

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: P248674

Luminaire Tested: **LSR8B150D010 EC8B150835 8LBSW0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)  
Test Lab: INNOVATION CENTER-P1  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LSR8B150D010 EC8B150835 8LBSW0WMH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
80 CRI 3500 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16110.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 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

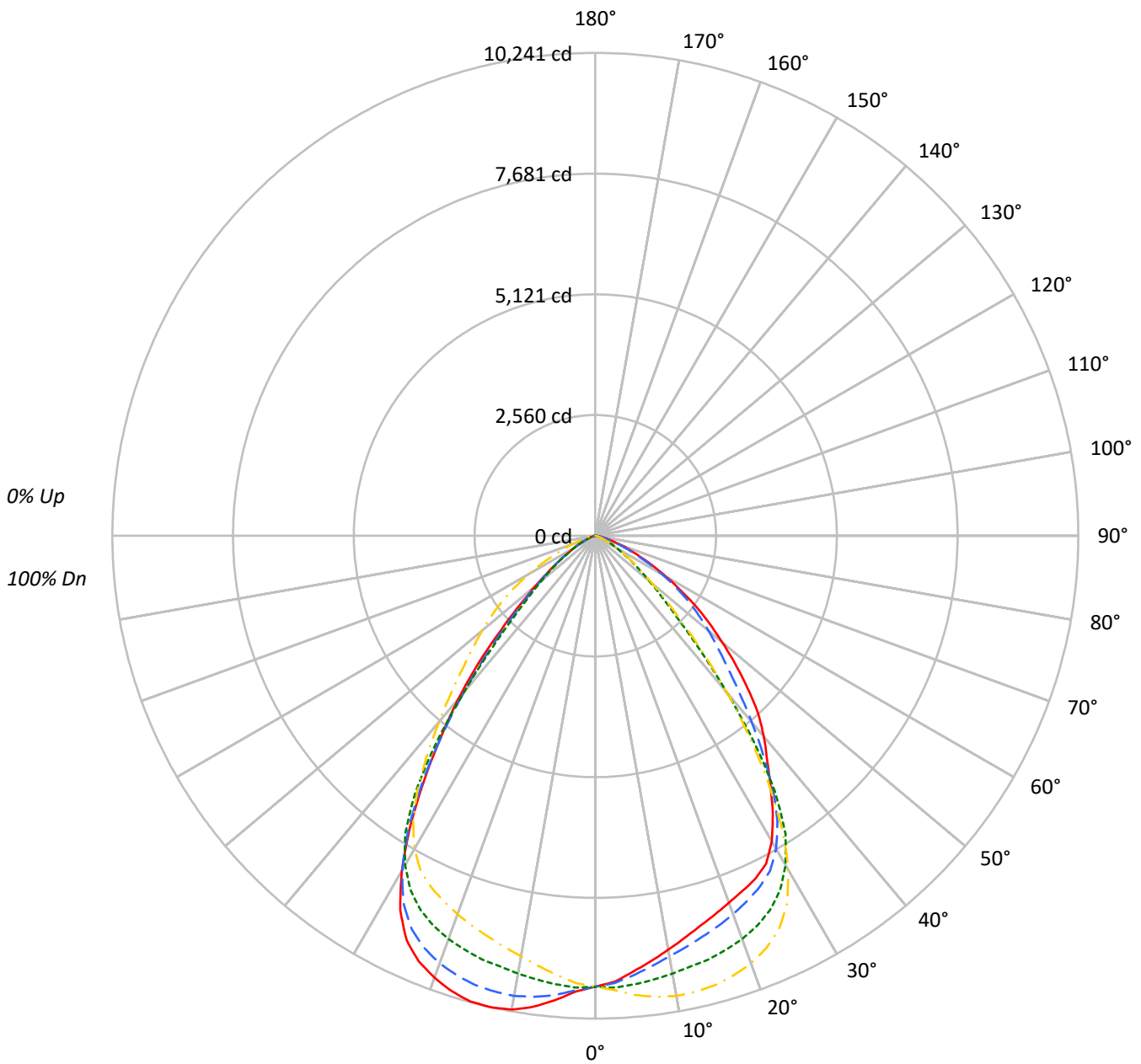
Input Watts (W): 158.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot



