | 1169.1 | 1188.5 | 1194.9 | 1199.3 | 1210.0 | 1225.2 | 1244.6 | 1253.2 | 1266.1 | 1281.2 |
| 47.5° | 890.8  | 899.5  | 910.2  | 921.0  | 931.8  | 936.1  | 951.2  | 951.2  | 962.1  | 970.7  | 974.9  |
| 50°   | 694.5  | 703.2  | 711.8  | 718.3  | 722.6  | 729.1  | 733.3  | 739.8  | 742.0  | 746.3  | 748.4  |
| 52.5° | 543.5  | 554.4  | 554.4  | 558.6  | 565.1  | 571.6  | 569.5  | 571.6  | 573.7  | 573.7  | 580.2  |
| 55°   | 424.9  | 424.9  | 431.4  | 431.4  | 435.7  | 433.5  | 435.7  | 435.7  | 435.7  | 435.7  | 437.9  |
| 57.5° | 317.0  | 319.3  | 325.7  | 321.4  | 319.3  | 323.5  | 319.3  | 323.5  | 321.4  | 325.7  | 319.3  |
| 60°   | 243.7  | 243.7  | 245.9  | 245.9  | 248.1  | 248.1  | 248.1  | 245.9  | 245.9  | 243.7  | 243.7  |
| 62.5° | 183.3  | 185.5  | 187.7  | 185.5  | 185.5  | 185.5  | 183.3  | 183.3  | 181.2  | 179.0  | 179.0  |
| 65°   | 123.0  | 120.8  | 125.1  | 120.8  | 123.0  | 123.0  | 120.8  | 123.0  | 116.5  | 118.6  | 116.5  |
| 67.5° | 88.4   | 86.3   | 84.2   | 86.3   | 84.2   | 81.9   | 81.9   | 84.2   | 86.3   | 79.8   | 79.8   |
| 70°   | 58.2   | 60.4   | 58.2   | 60.4   | 62.6   | 62.6   | 60.4   | 58.2   | 60.4   | 56.1   | 58.2   |
| 72.5° | 36.7   | 36.7   | 36.7   | 36.7   | 36.7   | 38.8   | 38.8   | 38.8   | 34.5   | 34.5   | 32.3   |
| 75°   | 17.2   | 23.7   | 19.4   | 17.2   | 23.7   | 23.7   | 21.6   | 21.6   | 19.4   | 19.4   | 19.4   |
| 77.5° | 17.2   | 13.0   | 13.0   | 13.0   | 13.0   | 13.0   | 13.0   | 13.0   | 10.7   | 13.0   | 10.7   |
| 80°   | 8.6    | 8.6    | 8.6    | 6.5    | 8.6    | 8.6    | 10.7   | 8.6    | 8.6    | 6.5    | 10.7   |
| 82.5° | 4.4    | 4.4    | 4.4    | 0.0    | 2.1    | 4.4    | 4.4    | 2.1    | 4.4    | 4.4    | 2.1    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





TEST NUMBER: P248824

CATALOG NUMBER: LSR8B90D010 EC8B90935 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 |
| 2.5°  | 4467.1 | 4465.0 | 4467.1 | 4469.2 | 4467.1 | 4465.0 | 4467.1 | 4469.2 | 4460.6 | 4458.5 | 4462.8 |
| 5°    | 4562.0 | 4562.0 | 4566.3 | 4568.5 | 4566.3 | 4562.0 | 4562.0 | 4553.4 | 4546.9 | 4540.5 | 4538.3 |
| 7.5°  | 4644.0 | 4648.3 | 4652.6 | 4654.7 | 4652.6 | 4648.3 | 4644.0 | 4631.0 | 4618.0 | 4607.3 | 4598.7 |
| 10°   | 4693.6 | 4700.1 | 4708.7 | 4713.0 | 4708.7 | 4700.1 | 4693.6 | 4678.5 | 4661.2 | 4644.0 | 4631.0 |
