

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: P248995

Luminaire Tested: **LD8B90D010 ER8B90835 8LBSW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13958)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B90D010 ER8B90835 8LBSW0MW
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 3500 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9329.0 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

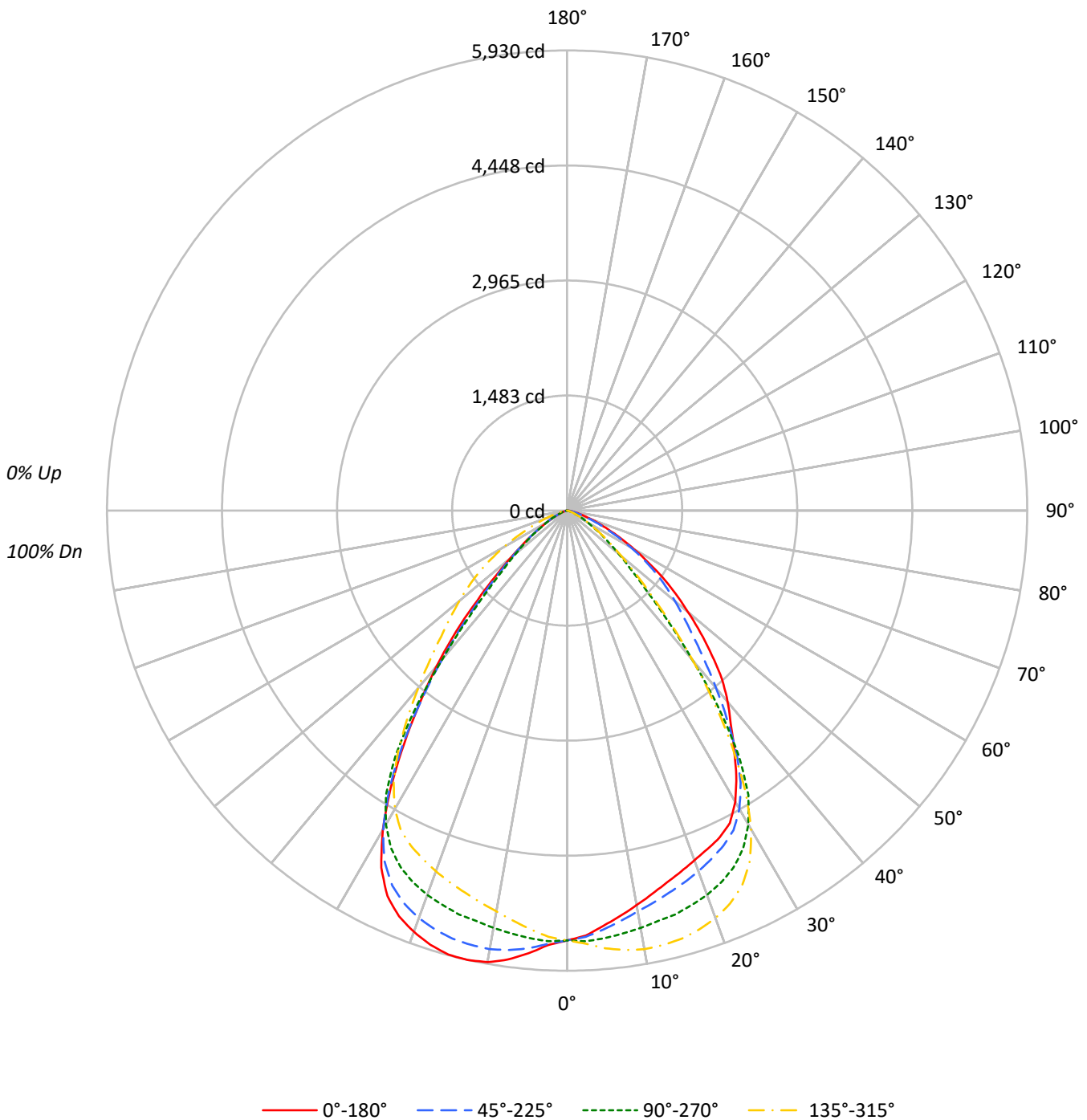
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

Luminous Intensity Polar Plot





TEST NUMBER: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|--------|--------|
| 0° | 170781 | 170781 | 170781 | 170781 |
| 5° | 166245 | 171182 | 177296 | 171182 |
| 10° | 161645 | 170960 | 185016 | 170960 |
| 15° | 158417 | 171975 | 189067 | 171975 |
| 20° | 157340 | 172956 | 189551 | 172956 |
| 25° | 158164 | 172611 | 186507 | 172611 |
| 30° | 154255 | 166290 | 169281 | 166290 |
| 35° | 141094 | 145062 | 137635 | 145062 |
| 40° | 129541 | 100909 | 105377 | 100909 |
| 45° | 115102 | 61559 | 71231 | 61559 |
| 50° | 97423 | 41122 | 45665 | 41122 |
| 55° | 80691 | 28058 | 29660 | 28058 |
| 60° | 61543 | 18681 | 18841 | 18681 |
| 65° | 43604 | 11638 | 10653 | 11638 |
| 70° | 31448 | 7799 | 7078 | 7799 |
| 75° | 19968 | 3872 | 3217 | 3872 |
| 80° | 13940 | 2895 | 2397 | 2895 |
| 85° | 12454 | 0 | 955 | 0 |



TEST NUMBER: P248995

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 527.1 | 5.7 |
| 10°-20° | 1526.5 | 16.4 |
| 20°-30° | 2311.5 | 24.8 |
| 30°-40° | 2316.7 | 24.8 |
| 40°-50° | 1454.7 | 15.6 |
| 50°-60° | 775.2 | 8.3 |
| 60°-70° | 318.8 | 3.4 |
| 70°-80° | 84.2 | 0.9 |
| 80°-90° | 14.3 | 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° | 4365.1 | 46.8 |
| 0°-40° | 6681.8 | 71.6 |
| 0°-60° | 8911.7 | 95.5 |
| 0°-90° | 9329.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9329.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5538 | 5538 | 5538 | 5538 | 5538 | |
| 5° | 5371 | 5530 | 5728 | 5530 | 5371 | 506 |
| 15° | 4962 | 5387 | 5922 | 5387 | 4962 | 1403 |
| 25° | 4649 | 5073 | 5482 | 5073 | 4649 | 2132 |
| 35° | 3748 | 3854 | 3656 | 3854 | 3748 | 2348 |
