

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: P249004

Luminaire Tested: **LSR8B90D010 EC8B90840 8LBSW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249004  
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 EC8B90840 8LBSW0MW  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9268.0 lumens  
Efficiency: N/A  
Efficacy: 107.6 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

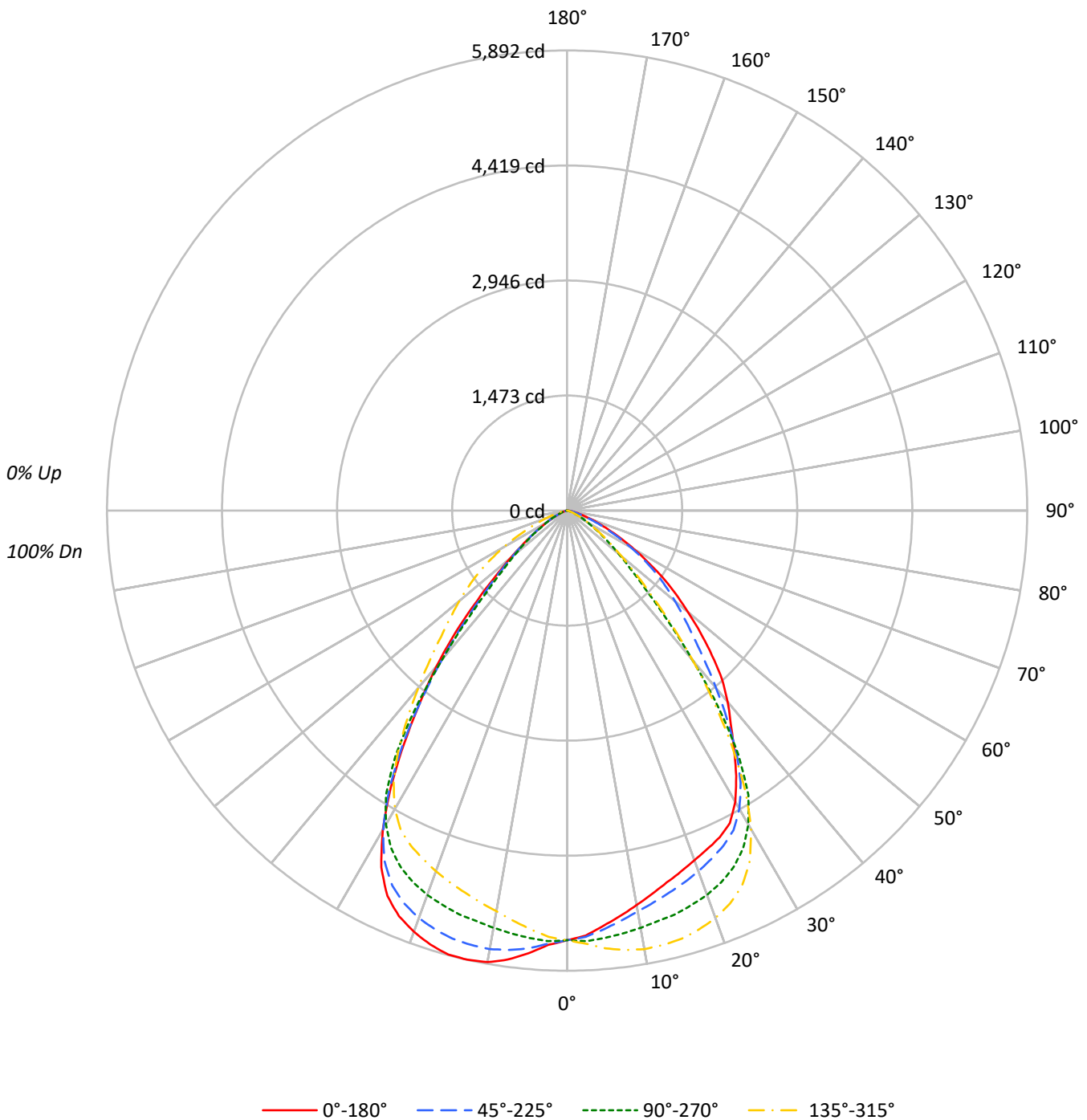
Input Watts (W): 86.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°  | 169664 | 169664 | 169664 | 169664 |
| 5°  | 165159 | 170062 | 176135 | 170062 |
| 10° | 160590 | 169843 | 183805 | 169843 |
| 15° | 157383 | 170848 | 187829 | 170848 |
| 20° | 156309 | 171828 | 188311 | 171828 |
| 25° | 157130 | 171482 | 185285 | 171482 |
| 30° | 153248 | 165204 | 168174 | 165204 |
| 35° | 140172 | 144113 | 136735 | 144113 |
| 40° | 128692 | 100248 | 104688 | 100248 |
| 45° | 114348 | 61157  | 70765  | 61157  |
| 50° | 96790  | 40854  | 45368  | 40854  |
| 55° | 80164  | 27875  | 29461  | 27875  |
| 60° | 61142  | 18557  | 18718  | 18557  |
| 65° | 43319  | 11565  | 10587  | 11565  |
| 70° | 31249  | 7745   | 7032   | 7745   |
| 75° | 19837  | 3848   | 3205   | 3848   |
| 80° | 13851  | 2859   | 2380   | 2859   |
| 85° | 12348  | 0      | 955    | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 523.7  | 5.7       |
| 10°-20°   | 1516.5 | 16.4      |
| 20°-30°   | 2296.4 | 24.8      |
| 30°-40°   | 2301.5 | 24.8      |
| 40°-50°   | 1445.2 | 15.6      |
| 50°-60°   | 770.2  | 8.3       |
| 60°-70°   | 316.7  | 3.4       |
| 70°-80°   | 83.7   | 0.9       |
| 80°-90°   | 14.1   | 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°    | 4336.6 | 46.8      |
| 0°-40°    | 6638.1 | 71.6      |
| 0°-60°    | 8853.5 | 95.5      |
| 0°-90°    | 9268.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9268.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 5502 | 5502 | 5502 | 5502 | 5502 |      |
| 5°  | 5336 | 5494 | 5690 | 5494 | 5336 | 503  |
| 15° | 4930 | 5352 | 5884 | 5352 | 4930 | 1394 |
| 25° | 4618 | 5040 | 5446 | 5040 | 4618 | 2118 |
| 35° | 3724 | 3828 | 3632 | 3828 | 3724 | 2333 |
| 45° | 2622 | 1402 | 1623 | 1402 | 2622 | 2017 |
| 55° | 1491 | 518  | 548  | 518  | 1491 | 1329 |
| 65° | 594  | 158  | 145  | 158  | 594  | 616  |
| 75° | 166  | 32   | 27   | 32   | 166  | 189  |
| 85° | 35   | 0    | 3    | 0    | 35   | 38   |
| 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°    | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 |
| 2.5°  | 5445.7 | 5440.3 | 5437.6 | 5443.1 | 5445.7 | 5456.4 | 5453.8 | 5459.1 | 5459.1 | 5461.9 | 5467.2 |
| 5°    | 5335.6 | 5332.8 | 5335.6 | 5335.6 | 5346.3 | 5357.0 | 5354.4 | 5362.5 | 5367.8 | 5381.3 | 5386.6 |
| 7.5°  | 5233.5 | 5233.5 | 5230.7 | 5241.5 | 5246.9 | 5263.0 | 5260.3 | 5273.8 | 5281.8 | 5295.2 | 5314.0 |
| 10°   | 5128.7 | 5128.7 | 5131.3 | 5139.4 | 5142.2 | 5166.3 | 5166.3 | 5185.1 | 5195.8 | 5209.3 | 5233.5 |
| 12.5° | 5026.6 | 5026.6 | 5042.8 | 5037.3 | 5048.1 | 5066.9 | 5074.9 | 5093.7 | 5109.9 | 5136.8 | 5161.0 |
| 15°   | 4929.9 | 4929.9 | 4935.3 | 4948.7 | 4956.7 | 4980.9 | 4994.3 | 5015.9 | 5034.7 | 5061.6 | 5096.5 |
| 17.5° | 4846.6 | 4843.9 | 4846.6 | 4862.7 | 4878.9 | 4900.3 | 4911.1 | 4937.9 | 4956.7 | 4991.7 | 5024.0 |
| 20°   | 4763.3 | 4768.7 | 4768.7 | 4782.1 | 4792.8 | 4819.7 | 4830.4 | 4860.1 | 4881.5 | 4913.7 | 4951.4 |
| 22.5° | 4690.8 | 4688.1 | 4688.1 | 4706.9 | 4715.0 | 4739.1 | 4749.8 | 4776.7 | 4800.9 | 4827.8 | 4862.7 |
| 25°   | 4618.2 | 4612.8 | 4623.7 | 4626.3 | 4631.6 | 4658.5 | 4666.6 | 4685.4 | 4709.6 | 4733.8 | 4768.7 |