| 12.5° | 4715.2 | 4721.7 | 4732.4 | 4730.3 | 4732.4 | 4721.7 | 4715.2 | 4693.6 | 4674.2 | 4650.5 | 4631.0 |
| 15°   | 4700.1 | 4708.7 | 4719.4 | 4723.8 | 4719.4 | 4708.7 | 4700.1 | 4678.5 | 4661.2 | 4635.4 | 4615.9 |
| 17.5° | 4652.6 | 4665.5 | 4672.0 | 4678.5 | 4672.0 | 4665.5 | 4652.6 | 4635.4 | 4611.7 | 4590.1 | 4570.6 |
| 20°   | 4587.9 | 4596.6 | 4605.2 | 4607.3 | 4605.2 | 4596.6 | 4587.9 | 4568.5 | 4531.8 | 4527.5 | 4512.4 |
| 22.5° | 4495.2 | 4501.7 | 4521.0 | 4514.5 | 4521.0 | 4501.7 | 4495.2 | 4477.9 | 4465.0 | 4441.2 | 4426.1 |
| 25°   | 4361.4 | 4367.9 | 4370.1 | 4372.2 | 4370.1 | 4367.9 | 4361.4 | 4346.3 | 4333.4 | 4316.1 | 4307.5 |
| 27.5° | 4130.6 | 4130.6 | 4134.9 | 4137.1 | 4134.9 | 4130.6 | 4130.6 | 4119.8 | 4111.2 | 4102.6 | 4094.0 |
| 30°   | 3781.2 | 3781.2 | 3781.2 | 3792.0 | 3781.2 | 3781.2 | 3781.2 | 3779.0 | 3779.0 | 3781.2 | 3781.2 |
| 32.5° | 3377.8 | 3373.5 | 3369.2 | 3373.5 | 3369.2 | 3373.5 | 3377.8 | 3380.0 | 3377.8 | 3384.3 | 3395.1 |
| 35°   | 2920.5 | 2918.4 | 2924.9 | 2916.3 | 2924.9 | 2918.4 | 2920.5 | 2920.5 | 2929.2 | 2937.8 | 2940.0 |
| 37.5° | 2482.6 | 2478.4 | 2487.0 | 2478.4 | 2487.0 | 2478.4 | 2482.6 | 2480.5 | 2478.4 | 2482.6 | 2476.2 |
| 40°   | 2066.4 | 2070.7 | 2070.7 | 2088.0 | 2070.7 | 2070.7 | 2066.4 | 2062.1 | 2047.0 | 2038.4 | 2029.8 |
| 42.5° | 1667.3 | 1680.3 | 1676.0 | 1688.9 | 1676.0 | 1680.3 | 1667.3 | 1658.7 | 1641.4 | 1626.3 | 1613.5 |
| 45°   | 1289.8 | 1298.5 | 1298.5 | 1302.8 | 1298.5 | 1298.5 | 1289.8 | 1281.2 | 1266.1 | 1253.2 | 1244.6 |
| 47.5° | 990.0  | 990.0  | 990.0  | 992.2  | 990.0  | 990.0  | 990.0  | 974.9  | 970.7  | 962.1  | 951.2  |
| 50°   | 752.8  | 754.9  | 757.1  | 759.3  | 757.1  | 754.9  | 752.8  | 748.4  | 746.3  | 742.0  | 739.8  |
| 52.5° | 578.1  | 580.2  | 575.9  | 580.2  | 575.9  | 580.2  | 578.1  | 580.2  | 573.7  | 573.7  | 571.6  |
| 55°   | 437.9  | 435.7  | 437.9  | 440.0  | 437.9  | 435.7  | 437.9  | 437.9  | 435.7  | 435.7  | 435.7  |
| 57.5° | 321.4  | 317.0  | 317.0  | 317.0  | 317.0  | 317.0  | 321.4  | 319.3  | 325.7  | 321.4  | 323.5  |
| 60°   | 239.4  | 241.6  | 241.6  | 243.7  | 241.6  | 241.6  | 239.4  | 243.7  | 243.7  | 245.9  | 245.9  |
| 62.5° | 176.9  | 183.3  | 179.0  | 183.3  | 179.0  | 183.3  | 176.9  | 179.0  | 179.0  | 181.2  | 183.3  |