| 45° | 2639 | 1412 | 1633 | 1412 | 2639 | 2030 |
| 55° | 1501 | 522 | 552 | 522 | 1501 | 1338 |
| 65° | 598 | 160 | 146 | 160 | 598 | 620 |
| 75° | 168 | 32 | 27 | 32 | 168 | 190 |
| 85° | 35 | 0 | 3 | 0 | 35 | 39 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248995

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 |
| 2.5° | 5481.6 | 5476.1 | 5473.4 | 5478.9 | 5481.6 | 5492.4 | 5489.7 | 5495.0 | 5495.0 | 5497.8 | 5503.2 |
| 5° | 5370.7 | 5367.9 | 5370.7 | 5370.7 | 5381.5 | 5392.3 | 5389.6 | 5397.7 | 5403.1 | 5416.7 | 5422.0 |
| 7.5° | 5268.0 | 5268.0 | 5265.2 | 5276.0 | 5281.4 | 5297.7 | 5294.9 | 5308.5 | 5316.6 | 5330.1 | 5349.0 |
| 10° | 5162.4 | 5162.4 | 5165.1 | 5173.2 | 5176.0 | 5200.3 | 5200.3 | 5219.2 | 5230.0 | 5243.6 | 5268.0 |
| 12.5° | 5059.7 | 5059.7 | 5076.0 | 5070.5 | 5081.3 | 5100.2 | 5108.3 | 5127.3 | 5143.5 | 5170.6 | 5194.9 |
| 15° | 4962.3 | 4962.3 | 4967.8 | 4981.2 | 4989.4 | 5013.7 | 5027.2 | 5048.9 | 5067.8 | 5094.9 | 5130.0 |
| 17.5° | 4878.5 | 4875.8 | 4878.5 | 4894.7 | 4911.0 | 4932.6 | 4943.4 | 4970.4 | 4989.4 | 5024.5 | 5057.0 |
| 20° | 4794.7 | 4800.1 | 4800.1 | 4813.6 | 4824.4 | 4851.4 | 4862.2 | 4892.1 | 4913.7 | 4946.1 | 4984.0 |
| 22.5° | 4721.7 | 4719.0 | 4719.0 | 4737.9 | 4746.0 | 4770.3 | 4781.1 | 4808.1 | 4832.5 | 4859.6 | 4894.7 |
| 25° | 4648.6 | 4643.2 | 4654.1 | 4656.8 | 4662.1 | 4689.1 | 4697.3 | 4716.2 | 4740.6 | 4765.0 | 4800.1 |
| 27.5° | 4540.4 | 4535.1 | 4537.8 | 4548.6 | 4556.7 | 4578.3 | 4583.7 | 4602.7 | 4621.6 | 4643.2 | 4673.0 |
| 30° | 4332.2 | 4326.8 | 4324.2 | 4343.1 | 4351.2 | 4367.4 | 4375.5 | 4408.0 | 4413.3 | 4437.7 | 4459.3 |
| 32.5° | 4056.4 | 4053.7 | 4059.1 | 4075.3 | 4083.4 | 4105.1 | 4115.9 | 4134.8 | 4148.3 | 4161.9 | 4183.5 |
| 35° | 3748.1 | 3742.7 | 3748.1 | 3764.4 | 3764.4 | 3783.3 | 3791.4 | 3799.4 | 3796.8 | 3799.4 | 3794.1 |
| 37.5° | 3461.5 | 3458.7 | 3461.5 | 3469.5 | 3461.5 | 3469.5 | 3461.5 | 3445.3 | 3415.5 | 3383.0 | 3350.5 |
| 40° | 3218.1 | 3220.7 | 3204.6 | 3215.4 | 3185.6 | 3180.2 | 3150.5 | 3109.9 | 3050.4 | 2985.6 | 2893.6 |
| 42.5° | 2958.5 | 2950.4 | 2939.6 | 2944.9 | 2920.7 | 2901.6 | 2853.0 | 2801.7 | 2725.9 | 2617.8 | 2506.8 |