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



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

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

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

|     | 0°     | 90°    | 180°   | 270°   |
|-----|--------|--------|--------|--------|
| 0°  | 294919 | 294919 | 294919 | 294919 |
| 5°  | 287084 | 295612 | 306167 | 295612 |
| 10° | 279143 | 295225 | 319498 | 295225 |
| 15° | 273567 | 296977 | 326491 | 296977 |
| 20° | 271704 | 298675 | 327333 | 298675 |
| 25° | 273132 | 298075 | 322072 | 298075 |
| 30° | 266377 | 287165 | 292324 | 287165 |
| 35° | 243656 | 250507 | 237678 | 250507 |
| 40° | 223699 | 174255 | 181972 | 174255 |
| 45° | 198766 | 106306 | 123004 | 106306 |
| 50° | 168241 | 71014  | 78858  | 71014  |
| 55° | 139344 | 48455  | 51213  | 48455  |
| 60° | 106274 | 32255  | 32538  | 32255  |
| 65° | 75300  | 20095  | 18402  | 20095  |
| 70° | 54312  | 13470  | 12217  | 13470  |
| 75° | 34492  | 6684   | 5564   | 6684   |
| 80° | 24062  | 4990   | 4138   | 4990   |
| 85° | 21476  | 0      | 1628   | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 910.3   | 5.7       |
| 10°-20°   | 2636.1  | 16.4      |
| 20°-30°   | 3991.6  | 24.8      |
| 30°-40°   | 4000.6  | 24.8      |
| 40°-50°   | 2512.2  | 15.6      |
| 50°-60°   | 1338.7  | 8.3       |
| 60°-70°   | 550.5   | 3.4       |
| 70°-80°   | 145.4   | 0.9       |
| 80°-90°   | 24.6    | 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°    | 7538.0  | 46.8      |
| 0°-40°    | 11538.6 | 71.6      |
| 0°-60°    | 15389.5 | 95.5      |
| 0°-90°    | 16110.0 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 16110.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180°  | 270° | 360° | Flux |
|-----|------|------|-------|------|------|------|
| 0°  | 9564 | 9564 | 9564  | 9564 | 9564 |      |
| 5°  | 9274 | 9550 | 9891  | 9550 | 9274 | 875  |
| 15° | 8569 | 9303 | 10227 | 9303 | 8569 | 2424 |
| 25° | 8028 | 8761 | 9466  | 8761 | 8028 | 3682 |
| 35° | 6473 | 6655 | 6314  | 6655 | 6473 | 4055 |
| 45° | 4558 | 2438 | 2821  | 2438 | 4558 | 3505 |
| 55° | 2592 | 901  | 953   | 901  | 2592 | 2311 |
| 65° | 1032 | 275  | 252   | 275  | 1032 | 1071 |
| 75° | 290  | 56   | 47    | 56   | 290  | 328  |
| 85° | 61   | 0    | 5     | 0    | 61   | 67   |
| 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°    | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 |
| 2.5°  | 9466.0 | 9456.5 | 9451.9 | 9461.4 | 9466.0 | 9484.6 | 9480.0 | 9489.2 | 9489.2 | 9494.0 | 9503.3 |
| 5°    | 9274.5 | 9269.7 | 9274.5 | 9274.5 | 9293.2 | 9311.8 | 9307.2 | 9321.2 | 9330.5 | 9353.9 | 9363.1 |
| 7.5°  | 9097.1 | 9097.1 | 9092.3 | 9110.9 | 9120.4 | 9148.4 | 9143.6 | 9167.1 | 9181.1 | 9204.4 | 9237.0 |
| 10°   | 8914.9 | 8914.9 | 8919.5 | 8933.5 | 8938.3 | 8980.2 | 8980.2 | 9012.9 | 9031.6 | 9055.0 | 9097.1 |
| 12.5° | 8737.5 | 8737.5 | 8765.5 | 8756.1 | 8774.7 | 8807.4 | 8821.5 | 8854.1 | 8882.2 | 8928.9 | 8971.0 |
| 15°   | 8569.3 | 8569.3 | 8578.7 | 8601.9 | 8616.0 | 8658.1 | 8681.3 | 8718.8 | 8751.5 | 8798.2 | 8858.9 |
| 17.5° | 8424.5 | 8419.9 | 8424.5 | 8452.6 | 8480.7 | 8517.9 | 8536.6 | 8583.3 | 8616.0 | 8676.7 | 8732.8 |
| 20°   | 8279.8 | 8289.2 | 8289.2 | 8312.5 | 8331.1 | 8377.8 | 8396.5 | 8448.0 | 8485.3 | 8541.2 | 8606.8 |
| 22.5° | 8153.7 | 8149.1 | 8149.1 | 8181.8 | 8195.8 | 8237.7 | 8256.3 | 8303.0 | 8345.1 | 8391.9 | 8452.6 |
| 25°   | 8027.6 | 8018.2 | 8037.0 | 8041.6 | 8050.9 | 8097.6 | 8111.6 | 8144.3 | 8186.4 | 8228.5 | 8289.2 |
| 27.5° | 7840.8 | 7831.5 | 7836.1 | 7854.8 | 7868.8 | 7906.1 | 7915.5 | 7948.2 | 7980.9 | 8018.2 | 8069.7 |
| 30°   | 7481.1 | 7471.9 | 7467.3 | 7500.0 | 7514.0 | 7541.9 | 7555.9 | 7612.0 | 7621.2 | 7663.3 | 7700.6 |
| 32.5° | 7004.8 | 7000.2 | 7009.6 | 7037.5 | 7051.5 | 7089.0 | 7107.6 | 7140.3 | 7163.6 | 7187.0 | 7224.3 |
| 35°   | 6472.6 | 6463.1 | 6472.6 | 6500.6 | 6500.6 | 6533.3 | 6547.3 | 6561.2 | 6556.6 | 6561.2 | 6551.9 |
| 37.5° | 5977.6 | 5972.8 | 5977.6 | 5991.4 | 5977.6 | 5991.4 | 5977.6 | 5949.5 | 5898.2 | 5842.1 | 5786.0 |
| 40°   | 5557.2 | 5561.8 | 5534.0 | 5552.6 | 5501.1 | 5491.9 | 5440.5 | 5370.4 | 5267.7 | 5155.7 | 4996.9 |
| 42.5° | 5109.0 | 5094.9 | 5076.3 | 5085.5 | 5043.6 | 5010.7 | 4926.7 | 4838.1 | 4707.2 | 4520.6 | 4328.9 |
| 45°   | 4557.9 | 4553.3 | 4543.8 | 4539.2 | 4511.2 | 4478.5 | 4408.3 | 4305.7 | 4160.9 | 3969.5 | 3740.6 |
| 47.5° | 4020.8 | 4006.8 | 4006.8 | 4011.4 | 3978.7 | 3974.1 | 3918.0 | 3829.4 | 3703.3 | 3516.4 | 3278.3 |
| 50°   | 3507.0 | 3502.4 | 3511.8 | 3530.5 | 3507.0 | 3497.8 | 3460.5 | 3399.8 | 3287.7 | 3128.9 | 2904.6 |
| 52.5° | 3044.7 | 3040.1 | 3049.5 | 3072.8 | 3063.4 | 3072.8 | 3035.5 | 2988.8 | 2914.0 | 2759.9 | 2563.8 |
| 55°   | 2591.9 | 2591.9 | 2591.9 | 2619.7 | 2619.7 | 2619.7 | 2601.1 | 2573.2 | 2503.1 | 2391.0 | 2209.0 |
| 57.5° | 2120.2 | 2124.8 | 2152.8 | 2157.5 | 2152.8 | 2162.3 | 2157.5 | 2129.4 | 2082.9 | 2003.5 | 1863.4 |
| 60°   | 1723.2 | 1723.2 | 1737.3 | 1751.3 | 1746.5 | 1751.3 | 1751.3 | 1737.3 | 1690.6 | 1625.2 | 1513.1 |
| 62.5° | 1363.6 | 1377.6 | 1368.2 | 1377.6 | 1396.3 | 1377.6 | 1368.2 | 1359.0 | 1326.3 | 1284.2 | 1190.8 |