| 65°   | 114.4  | 114.4  | 114.4  | 116.5  | 114.4  | 114.4  | 114.4  | 116.5  | 118.6  | 116.5  | 123.0  |
| 67.5° | 77.7   | 79.8   | 84.2   | 81.9   | 84.2   | 79.8   | 77.7   | 79.8   | 79.8   | 86.3   | 84.2   |
| 70°   | 62.6   | 56.1   | 56.1   | 62.6   | 56.1   | 56.1   | 62.6   | 58.2   | 56.1   | 60.4   | 58.2   |
| 72.5° | 36.7   | 32.3   | 36.7   | 36.7   | 36.7   | 32.3   | 36.7   | 32.3   | 34.5   | 34.5   | 38.8   |
| 75°   | 19.4   | 17.2   | 15.1   | 21.6   | 15.1   | 17.2   | 19.4   | 19.4   | 19.4   | 19.4   | 21.6   |
| 77.5° | 13.0   | 10.7   | 15.1   | 15.1   | 15.1   | 10.7   | 13.0   | 10.7   | 13.0   | 10.7   | 13.0   |
| 80°   | 6.5    | 8.6    | 6.5    | 10.7   | 6.5    | 8.6    | 6.5    | 10.7   | 6.5    | 8.6    | 8.6    |
| 82.5° | 2.1    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 2.1    | 2.1    | 4.4    | 4.4    | 2.1    |
| 85°   | 0.0    | 4.4    | 2.1    | 2.1    | 2.1    | 4.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 2.1    | 0.0    | 0.0    | 2.1    | 0.0    | 0.0    | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P248824

CATALOG NUMBER: LSR8B90D010 EC8B90935 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 |
| 2.5°  | 4462.8 | 4456.3 | 4458.5 | 4445.5 | 4445.5 | 4441.2 | 4443.4 | 4432.6 | 4428.3 | 4424.0 | 4430.4 |
| 5°    | 4527.5 | 4516.7 | 4508.0 | 4488.7 | 4477.9 | 4465.0 | 4458.5 | 4441.2 | 4426.1 | 4413.1 | 4411.0 |
| 7.5°  | 4579.2 | 4555.5 | 4540.5 | 4514.5 | 4495.2 | 4480.1 | 4458.5 | 4434.7 | 4415.4 | 4398.0 | 4385.2 |
| 10°   | 4600.8 | 4577.1 | 4553.4 | 4521.0 | 4499.4 | 4471.4 | 4449.8 | 4419.6 | 4393.8 | 4370.1 | 4354.9 |
| 12.5° | 4603.0 | 4572.8 | 4551.2 | 4514.5 | 4486.5 | 4456.3 | 4432.6 | 4398.0 | 4367.9 | 4344.2 | 4320.4 |
| 15°   | 4583.6 | 4555.5 | 4529.6 | 4490.8 | 4462.8 | 4434.7 | 4406.7 | 4370.1 | 4342.0 | 4314.0 | 4296.7 |
| 17.5° | 4540.5 | 4514.5 | 4484.3 | 4447.7 | 4421.8 | 4395.9 | 4365.7 | 4335.5 | 4303.1 | 4272.9 | 4251.4 |
| 20°   | 4484.3 | 4456.3 | 4430.4 | 4393.8 | 4372.2 | 4344.2 | 4316.1 | 4283.8 | 4257.9 | 4227.7 | 4204.0 |
| 22.5° | 4400.3 | 4374.3 | 4350.6 | 4329.1 | 4294.5 | 4272.9 | 4253.6 | 4216.9 | 4191.0 | 4162.9 | 4137.1 |
| 25°   | 4279.4 | 4253.6 | 4234.1 | 4208.2 | 4193.1 | 4169.4 | 4150.0 | 4117.7 | 4094.0 | 4068.0 | 4046.5 |
| 27.5° | 4081.0 | 4065.9 | 4055.1 | 4040.0 | 4027.1 | 4016.3 | 4005.5 | 3979.6 | 3962.4 | 3938.7 | 3917.1 |