| 27.5° | 4510.8 | 4505.4 | 4508.1 | 4518.8 | 4526.9 | 4548.3 | 4553.8 | 4572.6 | 4591.4 | 4612.8 | 4642.5 |
| 30°   | 4303.9 | 4298.5 | 4295.9 | 4314.7 | 4322.8 | 4338.8 | 4346.9 | 4379.2 | 4384.5 | 4408.7 | 4430.1 |
| 32.5° | 4029.8 | 4027.2 | 4032.6 | 4048.6 | 4056.7 | 4078.3 | 4089.0 | 4107.8 | 4121.2 | 4134.7 | 4156.1 |
| 35°   | 3723.6 | 3718.2 | 3723.6 | 3739.8 | 3739.8 | 3758.6 | 3766.6 | 3774.6 | 3772.0 | 3774.6 | 3769.3 |
| 37.5° | 3438.9 | 3436.1 | 3438.9 | 3446.8 | 3438.9 | 3446.8 | 3438.9 | 3422.7 | 3393.2 | 3360.9 | 3328.6 |
| 40°   | 3197.0 | 3199.7 | 3183.7 | 3194.4 | 3164.7 | 3159.4 | 3129.9 | 3089.6 | 3030.5 | 2966.0 | 2874.7 |
| 42.5° | 2939.2 | 2931.1 | 2920.4 | 2925.7 | 2901.6 | 2882.7 | 2834.3 | 2783.3 | 2708.0 | 2600.7 | 2490.4 |
| 45°   | 2622.1 | 2619.5 | 2614.0 | 2611.4 | 2595.2 | 2576.5 | 2536.1 | 2477.0 | 2393.8 | 2283.6 | 2151.9 |
| 47.5° | 2313.2 | 2305.1 | 2305.1 | 2307.7 | 2288.9 | 2286.3 | 2254.0 | 2203.0 | 2130.5 | 2023.0 | 1886.0 |
| 50°   | 2017.6 | 2014.9 | 2020.3 | 2031.1 | 2017.6 | 2012.3 | 1990.8 | 1955.9 | 1891.4 | 1800.1 | 1671.0 |
| 52.5° | 1751.6 | 1749.0 | 1754.4 | 1767.8 | 1762.3 | 1767.8 | 1746.3 | 1719.4 | 1676.4 | 1587.7 | 1474.9 |
| 55°   | 1491.1 | 1491.1 | 1491.1 | 1507.1 | 1507.1 | 1507.1 | 1496.4 | 1480.4 | 1440.0 | 1375.5 | 1270.8 |
| 57.5° | 1219.7 | 1222.4 | 1238.5 | 1241.2 | 1238.5 | 1243.9 | 1241.2 | 1225.0 | 1198.3 | 1152.6 | 1072.0 |
| 60°   | 991.4  | 991.4  | 999.4  | 1007.5 | 1004.7 | 1007.5 | 1007.5 | 999.4  | 972.6  | 935.0  | 870.5  |
| 62.5° | 784.5  | 792.5  | 787.1  | 792.5  | 803.3  | 792.5  | 787.1  | 781.8  | 763.0  | 738.8  | 685.1  |
| 65°   | 593.7  | 599.1  | 599.1  | 601.8  | 596.4  | 599.1  | 588.4  | 580.3  | 569.6  | 542.7  | 507.8  |
| 67.5° | 451.4  | 451.4  | 451.4  | 451.4  | 448.6  | 446.0  | 443.3  | 435.3  | 416.5  | 405.7  | 368.0  |
| 70°   | 346.6  | 330.4  | 330.4  | 330.4  | 330.4  | 333.2  | 325.1  | 314.4  | 309.0  | 290.2  | 263.3  |
| 72.5° | 231.0  | 236.4  | 231.0  | 231.0  | 225.7  | 228.4  | 217.6  | 212.2  | 206.9  | 196.2  | 180.0  |
| 75°   | 166.5  | 153.2  | 158.5  | 161.2  | 153.2  | 158.5  | 147.7  | 137.0  | 137.0  | 128.9  | 120.9  |
| 77.5° | 107.5  | 104.8  | 107.5  | 110.1  | 107.5  | 104.8  | 99.4   | 94.0   | 94.0   | 91.3   | 83.3   |
| 80°   | 78.0   | 75.2   | 75.2   | 75.2   | 72.5   | 75.2   | 69.9   | 69.9   | 64.5   | 61.8   | 56.4   |
| 82.5° | 51.1   | 51.1   | 48.3   | 51.1   | 48.3   | 51.1   | 43.0   | 43.0   | 43.0   | 40.3   | 34.9   |
| 85°   | 34.9   | 29.5   | 29.5   | 32.3   | 26.9   | 32.3   | 29.5   | 26.9   | 24.2   | 24.2   | 21.5   |
| 87.5° | 16.1   | 18.8   | 16.1   | 18.8   | 16.1   | 16.1   | 18.8   | 16.1   | 16.1   | 10.7   | 10.7   |
| 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°    | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 |
| 2.5°  | 5475.2 | 5477.9 | 5477.9 | 5488.7 | 5494.0 | 5496.7 | 5496.7 | 5518.3 | 5510.2 | 5515.6 | 5520.9 |
| 5°    | 5397.4 | 5413.4 | 5418.8 | 5418.8 | 5448.4 | 5459.1 | 5469.8 | 5494.0 | 5496.7 | 5512.8 | 5531.6 |
| 7.5°  | 5322.1 | 5340.9 | 5351.7 | 5375.8 | 5394.6 | 5413.4 | 5445.7 | 5461.9 | 5477.9 | 5499.5 | 5523.6 |
| 10°   | 5249.5 | 5271.1 | 5292.6 | 5311.4 | 5340.9 | 5365.1 | 5386.6 | 5424.2 | 5443.1 | 5472.6 | 5504.8 |
| 12.5° | 5179.8 | 5209.3 | 5228.1 | 5260.3 | 5292.6 | 5314.0 | 5346.3 | 5381.3 | 5410.8 | 5440.3 | 5477.9 |
| 15°   | 5118.0 | 5152.9 | 5174.4 | 5209.3 | 5244.2 | 5273.8 | 5308.7 | 5351.7 | 5373.2 | 5408.1 | 5443.1 |