| 65°   | 1032.0 | 1041.4 | 1041.4 | 1046.1 | 1036.6 | 1041.4 | 1022.8 | 1008.8 | 990.1  | 943.4  | 882.7  |
| 67.5° | 784.6  | 784.6  | 784.6  | 784.6  | 779.8  | 775.2  | 770.6  | 756.6  | 723.9  | 705.2  | 639.7  |
| 70°   | 602.4  | 574.3  | 574.3  | 574.3  | 574.3  | 579.2  | 565.1  | 546.5  | 537.1  | 504.4  | 457.7  |
| 72.5° | 401.5  | 411.0  | 401.5  | 401.5  | 392.3  | 396.9  | 378.3  | 368.9  | 359.6  | 341.0  | 312.9  |
| 75°   | 289.5  | 266.2  | 275.4  | 280.3  | 266.2  | 275.4  | 256.8  | 238.2  | 238.2  | 224.1  | 210.1  |
| 77.5° | 186.8  | 182.2  | 186.8  | 191.4  | 186.8  | 182.2  | 172.8  | 163.4  | 163.4  | 158.8  | 144.7  |
| 80°   | 135.5  | 130.7  | 130.7  | 130.7  | 126.1  | 130.7  | 121.5  | 121.5  | 112.1  | 107.4  | 98.0   |
| 82.5° | 88.8   | 88.8   | 84.0   | 88.8   | 84.0   | 88.8   | 74.8   | 74.8   | 74.8   | 70.0   | 60.7   |
| 85°   | 60.7   | 51.3   | 51.3   | 56.1   | 46.7   | 56.1   | 51.3   | 46.7   | 42.1   | 42.1   | 37.3   |
| 87.5° | 28.1   | 32.7   | 28.1   | 32.7   | 28.1   | 28.1   | 32.7   | 28.1   | 28.1   | 18.6   | 18.6   |
| 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°    | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 |
| 2.5°  | 9517.3 | 9521.9 | 9521.9 | 9540.7 | 9550.0 | 9554.6 | 9554.6 | 9592.1 | 9578.0 | 9587.4 | 9596.7 |
| 5°    | 9382.0 | 9409.8 | 9419.3 | 9419.3 | 9470.6 | 9489.2 | 9507.9 | 9550.0 | 9554.6 | 9582.6 | 9615.3 |
| 7.5°  | 9251.1 | 9283.7 | 9302.6 | 9344.5 | 9377.2 | 9409.8 | 9466.0 | 9494.0 | 9521.9 | 9559.4 | 9601.3 |
| 10°   | 9125.0 | 9162.5 | 9199.7 | 9232.4 | 9283.7 | 9325.8 | 9363.1 | 9428.5 | 9461.4 | 9512.7 | 9568.6 |
| 12.5° | 9003.7 | 9055.0 | 9087.7 | 9143.6 | 9199.7 | 9237.0 | 9293.2 | 9353.9 | 9405.2 | 9456.5 | 9521.9 |
| 15°   | 8896.2 | 8957.0 | 8994.3 | 9055.0 | 9115.7 | 9167.1 | 9227.8 | 9302.6 | 9339.9 | 9400.6 | 9461.4 |
| 17.5° | 8779.4 | 8844.9 | 8891.6 | 8947.6 | 9022.3 | 9078.3 | 9129.8 | 9204.4 | 9251.1 | 9316.4 | 9386.6 |
| 20°   | 8658.1 | 8723.4 | 8779.4 | 8835.5 | 8910.3 | 8966.2 | 9026.9 | 9101.7 | 9153.0 | 9218.4 | 9274.5 |
| 22.5° | 8513.3 | 8574.1 | 8634.6 | 8700.0 | 8774.7 | 8821.5 | 8891.6 | 8957.0 | 9012.9 | 9073.6 | 9129.8 |
| 25°   | 8326.5 | 8401.3 | 8448.0 | 8508.5 | 8569.3 | 8620.6 | 8695.4 | 8760.7 | 8807.4 | 8863.6 | 8914.9 |
| 27.5° | 8107.0 | 8163.1 | 8200.4 | 8251.7 | 8312.5 | 8359.2 | 8415.1 | 8480.7 | 8527.4 | 8578.7 | 8616.0 |
| 30°   | 7733.3 | 7784.8 | 7817.5 | 7854.8 | 7915.5 | 7957.6 | 8004.3 | 8064.9 | 8097.6 | 8135.0 | 8167.7 |
| 32.5° | 7243.0 | 7285.1 | 7303.7 | 7331.8 | 7373.9 | 7415.8 | 7453.3 | 7504.6 | 7518.6 | 7541.9 | 7541.9 |
| 35°   | 6533.3 | 6542.5 | 6537.9 | 6547.3 | 6566.0 | 6589.2 | 6621.9 | 6654.6 | 6673.2 | 6673.2 | 6659.4 |
| 37.5° | 5702.0 | 5646.0 | 5585.3 | 5538.6 | 5524.5 | 5515.1 | 5534.0 | 5547.8 | 5566.6 | 5575.9 | 5552.6 |
| 40°   | 4838.1 | 4712.0 | 4576.5 | 4455.0 | 4371.0 | 4333.7 | 4319.7 | 4328.9 | 4328.9 | 4361.6 | 4361.6 |
| 42.5° | 4095.6 | 3899.3 | 3698.7 | 3516.4 | 3395.0 | 3301.7 | 3259.6 | 3259.6 | 3264.2 | 3287.7 | 3301.7 |
| 45°   | 3479.1 | 3231.6 | 2998.0 | 2797.3 | 2629.2 | 2507.7 | 2451.7 | 2437.7 | 2433.1 | 2442.3 | 2475.0 |
| 47.5° | 3007.4 | 2750.6 | 2507.7 | 2260.3 | 2082.9 | 1961.4 | 1910.1 | 1891.2 | 1872.6 | 1891.2 | 1896.0 |
| 50°   | 2638.6 | 2372.4 | 2115.6 | 1868.0 | 1681.1 | 1573.7 | 1508.3 | 1480.3 | 1475.7 | 1475.7 | 1485.1 |
| 52.5° | 2302.2 | 2054.8 | 1798.0 | 1545.8 | 1349.6 | 1246.9 | 1186.2 | 1172.1 | 1153.5 | 1172.1 | 1172.1 |
| 55°   | 1984.7 | 1737.3 | 1485.1 | 1246.9 | 1083.3 | 976.1  | 920.0  | 901.3  | 891.9  | 905.9  | 905.9  |
| 57.5° | 1639.2 | 1428.9 | 1195.6 | 980.7  | 817.3  | 742.5  | 700.4  | 677.2  | 672.4  | 681.8  | 672.4  |
| 60°   | 1344.9 | 1167.5 | 966.7  | 770.6  | 644.5  | 565.1  | 532.4  | 523.0  | 513.6  | 523.0  | 523.0  |
| 62.5° | 1064.7 | 915.3  | 751.8  | 602.4  | 495.0  | 439.0  | 401.5  | 401.5  | 396.9  | 396.9  | 401.5  |
| 65°   | 789.2  | 672.4  | 555.7  | 429.6  | 345.6  | 303.5  | 275.4  | 275.4  | 270.8  | 275.4  | 270.8  |
| 67.5° | 574.3  | 495.0  | 401.5  | 312.9  | 247.6  | 224.1  | 205.5  | 191.4  | 200.9  | 191.4  | 186.8  |
| 70°   | 420.4  | 354.8  | 289.5  | 238.2  | 191.4  | 168.2  | 154.2  | 149.4  | 140.1  | 140.1  | 140.1  |
| 72.5° | 280.3  | 238.2  | 196.1  | 154.2  | 126.1  | 102.6  | 98.0   | 88.8   | 79.4   | 84.0   | 93.4   |
| 75°   | 186.8  | 158.8  | 140.1  | 112.1  | 84.0   | 84.0   | 56.1   | 56.1   | 46.7   | 56.1   | 42.1   |
| 77.5° | 130.7  | 107.4  | 84.0   | 70.0   | 56.1   | 51.3   | 37.3   | 37.3   | 32.7   | 32.7   | 32.7   |
| 80°   | 93.4   | 79.4   | 60.7   | 51.3   | 37.3   | 37.3   | 32.7   | 28.1   | 23.3   | 23.3   | 28.1   |
| 82.5° | 56.1   | 42.1   | 42.1   | 37.3   | 23.3   | 18.6   | 14.0   | 18.6   | 9.4    | 9.4    | 9.4    |
| 85°   | 32.7   | 28.1   | 23.3   | 14.0   | 9.4    | 9.4    | 4.6    | 0.0    | 4.6    | 4.6    | 0.0    |
| 87.5° | 18.6   | 9.4    | 9.4    | 4.6    | 0.0    | 4.6    | 4.6    | 0.0    | 0.0    | 0.0    | 9.4    |
| 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: P248674