| 30°   | 3783.3 | 3781.2 | 3774.7 | 3768.2 | 3776.8 | 3776.8 | 3776.8 | 3772.6 | 3757.5 | 3740.2 | 3725.1 |
| 32.5° | 3401.5 | 3405.9 | 3414.5 | 3421.0 | 3438.2 | 3457.7 | 3474.9 | 3483.5 | 3483.5 | 3472.7 | 3466.3 |
| 35°   | 2946.4 | 2952.9 | 2965.9 | 2983.1 | 3004.7 | 3028.4 | 3067.2 | 3075.9 | 3082.3 | 3082.3 | 3073.7 |
| 37.5° | 2474.0 | 2471.9 | 2484.9 | 2500.0 | 2512.9 | 2530.1 | 2558.2 | 2564.7 | 2575.4 | 2571.2 | 2562.5 |
| 40°   | 2014.6 | 2003.8 | 1999.5 | 2003.8 | 2018.9 | 2012.4 | 2018.9 | 2014.6 | 2014.6 | 1999.5 | 1999.5 |
| 42.5° | 1589.7 | 1576.8 | 1568.1 | 1561.7 | 1561.7 | 1546.5 | 1535.8 | 1525.0 | 1518.5 | 1507.7 | 1505.6 |
| 45°   | 1225.2 | 1210.0 | 1199.3 | 1194.9 | 1188.5 | 1169.1 | 1156.1 | 1143.2 | 1128.1 | 1123.8 | 1125.9 |
| 47.5° | 951.2  | 936.1  | 931.8  | 921.0  | 910.2  | 899.5  | 890.8  | 875.8  | 873.5  | 864.9  | 873.5  |
| 50°   | 733.3  | 729.1  | 722.6  | 718.3  | 711.8  | 703.2  | 694.5  | 685.9  | 681.6  | 681.6  | 683.7  |
| 52.5° | 569.5  | 571.6  | 565.1  | 558.6  | 554.4  | 554.4  | 543.5  | 541.4  | 541.4  | 532.8  | 541.4  |
| 55°   | 435.7  | 433.5  | 435.7  | 431.4  | 431.4  | 424.9  | 424.9  | 418.4  | 418.4  | 412.0  | 416.3  |
| 57.5° | 319.3  | 323.5  | 319.3  | 321.4  | 325.7  | 319.3  | 317.0  | 310.6  | 314.9  | 310.6  | 312.8  |
| 60°   | 248.1  | 248.1  | 248.1  | 245.9  | 245.9  | 243.7  | 243.7  | 241.6  | 241.6  | 237.2  | 241.6  |
| 62.5° | 183.3  | 185.5  | 185.5  | 185.5  | 187.7  | 185.5  | 183.3  | 185.5  | 183.3  | 183.3  | 185.5  |
| 65°   | 120.8  | 123.0  | 123.0  | 120.8  | 125.1  | 120.8  | 123.0  | 125.1  | 127.2  | 125.1  | 127.2  |
| 67.5° | 81.9   | 81.9   | 84.2   | 86.3   | 84.2   | 86.3   | 88.4   | 86.3   | 88.4   | 92.8   | 88.4   |
| 70°   | 60.4   | 62.6   | 62.6   | 60.4   | 58.2   | 60.4   | 58.2   | 64.7   | 64.7   | 64.7   | 69.0   |
| 72.5° | 38.8   | 38.8   | 36.7   | 36.7   | 36.7   | 36.7   | 36.7   | 43.1   | 38.8   | 36.7   | 41.0   |
| 75°   | 21.6   | 23.7   | 23.7   | 17.2   | 19.4   | 23.7   | 17.2   | 19.4   | 25.9   | 21.6   | 25.9   |
| 77.5° | 13.0   | 13.0   | 13.0   | 13.0   | 13.0   | 13.0   | 17.2   | 15.1   | 15.1   | 15.1   | 17.2   |
| 80°   | 10.7   | 8.6    | 8.6    | 6.5    | 8.6    | 8.6    | 8.6    | 13.0   | 10.7   | 10.7   | 13.0   |
