

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: P248843

Luminaire Tested: **LD8B100D010 ER8B100950 8LBSW0GPH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P248843  
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: LD8B100D010 ER8B100950 8LBSW0GPH  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
90 CRI 5000 CCT WITH GRAPHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9283.0 lumens  
Efficiency: N/A  
Efficacy: 87.3 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

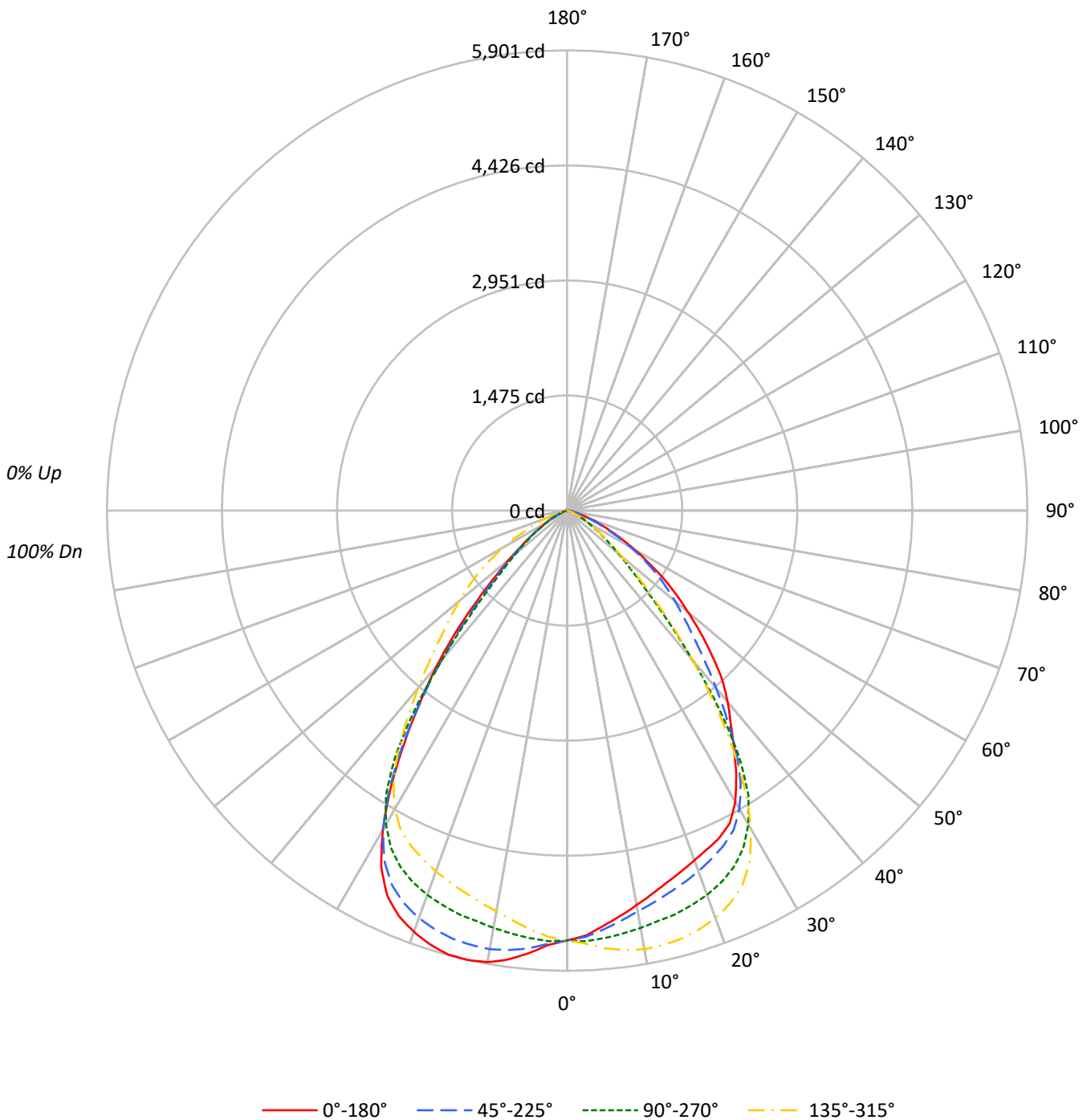
Input Watts (W): 106.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

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

|     | 0°     | 90°    | 180°   | 270°   |
|-----|--------|--------|--------|--------|
| 0°  | 169939 | 169939 | 169939 | 169939 |
| 5°  | 165425 | 170337 | 176420 | 170337 |
| 10° | 160850 | 170115 | 184102 | 170115 |
| 15° | 157635 | 171126 | 188132 | 171126 |
| 20° | 156562 | 172103 | 188616 | 172103 |
| 25° | 157385 | 171761 | 185584 | 171761 |
| 30° | 153493 | 165471 | 168445 | 165471 |
| 35° | 140402 | 144347 | 136957 | 144347 |
| 40° | 128901 | 100409 | 104858 | 100409 |
| 45° | 114535 | 61258  | 70878  | 61258  |
| 50° | 96943  | 40921  | 45440  | 40921  |
| 55° | 80293  | 27924  | 29510  | 27924  |
| 60° | 61241  | 18588  | 18748  | 18588  |
| 65° | 43392  | 11580  | 10602  | 11580  |
| 70° | 31294  | 7763   | 7041   | 7763   |
| 75° | 19873  | 3848   | 3205   | 3848   |
| 80° | 13869  | 2877   | 2380   | 2877   |
| 85° | 12383  | 0      | 955    | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 524.5  | 5.7       |
| 10°-20°   | 1519.0 | 16.4      |
| 20°-30°   | 2300.1 | 24.8      |
| 30°-40°   | 2305.2 | 24.8      |
| 40°-50°   | 1447.6 | 15.6      |
| 50°-60°   | 771.4  | 8.3       |
| 60°-70°   | 317.2  | 3.4       |
| 70°-80°   | 83.8   | 0.9       |
| 80°-90°   | 14.2   | 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°    | 4343.6 | 46.8      |
| 0°-40°    | 6648.8 | 71.6      |
| 0°-60°    | 8867.8 | 95.5      |
| 0°-90°    | 9283.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9283.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 90°  | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 5511 | 5511 | 5511 | 5511 | 5511 |      |
| 5°  | 5344 | 5503 | 5699 | 5503 | 5344 | 504  |
| 15° | 4938 | 5360 | 5893 | 5360 | 4938 | 1397 |
| 25° | 4626 | 5048 | 5454 | 5048 | 4626 | 2122 |
| 35° | 3730 | 3834 | 3638 | 3834 | 3730 | 2337 |
| 45° | 2626 | 1405 | 1625 | 1405 | 2626 | 2020 |
| 55° | 1494 | 519  | 549  | 519  | 1494 | 1332 |
| 65° | 595  | 159  | 145  | 159  | 595  | 617  |
| 75° | 167  | 32   | 27   | 32   | 167  | 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°    | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 |
| 2.5°  | 5454.5 | 5449.1 | 5446.4 | 5451.9 | 5454.5 | 5465.3 | 5462.6 | 5467.9 | 5467.9 | 5470.7 | 5476.0 |
| 5°    | 5344.2 | 5341.4 | 5344.2 | 5344.2 | 5355.0 | 5365.7 | 5363.0 | 5371.1 | 5376.4 | 5390.0 | 5395.3 |
| 7.5°  | 5242.0 | 5242.0 | 5239.2 | 5250.0 | 5255.4 | 5271.6 | 5268.8 | 5282.3 | 5290.4 | 5303.8 | 5322.6 |
| 10°   | 5137.0 | 5137.0 | 5139.6 | 5147.7 | 5150.5 | 5174.6 | 5174.6 | 5193.5 | 5204.2 | 5217.7 | 5242.0 |
| 12.5° | 5034.8 | 5034.8 | 5050.9 | 5045.5 | 5056.2 | 5075.1 | 5083.2 | 5102.0 | 5118.2 | 5145.1 | 5169.3 |
| 15°   | 4937.8 | 4937.8 | 4943.3 | 4956.7 | 4964.7 | 4989.0 | 5002.4 | 5024.0 | 5042.8 | 5069.8 | 5104.8 |