| 17.5° | 5050.7 | 5088.4 | 5115.3 | 5147.5 | 5190.5 | 5222.7 | 5252.3 | 5295.2 | 5322.1 | 5359.7 | 5400.1 |
| 20°   | 4980.9 | 5018.5 | 5050.7 | 5083.0 | 5126.0 | 5158.2 | 5193.2 | 5236.2 | 5265.7 | 5303.3 | 5335.6 |
| 22.5° | 4897.7 | 4932.6 | 4967.5 | 5005.1 | 5048.1 | 5074.9 | 5115.3 | 5152.9 | 5185.1 | 5220.0 | 5252.3 |
| 25°   | 4790.2 | 4833.2 | 4860.1 | 4894.9 | 4929.9 | 4959.4 | 5002.4 | 5040.0 | 5066.9 | 5099.2 | 5128.7 |
| 27.5° | 4663.9 | 4696.2 | 4717.6 | 4747.2 | 4782.1 | 4809.0 | 4841.2 | 4878.9 | 4905.7 | 4935.3 | 4956.7 |
| 30°   | 4448.9 | 4478.6 | 4497.4 | 4518.8 | 4553.8 | 4578.0 | 4604.9 | 4639.7 | 4658.5 | 4680.1 | 4698.9 |
| 32.5° | 4166.8 | 4191.1 | 4201.8 | 4217.9 | 4242.1 | 4266.3 | 4287.8 | 4317.3 | 4325.4 | 4338.8 | 4338.8 |
| 35°   | 3758.6 | 3763.9 | 3761.2 | 3766.6 | 3777.4 | 3790.8 | 3809.5 | 3828.3 | 3839.1 | 3839.1 | 3831.1 |
| 37.5° | 3280.3 | 3248.1 | 3213.2 | 3186.3 | 3178.2 | 3172.8 | 3183.7 | 3191.6 | 3202.5 | 3207.8 | 3194.4 |
| 40°   | 2783.3 | 2710.8 | 2632.8 | 2563.0 | 2514.6 | 2493.2 | 2485.1 | 2490.4 | 2490.4 | 2509.2 | 2509.2 |
| 42.5° | 2356.2 | 2243.3 | 2127.8 | 2023.0 | 1953.1 | 1899.5 | 1875.2 | 1875.2 | 1877.9 | 1891.4 | 1899.5 |
| 45°   | 2001.5 | 1859.1 | 1724.7 | 1609.3 | 1512.5 | 1442.7 | 1410.5 | 1402.4 | 1399.7 | 1405.1 | 1423.9 |
| 47.5° | 1730.2 | 1582.4 | 1442.7 | 1300.3 | 1198.3 | 1128.4 | 1098.9 | 1088.0 | 1077.3 | 1088.0 | 1090.8 |
| 50°   | 1518.0 | 1364.8 | 1217.1 | 1074.6 | 967.2  | 905.3  | 867.7  | 851.6  | 848.9  | 848.9  | 854.4  |
| 52.5° | 1324.4 | 1182.1 | 1034.4 | 889.3  | 776.4  | 717.3  | 682.4  | 674.3  | 663.6  | 674.3  | 674.3  |
| 55°   | 1141.8 | 999.4  | 854.4  | 717.3  | 623.2  | 561.5  | 529.2  | 518.5  | 513.1  | 521.2  | 521.2  |
| 57.5° | 943.0  | 822.1  | 687.8  | 564.2  | 470.2  | 427.2  | 403.0  | 389.6  | 386.8  | 392.2  | 386.8  |
| 60°   | 773.7  | 671.7  | 556.1  | 443.3  | 370.8  | 325.1  | 306.3  | 300.9  | 295.5  | 300.9  | 300.9  |
| 62.5° | 612.5  | 526.6  | 432.5  | 346.6  | 284.7  | 252.6  | 231.0  | 231.0  | 228.4  | 228.4  | 231.0  |
| 65°   | 454.0  | 386.8  | 319.7  | 247.2  | 198.8  | 174.6  | 158.5  | 158.5  | 155.8  | 158.5  | 155.8  |
| 67.5° | 330.4  | 284.7  | 231.0  | 180.0  | 142.4  | 128.9  | 118.2  | 110.1  | 115.6  | 110.1  | 107.5  |
| 70°   | 241.8  | 204.1  | 166.5  | 137.0  | 110.1  | 96.8   | 88.7   | 85.9   | 80.6   | 80.6   | 80.6   |
| 72.5° | 161.2  | 137.0  | 112.8  | 88.7   | 72.5   | 59.1   | 56.4   | 51.1   | 45.7   | 48.3   | 53.7   |
| 75°   | 107.5  | 91.3   | 80.6   | 64.5   | 48.3   | 48.3   | 32.3   | 32.3   | 26.9   | 32.3   | 24.2   |
| 77.5° | 75.2   | 61.8   | 48.3   | 40.3   | 32.3   | 29.5   | 21.5   | 21.5   | 18.8   | 18.8   | 18.8   |
| 80°   | 53.7   | 45.7   | 34.9   | 29.5   | 21.5   | 21.5   | 18.8   | 16.1   | 13.4   | 13.4   | 16.1   |
| 82.5° | 32.3   | 24.2   | 24.2   | 21.5   | 13.4   | 10.7   | 8.1    | 10.7   | 5.4    | 5.4    | 5.4    |
| 85°   | 18.8   | 16.1   | 13.4   | 8.1    | 5.4    | 5.4    | 2.7    | 0.0    | 2.7    | 2.7    | 0.0    |
| 87.5° | 10.7   | 5.4    | 5.4    | 2.7    | 0.0    | 2.7    | 2.7    | 0.0    | 0.0    | 0.0    | 5.4    |
| 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°    | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 |
| 2.5°  | 5534.4 | 5531.6 | 5537.1 | 5537.1 | 5553.2 | 5550.4 | 5558.5 | 5558.5 | 5553.2 | 5555.9 | 5566.6 |
| 5°    | 5553.2 | 5561.3 | 5577.3 | 5590.8 | 5614.9 | 5625.7 | 5639.1 | 5652.6 | 5655.3 | 5663.3 | 5671.4 |
| 7.5°  | 5553.2 | 5580.1 | 5598.9 | 5623.0 | 5655.3 | 5674.1 | 5703.6 | 5727.8 | 5738.5 | 5751.9 | 5768.1 |