| 82.5° | 4.4    | 4.4    | 2.1    | 0.0    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 8.6    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.1    | 2.1    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.4    | 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: P248824

CATALOG NUMBER: LSR8B90D010 EC8B90935 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 |
| 2.5°  | 4413.1 | 4413.1 | 4411.0 | 4406.7 | 4398.0 | 4398.0 | 4395.9 | 4389.4 | 4385.2 | 4382.9 | 4382.9 |
| 5°    | 4391.6 | 4382.9 | 4374.3 | 4350.6 | 4350.6 | 4346.3 | 4333.4 | 4324.7 | 4320.4 | 4309.6 | 4305.4 |
| 7.5°  | 4372.2 | 4346.3 | 4331.2 | 4316.1 | 4296.7 | 4288.0 | 4272.9 | 4266.5 | 4251.4 | 4240.6 | 4234.1 |
| 10°   | 4324.7 | 4307.5 | 4288.0 | 4264.3 | 4249.2 | 4232.0 | 4214.7 | 4201.8 | 4182.4 | 4171.6 | 4162.9 |
| 12.5° | 4292.4 | 4266.5 | 4249.2 | 4223.3 | 4197.5 | 4182.4 | 4158.7 | 4143.6 | 4124.1 | 4102.6 | 4089.6 |
| 15°   | 4262.2 | 4234.1 | 4210.4 | 4182.4 | 4154.3 | 4137.1 | 4109.1 | 4091.8 | 4063.8 | 4042.2 | 4027.1 |
| 17.5° | 4216.9 | 4193.1 | 4167.3 | 4132.8 | 4106.9 | 4085.3 | 4055.1 | 4033.6 | 4007.7 | 3979.6 | 3964.5 |
| 20°   | 4169.4 | 4141.4 | 4115.5 | 4081.0 | 4055.1 | 4029.2 | 3999.1 | 3975.3 | 3945.1 | 3919.2 | 3902.0 |
| 22.5° | 4106.9 | 4074.5 | 4052.9 | 4018.4 | 3988.2 | 3960.3 | 3932.2 | 3904.1 | 3876.1 | 3854.5 | 3835.1 |
| 25°   | 4016.3 | 3981.7 | 3958.0 | 3930.0 | 3902.0 | 3880.4 | 3845.9 | 3828.7 | 3800.6 | 3781.2 | 3761.7 |
| 27.5° | 3886.8 | 3861.0 | 3839.4 | 3811.4 | 3787.7 | 3770.4 | 3744.5 | 3727.3 | 3703.5 | 3686.3 | 3671.2 |
| 30°   | 3697.1 | 3675.5 | 3656.1 | 3628.0 | 3610.8 | 3595.7 | 3571.9 | 3556.8 | 3539.6 | 3520.2 | 3515.9 |
| 32.5° | 3442.6 | 3425.2 | 3405.9 | 3386.4 | 3373.5 | 3364.9 | 3345.4 | 3336.8 | 3319.6 | 3308.8 | 3298.0 |
| 35°   | 3058.6 | 3043.5 | 3032.7 | 3024.1 | 3019.8 | 3021.9 | 3017.6 | 3026.3 | 3030.5 | 3028.4 | 3030.5 |
| 37.5° | 2556.1 | 2547.4 | 2551.7 | 2558.2 | 2579.8 | 2607.8 | 2633.7 | 2672.5 | 2698.4 | 2724.3 | 2748.0 |
| 40°   | 1995.2 | 2001.7 | 2018.9 | 2057.7 | 2113.8 | 2176.4 | 2234.7 | 2308.0 | 2381.3 | 2433.1 | 2480.5 |
| 42.5° | 1505.6 | 1525.0 | 1568.1 | 1624.2 | 1708.4 | 1801.1 | 1891.7 | 1999.5 | 2088.0 | 2174.2 | 2234.7 |
| 45°   | 1132.4 | 1158.3 | 1214.4 | 1292.1 | 1384.7 | 1492.6 | 1607.0 | 1727.7 | 1833.5 | 1921.9 | 1988.7 |