| 17.5° | 4854.4 | 4851.8 | 4854.4 | 4870.6 | 4886.8 | 4908.3 | 4919.0 | 4945.9 | 4964.7 | 4999.8 | 5032.1 |
| 20°   | 4771.0 | 4776.5 | 4776.5 | 4789.9 | 4800.6 | 4827.5 | 4838.3 | 4867.9 | 4889.4 | 4921.7 | 4959.4 |
| 22.5° | 4698.4 | 4695.7 | 4695.7 | 4714.5 | 4722.6 | 4746.8 | 4757.5 | 4784.4 | 4808.7 | 4835.6 | 4870.6 |
| 25°   | 4625.7 | 4620.3 | 4631.1 | 4633.8 | 4639.1 | 4666.0 | 4674.1 | 4692.9 | 4717.2 | 4741.5 | 4776.5 |
| 27.5° | 4518.1 | 4512.7 | 4515.4 | 4526.1 | 4534.2 | 4555.7 | 4561.1 | 4580.0 | 4598.8 | 4620.3 | 4650.0 |
| 30°   | 4310.8 | 4305.5 | 4302.8 | 4321.7 | 4329.8 | 4345.8 | 4353.9 | 4386.2 | 4391.6 | 4415.8 | 4437.3 |
| 32.5° | 4036.4 | 4033.7 | 4039.1 | 4055.2 | 4063.3 | 4084.9 | 4095.6 | 4114.4 | 4127.8 | 4141.4 | 4162.8 |
| 35°   | 3729.7 | 3724.2 | 3729.7 | 3745.8 | 3745.8 | 3764.7 | 3772.7 | 3780.7 | 3778.1 | 3780.7 | 3775.4 |
| 37.5° | 3444.4 | 3441.7 | 3444.4 | 3452.4 | 3444.4 | 3452.4 | 3444.4 | 3428.3 | 3398.7 | 3366.4 | 3334.0 |
| 40°   | 3202.2 | 3204.9 | 3188.8 | 3199.6 | 3169.9 | 3164.6 | 3135.0 | 3094.6 | 3035.4 | 2970.8 | 2879.3 |
| 42.5° | 2943.9 | 2935.8 | 2925.1 | 2930.4 | 2906.3 | 2887.3 | 2838.9 | 2787.9 | 2712.4 | 2604.9 | 2494.4 |
| 45°   | 2626.4 | 2623.7 | 2618.3 | 2615.6 | 2599.4 | 2580.6 | 2540.2 | 2481.0 | 2397.6 | 2287.3 | 2155.4 |
| 47.5° | 2316.9 | 2308.8 | 2308.8 | 2311.5 | 2292.6 | 2290.0 | 2257.6 | 2206.6 | 2133.9 | 2026.3 | 1889.0 |
| 50°   | 2020.8 | 2018.2 | 2023.6 | 2034.3 | 2020.8 | 2015.5 | 1994.0 | 1959.0 | 1894.5 | 1803.0 | 1673.7 |
| 52.5° | 1754.5 | 1751.8 | 1757.2 | 1770.6 | 1765.2 | 1770.6 | 1749.1 | 1722.2 | 1679.1 | 1590.3 | 1477.3 |
| 55°   | 1493.5 | 1493.5 | 1493.5 | 1509.6 | 1509.6 | 1509.6 | 1498.8 | 1482.8 | 1442.3 | 1377.8 | 1272.9 |
| 57.5° | 1221.7 | 1224.4 | 1240.5 | 1243.2 | 1240.5 | 1246.0 | 1243.2 | 1227.0 | 1200.2 | 1154.5 | 1073.7 |
| 60°   | 993.0  | 993.0  | 1001.1 | 1009.1 | 1006.4 | 1009.1 | 1009.1 | 1001.1 | 974.1  | 936.5  | 871.9  |
| 62.5° | 785.7  | 793.8  | 788.4  | 793.8  | 804.6  | 793.8  | 788.4  | 783.1  | 764.3  | 740.0  | 686.2  |
| 65°   | 594.7  | 600.1  | 600.1  | 602.8  | 597.3  | 600.1  | 589.4  | 581.3  | 570.5  | 543.6  | 508.6  |
| 67.5° | 452.1  | 452.1  | 452.1  | 452.1  | 449.4  | 446.7  | 444.0  | 436.0  | 417.1  | 406.4  | 368.6  |
| 70°   | 347.1  | 331.0  | 331.0  | 331.0  | 331.0  | 333.7  | 325.6  | 314.9  | 309.5  | 290.6  | 263.7  |
| 72.5° | 231.4  | 236.8  | 231.4  | 231.4  | 226.1  | 228.7  | 218.0  | 212.6  | 207.2  | 196.5  | 180.3  |
| 75°   | 166.8  | 153.4  | 158.7  | 161.5  | 153.4  | 158.7  | 148.0  | 137.2  | 137.2  | 129.1  | 121.1  |
| 77.5° | 107.7  | 105.0  | 107.7  | 110.3  | 107.7  | 105.0  | 99.6   | 94.1   | 94.1   | 91.5   | 83.4   |
| 80°   | 78.1   | 75.3   | 75.3   | 75.3   | 72.7   | 75.3   | 70.0   | 70.0   | 64.6   | 61.9   | 56.5   |
| 82.5° | 51.2   | 51.2   | 48.4   | 51.2   | 48.4   | 51.2   | 43.1   | 43.1   | 43.1   | 40.3   | 35.0   |
| 85°   | 35.0   | 29.6   | 29.6   | 32.3   | 26.9   | 32.3   | 29.6   | 26.9   | 24.3   | 24.3   | 21.5   |
| 87.5° | 16.2   | 18.8   | 16.2   | 18.8   | 16.2   | 16.2   | 18.8   | 16.2   | 16.2   | 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°    | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 |
| 2.5°  | 5484.1 | 5486.8 | 5486.8 | 5497.6 | 5502.9 | 5505.6 | 5505.6 | 5527.2 | 5519.1 | 5524.5 | 5529.9 |
| 5°    | 5406.1 | 5422.2 | 5427.6 | 5427.6 | 5457.2 | 5467.9 | 5478.7 | 5502.9 | 5505.6 | 5521.8 | 5540.6 |