| 10°   | 5542.4 | 5569.2 | 5604.2 | 5631.1 | 5671.4 | 5700.9 | 5730.5 | 5768.1 | 5784.2 | 5805.7 | 5827.2 |
| 12.5° | 5520.9 | 5550.4 | 5588.0 | 5623.0 | 5668.7 | 5695.5 | 5733.1 | 5768.1 | 5792.3 | 5821.8 | 5846.0 |
| 15°   | 5488.7 | 5523.6 | 5558.5 | 5593.5 | 5641.8 | 5674.1 | 5709.0 | 5749.3 | 5773.5 | 5805.7 | 5827.2 |
| 17.5° | 5437.6 | 5475.2 | 5507.5 | 5539.7 | 5585.4 | 5623.0 | 5655.3 | 5692.9 | 5717.1 | 5744.0 | 5773.5 |
| 20°   | 5375.8 | 5410.8 | 5445.7 | 5472.6 | 5518.3 | 5550.4 | 5585.4 | 5620.3 | 5639.1 | 5644.5 | 5690.2 |
| 22.5° | 5298.0 | 5322.1 | 5349.0 | 5392.0 | 5418.8 | 5448.4 | 5480.7 | 5512.8 | 5531.6 | 5561.3 | 5577.3 |
| 25°   | 5168.9 | 5193.2 | 5222.7 | 5241.5 | 5273.8 | 5298.0 | 5330.2 | 5365.1 | 5375.8 | 5397.4 | 5413.4 |
| 27.5° | 4989.0 | 5002.4 | 5015.9 | 5031.9 | 5050.7 | 5064.2 | 5083.0 | 5099.2 | 5109.9 | 5120.6 | 5131.3 |
| 30°   | 4704.2 | 4704.2 | 4704.2 | 4693.4 | 4701.5 | 4709.6 | 4712.2 | 4709.6 | 4709.6 | 4706.9 | 4706.9 |
| 32.5° | 4328.1 | 4306.6 | 4282.4 | 4260.9 | 4252.9 | 4242.1 | 4236.7 | 4228.7 | 4215.3 | 4207.2 | 4209.9 |
| 35°   | 3820.3 | 3772.0 | 3742.4 | 3715.6 | 3694.1 | 3678.0 | 3669.9 | 3661.8 | 3659.2 | 3648.4 | 3637.6 |
| 37.5° | 3186.3 | 3151.4 | 3129.9 | 3113.8 | 3095.0 | 3078.8 | 3081.5 | 3084.2 | 3092.2 | 3086.9 | 3089.6 |
| 40°   | 2514.6 | 2506.6 | 2514.6 | 2495.8 | 2490.4 | 2495.8 | 2509.2 | 2528.1 | 2538.9 | 2549.6 | 2568.4 |
| 42.5° | 1912.8 | 1926.2 | 1945.1 | 1945.1 | 1953.1 | 1963.9 | 1980.0 | 2009.6 | 2025.6 | 2044.4 | 2066.0 |
| 45°   | 1440.0 | 1456.1 | 1480.4 | 1488.3 | 1493.7 | 1507.1 | 1526.0 | 1550.1 | 1560.9 | 1577.0 | 1595.8 |
| 47.5° | 1109.6 | 1120.3 | 1133.7 | 1147.2 | 1160.6 | 1166.0 | 1184.8 | 1184.8 | 1198.3 | 1209.0 | 1214.3 |
| 50°   | 865.1  | 875.8  | 886.5  | 894.6  | 900.0  | 908.1  | 913.4  | 921.5  | 924.1  | 929.6  | 932.2  |
| 52.5° | 677.0  | 690.5  | 690.5  | 695.8  | 703.9  | 711.9  | 709.3  | 711.9  | 714.6  | 714.6  | 722.7  |
| 55°   | 529.2  | 529.2  | 537.3  | 537.3  | 542.7  | 540.0  | 542.7  | 542.7  | 542.7  | 542.7  | 545.4  |
| 57.5° | 394.9  | 397.7  | 405.7  | 400.3  | 397.7  | 403.0  | 397.7  | 403.0  | 400.3  | 405.7  | 397.7  |
| 60°   | 303.5  | 303.5  | 306.3  | 306.3  | 309.0  | 309.0  | 309.0  | 306.3  | 306.3  | 303.5  | 303.5  |
| 62.5° | 228.4  | 231.0  | 233.8  | 231.0  | 231.0  | 231.0  | 228.4  | 228.4  | 225.7  | 222.9  | 222.9  |
| 65°   | 153.2  | 150.5  | 155.8  | 150.5  | 153.2  | 153.2  | 150.5  | 153.2  | 145.1  | 147.7  | 145.1  |
| 67.5° | 110.1  | 107.5  | 104.8  | 107.5  | 104.8  | 102.1  | 102.1  | 104.8  | 107.5  | 99.4   | 99.4   |
| 70°   | 72.5   | 75.2   | 72.5   | 75.2   | 78.0   | 78.0   | 75.2   | 72.5   | 75.2   | 69.9   | 72.5   |
| 72.5° | 45.7   | 45.7   | 45.7   | 45.7   | 45.7   | 48.3   | 48.3   | 48.3   | 43.0   | 43.0   | 40.3   |
| 75°   | 21.5   | 29.5   | 24.2   | 21.5   | 29.5   | 29.5   | 26.9   | 26.9   | 24.2   | 24.2   | 24.2   |
| 77.5° | 21.5   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 13.4   | 16.1   | 13.4   |
| 80°   | 10.7   | 10.7   | 10.7   | 8.1    | 10.7   | 10.7   | 13.4   | 10.7   | 10.7   | 8.1    | 13.4   |
| 82.5° | 5.4    | 5.4    | 5.4    | 0.0    | 2.7    | 5.4    | 5.4    | 2.7    | 5.4    | 5.4    | 2.7    |
| 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: P249004

CATALOG NUMBER: LSR8B90D010 EC8B90840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 |
| 2.5°  | 5563.9 | 5561.3 | 5563.9 | 5566.6 | 5563.9 | 5561.3 | 5563.9 | 5566.6 | 5555.9 | 5553.2 | 5558.5 |