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°    | 150°    | 155°    | 160°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0  | 9564.0  | 9564.0  | 9564.0  |
| 2.5°  | 9620.1 | 9615.3 | 9624.7 | 9624.7 | 9652.8 | 9648.0 | 9662.0 | 9662.0  | 9652.8  | 9657.4  | 9676.1  |
| 5°    | 9652.8 | 9666.8 | 9694.7 | 9718.2 | 9760.1 | 9778.9 | 9802.2 | 9825.6  | 9830.2  | 9844.3  | 9858.3  |
| 7.5°  | 9652.8 | 9699.5 | 9732.2 | 9774.1 | 9830.2 | 9862.9 | 9914.2 | 9956.3  | 9975.0  | 9998.2  | 10026.3 |
| 10°   | 9634.0 | 9680.7 | 9741.4 | 9788.1 | 9858.3 | 9909.6 | 9960.9 | 10026.3 | 10054.3 | 10091.6 | 10129.1 |
| 12.5° | 9596.7 | 9648.0 | 9713.4 | 9774.1 | 9853.5 | 9900.2 | 9965.5 | 10026.3 | 10068.4 | 10119.7 | 10161.8 |
| 15°   | 9540.7 | 9601.3 | 9662.0 | 9722.8 | 9806.8 | 9862.9 | 9923.6 | 9993.6  | 10035.7 | 10091.6 | 10129.1 |
| 17.5° | 9451.9 | 9517.3 | 9573.4 | 9629.4 | 9708.7 | 9774.1 | 9830.2 | 9895.6  | 9937.7  | 9984.4  | 10035.7 |
| 20°   | 9344.5 | 9405.2 | 9466.0 | 9512.7 | 9592.1 | 9648.0 | 9708.7 | 9769.5  | 9802.2  | 9811.6  | 9891.0  |
| 22.5° | 9209.2 | 9251.1 | 9297.8 | 9372.5 | 9419.3 | 9470.6 | 9526.7 | 9582.6  | 9615.3  | 9666.8  | 9694.7  |
| 25°   | 8984.8 | 9026.9 | 9078.3 | 9110.9 | 9167.1 | 9209.2 | 9265.1 | 9325.8  | 9344.5  | 9382.0  | 9409.8  |
| 27.5° | 8672.1 | 8695.4 | 8718.8 | 8746.7 | 8779.4 | 8802.8 | 8835.5 | 8863.6  | 8882.2  | 8900.8  | 8919.5  |
| 30°   | 8177.0 | 8177.0 | 8177.0 | 8158.3 | 8172.3 | 8186.4 | 8191.0 | 8186.4  | 8186.4  | 8181.8  | 8181.8  |
| 32.5° | 7523.2 | 7485.9 | 7443.8 | 7406.5 | 7392.5 | 7373.9 | 7364.4 | 7350.4  | 7327.2  | 7313.1  | 7317.7  |
| 35°   | 6640.6 | 6556.6 | 6505.2 | 6458.5 | 6421.2 | 6393.2 | 6379.1 | 6365.1  | 6360.5  | 6341.8  | 6323.0  |
| 37.5° | 5538.6 | 5477.8 | 5440.5 | 5412.5 | 5379.8 | 5351.7 | 5356.3 | 5361.2  | 5375.0  | 5365.8  | 5370.4  |
| 40°   | 4371.0 | 4357.0 | 4371.0 | 4338.4 | 4328.9 | 4338.4 | 4361.6 | 4394.5  | 4413.1  | 4431.8  | 4464.5  |
| 42.5° | 3325.0 | 3348.2 | 3381.1 | 3381.1 | 3395.0 | 3413.8 | 3441.7 | 3493.2  | 3521.0  | 3553.7  | 3591.2  |
| 45°   | 2503.1 | 2531.1 | 2573.2 | 2587.1 | 2596.5 | 2619.7 | 2652.6 | 2694.5  | 2713.2  | 2741.2  | 2773.9  |
| 47.5° | 1928.7 | 1947.4 | 1970.6 | 1994.1 | 2017.3 | 2026.7 | 2059.4 | 2059.4  | 2082.9  | 2101.5  | 2110.7  |
| 50°   | 1503.7 | 1522.4 | 1541.0 | 1555.0 | 1564.5 | 1578.5 | 1587.7 | 1601.8  | 1606.4  | 1615.8  | 1620.4  |
| 52.5° | 1176.8 | 1200.2 | 1200.2 | 1209.4 | 1223.5 | 1237.5 | 1232.9 | 1237.5  | 1242.1  | 1242.1  | 1256.1  |
| 55°   | 920.0  | 920.0  | 934.0  | 934.0  | 943.4  | 938.6  | 943.4  | 943.4   | 943.4   | 943.4   | 948.0   |
| 57.5° | 686.4  | 691.2  | 705.2  | 695.8  | 691.2  | 700.4  | 691.2  | 700.4   | 695.8   | 705.2   | 691.2   |
| 60°   | 527.6  | 527.6  | 532.4  | 532.4  | 537.1  | 537.1  | 537.1  | 532.4   | 532.4   | 527.6   | 527.6   |
| 62.5° | 396.9  | 401.5  | 406.3  | 401.5  | 401.5  | 401.5  | 396.9  | 396.9   | 392.3   | 387.5   | 387.5   |
| 65°   | 266.2  | 261.6  | 270.8  | 261.6  | 266.2  | 266.2  | 261.6  | 266.2   | 252.2   | 256.8   | 252.2   |
| 67.5° | 191.4  | 186.8  | 182.2  | 186.8  | 182.2  | 177.4  | 177.4  | 182.2   | 186.8   | 172.8   | 172.8   |
| 70°   | 126.1  | 130.7  | 126.1  | 130.7  | 135.5  | 135.5  | 130.7  | 126.1   | 130.7   | 121.5   | 126.1   |
| 72.5° | 79.4   | 79.4   | 79.4   | 79.4   | 79.4   | 84.0   | 84.0   | 84.0    | 74.8    | 74.8    | 70.0    |
| 75°   | 37.3   | 51.3   | 42.1   | 37.3   | 51.3   | 51.3   | 46.7   | 46.7    | 42.1    | 42.1    | 42.1    |
| 77.5° | 37.3   | 28.1   | 28.1   | 28.1   | 28.1   | 28.1   | 28.1   | 28.1    | 23.3    | 28.1    | 23.3    |
| 80°   | 18.6   | 18.6   | 18.6   | 14.0   | 18.6   | 18.6   | 23.3   | 18.6    | 18.6    | 14.0    | 23.3    |
| 82.5° | 9.4    | 9.4    | 9.4    | 0.0    | 4.6    | 9.4    | 9.4    | 4.6     | 9.4     | 9.4     | 4.6     |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |





TEST NUMBER: P248674

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

|       | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9564.0  | 9564.0  | 9564.0  | 9564.0  | 9564.0  | 9564.0  | 9564.0  | 9564.0  | 9564.0  | 9564.0  | 9564.0  |
| 2.5°  | 9671.4  | 9666.8  | 9671.4  | 9676.1  | 9671.4  | 9666.8  | 9671.4  | 9676.1  | 9657.4  | 9652.8  | 9662.0  |
| 5°    | 9876.9  | 9876.9  | 9886.2  | 9891.0  | 9886.2  | 9876.9  | 9876.9  | 9858.3  | 9844.3  | 9830.2  | 9825.6  |
| 7.5°  | 10054.3 | 10063.8 | 10073.0 | 10077.6 | 10073.0 | 10063.8 | 10054.3 | 10026.3 | 9998.2  | 9975.0  | 9956.3  |
| 10°   | 10161.8 | 10175.8 | 10194.5 | 10203.7 | 10194.5 | 10175.8 | 10161.8 | 10129.1 | 10091.6 | 10054.3 | 10026.3 |
| 12.5° | 10208.5 | 10222.5 | 10245.8 | 10241.2 | 10245.8 | 10222.5 | 10208.5 | 10161.8 | 10119.7 | 10068.4 | 10026.3 |
| 15°   | 10175.8 | 10194.5 | 10217.7 | 10227.1 | 10217.7 | 10194.5 | 10175.8 | 10129.1 | 10091.6 | 10035.7 | 9993.6  |
| 17.5° | 10073.0 | 10101.1 | 10115.1 | 10129.1 | 10115.1 | 10101.1 | 10073.0 | 10035.7 | 9984.4  | 9937.7  | 9895.6  |
| 20°   | 9932.9  | 9951.7  | 9970.3  | 9975.0  | 9970.3  | 9951.7  | 9932.9  | 9891.0  | 9811.6  | 9802.2  | 9769.5  |
| 22.5° | 9732.2  | 9746.2  | 9788.1  | 9774.1  | 9788.1  | 9746.2  | 9732.2  | 9694.7  | 9666.8  | 9615.3  | 9582.6  |
| 25°   | 9442.5  | 9456.5  | 9461.4  | 9466.0  | 9461.4  | 9456.5  | 9442.5  | 9409.8  | 9382.0  | 9344.5  | 9325.8  |
| 27.5° | 8942.9  | 8942.9  | 8952.2  | 8957.0  | 8952.2  | 8942.9  | 8942.9  | 8919.5  | 8900.8  | 8882.2  | 8863.6  |
| 30°   | 8186.4  | 8186.4  | 8186.4  | 8209.8  | 8186.4  | 8186.4  | 8186.4  | 8181.8  | 8181.8  | 8186.4  | 8186.4  |
| 32.5° | 7313.1  | 7303.7  | 7294.5  | 7303.7  | 7294.5  | 7303.7  | 7313.1  | 7317.7  | 7313.1  | 7327.2  | 7350.4  |
| 35°   | 6323.0  | 6318.4  | 6332.4  | 6313.8  | 6332.4  | 6318.4  | 6323.0  | 6323.0  | 6341.8  | 6360.5  | 6365.1  |
| 37.5° | 5375.0  | 5365.8  | 5384.4  | 5365.8  | 5384.4  | 5365.8  | 5375.0  | 5370.4  | 5365.8  | 5375.0  | 5361.2  |
| 40°   | 4473.9  | 4483.1  | 4483.1  | 4520.6  | 4483.1  | 4483.1  | 4473.9  | 4464.5  | 4431.8  | 4413.1  | 4394.5  |
| 42.5° | 3609.9  | 3637.9  | 3628.5  | 3656.6  | 3628.5  | 3637.9  | 3609.9  | 3591.2  | 3553.7  | 3521.0  | 3493.2  |
| 45°   | 2792.5  | 2811.4  | 2811.4  | 2820.6  | 2811.4  | 2811.4  | 2792.5  | 2773.9  | 2741.2  | 2713.2  | 2694.5  |
| 47.5° | 2143.4  | 2143.4  | 2143.4  | 2148.2  | 2143.4  | 2143.4  | 2143.4  | 2110.7  | 2101.5  | 2082.9  | 2059.4  |
| 50°   | 1629.8  | 1634.4  | 1639.2  | 1643.8  | 1639.2  | 1634.4  | 1629.8  | 1620.4  | 1615.8  | 1606.4  | 1601.8  |
| 52.5° | 1251.5  | 1256.1  | 1246.9  | 1256.1  | 1246.9  | 1256.1  | 1251.5  | 1256.1  | 1242.1  | 1242.1  | 1237.5  |
| 55°   | 948.0   | 943.4   | 948.0   | 952.6   | 948.0   | 943.4   | 948.0   | 948.0   | 943.4   | 943.4   | 943.4   |
| 57.5° | 695.8   | 686.4   | 686.4   | 686.4   | 686.4   | 686.4   | 695.8   | 691.2   | 705.2   | 695.8   | 700.4   |
| 60°   | 518.4   | 523.0   | 523.0   | 527.6   | 523.0   | 523.0   | 518.4   | 527.6   | 527.6   | 532.4   | 532.4   |
| 62.5° | 382.9   | 396.9   | 387.5   | 396.9   | 387.5   | 396.9   | 382.9   | 387.5   | 387.5   | 392.3   | 396.9   |
| 65°   | 247.6   | 247.6   | 247.6   | 252.2   | 247.6   | 247.6   | 247.6   | 252.2   | 256.8   | 252.2   | 266.2   |
| 67.5° | 168.2   | 172.8   | 182.2   | 177.4   | 182.2   | 172.8   | 168.2   | 172.8   | 172.8   | 186.8   | 182.2   |
| 70°   | 135.5   | 121.5   | 121.5   | 135.5   | 121.5   | 121.5   | 135.5   | 126.1   | 121.5   | 130.7   | 126.1   |
| 72.5° | 79.4    | 70.0    | 79.4    | 79.4    | 79.4    | 70.0    | 79.4    | 70.0    | 74.8    | 74.8    | 84.0    |
| 75°   | 42.1    | 37.3    | 32.7    | 46.7    | 32.7    | 37.3    | 42.1    | 42.1    | 42.1    | 42.1    | 46.7    |
| 77.5° | 28.1    | 23.3    | 32.7    | 32.7    | 32.7    | 23.3    | 28.1    | 23.3    | 28.1    | 23.3    | 28.1    |
| 80°   | 14.0    | 18.6    | 14.0    | 23.3    | 14.0    | 18.6    | 14.0    | 23.3    | 14.0    | 18.6    | 18.6    |
| 82.5° | 4.6     | 9.4     | 9.4     | 9.4     | 9.4     | 9.4     | 4.6     | 4.6     | 9.4     | 9.4     | 4.6     |
| 85°   | 0.0     | 9.4     | 4.6     | 4.6     | 4.6     | 9.4     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 4.6     | 0.0     | 0.0     | 4.6     | 0.0     | 0.0     | 4.6     | 0.0     | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