| 7.5°  | 5330.7 | 5349.5 | 5360.4 | 5384.5 | 5403.4 | 5422.2 | 5454.5 | 5470.7 | 5486.8 | 5508.4 | 5532.5 |
| 10°   | 5258.0 | 5279.6 | 5301.1 | 5320.0 | 5349.5 | 5373.8 | 5395.3 | 5432.9 | 5451.9 | 5481.4 | 5513.7 |
| 12.5° | 5188.2 | 5217.7 | 5236.6 | 5268.8 | 5301.1 | 5322.6 | 5355.0 | 5390.0 | 5419.5 | 5449.1 | 5486.8 |
| 15°   | 5126.2 | 5161.2 | 5182.7 | 5217.7 | 5252.7 | 5282.3 | 5317.3 | 5360.4 | 5381.9 | 5416.9 | 5451.9 |
| 17.5° | 5058.9 | 5096.7 | 5123.6 | 5155.8 | 5198.9 | 5231.1 | 5260.8 | 5303.8 | 5330.7 | 5368.4 | 5408.8 |
| 20°   | 4989.0 | 5026.7 | 5058.9 | 5091.2 | 5134.3 | 5166.6 | 5201.6 | 5244.6 | 5274.2 | 5311.9 | 5344.2 |
| 22.5° | 4905.6 | 4940.6 | 4975.5 | 5013.2 | 5056.2 | 5083.2 | 5123.6 | 5161.2 | 5193.5 | 5228.5 | 5260.8 |
| 25°   | 4797.9 | 4841.0 | 4867.9 | 4902.8 | 4937.8 | 4967.4 | 5010.5 | 5048.2 | 5075.1 | 5107.4 | 5137.0 |
| 27.5° | 4671.5 | 4703.8 | 4725.3 | 4754.9 | 4789.9 | 4816.8 | 4849.0 | 4886.8 | 4913.7 | 4943.3 | 4964.7 |
| 30°   | 4456.1 | 4485.8 | 4504.6 | 4526.1 | 4561.1 | 4585.4 | 4612.3 | 4647.2 | 4666.0 | 4687.6 | 4706.5 |
| 32.5° | 4173.6 | 4197.8 | 4208.6 | 4224.8 | 4249.0 | 4273.2 | 4294.8 | 4324.3 | 4332.4 | 4345.8 | 4345.8 |
| 35°   | 3764.7 | 3770.0 | 3767.3 | 3772.7 | 3783.5 | 3796.9 | 3815.7 | 3834.5 | 3845.3 | 3845.3 | 3837.3 |
| 37.5° | 3285.6 | 3253.4 | 3218.4 | 3191.5 | 3183.4 | 3178.0 | 3188.8 | 3196.8 | 3207.6 | 3213.0 | 3199.6 |
| 40°   | 2787.9 | 2715.2 | 2637.1 | 2567.1 | 2518.7 | 2497.2 | 2489.1 | 2494.4 | 2494.4 | 2513.3 | 2513.3 |
| 42.5° | 2360.0 | 2246.9 | 2131.3 | 2026.3 | 1956.3 | 1902.5 | 1878.3 | 1878.3 | 1880.9 | 1894.5 | 1902.5 |
| 45°   | 2004.8 | 1862.1 | 1727.5 | 1611.9 | 1515.0 | 1445.0 | 1412.8 | 1404.7 | 1402.0 | 1407.3 | 1426.2 |
| 47.5° | 1733.0 | 1585.0 | 1445.0 | 1302.4 | 1200.2 | 1130.2 | 1100.6 | 1089.8 | 1079.0 | 1089.8 | 1092.5 |
| 50°   | 1520.4 | 1367.0 | 1219.0 | 1076.4 | 968.7  | 906.8  | 869.1  | 853.0  | 850.3  | 850.3  | 855.7  |
| 52.5° | 1326.6 | 1184.0 | 1036.1 | 890.7  | 777.7  | 718.5  | 683.5  | 675.4  | 664.7  | 675.4  | 675.4  |
| 55°   | 1143.6 | 1001.1 | 855.7  | 718.5  | 624.2  | 562.4  | 530.1  | 519.4  | 513.9  | 522.0  | 522.0  |
| 57.5° | 944.6  | 823.4  | 688.9  | 565.1  | 471.0  | 427.9  | 403.6  | 390.2  | 387.4  | 392.9  | 387.4  |
| 60°   | 775.0  | 672.8  | 557.0  | 444.0  | 371.4  | 325.6  | 306.8  | 301.4  | 296.0  | 301.4  | 301.4  |
| 62.5° | 613.5  | 527.4  | 433.2  | 347.1  | 285.2  | 253.0  | 231.4  | 231.4  | 228.7  | 228.7  | 231.4  |
| 65°   | 454.8  | 387.4  | 320.2  | 247.6  | 199.1  | 174.9  | 158.7  | 158.7  | 156.1  | 158.7  | 156.1  |
| 67.5° | 331.0  | 285.2  | 231.4  | 180.3  | 142.7  | 129.1  | 118.4  | 110.3  | 115.7  | 110.3  | 107.7  |
| 70°   | 242.2  | 204.5  | 166.8  | 137.2  | 110.3  | 96.9   | 88.8   | 86.1   | 80.7   | 80.7   | 80.7   |
| 72.5° | 161.5  | 137.2  | 113.0  | 88.8   | 72.7   | 59.1   | 56.5   | 51.2   | 45.7   | 48.4   | 53.8   |
| 75°   | 107.7  | 91.5   | 80.7   | 64.6   | 48.4   | 48.4   | 32.3   | 32.3   | 26.9   | 32.3   | 24.3   |
| 77.5° | 75.3   | 61.9   | 48.4   | 40.3   | 32.3   | 29.6   | 21.5   | 21.5   | 18.8   | 18.8   | 18.8   |
| 80°   | 53.8   | 45.7   | 35.0   | 29.6   | 21.5   | 21.5   | 18.8   | 16.2   | 13.4   | 13.4   | 16.2   |
| 82.5° | 32.3   | 24.3   | 24.3   | 21.5   | 13.4   | 10.7   | 8.1    | 10.7   | 5.4    | 5.4    | 5.4    |
| 85°   | 18.8   | 16.2   | 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    |