| 5°    | 5682.1 | 5682.1 | 5687.5 | 5690.2 | 5687.5 | 5682.1 | 5682.1 | 5671.4 | 5663.3 | 5655.3 | 5652.6 |
| 7.5°  | 5784.2 | 5789.6 | 5794.9 | 5797.6 | 5794.9 | 5789.6 | 5784.2 | 5768.1 | 5751.9 | 5738.5 | 5727.8 |
| 10°   | 5846.0 | 5854.1 | 5864.8 | 5870.1 | 5864.8 | 5854.1 | 5846.0 | 5827.2 | 5805.7 | 5784.2 | 5768.1 |
| 12.5° | 5872.9 | 5881.0 | 5894.4 | 5891.7 | 5894.4 | 5881.0 | 5872.9 | 5846.0 | 5821.8 | 5792.3 | 5768.1 |
| 15°   | 5854.1 | 5864.8 | 5878.2 | 5883.6 | 5878.2 | 5864.8 | 5854.1 | 5827.2 | 5805.7 | 5773.5 | 5749.3 |
| 17.5° | 5794.9 | 5811.1 | 5819.2 | 5827.2 | 5819.2 | 5811.1 | 5794.9 | 5773.5 | 5744.0 | 5717.1 | 5692.9 |
| 20°   | 5714.3 | 5725.2 | 5735.9 | 5738.5 | 5735.9 | 5725.2 | 5714.3 | 5690.2 | 5644.5 | 5639.1 | 5620.3 |
| 22.5° | 5598.9 | 5606.9 | 5631.1 | 5623.0 | 5631.1 | 5606.9 | 5598.9 | 5577.3 | 5561.3 | 5531.6 | 5512.8 |
| 25°   | 5432.2 | 5440.3 | 5443.1 | 5445.7 | 5443.1 | 5440.3 | 5432.2 | 5413.4 | 5397.4 | 5375.8 | 5365.1 |
| 27.5° | 5144.8 | 5144.8 | 5150.1 | 5152.9 | 5150.1 | 5144.8 | 5144.8 | 5131.3 | 5120.6 | 5109.9 | 5099.2 |
| 30°   | 4709.6 | 4709.6 | 4709.6 | 4723.1 | 4709.6 | 4709.6 | 4709.6 | 4706.9 | 4706.9 | 4709.6 | 4709.6 |
| 32.5° | 4207.2 | 4201.8 | 4196.5 | 4201.8 | 4196.5 | 4201.8 | 4207.2 | 4209.9 | 4207.2 | 4215.3 | 4228.7 |
| 35°   | 3637.6 | 3634.9 | 3643.0 | 3632.3 | 3643.0 | 3634.9 | 3637.6 | 3637.6 | 3648.4 | 3659.2 | 3661.8 |
| 37.5° | 3092.2 | 3086.9 | 3097.6 | 3086.9 | 3097.6 | 3086.9 | 3092.2 | 3089.6 | 3086.9 | 3092.2 | 3084.2 |
| 40°   | 2573.8 | 2579.1 | 2579.1 | 2600.7 | 2579.1 | 2579.1 | 2573.8 | 2568.4 | 2549.6 | 2538.9 | 2528.1 |
| 42.5° | 2076.7 | 2092.9 | 2087.5 | 2103.6 | 2087.5 | 2092.9 | 2076.7 | 2066.0 | 2044.4 | 2025.6 | 2009.6 |
| 45°   | 1606.5 | 1617.4 | 1617.4 | 1622.7 | 1617.4 | 1617.4 | 1606.5 | 1595.8 | 1577.0 | 1560.9 | 1550.1 |
| 47.5° | 1233.1 | 1233.1 | 1233.1 | 1235.9 | 1233.1 | 1233.1 | 1233.1 | 1214.3 | 1209.0 | 1198.3 | 1184.8 |
| 50°   | 937.6  | 940.3  | 943.0  | 945.7  | 943.0  | 940.3  | 937.6  | 932.2  | 929.6  | 924.1  | 921.5  |
| 52.5° | 720.0  | 722.7  | 717.3  | 722.7  | 717.3  | 722.7  | 720.0  | 722.7  | 714.6  | 714.6  | 711.9  |
| 55°   | 545.4  | 542.7  | 545.4  | 548.0  | 545.4  | 542.7  | 545.4  | 545.4  | 542.7  | 542.7  | 542.7  |
| 57.5° | 400.3  | 394.9  | 394.9  | 394.9  | 394.9  | 394.9  | 400.3  | 397.7  | 405.7  | 400.3  | 403.0  |
| 60°   | 298.2  | 300.9  | 300.9  | 303.5  | 300.9  | 300.9  | 298.2  | 303.5  | 303.5  | 306.3  | 306.3  |
| 62.5° | 220.3  | 228.4  | 222.9  | 228.4  | 222.9  | 228.4  | 220.3  | 222.9  | 222.9  | 225.7  | 228.4  |
| 65°   | 142.4  | 142.4  | 142.4  | 145.1  | 142.4  | 142.4  | 142.4  | 145.1  | 147.7  | 145.1  | 153.2  |
| 67.5° | 96.8   | 99.4   | 104.8  | 102.1  | 104.8  | 99.4   | 96.8   | 99.4   | 99.4   | 107.5  | 104.8  |
| 70°   | 78.0   | 69.9   | 69.9   | 78.0   | 69.9   | 69.9   | 78.0   | 72.5   | 69.9   | 75.2   | 72.5   |
| 72.5° | 45.7   | 40.3   | 45.7   | 45.7   | 45.7   | 40.3   | 45.7   | 40.3   | 43.0   | 43.0   | 48.3   |
| 75°   | 24.2   | 21.5   | 18.8   | 26.9   | 18.8   | 21.5   | 24.2   | 24.2   | 24.2   | 24.2   | 26.9   |
| 77.5° | 16.1   | 13.4   | 18.8   | 18.8   | 18.8   | 13.4   | 16.1   | 13.4   | 16.1   | 13.4   | 16.1   |
| 80°   | 8.1    | 10.7   | 8.1    | 13.4   | 8.1    | 10.7   | 8.1    | 13.4   | 8.1    | 10.7   | 10.7   |
| 82.5° | 2.7    | 5.4    | 5.4    | 5.4    | 5.4    | 5.4    | 2.7    | 2.7    | 5.4    | 5.4    | 2.7    |