TEST NUMBER: P248674

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 |
| 2.5°  | 9662.0 | 9648.0 | 9652.8 | 9624.7 | 9624.7 | 9615.3 | 9620.1 | 9596.7 | 9587.4 | 9578.0 | 9592.1 |
| 5°    | 9802.2 | 9778.9 | 9760.1 | 9718.2 | 9694.7 | 9666.8 | 9652.8 | 9615.3 | 9582.6 | 9554.6 | 9550.0 |
| 7.5°  | 9914.2 | 9862.9 | 9830.2 | 9774.1 | 9732.2 | 9699.5 | 9652.8 | 9601.3 | 9559.4 | 9521.9 | 9494.0 |
| 10°   | 9960.9 | 9909.6 | 9858.3 | 9788.1 | 9741.4 | 9680.7 | 9634.0 | 9568.6 | 9512.7 | 9461.4 | 9428.5 |
| 12.5° | 9965.5 | 9900.2 | 9853.5 | 9774.1 | 9713.4 | 9648.0 | 9596.7 | 9521.9 | 9456.5 | 9405.2 | 9353.9 |
| 15°   | 9923.6 | 9862.9 | 9806.8 | 9722.8 | 9662.0 | 9601.3 | 9540.7 | 9461.4 | 9400.6 | 9339.9 | 9302.6 |
| 17.5° | 9830.2 | 9774.1 | 9708.7 | 9629.4 | 9573.4 | 9517.3 | 9451.9 | 9386.6 | 9316.4 | 9251.1 | 9204.4 |
| 20°   | 9708.7 | 9648.0 | 9592.1 | 9512.7 | 9466.0 | 9405.2 | 9344.5 | 9274.5 | 9218.4 | 9153.0 | 9101.7 |
| 22.5° | 9526.7 | 9470.6 | 9419.3 | 9372.5 | 9297.8 | 9251.1 | 9209.2 | 9129.8 | 9073.6 | 9012.9 | 8957.0 |
| 25°   | 9265.1 | 9209.2 | 9167.1 | 9110.9 | 9078.3 | 9026.9 | 8984.8 | 8914.9 | 8863.6 | 8807.4 | 8760.7 |
| 27.5° | 8835.5 | 8802.8 | 8779.4 | 8746.7 | 8718.8 | 8695.4 | 8672.1 | 8616.0 | 8578.7 | 8527.4 | 8480.7 |
| 30°   | 8191.0 | 8186.4 | 8172.3 | 8158.3 | 8177.0 | 8177.0 | 8177.0 | 8167.7 | 8135.0 | 8097.6 | 8064.9 |
| 32.5° | 7364.4 | 7373.9 | 7392.5 | 7406.5 | 7443.8 | 7485.9 | 7523.2 | 7541.9 | 7541.9 | 7518.6 | 7504.6 |
| 35°   | 6379.1 | 6393.2 | 6421.2 | 6458.5 | 6505.2 | 6556.6 | 6640.6 | 6659.4 | 6673.2 | 6673.2 | 6654.6 |
| 37.5° | 5356.3 | 5351.7 | 5379.8 | 5412.5 | 5440.5 | 5477.8 | 5538.6 | 5552.6 | 5575.9 | 5566.6 | 5547.8 |
| 40°   | 4361.6 | 4338.4 | 4328.9 | 4338.4 | 4371.0 | 4357.0 | 4371.0 | 4361.6 | 4361.6 | 4328.9 | 4328.9 |
| 42.5° | 3441.7 | 3413.8 | 3395.0 | 3381.1 | 3381.1 | 3348.2 | 3325.0 | 3301.7 | 3287.7 | 3264.2 | 3259.6 |
| 45°   | 2652.6 | 2619.7 | 2596.5 | 2587.1 | 2573.2 | 2531.1 | 2503.1 | 2475.0 | 2442.3 | 2433.1 | 2437.7 |
| 47.5° | 2059.4 | 2026.7 | 2017.3 | 1994.1 | 1970.6 | 1947.4 | 1928.7 | 1896.0 | 1891.2 | 1872.6 | 1891.2 |
| 50°   | 1587.7 | 1578.5 | 1564.5 | 1555.0 | 1541.0 | 1522.4 | 1503.7 | 1485.1 | 1475.7 | 1475.7 | 1480.3 |
| 52.5° | 1232.9 | 1237.5 | 1223.5 | 1209.4 | 1200.2 | 1200.2 | 1176.8 | 1172.1 | 1172.1 | 1153.5 | 1172.1 |
| 55°   | 943.4  | 938.6  | 943.4  | 934.0  | 934.0  | 920.0  | 920.0  | 905.9  | 905.9  | 891.9  | 901.3  |
| 57.5° | 691.2  | 700.4  | 691.2  | 695.8  | 705.2  | 691.2  | 686.4  | 672.4  | 681.8  | 672.4  | 677.2  |
| 60°   | 537.1  | 537.1  | 537.1  | 532.4  | 532.4  | 527.6  | 527.6  | 523.0  | 523.0  | 513.6  | 523.0  |
| 62.5° | 396.9  | 401.5  | 401.5  | 401.5  | 406.3  | 401.5  | 396.9  | 401.5  | 396.9  | 396.9  | 401.5  |
| 65°   | 261.6  | 266.2  | 266.2  | 261.6  | 270.8  | 261.6  | 266.2  | 270.8  | 275.4  | 270.8  | 275.4  |
| 67.5° | 177.4  | 177.4  | 182.2  | 186.8  | 182.2  | 186.8  | 191.4  | 186.8  | 191.4  | 200.9  | 191.4  |
| 70°   | 130.7  | 135.5  | 135.5  | 130.7  | 126.1  | 130.7  | 126.1  | 140.1  | 140.1  | 140.1  | 149.4  |
| 72.5° | 84.0   | 84.0   | 79.4   | 79.4   | 79.4   | 79.4   | 79.4   | 93.4   | 84.0   | 79.4   | 88.8   |
| 75°   | 46.7   | 51.3   | 51.3   | 37.3   | 42.1   | 51.3   | 37.3   | 42.1   | 56.1   | 46.7   | 56.1   |
| 77.5° | 28.1   | 28.1   | 28.1   | 28.1   | 28.1   | 28.1   | 37.3   | 32.7   | 32.7   | 32.7   | 37.3   |
| 80°   | 23.3   | 18.6   | 18.6   | 14.0   | 18.6   | 18.6   | 18.6   | 28.1   | 23.3   | 23.3   | 28.1   |
| 82.5° | 9.4    | 9.4    | 4.6    | 0.0    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 18.6   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.6    | 4.6    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 9.4    | 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: P248674