| 47.5° | 882.2  | 905.9  | 962.1  | 1044.0 | 1158.3 | 1270.5 | 1389.1 | 1514.2 | 1624.2 | 1710.5 | 1768.7 |
| 50°   | 696.7  | 726.9  | 776.5  | 862.8  | 977.1  | 1095.8 | 1218.7 | 1341.6 | 1445.2 | 1518.5 | 1570.3 |
| 52.5° | 547.9  | 575.9  | 623.3  | 714.0  | 830.5  | 949.1  | 1063.4 | 1184.2 | 1274.7 | 1346.0 | 1380.5 |
| 55°   | 424.9  | 450.8  | 500.4  | 575.9  | 685.9  | 802.4  | 916.7  | 1020.3 | 1104.4 | 1156.1 | 1188.5 |
| 57.5° | 323.5  | 343.0  | 377.5  | 453.0  | 552.2  | 660.0  | 757.1  | 860.7  | 925.4  | 962.1  | 983.5  |
| 60°   | 245.9  | 261.0  | 297.7  | 355.9  | 446.5  | 539.3  | 621.2  | 698.9  | 750.7  | 780.8  | 802.4  |
| 62.5° | 185.5  | 202.8  | 228.6  | 278.2  | 347.2  | 422.8  | 491.8  | 550.0  | 593.2  | 612.6  | 627.7  |
| 65°   | 127.2  | 140.2  | 159.6  | 198.4  | 256.7  | 310.6  | 364.5  | 407.7  | 435.7  | 457.3  | 465.9  |
| 67.5° | 94.9   | 103.5  | 114.4  | 144.5  | 185.5  | 228.6  | 265.3  | 295.5  | 325.7  | 334.4  | 349.4  |
| 70°   | 71.2   | 77.7   | 88.4   | 110.0  | 133.7  | 163.9  | 194.2  | 211.4  | 233.0  | 248.1  | 252.4  |
| 72.5° | 45.3   | 47.4   | 58.2   | 71.2   | 90.6   | 110.0  | 129.4  | 144.5  | 157.5  | 166.1  | 170.4  |
| 75°   | 25.9   | 38.8   | 38.8   | 51.8   | 64.7   | 73.3   | 86.3   | 97.0   | 103.5  | 110.0  | 110.0  |
| 77.5° | 17.2   | 23.7   | 25.9   | 32.3   | 38.8   | 49.6   | 60.4   | 66.9   | 73.3   | 75.5   | 75.5   |
| 80°   | 15.1   | 17.2   | 17.2   | 23.7   | 28.1   | 36.7   | 43.1   | 45.3   | 49.6   | 51.8   | 56.1   |
| 82.5° | 6.5    | 8.6    | 10.7   | 17.2   | 19.4   | 19.4   | 25.9   | 28.1   | 32.3   | 34.5   | 34.5   |
| 85°   | 2.1    | 4.4    | 4.4    | 6.5    | 10.7   | 13.0   | 15.1   | 17.2   | 19.4   | 19.4   | 21.6   |
| 87.5° | 2.1    | 2.1    | 0.0    | 2.1    | 4.4    | 4.4    | 8.6    | 8.6    | 8.6    | 13.0   | 13.0   |
| 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: P248824

CATALOG NUMBER: LSR8B90D010 EC8B90935 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 | 4417.5 |
| 2.5°  | 4378.7 | 4380.8 | 4372.2 | 4370.1 | 4365.7 | 4367.9 | 4372.2 |
| 5°    | 4298.9 | 4301.0 | 4292.4 | 4283.8 | 4283.8 | 4281.6 | 4283.8 |
| 7.5°  | 4223.3 | 4225.5 | 4212.6 | 4208.2 | 4199.6 | 4201.8 | 4201.8 |
| 10°   | 4147.9 | 4147.9 | 4128.5 | 4126.3 | 4119.8 | 4117.7 | 4117.7 |