| 45° | 2639.4 | 2636.7 | 2631.3 | 2628.6 | 2612.3 | 2593.4 | 2552.8 | 2493.3 | 2409.5 | 2298.7 | 2166.1 |
| 47.5° | 2328.4 | 2320.3 | 2320.3 | 2322.9 | 2304.0 | 2301.3 | 2268.8 | 2217.5 | 2144.5 | 2036.3 | 1898.4 |
| 50° | 2030.8 | 2028.2 | 2033.6 | 2044.4 | 2030.8 | 2025.5 | 2003.9 | 1968.7 | 1903.8 | 1811.9 | 1682.0 |
| 52.5° | 1763.1 | 1760.5 | 1765.9 | 1779.4 | 1773.9 | 1779.4 | 1757.8 | 1730.8 | 1687.5 | 1598.2 | 1484.7 |
| 55° | 1500.9 | 1500.9 | 1500.9 | 1517.0 | 1517.0 | 1517.0 | 1506.2 | 1490.1 | 1449.5 | 1384.6 | 1279.2 |
| 57.5° | 1227.7 | 1230.4 | 1246.7 | 1249.3 | 1246.7 | 1252.1 | 1249.3 | 1233.1 | 1206.2 | 1160.2 | 1079.0 |
| 60° | 997.9 | 997.9 | 1006.0 | 1014.1 | 1011.4 | 1014.1 | 1014.1 | 1006.0 | 979.0 | 941.1 | 876.2 |
| 62.5° | 789.6 | 797.8 | 792.3 | 797.8 | 808.6 | 797.8 | 792.3 | 787.0 | 768.0 | 743.7 | 689.6 |
| 65° | 597.6 | 603.1 | 603.1 | 605.7 | 600.3 | 603.1 | 592.3 | 584.2 | 573.4 | 546.3 | 511.1 |
| 67.5° | 454.4 | 454.4 | 454.4 | 454.4 | 451.6 | 448.9 | 446.2 | 438.1 | 419.2 | 408.4 | 370.4 |
| 70° | 348.8 | 332.6 | 332.6 | 332.6 | 332.6 | 335.4 | 327.3 | 316.5 | 311.0 | 292.1 | 265.0 |
| 72.5° | 232.5 | 238.0 | 232.5 | 232.5 | 227.2 | 229.9 | 219.1 | 213.6 | 208.3 | 197.5 | 181.2 |
| 75° | 167.6 | 154.2 | 159.5 | 162.3 | 154.2 | 159.5 | 148.7 | 137.9 | 137.9 | 129.8 | 121.7 |
| 77.5° | 108.2 | 105.5 | 108.2 | 110.9 | 108.2 | 105.5 | 100.1 | 94.6 | 94.6 | 91.9 | 83.8 |
| 80° | 78.5 | 75.7 | 75.7 | 75.7 | 73.0 | 75.7 | 70.3 | 70.3 | 64.9 | 62.2 | 56.8 |
| 82.5° | 51.4 | 51.4 | 48.6 | 51.4 | 48.6 | 51.4 | 43.3 | 43.3 | 43.3 | 40.5 | 35.2 |
| 85° | 35.2 | 29.7 | 29.7 | 32.5 | 27.0 | 32.5 | 29.7 | 27.0 | 24.4 | 24.4 | 21.6 |
| 87.5° | 16.3 | 18.9 | 16.3 | 18.9 | 16.3 | 16.3 | 18.9 | 16.3 | 16.3 | 10.8 | 10.8 |
| 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: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 |
| 2.5° | 5511.3 | 5514.0 | 5514.0 | 5524.9 | 5530.2 | 5532.9 | 5532.9 | 5554.6 | 5546.5 | 5551.9 | 5557.3 |
| 5° | 5432.9 | 5449.1 | 5454.5 | 5454.5 | 5484.2 | 5495.0 | 5505.8 | 5530.2 | 5532.9 | 5549.1 | 5568.1 |
| 7.5° | 5357.1 | 5376.0 | 5387.0 | 5411.2 | 5430.1 | 5449.1 | 5481.6 | 5497.8 | 5514.0 | 5535.7 | 5559.9 |