TEST NUMBER: P248843

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 |
| 2.5°  | 5543.4 | 5540.6 | 5546.0 | 5546.0 | 5562.2 | 5559.4 | 5567.5 | 5567.5 | 5562.2 | 5564.9 | 5575.6 |
| 5°    | 5562.2 | 5570.3 | 5586.3 | 5599.9 | 5624.0 | 5634.9 | 5648.3 | 5661.8 | 5664.4 | 5672.5 | 5680.6 |
| 7.5°  | 5562.2 | 5589.1 | 5607.9 | 5632.1 | 5664.4 | 5683.3 | 5712.8 | 5737.1 | 5747.8 | 5761.2 | 5777.4 |
| 10°   | 5551.3 | 5578.3 | 5613.3 | 5640.2 | 5680.6 | 5710.2 | 5739.7 | 5777.4 | 5793.6 | 5815.1 | 5836.7 |
| 12.5° | 5529.9 | 5559.4 | 5597.1 | 5632.1 | 5677.8 | 5704.7 | 5742.4 | 5777.4 | 5801.7 | 5831.2 | 5855.5 |
| 15°   | 5497.6 | 5532.5 | 5567.5 | 5602.5 | 5650.9 | 5683.3 | 5718.3 | 5758.6 | 5782.8 | 5815.1 | 5836.7 |
| 17.5° | 5446.4 | 5484.1 | 5516.5 | 5548.7 | 5594.4 | 5632.1 | 5664.4 | 5702.1 | 5726.3 | 5753.3 | 5782.8 |
| 20°   | 5384.5 | 5419.5 | 5454.5 | 5481.4 | 5527.2 | 5559.4 | 5594.4 | 5629.4 | 5648.3 | 5653.7 | 5699.4 |
| 22.5° | 5306.6 | 5330.7 | 5357.6 | 5400.7 | 5427.6 | 5457.2 | 5489.5 | 5521.8 | 5540.6 | 5570.3 | 5586.3 |
| 25°   | 5177.3 | 5201.6 | 5231.1 | 5250.0 | 5282.3 | 5306.6 | 5338.8 | 5373.8 | 5384.5 | 5406.1 | 5422.2 |
| 27.5° | 4997.1 | 5010.5 | 5024.0 | 5040.1 | 5058.9 | 5072.4 | 5091.2 | 5107.4 | 5118.2 | 5128.9 | 5139.6 |
| 30°   | 4711.8 | 4711.8 | 4711.8 | 4701.0 | 4709.1 | 4717.2 | 4719.9 | 4717.2 | 4717.2 | 4714.5 | 4714.5 |
| 32.5° | 4335.1 | 4313.6 | 4289.3 | 4267.8 | 4259.8 | 4249.0 | 4243.6 | 4235.5 | 4222.1 | 4214.0 | 4216.7 |
| 35°   | 3826.5 | 3778.1 | 3748.5 | 3721.6 | 3700.1 | 3683.9 | 3675.8 | 3667.7 | 3665.1 | 3654.3 | 3643.5 |
| 37.5° | 3191.5 | 3156.5 | 3135.0 | 3118.8 | 3100.0 | 3083.8 | 3086.5 | 3089.2 | 3097.2 | 3091.9 | 3094.6 |
| 40°   | 2518.7 | 2510.6 | 2518.7 | 2499.9 | 2494.4 | 2499.9 | 2513.3 | 2532.2 | 2543.0 | 2553.7 | 2572.5 |
| 42.5° | 1915.9 | 1929.3 | 1948.3 | 1948.3 | 1956.3 | 1967.1 | 1983.2 | 2012.9 | 2028.9 | 2047.7 | 2069.3 |
| 45°   | 1442.3 | 1458.5 | 1482.8 | 1490.7 | 1496.2 | 1509.6 | 1528.5 | 1552.6 | 1563.4 | 1579.6 | 1598.4 |
| 47.5° | 1111.4 | 1122.1 | 1135.5 | 1149.0 | 1162.4 | 1167.9 | 1186.7 | 1186.7 | 1200.2 | 1210.9 | 1216.3 |
| 50°   | 866.5  | 877.2  | 888.0  | 896.1  | 901.5  | 909.6  | 914.9  | 923.0  | 925.6  | 931.1  | 933.7  |
| 52.5° | 678.1  | 691.6  | 691.6  | 696.9  | 705.0  | 713.1  | 710.4  | 713.1  | 715.7  | 715.7  | 723.8  |
| 55°   | 530.1  | 530.1  | 538.2  | 538.2  | 543.6  | 540.8  | 543.6  | 543.6  | 543.6  | 543.6  | 546.3  |
| 57.5° | 395.5  | 398.3  | 406.4  | 401.0  | 398.3  | 403.6  | 398.3  | 403.6  | 401.0  | 406.4  | 398.3  |
| 60°   | 304.0  | 304.0  | 306.8  | 306.8  | 309.5  | 309.5  | 309.5  | 306.8  | 306.8  | 304.0  | 304.0  |
| 62.5° | 228.7  | 231.4  | 234.1  | 231.4  | 231.4  | 231.4  | 228.7  | 228.7  | 226.1  | 223.3  | 223.3  |
| 65°   | 153.4  | 150.7  | 156.1  | 150.7  | 153.4  | 153.4  | 150.7  | 153.4  | 145.3  | 148.0  | 145.3  |
| 67.5° | 110.3  | 107.7  | 105.0  | 107.7  | 105.0  | 102.2  | 102.2  | 105.0  | 107.7  | 99.6   | 99.6   |
| 70°   | 72.7   | 75.3   | 72.7   | 75.3   | 78.1   | 78.1   | 75.3   | 72.7   | 75.3   | 70.0   | 72.7   |
| 72.5° | 45.7   | 45.7   | 45.7   | 45.7   | 45.7   | 48.4   | 48.4   | 48.4   | 43.1   | 43.1   | 40.3   |
| 75°   | 21.5   | 29.6   | 24.3   | 21.5   | 29.6   | 29.6   | 26.9   | 26.9   | 24.3   | 24.3   | 24.3   |