| 85°   | 0.0    | 5.4    | 2.7    | 2.7    | 2.7    | 5.4    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 2.7    | 0.0    | 0.0    | 2.7    | 0.0    | 0.0    | 2.7    | 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: P249004

CATALOG NUMBER: LSR8B90D010 EC8B90840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 |
| 2.5°  | 5558.5 | 5550.4 | 5553.2 | 5537.1 | 5537.1 | 5531.6 | 5534.4 | 5520.9 | 5515.6 | 5510.2 | 5518.3 |
| 5°    | 5639.1 | 5625.7 | 5614.9 | 5590.8 | 5577.3 | 5561.3 | 5553.2 | 5531.6 | 5512.8 | 5496.7 | 5494.0 |
| 7.5°  | 5703.6 | 5674.1 | 5655.3 | 5623.0 | 5598.9 | 5580.1 | 5553.2 | 5523.6 | 5499.5 | 5477.9 | 5461.9 |
| 10°   | 5730.5 | 5700.9 | 5671.4 | 5631.1 | 5604.2 | 5569.2 | 5542.4 | 5504.8 | 5472.6 | 5443.1 | 5424.2 |
| 12.5° | 5733.1 | 5695.5 | 5668.7 | 5623.0 | 5588.0 | 5550.4 | 5520.9 | 5477.9 | 5440.3 | 5410.8 | 5381.3 |
| 15°   | 5709.0 | 5674.1 | 5641.8 | 5593.5 | 5558.5 | 5523.6 | 5488.7 | 5443.1 | 5408.1 | 5373.2 | 5351.7 |
| 17.5° | 5655.3 | 5623.0 | 5585.4 | 5539.7 | 5507.5 | 5475.2 | 5437.6 | 5400.1 | 5359.7 | 5322.1 | 5295.2 |
| 20°   | 5585.4 | 5550.4 | 5518.3 | 5472.6 | 5445.7 | 5410.8 | 5375.8 | 5335.6 | 5303.3 | 5265.7 | 5236.2 |
| 22.5° | 5480.7 | 5448.4 | 5418.8 | 5392.0 | 5349.0 | 5322.1 | 5298.0 | 5252.3 | 5220.0 | 5185.1 | 5152.9 |
| 25°   | 5330.2 | 5298.0 | 5273.8 | 5241.5 | 5222.7 | 5193.2 | 5168.9 | 5128.7 | 5099.2 | 5066.9 | 5040.0 |
| 27.5° | 5083.0 | 5064.2 | 5050.7 | 5031.9 | 5015.9 | 5002.4 | 4989.0 | 4956.7 | 4935.3 | 4905.7 | 4878.9 |
| 30°   | 4712.2 | 4709.6 | 4701.5 | 4693.4 | 4704.2 | 4704.2 | 4704.2 | 4698.9 | 4680.1 | 4658.5 | 4639.7 |
| 32.5° | 4236.7 | 4242.1 | 4252.9 | 4260.9 | 4282.4 | 4306.6 | 4328.1 | 4338.8 | 4338.8 | 4325.4 | 4317.3 |
| 35°   | 3669.9 | 3678.0 | 3694.1 | 3715.6 | 3742.4 | 3772.0 | 3820.3 | 3831.1 | 3839.1 | 3839.1 | 3828.3 |
| 37.5° | 3081.5 | 3078.8 | 3095.0 | 3113.8 | 3129.9 | 3151.4 | 3186.3 | 3194.4 | 3207.8 | 3202.5 | 3191.6 |
| 40°   | 2509.2 | 2495.8 | 2490.4 | 2495.8 | 2514.6 | 2506.6 | 2514.6 | 2509.2 | 2509.2 | 2490.4 | 2490.4 |
| 42.5° | 1980.0 | 1963.9 | 1953.1 | 1945.1 | 1945.1 | 1926.2 | 1912.8 | 1899.5 | 1891.4 | 1877.9 | 1875.2 |
| 45°   | 1526.0 | 1507.1 | 1493.7 | 1488.3 | 1480.4 | 1456.1 | 1440.0 | 1423.9 | 1405.1 | 1399.7 | 1402.4 |
| 47.5° | 1184.8 | 1166.0 | 1160.6 | 1147.2 | 1133.7 | 1120.3 | 1109.6 | 1090.8 | 1088.0 | 1077.3 | 1088.0 |
| 50°   | 913.4  | 908.1  | 900.0  | 894.6  | 886.5  | 875.8  | 865.1  | 854.4  | 848.9  | 848.9  | 851.6  |
| 52.5° | 709.3  | 711.9  | 703.9  | 695.8  | 690.5  | 690.5  | 677.0  | 674.3  | 674.3  | 663.6  | 674.3  |
| 55°   | 542.7  | 540.0  | 542.7  | 537.3  | 537.3  | 529.2  | 529.2  | 521.2  | 521.2  | 513.1  | 518.5  |
| 57.5° | 397.7  | 403.0  | 397.7  | 400.3  | 405.7  | 397.7  | 394.9  | 386.8  | 392.2  | 386.8  | 389.6  |
| 60°   | 309.0  | 309.0  | 309.0  | 306.3  | 306.3  | 303.5  | 303.5  | 300.9  | 300.9  | 295.5  | 300.9  |
| 62.5° | 228.4  | 231.0  | 231.0  | 231.0  | 233.8  | 231.0  | 228.4  | 231.0  | 228.4  | 228.4  | 231.0  |
| 65°   | 150.5  | 153.2  | 153.2  | 150.5  | 155.8  | 150.5  | 153.2  | 155.8  | 158.5  | 155.8  | 158.5  |
| 67.5° | 102.1  | 102.1  | 104.8  | 107.5  | 104.8  | 107.5  | 110.1  | 107.5  | 110.1  | 115.6  | 110.1  |
| 70°   | 75.2   | 78.0   | 78.0   | 75.2   | 72.5   | 75.2   | 72.5   | 80.6   | 80.6   | 80.6   | 85.9   |
| 72.5° | 48.3   | 48.3   | 45.7   | 45.7   | 45.7   | 45.7   | 45.7   | 53.7   | 48.3   | 45.7   | 51.1   |
| 75°   | 26.9   | 29.5   | 29.5   | 21.5   | 24.2   | 29.5   | 21.5   | 24.2   | 32.3   | 26.9   | 32.3   |
| 77.5° | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 16.1   | 21.5   | 18.8   | 18.8   | 18.8   | 21.5   |