| 10° | 5284.1 | 5305.8 | 5327.4 | 5346.3 | 5376.0 | 5400.4 | 5422.0 | 5459.9 | 5478.9 | 5508.6 | 5541.0 |
| 12.5° | 5213.9 | 5243.6 | 5262.5 | 5294.9 | 5327.4 | 5349.0 | 5381.5 | 5416.7 | 5446.4 | 5476.1 | 5514.0 |
| 15° | 5151.6 | 5186.8 | 5208.4 | 5243.6 | 5278.8 | 5308.5 | 5343.7 | 5387.0 | 5408.5 | 5443.7 | 5478.9 |
| 17.5° | 5084.0 | 5121.9 | 5149.0 | 5181.4 | 5224.7 | 5257.1 | 5286.9 | 5330.1 | 5357.1 | 5395.0 | 5435.6 |
| 20° | 5013.7 | 5051.6 | 5084.0 | 5116.5 | 5159.8 | 5192.2 | 5227.3 | 5270.6 | 5300.4 | 5338.2 | 5370.7 |
| 22.5° | 4929.9 | 4965.1 | 5000.1 | 5038.0 | 5081.3 | 5108.3 | 5149.0 | 5186.8 | 5219.2 | 5254.4 | 5286.9 |
| 25° | 4821.7 | 4865.0 | 4892.1 | 4927.1 | 4962.3 | 4992.0 | 5035.3 | 5073.2 | 5100.2 | 5132.7 | 5162.4 |
| 27.5° | 4694.6 | 4727.1 | 4748.7 | 4778.4 | 4813.6 | 4840.6 | 4873.0 | 4911.0 | 4938.0 | 4967.8 | 4989.4 |
| 30° | 4478.2 | 4508.0 | 4527.0 | 4548.6 | 4583.7 | 4608.1 | 4635.2 | 4670.2 | 4689.1 | 4710.9 | 4729.8 |
| 32.5° | 4194.3 | 4218.6 | 4229.4 | 4245.7 | 4270.1 | 4294.3 | 4316.0 | 4345.8 | 4353.9 | 4367.4 | 4367.4 |
| 35° | 3783.3 | 3788.7 | 3786.0 | 3791.4 | 3802.2 | 3815.7 | 3834.6 | 3853.5 | 3864.3 | 3864.3 | 3856.3 |
| 37.5° | 3301.9 | 3269.5 | 3234.3 | 3207.3 | 3199.2 | 3193.7 | 3204.6 | 3212.6 | 3223.5 | 3228.9 | 3215.4 |
| 40° | 2801.7 | 2728.6 | 2650.2 | 2579.8 | 2531.2 | 2509.6 | 2501.5 | 2506.8 | 2506.8 | 2525.7 | 2525.7 |
| 42.5° | 2371.7 | 2258.0 | 2141.8 | 2036.3 | 1966.0 | 1912.0 | 1887.6 | 1887.6 | 1890.3 | 1903.8 | 1912.0 |
| 45° | 2014.7 | 1871.3 | 1736.1 | 1619.9 | 1522.5 | 1452.1 | 1419.8 | 1411.6 | 1409.0 | 1414.3 | 1433.2 |
| 47.5° | 1741.6 | 1592.8 | 1452.1 | 1308.9 | 1206.2 | 1135.8 | 1106.1 | 1095.2 | 1084.4 | 1095.2 | 1098.0 |
| 50° | 1528.0 | 1373.8 | 1225.1 | 1081.7 | 973.5 | 911.3 | 873.4 | 857.2 | 854.5 | 854.5 | 860.0 |
| 52.5° | 1333.2 | 1189.9 | 1041.2 | 895.2 | 781.5 | 722.1 | 686.9 | 678.8 | 668.0 | 678.8 | 678.8 |
| 55° | 1149.3 | 1006.0 | 860.0 | 722.1 | 627.3 | 565.2 | 532.7 | 521.9 | 516.5 | 524.6 | 524.6 |
| 57.5° | 949.3 | 827.5 | 692.3 | 567.9 | 473.3 | 430.0 | 405.6 | 392.1 | 389.4 | 394.8 | 389.4 |