| 77.5° | 21.5   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 13.4   | 16.2   | 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: P248843

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 |
| 2.5°  | 5572.9 | 5570.3 | 5572.9 | 5575.6 | 5572.9 | 5570.3 | 5572.9 | 5575.6 | 5564.9 | 5562.2 | 5567.5 |
| 5°    | 5691.3 | 5691.3 | 5696.7 | 5699.4 | 5696.7 | 5691.3 | 5691.3 | 5680.6 | 5672.5 | 5664.4 | 5661.8 |
| 7.5°  | 5793.6 | 5799.0 | 5804.3 | 5807.0 | 5804.3 | 5799.0 | 5793.6 | 5777.4 | 5761.2 | 5747.8 | 5737.1 |
| 10°   | 5855.5 | 5863.6 | 5874.3 | 5879.6 | 5874.3 | 5863.6 | 5855.5 | 5836.7 | 5815.1 | 5793.6 | 5777.4 |
| 12.5° | 5882.4 | 5890.5 | 5903.9 | 5901.2 | 5903.9 | 5890.5 | 5882.4 | 5855.5 | 5831.2 | 5801.7 | 5777.4 |
| 15°   | 5863.6 | 5874.3 | 5887.7 | 5893.1 | 5887.7 | 5874.3 | 5863.6 | 5836.7 | 5815.1 | 5782.8 | 5758.6 |
| 17.5° | 5804.3 | 5820.5 | 5828.6 | 5836.7 | 5828.6 | 5820.5 | 5804.3 | 5782.8 | 5753.3 | 5726.3 | 5702.1 |
| 20°   | 5723.6 | 5734.4 | 5745.2 | 5747.8 | 5745.2 | 5734.4 | 5723.6 | 5699.4 | 5653.7 | 5648.3 | 5629.4 |
| 22.5° | 5607.9 | 5616.0 | 5640.2 | 5632.1 | 5640.2 | 5616.0 | 5607.9 | 5586.3 | 5570.3 | 5540.6 | 5521.8 |
| 25°   | 5441.0 | 5449.1 | 5451.9 | 5454.5 | 5451.9 | 5449.1 | 5441.0 | 5422.2 | 5406.1 | 5384.5 | 5373.8 |
| 27.5° | 5153.2 | 5153.2 | 5158.5 | 5161.2 | 5158.5 | 5153.2 | 5153.2 | 5139.6 | 5128.9 | 5118.2 | 5107.4 |
| 30°   | 4717.2 | 4717.2 | 4717.2 | 4730.7 | 4717.2 | 4717.2 | 4717.2 | 4714.5 | 4714.5 | 4717.2 | 4717.2 |
| 32.5° | 4214.0 | 4208.6 | 4203.3 | 4208.6 | 4203.3 | 4208.6 | 4214.0 | 4216.7 | 4214.0 | 4222.1 | 4235.5 |
| 35°   | 3643.5 | 3640.8 | 3648.9 | 3638.2 | 3648.9 | 3640.8 | 3643.5 | 3643.5 | 3654.3 | 3665.1 | 3667.7 |
| 37.5° | 3097.2 | 3091.9 | 3102.6 | 3091.9 | 3102.6 | 3091.9 | 3097.2 | 3094.6 | 3091.9 | 3097.2 | 3089.2 |
| 40°   | 2578.0 | 2583.3 | 2583.3 | 2604.9 | 2583.3 | 2583.3 | 2578.0 | 2572.5 | 2553.7 | 2543.0 | 2532.2 |
| 42.5° | 2080.1 | 2096.3 | 2090.8 | 2107.0 | 2090.8 | 2096.3 | 2080.1 | 2069.3 | 2047.7 | 2028.9 | 2012.9 |
| 45°   | 1609.1 | 1620.0 | 1620.0 | 1625.3 | 1620.0 | 1620.0 | 1609.1 | 1598.4 | 1579.6 | 1563.4 | 1552.6 |
| 47.5° | 1235.1 | 1235.1 | 1235.1 | 1237.9 | 1235.1 | 1235.1 | 1235.1 | 1216.3 | 1210.9 | 1200.2 | 1186.7 |
| 50°   | 939.1  | 941.8  | 944.6  | 947.2  | 944.6  | 941.8  | 939.1  | 933.7  | 931.1  | 925.6  | 923.0  |
| 52.5° | 721.2  | 723.8  | 718.5  | 723.8  | 718.5  | 723.8  | 721.2  | 723.8  | 715.7  | 715.7  | 713.1  |
| 55°   | 546.3  | 543.6  | 546.3  | 548.9  | 546.3  | 543.6  | 546.3  | 546.3  | 543.6  | 543.6  | 543.6  |
| 57.5° | 401.0  | 395.5  | 395.5  | 395.5  | 395.5  | 395.5  | 401.0  | 398.3  | 406.4  | 401.0  | 403.6  |
| 60°   | 298.7  | 301.4  | 301.4  | 304.0  | 301.4  | 301.4  | 298.7  | 304.0  | 304.0  | 306.8  | 306.8  |
| 62.5° | 220.6  | 228.7  | 223.3  | 228.7  | 223.3  | 228.7  | 220.6  | 223.3  | 223.3  | 226.1  | 228.7  |
| 65°   | 142.7  | 142.7  | 142.7  | 145.3  | 142.7  | 142.7  | 142.7  | 145.3  | 148.0  | 145.3  | 153.4  |
| 67.5° | 96.9   | 99.6   | 105.0  | 102.2  | 105.0  | 99.6   | 96.9   | 99.6   | 99.6   | 107.7  | 105.0  |
| 70°   | 78.1   | 70.0   | 70.0   | 78.1   | 70.0   | 70.0   | 78.1   | 72.7   | 70.0   | 75.3   | 72.7   |
| 72.5° | 45.7   | 40.3   | 45.7   | 45.7   | 45.7   | 40.3   | 45.7   | 40.3   | 43.1   | 43.1   | 48.4   |
| 75°   | 24.3   | 21.5   | 18.8   | 26.9   | 18.8   | 21.5   | 24.3   | 24.3   | 24.3   | 24.3   | 26.9   |