| 80°   | 13.4   | 10.7   | 10.7   | 8.1    | 10.7   | 10.7   | 10.7   | 16.1   | 13.4   | 13.4   | 16.1   |
| 82.5° | 5.4    | 5.4    | 2.7    | 0.0    | 5.4    | 5.4    | 5.4    | 5.4    | 5.4    | 5.4    | 10.7   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.7    | 2.7    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 5.4    | 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: P249004

CATALOG NUMBER: LSR8B90D010 EC8B90840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 |
| 2.5°  | 5496.7 | 5496.7 | 5494.0 | 5488.7 | 5477.9 | 5477.9 | 5475.2 | 5467.2 | 5461.9 | 5459.1 | 5459.1 |
| 5°    | 5469.8 | 5459.1 | 5448.4 | 5418.8 | 5418.8 | 5413.4 | 5397.4 | 5386.6 | 5381.3 | 5367.8 | 5362.5 |
| 7.5°  | 5445.7 | 5413.4 | 5394.6 | 5375.8 | 5351.7 | 5340.9 | 5322.1 | 5314.0 | 5295.2 | 5281.8 | 5273.8 |
| 10°   | 5386.6 | 5365.1 | 5340.9 | 5311.4 | 5292.6 | 5271.1 | 5249.5 | 5233.5 | 5209.3 | 5195.8 | 5185.1 |
| 12.5° | 5346.3 | 5314.0 | 5292.6 | 5260.3 | 5228.1 | 5209.3 | 5179.8 | 5161.0 | 5136.8 | 5109.9 | 5093.7 |
| 15°   | 5308.7 | 5273.8 | 5244.2 | 5209.3 | 5174.4 | 5152.9 | 5118.0 | 5096.5 | 5061.6 | 5034.7 | 5015.9 |
| 17.5° | 5252.3 | 5222.7 | 5190.5 | 5147.5 | 5115.3 | 5088.4 | 5050.7 | 5024.0 | 4991.7 | 4956.7 | 4937.9 |
| 20°   | 5193.2 | 5158.2 | 5126.0 | 5083.0 | 5050.7 | 5018.5 | 4980.9 | 4951.4 | 4913.7 | 4881.5 | 4860.1 |
| 22.5° | 5115.3 | 5074.9 | 5048.1 | 5005.1 | 4967.5 | 4932.6 | 4897.7 | 4862.7 | 4827.8 | 4800.9 | 4776.7 |
| 25°   | 5002.4 | 4959.4 | 4929.9 | 4894.9 | 4860.1 | 4833.2 | 4790.2 | 4768.7 | 4733.8 | 4709.6 | 4685.4 |
| 27.5° | 4841.2 | 4809.0 | 4782.1 | 4747.2 | 4717.6 | 4696.2 | 4663.9 | 4642.5 | 4612.8 | 4591.4 | 4572.6 |
| 30°   | 4604.9 | 4578.0 | 4553.8 | 4518.8 | 4497.4 | 4478.6 | 4448.9 | 4430.1 | 4408.7 | 4384.5 | 4379.2 |
| 32.5° | 4287.8 | 4266.3 | 4242.1 | 4217.9 | 4201.8 | 4191.1 | 4166.8 | 4156.1 | 4134.7 | 4121.2 | 4107.8 |
| 35°   | 3809.5 | 3790.8 | 3777.4 | 3766.6 | 3761.2 | 3763.9 | 3758.6 | 3769.3 | 3774.6 | 3772.0 | 3774.6 |
| 37.5° | 3183.7 | 3172.8 | 3178.2 | 3186.3 | 3213.2 | 3248.1 | 3280.3 | 3328.6 | 3360.9 | 3393.2 | 3422.7 |
| 40°   | 2485.1 | 2493.2 | 2514.6 | 2563.0 | 2632.8 | 2710.8 | 2783.3 | 2874.7 | 2966.0 | 3030.5 | 3089.6 |
| 42.5° | 1875.2 | 1899.5 | 1953.1 | 2023.0 | 2127.8 | 2243.3 | 2356.2 | 2490.4 | 2600.7 | 2708.0 | 2783.3 |
| 45°   | 1410.5 | 1442.7 | 1512.5 | 1609.3 | 1724.7 | 1859.1 | 2001.5 | 2151.9 | 2283.6 | 2393.8 | 2477.0 |
| 47.5° | 1098.9 | 1128.4 | 1198.3 | 1300.3 | 1442.7 | 1582.4 | 1730.2 | 1886.0 | 2023.0 | 2130.5 | 2203.0 |
| 50°   | 867.7  | 905.3  | 967.2  | 1074.6 | 1217.1 | 1364.8 | 1518.0 | 1671.0 | 1800.1 | 1891.4 | 1955.9 |
| 52.5° | 682.4  | 717.3  | 776.4  | 889.3  | 1034.4 | 1182.1 | 1324.4 | 1474.9 | 1587.7 | 1676.4 | 1719.4 |
| 55°   | 529.2  | 561.5  | 623.2  | 717.3  | 854.4  | 999.4  | 1141.8 | 1270.8 | 1375.5 | 1440.0 | 1480.4 |
| 57.5° | 403.0  | 427.2  | 470.2  | 564.2  | 687.8  | 822.1  | 943.0  | 1072.0 | 1152.6 | 1198.3 | 1225.0 |
| 60°   | 306.3  | 325.1  | 370.8  | 443.3  | 556.1  | 671.7  | 773.7  | 870.5  | 935.0  | 972.6  | 999.4  |
| 62.5° | 231.0  | 252.6  | 284.7  | 346.6  | 432.5  | 526.6  | 612.5  | 685.1  | 738.8  | 763.0  | 781.8  |
| 65°   | 158.5  | 174.6  | 198.8  | 247.2  | 319.7  | 386.8  | 454.0  | 507.8  | 542.7  | 569.6  | 580.3  |
| 67.5° | 118.2  | 128.9  | 142.4  | 180.0  | 231.0  | 284.7  | 330.4  | 368.0  | 405.7  | 416.5  | 435.3  |
| 70°   | 88.7   | 96.8   | 110.1  | 137.0  | 166.5  | 204.1  | 241.8  | 263.3  | 290.2  | 309.0  | 314.4  |