| 60° | 778.8 | 676.1 | 559.8 | 446.2 | 373.2 | 327.3 | 308.3 | 302.9 | 297.4 | 302.9 | 302.9 |
| 62.5° | 616.5 | 530.1 | 435.3 | 348.8 | 286.6 | 254.2 | 232.5 | 232.5 | 229.9 | 229.9 | 232.5 |
| 65° | 457.0 | 389.4 | 321.8 | 248.8 | 200.1 | 175.8 | 159.5 | 159.5 | 156.8 | 159.5 | 156.8 |
| 67.5° | 332.6 | 286.6 | 232.5 | 181.2 | 143.4 | 129.8 | 119.0 | 110.9 | 116.3 | 110.9 | 108.2 |
| 70° | 243.4 | 205.5 | 167.6 | 137.9 | 110.9 | 97.4 | 89.3 | 86.5 | 81.1 | 81.1 | 81.1 |
| 72.5° | 162.3 | 137.9 | 113.5 | 89.3 | 73.0 | 59.4 | 56.8 | 51.4 | 46.0 | 48.6 | 54.1 |
| 75° | 108.2 | 91.9 | 81.1 | 64.9 | 48.6 | 48.6 | 32.5 | 32.5 | 27.0 | 32.5 | 24.4 |
| 77.5° | 75.7 | 62.2 | 48.6 | 40.5 | 32.5 | 29.7 | 21.6 | 21.6 | 18.9 | 18.9 | 18.9 |
| 80° | 54.1 | 46.0 | 35.2 | 29.7 | 21.6 | 21.6 | 18.9 | 16.3 | 13.5 | 13.5 | 16.3 |
| 82.5° | 32.5 | 24.4 | 24.4 | 21.6 | 13.5 | 10.8 | 8.1 | 10.8 | 5.5 | 5.5 | 5.5 |
| 85° | 18.9 | 16.3 | 13.5 | 8.1 | 5.5 | 5.5 | 2.7 | 0.0 | 2.7 | 2.7 | 0.0 |
| 87.5° | 10.8 | 5.5 | 5.5 | 2.7 | 0.0 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 | 5.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 |
| 2.5° | 5570.8 | 5568.1 | 5573.5 | 5573.5 | 5589.8 | 5587.0 | 5595.1 | 5595.1 | 5589.8 | 5592.4 | 5603.2 |
| 5° | 5589.8 | 5597.9 | 5614.0 | 5627.6 | 5651.9 | 5662.8 | 5676.2 | 5689.8 | 5692.5 | 5700.6 | 5708.7 |
| 7.5° | 5589.8 | 5616.8 | 5635.7 | 5660.0 | 5692.5 | 5711.4 | 5741.1 | 5765.5 | 5776.3 | 5789.8 | 5806.0 |
| 10° | 5578.8 | 5605.9 | 5641.1 | 5668.1 | 5708.7 | 5738.5 | 5768.2 | 5806.0 | 5822.3 | 5843.9 | 5865.6 |
| 12.5° | 5557.3 | 5587.0 | 5624.8 | 5660.0 | 5706.0 | 5733.0 | 5770.9 | 5806.0 | 5830.4 | 5860.1 | 5884.5 |
| 15° | 5524.9 | 5559.9 | 5595.1 | 5630.3 | 5678.9 | 5711.4 | 5746.6 | 5787.1 | 5811.5 | 5843.9 | 5865.6 |
| 17.5° | 5473.4 | 5511.3 | 5543.8 | 5576.2 | 5622.1 | 5660.0 | 5692.5 | 5730.3 | 5754.7 | 5781.8 | 5811.5 |
| 20° | 5411.2 | 5446.4 | 5481.6 | 5508.6 | 5554.6 | 5587.0 | 5622.1 | 5657.3 | 5676.2 | 5681.7 | 5727.7 |
| 22.5° | 5332.9 | 5357.1 | 5384.2 | 5427.5 | 5454.5 | 5484.2 | 5516.7 | 5549.1 | 5568.1 | 5597.9 | 5614.0 |