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 |
| 2.5°  | 9554.6 | 9554.6 | 9550.0 | 9540.7 | 9521.9 | 9521.9 | 9517.3 | 9503.3 | 9494.0 | 9489.2 | 9489.2 |
| 5°    | 9507.9 | 9489.2 | 9470.6 | 9419.3 | 9419.3 | 9409.8 | 9382.0 | 9363.1 | 9353.9 | 9330.5 | 9321.2 |
| 7.5°  | 9466.0 | 9409.8 | 9377.2 | 9344.5 | 9302.6 | 9283.7 | 9251.1 | 9237.0 | 9204.4 | 9181.1 | 9167.1 |
| 10°   | 9363.1 | 9325.8 | 9283.7 | 9232.4 | 9199.7 | 9162.5 | 9125.0 | 9097.1 | 9055.0 | 9031.6 | 9012.9 |
| 12.5° | 9293.2 | 9237.0 | 9199.7 | 9143.6 | 9087.7 | 9055.0 | 9003.7 | 8971.0 | 8928.9 | 8882.2 | 8854.1 |
| 15°   | 9227.8 | 9167.1 | 9115.7 | 9055.0 | 8994.3 | 8957.0 | 8896.2 | 8858.9 | 8798.2 | 8751.5 | 8718.8 |
| 17.5° | 9129.8 | 9078.3 | 9022.3 | 8947.6 | 8891.6 | 8844.9 | 8779.4 | 8732.8 | 8676.7 | 8616.0 | 8583.3 |
| 20°   | 9026.9 | 8966.2 | 8910.3 | 8835.5 | 8779.4 | 8723.4 | 8658.1 | 8606.8 | 8541.2 | 8485.3 | 8448.0 |
| 22.5° | 8891.6 | 8821.5 | 8774.7 | 8700.0 | 8634.6 | 8574.1 | 8513.3 | 8452.6 | 8391.9 | 8345.1 | 8303.0 |
| 25°   | 8695.4 | 8620.6 | 8569.3 | 8508.5 | 8448.0 | 8401.3 | 8326.5 | 8289.2 | 8228.5 | 8186.4 | 8144.3 |
| 27.5° | 8415.1 | 8359.2 | 8312.5 | 8251.7 | 8200.4 | 8163.1 | 8107.0 | 8069.7 | 8018.2 | 7980.9 | 7948.2 |
| 30°   | 8004.3 | 7957.6 | 7915.5 | 7854.8 | 7817.5 | 7784.8 | 7733.3 | 7700.6 | 7663.3 | 7621.2 | 7612.0 |
| 32.5° | 7453.3 | 7415.8 | 7373.9 | 7331.8 | 7303.7 | 7285.1 | 7243.0 | 7224.3 | 7187.0 | 7163.6 | 7140.3 |
| 35°   | 6621.9 | 6589.2 | 6566.0 | 6547.3 | 6537.9 | 6542.5 | 6533.3 | 6551.9 | 6561.2 | 6556.6 | 6561.2 |
| 37.5° | 5534.0 | 5515.1 | 5524.5 | 5538.6 | 5585.3 | 5646.0 | 5702.0 | 5786.0 | 5842.1 | 5898.2 | 5949.5 |
| 40°   | 4319.7 | 4333.7 | 4371.0 | 4455.0 | 4576.5 | 4712.0 | 4838.1 | 4996.9 | 5155.7 | 5267.7 | 5370.4 |
| 42.5° | 3259.6 | 3301.7 | 3395.0 | 3516.4 | 3698.7 | 3899.3 | 4095.6 | 4328.9 | 4520.6 | 4707.2 | 4838.1 |
| 45°   | 2451.7 | 2507.7 | 2629.2 | 2797.3 | 2998.0 | 3231.6 | 3479.1 | 3740.6 | 3969.5 | 4160.9 | 4305.7 |
| 47.5° | 1910.1 | 1961.4 | 2082.9 | 2260.3 | 2507.7 | 2750.6 | 3007.4 | 3278.3 | 3516.4 | 3703.3 | 3829.4 |
| 50°   | 1508.3 | 1573.7 | 1681.1 | 1868.0 | 2115.6 | 2372.4 | 2638.6 | 2904.6 | 3128.9 | 3287.7 | 3399.8 |
| 52.5° | 1186.2 | 1246.9 | 1349.6 | 1545.8 | 1798.0 | 2054.8 | 2302.2 | 2563.8 | 2759.9 | 2914.0 | 2988.8 |
| 55°   | 920.0  | 976.1  | 1083.3 | 1246.9 | 1485.1 | 1737.3 | 1984.7 | 2209.0 | 2391.0 | 2503.1 | 2573.2 |
| 57.5° | 700.4  | 742.5  | 817.3  | 980.7  | 1195.6 | 1428.9 | 1639.2 | 1863.4 | 2003.5 | 2082.9 | 2129.4 |
| 60°   | 532.4  | 565.1  | 644.5  | 770.6  | 966.7  | 1167.5 | 1344.9 | 1513.1 | 1625.2 | 1690.6 | 1737.3 |
| 62.5° | 401.5  | 439.0  | 495.0  | 602.4  | 751.8  | 915.3  | 1064.7 | 1190.8 | 1284.2 | 1326.3 | 1359.0 |
| 65°   | 275.4  | 303.5  | 345.6  | 429.6  | 555.7  | 672.4  | 789.2  | 882.7  | 943.4  | 990.1  | 1008.8 |
| 67.5° | 205.5  | 224.1  | 247.6  | 312.9  | 401.5  | 495.0  | 574.3  | 639.7  | 705.2  | 723.9  | 756.6  |
| 70°   | 154.2  | 168.2  | 191.4  | 238.2  | 289.5  | 354.8  | 420.4  | 457.7  | 504.4  | 537.1  | 546.5  |
| 72.5° | 98.0   | 102.6  | 126.1  | 154.2  | 196.1  | 238.2  | 280.3  | 312.9  | 341.0  | 359.6  | 368.9  |
| 75°   | 56.1   | 84.0   | 84.0   | 112.1  | 140.1  | 158.8  | 186.8  | 210.1  | 224.1  | 238.2  | 238.2  |
| 77.5° | 37.3   | 51.3   | 56.1   | 70.0   | 84.0   | 107.4  | 130.7  | 144.7  | 158.8  | 163.4  | 163.4  |
| 80°   | 32.7   | 37.3   | 37.3   | 51.3   | 60.7   | 79.4   | 93.4   | 98.0   | 107.4  | 112.1  | 121.5  |
| 82.5° | 14.0   | 18.6   | 23.3   | 37.3   | 42.1   | 42.1   | 56.1   | 60.7   | 70.0   | 74.8   | 74.8   |
| 85°   | 4.6    | 9.4    | 9.4    | 14.0   | 23.3   | 28.1   | 32.7   | 37.3   | 42.1   | 42.1   | 46.7   |
| 87.5° | 4.6    | 4.6    | 0.0    | 4.6    | 9.4    | 9.4    | 18.6   | 18.6   | 18.6   | 28.1   | 28.1   |
| 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: P248674