| 77.5° | 16.2   | 13.4   | 18.8   | 18.8   | 18.8   | 13.4   | 16.2   | 13.4   | 16.2   | 13.4   | 16.2   |
| 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: P248843

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 |
| 2.5°  | 5567.5 | 5559.4 | 5562.2 | 5546.0 | 5546.0 | 5540.6 | 5543.4 | 5529.9 | 5524.5 | 5519.1 | 5527.2 |
| 5°    | 5648.3 | 5634.9 | 5624.0 | 5599.9 | 5586.3 | 5570.3 | 5562.2 | 5540.6 | 5521.8 | 5505.6 | 5502.9 |
| 7.5°  | 5712.8 | 5683.3 | 5664.4 | 5632.1 | 5607.9 | 5589.1 | 5562.2 | 5532.5 | 5508.4 | 5486.8 | 5470.7 |
| 10°   | 5739.7 | 5710.2 | 5680.6 | 5640.2 | 5613.3 | 5578.3 | 5551.3 | 5513.7 | 5481.4 | 5451.9 | 5432.9 |
| 12.5° | 5742.4 | 5704.7 | 5677.8 | 5632.1 | 5597.1 | 5559.4 | 5529.9 | 5486.8 | 5449.1 | 5419.5 | 5390.0 |
| 15°   | 5718.3 | 5683.3 | 5650.9 | 5602.5 | 5567.5 | 5532.5 | 5497.6 | 5451.9 | 5416.9 | 5381.9 | 5360.4 |
| 17.5° | 5664.4 | 5632.1 | 5594.4 | 5548.7 | 5516.5 | 5484.1 | 5446.4 | 5408.8 | 5368.4 | 5330.7 | 5303.8 |
| 20°   | 5594.4 | 5559.4 | 5527.2 | 5481.4 | 5454.5 | 5419.5 | 5384.5 | 5344.2 | 5311.9 | 5274.2 | 5244.6 |
| 22.5° | 5489.5 | 5457.2 | 5427.6 | 5400.7 | 5357.6 | 5330.7 | 5306.6 | 5260.8 | 5228.5 | 5193.5 | 5161.2 |
| 25°   | 5338.8 | 5306.6 | 5282.3 | 5250.0 | 5231.1 | 5201.6 | 5177.3 | 5137.0 | 5107.4 | 5075.1 | 5048.2 |
| 27.5° | 5091.2 | 5072.4 | 5058.9 | 5040.1 | 5024.0 | 5010.5 | 4997.1 | 4964.7 | 4943.3 | 4913.7 | 4886.8 |
| 30°   | 4719.9 | 4717.2 | 4709.1 | 4701.0 | 4711.8 | 4711.8 | 4711.8 | 4706.5 | 4687.6 | 4666.0 | 4647.2 |
| 32.5° | 4243.6 | 4249.0 | 4259.8 | 4267.8 | 4289.3 | 4313.6 | 4335.1 | 4345.8 | 4345.8 | 4332.4 | 4324.3 |
| 35°   | 3675.8 | 3683.9 | 3700.1 | 3721.6 | 3748.5 | 3778.1 | 3826.5 | 3837.3 | 3845.3 | 3845.3 | 3834.5 |
| 37.5° | 3086.5 | 3083.8 | 3100.0 | 3118.8 | 3135.0 | 3156.5 | 3191.5 | 3199.6 | 3213.0 | 3207.6 | 3196.8 |
| 40°   | 2513.3 | 2499.9 | 2494.4 | 2499.9 | 2518.7 | 2510.6 | 2518.7 | 2513.3 | 2513.3 | 2494.4 | 2494.4 |
| 42.5° | 1983.2 | 1967.1 | 1956.3 | 1948.3 | 1948.3 | 1929.3 | 1915.9 | 1902.5 | 1894.5 | 1880.9 | 1878.3 |
| 45°   | 1528.5 | 1509.6 | 1496.2 | 1490.7 | 1482.8 | 1458.5 | 1442.3 | 1426.2 | 1407.3 | 1402.0 | 1404.7 |
| 47.5° | 1186.7 | 1167.9 | 1162.4 | 1149.0 | 1135.5 | 1122.1 | 1111.4 | 1092.5 | 1089.8 | 1079.0 | 1089.8 |
| 50°   | 914.9  | 909.6  | 901.5  | 896.1  | 888.0  | 877.2  | 866.5  | 855.7  | 850.3  | 850.3  | 853.0  |
| 52.5° | 710.4  | 713.1  | 705.0  | 696.9  | 691.6  | 691.6  | 678.1  | 675.4  | 675.4  | 664.7  | 675.4  |
| 55°   | 543.6  | 540.8  | 543.6  | 538.2  | 538.2  | 530.1  | 530.1  | 522.0  | 522.0  | 513.9  | 519.4  |
| 57.5° | 398.3  | 403.6  | 398.3  | 401.0  | 406.4  | 398.3  | 395.5  | 387.4  | 392.9  | 387.4  | 390.2  |
| 60°   | 309.5  | 309.5  | 309.5  | 306.8  | 306.8  | 304.0  | 304.0  | 301.4  | 301.4  | 296.0  | 301.4  |
| 62.5° | 228.7  | 231.4  | 231.4  | 231.4  | 234.1  | 231.4  | 228.7  | 231.4  | 228.7  | 228.7  | 231.4  |
| 65°   | 150.7  | 153.4  | 153.4  | 150.7  | 156.1  | 150.7  | 153.4  | 156.1  | 158.7  | 156.1  | 158.7  |
| 67.5° | 102.2  | 102.2  | 105.0  | 107.7  | 105.0  | 107.7  | 110.3  | 107.7  | 110.3  | 115.7  | 110.3  |
| 70°   | 75.3   | 78.1   | 78.1   | 75.3   | 72.7   | 75.3   | 72.7   | 80.7   | 80.7   | 80.7   | 86.1   |
| 72.5° | 48.4   | 48.4   | 45.7   | 45.7   | 45.7   | 45.7   | 45.7   | 53.8   | 48.4   | 45.7   | 51.2   |
| 75°   | 26.9   | 29.6   | 29.6   | 21.5   | 24.3   | 29.6   | 21.5   | 24.3   | 32.3   | 26.9   | 32.3   |