| 25° | 5203.0 | 5227.3 | 5257.1 | 5276.0 | 5308.5 | 5332.9 | 5365.2 | 5400.4 | 5411.2 | 5432.9 | 5449.1 |
| 27.5° | 5021.9 | 5035.3 | 5048.9 | 5065.0 | 5084.0 | 5097.5 | 5116.5 | 5132.7 | 5143.5 | 5154.3 | 5165.1 |
| 30° | 4735.1 | 4735.1 | 4735.1 | 4724.3 | 4732.4 | 4740.6 | 4743.2 | 4740.6 | 4740.6 | 4737.9 | 4737.9 |
| 32.5° | 4356.6 | 4335.0 | 4310.6 | 4289.0 | 4280.9 | 4270.1 | 4264.6 | 4256.5 | 4243.0 | 4234.9 | 4237.6 |
| 35° | 3845.4 | 3796.8 | 3767.1 | 3740.0 | 3718.4 | 3702.2 | 3694.0 | 3685.9 | 3683.2 | 3672.4 | 3661.5 |
| 37.5° | 3207.3 | 3172.1 | 3150.5 | 3134.3 | 3115.3 | 3099.1 | 3101.8 | 3104.5 | 3112.6 | 3107.2 | 3109.9 |
| 40° | 2531.2 | 2523.1 | 2531.2 | 2512.3 | 2506.8 | 2512.3 | 2525.7 | 2544.8 | 2555.6 | 2566.4 | 2585.3 |
| 42.5° | 1925.4 | 1938.9 | 1957.9 | 1957.9 | 1966.0 | 1976.9 | 1993.0 | 2022.8 | 2039.0 | 2057.9 | 2079.6 |
| 45° | 1449.5 | 1465.7 | 1490.1 | 1498.1 | 1503.6 | 1517.0 | 1536.1 | 1560.3 | 1571.1 | 1587.4 | 1606.3 |
| 47.5° | 1116.9 | 1127.7 | 1141.1 | 1154.7 | 1168.2 | 1173.7 | 1192.6 | 1192.6 | 1206.2 | 1217.0 | 1222.3 |
| 50° | 870.8 | 881.6 | 892.4 | 900.5 | 906.0 | 914.1 | 919.4 | 927.5 | 930.2 | 935.7 | 938.3 |
| 52.5° | 681.4 | 695.0 | 695.0 | 700.4 | 708.5 | 716.6 | 713.9 | 716.6 | 719.3 | 719.3 | 727.4 |
| 55° | 532.7 | 532.7 | 540.9 | 540.9 | 546.3 | 543.5 | 546.3 | 546.3 | 546.3 | 546.3 | 549.0 |
| 57.5° | 397.5 | 400.3 | 408.4 | 402.9 | 400.3 | 405.6 | 400.3 | 405.6 | 402.9 | 408.4 | 400.3 |
| 60° | 305.5 | 305.5 | 308.3 | 308.3 | 311.0 | 311.0 | 311.0 | 308.3 | 308.3 | 305.5 | 305.5 |
| 62.5° | 229.9 | 232.5 | 235.3 | 232.5 | 232.5 | 232.5 | 229.9 | 229.9 | 227.2 | 224.4 | 224.4 |
| 65° | 154.2 | 151.5 | 156.8 | 151.5 | 154.2 | 154.2 | 151.5 | 154.2 | 146.0 | 148.7 | 146.0 |
| 67.5° | 110.9 | 108.2 | 105.5 | 108.2 | 105.5 | 102.7 | 102.7 | 105.5 | 108.2 | 100.1 | 100.1 |
| 70° | 73.0 | 75.7 | 73.0 | 75.7 | 78.5 | 78.5 | 75.7 | 73.0 | 75.7 | 70.3 | 73.0 |
| 72.5° | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 48.6 | 48.6 | 48.6 | 43.3 | 43.3 | 40.5 |
| 75° | 21.6 | 29.7 | 24.4 | 21.6 | 29.7 | 29.7 | 27.0 | 27.0 | 24.4 | 24.4 | 24.4 |
| 77.5° | 21.6 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 13.5 | 16.3 | 13.5 |