CATALOG NUMBER: LSR8B150D010 EC8B150835 8LBSW0WMH

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 | 9564.0 |
| 2.5°  | 9480.0 | 9484.6 | 9466.0 | 9461.4 | 9451.9 | 9456.5 | 9466.0 |
| 5°    | 9307.2 | 9311.8 | 9293.2 | 9274.5 | 9274.5 | 9269.7 | 9274.5 |
| 7.5°  | 9143.6 | 9148.4 | 9120.4 | 9110.9 | 9092.3 | 9097.1 | 9097.1 |
| 10°   | 8980.2 | 8980.2 | 8938.3 | 8933.5 | 8919.5 | 8914.9 | 8914.9 |
| 12.5° | 8821.5 | 8807.4 | 8774.7 | 8756.1 | 8765.5 | 8737.5 | 8737.5 |
| 15°   | 8681.3 | 8658.1 | 8616.0 | 8601.9 | 8578.7 | 8569.3 | 8569.3 |
| 17.5° | 8536.6 | 8517.9 | 8480.7 | 8452.6 | 8424.5 | 8419.9 | 8424.5 |
| 20°   | 8396.5 | 8377.8 | 8331.1 | 8312.5 | 8289.2 | 8289.2 | 8279.8 |
| 22.5° | 8256.3 | 8237.7 | 8195.8 | 8181.8 | 8149.1 | 8149.1 | 8153.7 |
| 25°   | 8111.6 | 8097.6 | 8050.9 | 8041.6 | 8037.0 | 8018.2 | 8027.6 |
| 27.5° | 7915.5 | 7906.1 | 7868.8 | 7854.8 | 7836.1 | 7831.5 | 7840.8 |
| 30°   | 7555.9 | 7541.9 | 7514.0 | 7500.0 | 7467.3 | 7471.9 | 7481.1 |
| 32.5° | 7107.6 | 7089.0 | 7051.5 | 7037.5 | 7009.6 | 7000.2 | 7004.8 |
| 35°   | 6547.3 | 6533.3 | 6500.6 | 6500.6 | 6472.6 | 6463.1 | 6472.6 |
| 37.5° | 5977.6 | 5991.4 | 5977.6 | 5991.4 | 5977.6 | 5972.8 | 5977.6 |
| 40°   | 5440.5 | 5491.9 | 5501.1 | 5552.6 | 5534.0 | 5561.8 | 5557.2 |
| 42.5° | 4926.7 | 5010.7 | 5043.6 | 5085.5 | 5076.3 | 5094.9 | 5109.0 |
| 45°   | 4408.3 | 4478.5 | 4511.2 | 4539.2 | 4543.8 | 4553.3 | 4557.9 |
| 47.5° | 3918.0 | 3974.1 | 3978.7 | 4011.4 | 4006.8 | 4006.8 | 4020.8 |
| 50°   | 3460.5 | 3497.8 | 3507.0 | 3530.5 | 3511.8 | 3502.4 | 3507.0 |
| 52.5° | 3035.5 | 3072.8 | 3063.4 | 3072.8 | 3049.5 | 3040.1 | 3044.7 |
| 55°   | 2601.1 | 2619.7 | 2619.7 | 2619.7 | 2591.9 | 2591.9 | 2591.9 |
| 57.5° | 2157.5 | 2162.3 | 2152.8 | 2157.5 | 2152.8 | 2124.8 | 2120.2 |
| 60°   | 1751.3 | 1751.3 | 1746.5 | 1751.3 | 1737.3 | 1723.2 | 1723.2 |
| 62.5° | 1368.2 | 1377.6 | 1396.3 | 1377.6 | 1368.2 | 1377.6 | 1363.6 |
| 65°   | 1022.8 | 1041.4 | 1036.6 | 1046.1 | 1041.4 | 1041.4 | 1032.0 |
| 67.5° | 770.6  | 775.2  | 779.8  | 784.6  | 784.6  | 784.6  | 784.6  |
| 70°   | 565.1  | 579.2  | 574.3  | 574.3  | 574.3  | 574.3  | 602.4  |
| 72.5° | 378.3  | 396.9  | 392.3  | 401.5  | 401.5  | 411.0  | 401.5  |
| 75°   | 256.8  | 275.4  | 266.2  | 280.3  | 275.4  | 266.2  | 289.5  |
| 77.5° | 172.8  | 182.2  | 186.8  | 191.4  | 186.8  | 182.2  | 186.8  |
| 80°   | 121.5  | 130.7  | 126.1  | 130.7  | 130.7  | 130.7  | 135.5  |
| 82.5° | 74.8   | 88.8   | 84.0   | 88.8   | 84.0   | 88.8   | 88.8   |
| 85°   | 51.3   | 56.1   | 46.7   | 56.1   | 51.3   | 51.3   | 60.7   |
| 87.5° | 32.7   | 28.1   | 28.1   | 32.7   | 28.1   | 32.7   | 28.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)