| 12.5° | 4074.5 | 4068.0 | 4052.9 | 4044.3 | 4048.7 | 4035.7 | 4035.7 |
| 15°   | 4009.8 | 3999.1 | 3979.6 | 3973.1 | 3962.4 | 3958.0 | 3958.0 |
| 17.5° | 3942.9 | 3934.3 | 3917.1 | 3904.1 | 3891.2 | 3889.0 | 3891.2 |
| 20°   | 3878.2 | 3869.6 | 3848.0 | 3839.4 | 3828.7 | 3828.7 | 3824.3 |
| 22.5° | 3813.5 | 3804.9 | 3785.5 | 3779.0 | 3764.0 | 3764.0 | 3766.1 |
| 25°   | 3746.6 | 3740.2 | 3718.6 | 3714.3 | 3712.2 | 3703.5 | 3707.8 |
| 27.5° | 3656.1 | 3651.7 | 3634.5 | 3628.0 | 3619.4 | 3617.3 | 3621.5 |
| 30°   | 3490.0 | 3483.5 | 3470.6 | 3464.1 | 3449.0 | 3451.2 | 3455.4 |
| 32.5° | 3282.9 | 3274.3 | 3257.0 | 3250.5 | 3237.6 | 3233.3 | 3235.4 |
| 35°   | 3024.1 | 3017.6 | 3002.6 | 3002.6 | 2989.6 | 2985.2 | 2989.6 |
| 37.5° | 2761.0 | 2767.4 | 2761.0 | 2767.4 | 2761.0 | 2758.8 | 2761.0 |
| 40°   | 2512.9 | 2536.6 | 2540.9 | 2564.7 | 2556.1 | 2568.9 | 2566.8 |
| 42.5° | 2275.6 | 2314.4 | 2329.6 | 2348.9 | 2344.7 | 2353.3 | 2359.8 |
| 45°   | 2036.1 | 2068.6 | 2083.6 | 2096.6 | 2098.7 | 2103.1 | 2105.2 |
| 47.5° | 1809.7 | 1835.6 | 1837.7 | 1852.8 | 1850.7 | 1850.7 | 1857.2 |
| 50°   | 1598.4 | 1615.6 | 1619.8 | 1630.7 | 1622.1 | 1617.7 | 1619.8 |
| 52.5° | 1402.1 | 1419.3 | 1414.9 | 1419.3 | 1408.5 | 1404.2 | 1406.3 |
| 55°   | 1201.4 | 1210.0 | 1210.0 | 1210.0 | 1197.1 | 1197.1 | 1197.1 |
| 57.5° | 996.5  | 998.7  | 994.4  | 996.5  | 994.4  | 981.4  | 979.3  |
| 60°   | 808.9  | 808.9  | 806.7  | 808.9  | 802.4  | 795.9  | 795.9  |
| 62.5° | 632.0  | 636.3  | 644.9  | 636.3  | 632.0  | 636.3  | 629.8  |
| 65°   | 472.4  | 481.0  | 478.8  | 483.2  | 481.0  | 481.0  | 476.7  |
| 67.5° | 355.9  | 358.1  | 360.2  | 362.4  | 362.4  | 362.4  | 362.4  |
| 70°   | 261.0  | 267.5  | 265.3  | 265.3  | 265.3  | 265.3  | 278.2  |
| 72.5° | 174.7  | 183.3  | 181.2  | 185.5  | 185.5  | 189.8  | 185.5  |
| 75°   | 118.6  | 127.2  | 123.0  | 129.4  | 127.2  | 123.0  | 133.7  |
| 77.5° | 79.8   | 84.2   | 86.3   | 88.4   | 86.3   | 84.2   | 86.3   |
| 80°   | 56.1   | 60.4   | 58.2   | 60.4   | 60.4   | 60.4   | 62.6   |
| 82.5° | 34.5   | 41.0   | 38.8   | 41.0   | 38.8   | 41.0   | 41.0   |
| 85°   | 23.7   | 25.9   | 21.6   | 25.9   | 23.7   | 23.7   | 28.1   |
| 87.5° | 15.1   | 13.0   | 13.0   | 15.1   | 13.0   | 15.1   | 13.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)