| 80° | 10.8 | 10.8 | 10.8 | 8.1 | 10.8 | 10.8 | 13.5 | 10.8 | 10.8 | 8.1 | 13.5 |
| 82.5° | 5.5 | 5.5 | 5.5 | 0.0 | 2.7 | 5.5 | 5.5 | 2.7 | 5.5 | 5.5 | 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: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 |
| 2.5° | 5600.6 | 5597.9 | 5600.6 | 5603.2 | 5600.6 | 5597.9 | 5600.6 | 5603.2 | 5592.4 | 5589.8 | 5595.1 |
| 5° | 5719.5 | 5719.5 | 5724.9 | 5727.7 | 5724.9 | 5719.5 | 5719.5 | 5708.7 | 5700.6 | 5692.5 | 5689.8 |
| 7.5° | 5822.3 | 5827.7 | 5833.1 | 5835.8 | 5833.1 | 5827.7 | 5822.3 | 5806.0 | 5789.8 | 5776.3 | 5765.5 |
| 10° | 5884.5 | 5892.6 | 5903.4 | 5908.8 | 5903.4 | 5892.6 | 5884.5 | 5865.6 | 5843.9 | 5822.3 | 5806.0 |
| 12.5° | 5911.6 | 5919.7 | 5933.1 | 5930.5 | 5933.1 | 5919.7 | 5911.6 | 5884.5 | 5860.1 | 5830.4 | 5806.0 |
| 15° | 5892.6 | 5903.4 | 5916.9 | 5922.4 | 5916.9 | 5903.4 | 5892.6 | 5865.6 | 5843.9 | 5811.5 | 5787.1 |
| 17.5° | 5833.1 | 5849.3 | 5857.5 | 5865.6 | 5857.5 | 5849.3 | 5833.1 | 5811.5 | 5781.8 | 5754.7 | 5730.3 |
| 20° | 5751.9 | 5762.8 | 5773.6 | 5776.3 | 5773.6 | 5762.8 | 5751.9 | 5727.7 | 5681.7 | 5676.2 | 5657.3 |
| 22.5° | 5635.7 | 5643.9 | 5668.1 | 5660.0 | 5668.1 | 5643.9 | 5635.7 | 5614.0 | 5597.9 | 5568.1 | 5549.1 |
| 25° | 5468.0 | 5476.1 | 5478.9 | 5481.6 | 5478.9 | 5476.1 | 5468.0 | 5449.1 | 5432.9 | 5411.2 | 5400.4 |
| 27.5° | 5178.7 | 5178.7 | 5184.0 | 5186.8 | 5184.0 | 5178.7 | 5178.7 | 5165.1 | 5154.3 | 5143.5 | 5132.7 |
| 30° | 4740.6 | 4740.6 | 4740.6 | 4754.2 | 4740.6 | 4740.6 | 4740.6 | 4737.9 | 4737.9 | 4740.6 | 4740.6 |
| 32.5° | 4234.9 | 4229.4 | 4224.1 | 4229.4 | 4224.1 | 4229.4 | 4234.9 | 4237.6 | 4234.9 | 4243.0 | 4256.5 |
| 35° | 3661.5 | 3658.9 | 3667.0 | 3656.2 | 3667.0 | 3658.9 | 3661.5 | 3661.5 | 3672.4 | 3683.2 | 3685.9 |
| 37.5° | 3112.6 | 3107.2 | 3118.0 | 3107.2 | 3118.0 | 3107.2 | 3112.6 | 3109.9 | 3107.2 | 3112.6 | 3104.5 |
| 40° | 2590.7 | 2596.1 | 2596.1 | 2617.8 | 2596.1 | 2596.1 | 2590.7 | 2585.3 | 2566.4 | 2555.6 | 2544.8 |
| 42.5° | 2090.4 | 2106.6 | 2101.2 | 2117.4 | 2101.2 | 2106.6 | 2090.4 | 2079.6 | 2057.9 | 2039.0 | 2022.8 |
| 45° | 1617.1 | 1628.0 | 1628.0 | 1633.4 | 1628.0 | 1628.0 | 1617.1 | 1606.3 | 1587.4 | 1571.1 | 1560.3 |