| 72.5° | 56.4   | 59.1   | 72.5   | 88.7   | 112.8  | 137.0  | 161.2  | 180.0  | 196.2  | 206.9  | 212.2  |
| 75°   | 32.3   | 48.3   | 48.3   | 64.5   | 80.6   | 91.3   | 107.5  | 120.9  | 128.9  | 137.0  | 137.0  |
| 77.5° | 21.5   | 29.5   | 32.3   | 40.3   | 48.3   | 61.8   | 75.2   | 83.3   | 91.3   | 94.0   | 94.0   |
| 80°   | 18.8   | 21.5   | 21.5   | 29.5   | 34.9   | 45.7   | 53.7   | 56.4   | 61.8   | 64.5   | 69.9   |
| 82.5° | 8.1    | 10.7   | 13.4   | 21.5   | 24.2   | 24.2   | 32.3   | 34.9   | 40.3   | 43.0   | 43.0   |
| 85°   | 2.7    | 5.4    | 5.4    | 8.1    | 13.4   | 16.1   | 18.8   | 21.5   | 24.2   | 24.2   | 26.9   |
| 87.5° | 2.7    | 2.7    | 0.0    | 2.7    | 5.4    | 5.4    | 10.7   | 10.7   | 10.7   | 16.1   | 16.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



TEST NUMBER: P249004

CATALOG NUMBER: LSR8B90D010 EC8B90840 8LBSW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 | 5502.1 |
| 2.5°  | 5453.8 | 5456.4 | 5445.7 | 5443.1 | 5437.6 | 5440.3 | 5445.7 |
| 5°    | 5354.4 | 5357.0 | 5346.3 | 5335.6 | 5335.6 | 5332.8 | 5335.6 |
| 7.5°  | 5260.3 | 5263.0 | 5246.9 | 5241.5 | 5230.7 | 5233.5 | 5233.5 |
| 10°   | 5166.3 | 5166.3 | 5142.2 | 5139.4 | 5131.3 | 5128.7 | 5128.7 |
| 12.5° | 5074.9 | 5066.9 | 5048.1 | 5037.3 | 5042.8 | 5026.6 | 5026.6 |
| 15°   | 4994.3 | 4980.9 | 4956.7 | 4948.7 | 4935.3 | 4929.9 | 4929.9 |
| 17.5° | 4911.1 | 4900.3 | 4878.9 | 4862.7 | 4846.6 | 4843.9 | 4846.6 |
| 20°   | 4830.4 | 4819.7 | 4792.8 | 4782.1 | 4768.7 | 4768.7 | 4763.3 |
| 22.5° | 4749.8 | 4739.1 | 4715.0 | 4706.9 | 4688.1 | 4688.1 | 4690.8 |
| 25°   | 4666.6 | 4658.5 | 4631.6 | 4626.3 | 4623.7 | 4612.8 | 4618.2 |
| 27.5° | 4553.8 | 4548.3 | 4526.9 | 4518.8 | 4508.1 | 4505.4 | 4510.8 |
| 30°   | 4346.9 | 4338.8 | 4322.8 | 4314.7 | 4295.9 | 4298.5 | 4303.9 |
| 32.5° | 4089.0 | 4078.3 | 4056.7 | 4048.6 | 4032.6 | 4027.2 | 4029.8 |
| 35°   | 3766.6 | 3758.6 | 3739.8 | 3739.8 | 3723.6 | 3718.2 | 3723.6 |
| 37.5° | 3438.9 | 3446.8 | 3438.9 | 3446.8 | 3438.9 | 3436.1 | 3438.9 |
| 40°   | 3129.9 | 3159.4 | 3164.7 | 3194.4 | 3183.7 | 3199.7 | 3197.0 |
| 42.5° | 2834.3 | 2882.7 | 2901.6 | 2925.7 | 2920.4 | 2931.1 | 2939.2 |
| 45°   | 2536.1 | 2576.5 | 2595.2 | 2611.4 | 2614.0 | 2619.5 | 2622.1 |
| 47.5° | 2254.0 | 2286.3 | 2288.9 | 2307.7 | 2305.1 | 2305.1 | 2313.2 |
| 50°   | 1990.8 | 2012.3 | 2017.6 | 2031.1 | 2020.3 | 2014.9 | 2017.6 |
| 52.5° | 1746.3 | 1767.8 | 1762.3 | 1767.8 | 1754.4 | 1749.0 | 1751.6 |
| 55°   | 1496.4 | 1507.1 | 1507.1 | 1507.1 | 1491.1 | 1491.1 | 1491.1 |
| 57.5° | 1241.2 | 1243.9 | 1238.5 | 1241.2 | 1238.5 | 1222.4 | 1219.7 |
| 60°   | 1007.5 | 1007.5 | 1004.7 | 1007.5 | 999.4  | 991.4  | 991.4  |
| 62.5° | 787.1  | 792.5  | 803.3  | 792.5  | 787.1  | 792.5  | 784.5  |
| 65°   | 588.4  | 599.1  | 596.4  | 601.8  | 599.1  | 599.1  | 593.7  |
| 67.5° | 443.3  | 446.0  | 448.6  | 451.4  | 451.4  | 451.4  | 451.4  |
| 70°   | 325.1  | 333.2  | 330.4  | 330.4  | 330.4  | 330.4  | 346.6  |
| 72.5° | 217.6  | 228.4  | 225.7  | 231.0  | 231.0  | 236.4  | 231.0  |
| 75°   | 147.7  | 158.5  | 153.2  | 161.2  | 158.5  | 153.2  | 166.5  |
| 77.5° | 99.4   | 104.8  | 107.5  | 110.1  | 107.5  | 104.8  | 107.5  |
| 80°   | 69.9   | 75.2   | 72.5   | 75.2   | 75.2   | 75.2   | 78.0   |
| 82.5° | 43.0   | 51.1   | 48.3   | 51.1   | 48.3   | 51.1   | 51.1   |
| 85°   | 29.5   | 32.3   | 26.9   | 32.3   | 29.5   | 29.5   | 34.9   |
| 87.5° | 18.8   | 16.1   | 16.1   | 18.8   | 16.1   | 18.8   | 16.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)