| 77.5° | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 16.2   | 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   | 16.2   | 13.4   | 13.4   | 16.2   |
| 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: P248843

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 |
| 2.5°  | 5505.6 | 5505.6 | 5502.9 | 5497.6 | 5486.8 | 5486.8 | 5484.1 | 5476.0 | 5470.7 | 5467.9 | 5467.9 |
| 5°    | 5478.7 | 5467.9 | 5457.2 | 5427.6 | 5427.6 | 5422.2 | 5406.1 | 5395.3 | 5390.0 | 5376.4 | 5371.1 |
| 7.5°  | 5454.5 | 5422.2 | 5403.4 | 5384.5 | 5360.4 | 5349.5 | 5330.7 | 5322.6 | 5303.8 | 5290.4 | 5282.3 |
| 10°   | 5395.3 | 5373.8 | 5349.5 | 5320.0 | 5301.1 | 5279.6 | 5258.0 | 5242.0 | 5217.7 | 5204.2 | 5193.5 |
| 12.5° | 5355.0 | 5322.6 | 5301.1 | 5268.8 | 5236.6 | 5217.7 | 5188.2 | 5169.3 | 5145.1 | 5118.2 | 5102.0 |
| 15°   | 5317.3 | 5282.3 | 5252.7 | 5217.7 | 5182.7 | 5161.2 | 5126.2 | 5104.8 | 5069.8 | 5042.8 | 5024.0 |
| 17.5° | 5260.8 | 5231.1 | 5198.9 | 5155.8 | 5123.6 | 5096.7 | 5058.9 | 5032.1 | 4999.8 | 4964.7 | 4945.9 |
| 20°   | 5201.6 | 5166.6 | 5134.3 | 5091.2 | 5058.9 | 5026.7 | 4989.0 | 4959.4 | 4921.7 | 4889.4 | 4867.9 |
| 22.5° | 5123.6 | 5083.2 | 5056.2 | 5013.2 | 4975.5 | 4940.6 | 4905.6 | 4870.6 | 4835.6 | 4808.7 | 4784.4 |
| 25°   | 5010.5 | 4967.4 | 4937.8 | 4902.8 | 4867.9 | 4841.0 | 4797.9 | 4776.5 | 4741.5 | 4717.2 | 4692.9 |
| 27.5° | 4849.0 | 4816.8 | 4789.9 | 4754.9 | 4725.3 | 4703.8 | 4671.5 | 4650.0 | 4620.3 | 4598.8 | 4580.0 |
| 30°   | 4612.3 | 4585.4 | 4561.1 | 4526.1 | 4504.6 | 4485.8 | 4456.1 | 4437.3 | 4415.8 | 4391.6 | 4386.2 |
| 32.5° | 4294.8 | 4273.2 | 4249.0 | 4224.8 | 4208.6 | 4197.8 | 4173.6 | 4162.8 | 4141.4 | 4127.8 | 4114.4 |
| 35°   | 3815.7 | 3796.9 | 3783.5 | 3772.7 | 3767.3 | 3770.0 | 3764.7 | 3775.4 | 3780.7 | 3778.1 | 3780.7 |
| 37.5° | 3188.8 | 3178.0 | 3183.4 | 3191.5 | 3218.4 | 3253.4 | 3285.6 | 3334.0 | 3366.4 | 3398.7 | 3428.3 |
| 40°   | 2489.1 | 2497.2 | 2518.7 | 2567.1 | 2637.1 | 2715.2 | 2787.9 | 2879.3 | 2970.8 | 3035.4 | 3094.6 |
| 42.5° | 1878.3 | 1902.5 | 1956.3 | 2026.3 | 2131.3 | 2246.9 | 2360.0 | 2494.4 | 2604.9 | 2712.4 | 2787.9 |
| 45°   | 1412.8 | 1445.0 | 1515.0 | 1611.9 | 1727.5 | 1862.1 | 2004.8 | 2155.4 | 2287.3 | 2397.6 | 2481.0 |
| 47.5° | 1100.6 | 1130.2 | 1200.2 | 1302.4 | 1445.0 | 1585.0 | 1733.0 | 1889.0 | 2026.3 | 2133.9 | 2206.6 |
| 50°   | 869.1  | 906.8  | 968.7  | 1076.4 | 1219.0 | 1367.0 | 1520.4 | 1673.7 | 1803.0 | 1894.5 | 1959.0 |
| 52.5° | 683.5  | 718.5  | 777.7  | 890.7  | 1036.1 | 1184.0 | 1326.6 | 1477.3 | 1590.3 | 1679.1 | 1722.2 |
| 55°   | 530.1  | 562.4  | 624.2  | 718.5  | 855.7  | 1001.1 | 1143.6 | 1272.9 | 1377.8 | 1442.3 | 1482.8 |
| 57.5° | 403.6  | 427.9  | 471.0  | 565.1  | 688.9  | 823.4  | 944.6  | 1073.7 | 1154.5 | 1200.2 | 1227.0 |
| 60°   | 306.8  | 325.6  | 371.4  | 444.0  | 557.0  | 672.8  | 775.0  | 871.9  | 936.5  | 974.1  | 1001.1 |
| 62.5° | 231.4  | 253.0  | 285.2  | 347.1  | 433.2  | 527.4  | 613.5  | 686.2  | 740.0  | 764.3  | 783.1  |
| 65°   | 158.7  | 174.9  | 199.1  | 247.6  | 320.2  | 387.4  | 454.8  | 508.6  | 543.6  | 570.5  | 581.3  |
| 67.5° | 118.4  | 129.1  | 142.7  | 180.3  | 231.4  | 285.2  | 331.0  | 368.6  | 406.4  | 417.1  | 436.0  |
| 70°   | 88.8   | 96.9   | 110.3  | 137.2  | 166.8  | 204.5  | 242.2  | 263.7  | 290.6  | 309.5  | 314.9  |
| 72.5° | 56.5   | 59.1   | 72.7   | 88.8   | 113.0  | 137.2  | 161.5  | 180.3  | 196.5  | 207.2  | 212.6  |
| 75°   | 32.3   | 48.4   | 48.4   | 64.6   | 80.7   | 91.5   | 107.7  | 121.1  | 129.1  | 137.2  | 137.2  |
| 77.5° | 21.5   | 29.6   | 32.3   | 40.3   | 48.4   | 61.9   | 75.3   | 83.4   | 91.5   | 94.1   | 94.1   |
| 80°   | 18.8   | 21.5   | 21.5   | 29.6   | 35.0   | 45.7   | 53.8   | 56.5   | 61.9   | 64.6   | 70.0   |
| 82.5° | 8.1    | 10.7   | 13.4   | 21.5   | 24.3   | 24.3   | 32.3   | 35.0   | 40.3   | 43.1   | 43.1   |
| 85°   | 2.7    | 5.4    | 5.4    | 8.1    | 13.4   | 16.2   | 18.8   | 21.5   | 24.3   | 24.3   | 26.9   |
| 87.5° | 2.7    | 2.7    | 0.0    | 2.7    | 5.4    | 5.4    | 10.7   | 10.7   | 10.7   | 16.2   | 16.2   |
| 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: P248843

CATALOG NUMBER: LD8B100D010 ER8B100950 8LBSW0GPH

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 | 5511.0 |
| 2.5°  | 5462.6 | 5465.3 | 5454.5 | 5451.9 | 5446.4 | 5449.1 | 5454.5 |
| 5°    | 5363.0 | 5365.7 | 5355.0 | 5344.2 | 5344.2 | 5341.4 | 5344.2 |
| 7.5°  | 5268.8 | 5271.6 | 5255.4 | 5250.0 | 5239.2 | 5242.0 | 5242.0 |
| 10°   | 5174.6 | 5174.6 | 5150.5 | 5147.7 | 5139.6 | 5137.0 | 5137.0 |
| 12.5° | 5083.2 | 5075.1 | 5056.2 | 5045.5 | 5050.9 | 5034.8 | 5034.8 |
| 15°   | 5002.4 | 4989.0 | 4964.7 | 4956.7 | 4943.3 | 4937.8 | 4937.8 |
| 17.5° | 4919.0 | 4908.3 | 4886.8 | 4870.6 | 4854.4 | 4851.8 | 4854.4 |
| 20°   | 4838.3 | 4827.5 | 4800.6 | 4789.9 | 4776.5 | 4776.5 | 4771.0 |
| 22.5° | 4757.5 | 4746.8 | 4722.6 | 4714.5 | 4695.7 | 4695.7 | 4698.4 |
| 25°   | 4674.1 | 4666.0 | 4639.1 | 4633.8 | 4631.1 | 4620.3 | 4625.7 |
| 27.5° | 4561.1 | 4555.7 | 4534.2 | 4526.1 | 4515.4 | 4512.7 | 4518.1 |
| 30°   | 4353.9 | 4345.8 | 4329.8 | 4321.7 | 4302.8 | 4305.5 | 4310.8 |
| 32.5° | 4095.6 | 4084.9 | 4063.3 | 4055.2 | 4039.1 | 4033.7 | 4036.4 |
| 35°   | 3772.7 | 3764.7 | 3745.8 | 3745.8 | 3729.7 | 3724.2 | 3729.7 |
| 37.5° | 3444.4 | 3452.4 | 3444.4 | 3452.4 | 3444.4 | 3441.7 | 3444.4 |
| 40°   | 3135.0 | 3164.6 | 3169.9 | 3199.6 | 3188.8 | 3204.9 | 3202.2 |
| 42.5° | 2838.9 | 2887.3 | 2906.3 | 2930.4 | 2925.1 | 2935.8 | 2943.9 |
| 45°   | 2540.2 | 2580.6 | 2599.4 | 2615.6 | 2618.3 | 2623.7 | 2626.4 |
| 47.5° | 2257.6 | 2290.0 | 2292.6 | 2311.5 | 2308.8 | 2308.8 | 2316.9 |
| 50°   | 1994.0 | 2015.5 | 2020.8 | 2034.3 | 2023.6 | 2018.2 | 2020.8 |
| 52.5° | 1749.1 | 1770.6 | 1765.2 | 1770.6 | 1757.2 | 1751.8 | 1754.5 |
| 55°   | 1498.8 | 1509.6 | 1509.6 | 1509.6 | 1493.5 | 1493.5 | 1493.5 |
| 57.5° | 1243.2 | 1246.0 | 1240.5 | 1243.2 | 1240.5 | 1224.4 | 1221.7 |
| 60°   | 1009.1 | 1009.1 | 1006.4 | 1009.1 | 1001.1 | 993.0  | 993.0  |
| 62.5° | 788.4  | 793.8  | 804.6  | 793.8  | 788.4  | 793.8  | 785.7  |
| 65°   | 589.4  | 600.1  | 597.3  | 602.8  | 600.1  | 600.1  | 594.7  |
| 67.5° | 444.0  | 446.7  | 449.4  | 452.1  | 452.1  | 452.1  | 452.1  |
| 70°   | 325.6  | 333.7  | 331.0  | 331.0  | 331.0  | 331.0  | 347.1  |
| 72.5° | 218.0  | 228.7  | 226.1  | 231.4  | 231.4  | 236.8  | 231.4  |
| 75°   | 148.0  | 158.7  | 153.4  | 161.5  | 158.7  | 153.4  | 166.8  |
| 77.5° | 99.6   | 105.0  | 107.7  | 110.3  | 107.7  | 105.0  | 107.7  |
| 80°   | 70.0   | 75.3   | 72.7   | 75.3   | 75.3   | 75.3   | 78.1   |
| 82.5° | 43.1   | 51.2   | 48.4   | 51.2   | 48.4   | 51.2   | 51.2   |
| 85°   | 29.6   | 32.3   | 26.9   | 32.3   | 29.6   | 29.6   | 35.0   |
| 87.5° | 18.8   | 16.2   | 16.2   | 18.8   | 16.2   | 18.8   | 16.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)