| 47.5° | 1241.2 | 1241.2 | 1241.2 | 1244.0 | 1241.2 | 1241.2 | 1241.2 | 1222.3 | 1217.0 | 1206.2 | 1192.6 |
| 50° | 943.8 | 946.5 | 949.3 | 951.9 | 949.3 | 946.5 | 943.8 | 938.3 | 935.7 | 930.2 | 927.5 |
| 52.5° | 724.7 | 727.4 | 722.1 | 727.4 | 722.1 | 727.4 | 724.7 | 727.4 | 719.3 | 719.3 | 716.6 |
| 55° | 549.0 | 546.3 | 549.0 | 551.7 | 549.0 | 546.3 | 549.0 | 549.0 | 546.3 | 546.3 | 546.3 |
| 57.5° | 402.9 | 397.5 | 397.5 | 397.5 | 397.5 | 397.5 | 402.9 | 400.3 | 408.4 | 402.9 | 405.6 |
| 60° | 300.2 | 302.9 | 302.9 | 305.5 | 302.9 | 302.9 | 300.2 | 305.5 | 305.5 | 308.3 | 308.3 |
| 62.5° | 221.7 | 229.9 | 224.4 | 229.9 | 224.4 | 229.9 | 221.7 | 224.4 | 224.4 | 227.2 | 229.9 |
| 65° | 143.4 | 143.4 | 143.4 | 146.0 | 143.4 | 143.4 | 143.4 | 146.0 | 148.7 | 146.0 | 154.2 |
| 67.5° | 97.4 | 100.1 | 105.5 | 102.7 | 105.5 | 100.1 | 97.4 | 100.1 | 100.1 | 108.2 | 105.5 |
| 70° | 78.5 | 70.3 | 70.3 | 78.5 | 70.3 | 70.3 | 78.5 | 73.0 | 70.3 | 75.7 | 73.0 |
| 72.5° | 46.0 | 40.5 | 46.0 | 46.0 | 46.0 | 40.5 | 46.0 | 40.5 | 43.3 | 43.3 | 48.6 |
| 75° | 24.4 | 21.6 | 18.9 | 27.0 | 18.9 | 21.6 | 24.4 | 24.4 | 24.4 | 24.4 | 27.0 |
| 77.5° | 16.3 | 13.5 | 18.9 | 18.9 | 18.9 | 13.5 | 16.3 | 13.5 | 16.3 | 13.5 | 16.3 |
| 80° | 8.1 | 10.8 | 8.1 | 13.5 | 8.1 | 10.8 | 8.1 | 13.5 | 8.1 | 10.8 | 10.8 |
| 82.5° | 2.7 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 2.7 | 2.7 | 5.5 | 5.5 | 2.7 |
| 85° | 0.0 | 5.5 | 2.7 | 2.7 | 2.7 | 5.5 | 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: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 |
| 2.5° | 5595.1 | 5587.0 | 5589.8 | 5573.5 | 5573.5 | 5568.1 | 5570.8 | 5557.3 | 5551.9 | 5546.5 | 5554.6 |
| 5° | 5676.2 | 5662.8 | 5651.9 | 5627.6 | 5614.0 | 5597.9 | 5589.8 | 5568.1 | 5549.1 | 5532.9 | 5530.2 |
| 7.5° | 5741.1 | 5711.4 | 5692.5 | 5660.0 | 5635.7 | 5616.8 | 5589.8 | 5559.9 | 5535.7 | 5514.0 | 5497.8 |
| 10° | 5768.2 | 5738.5 | 5708.7 | 5668.1 | 5641.1 | 5605.9 | 5578.8 | 5541.0 | 5508.6 | 5478.9 | 5459.9 |
| 12.5° | 5770.9 | 5733.0 | 5706.0 | 5660.0 | 5624.8 | 5587.0 | 5557.3 | 5514.0 | 5476.1 | 5446.4 | 5416.7 |
| 15° | 5746.6 | 5711.4 | 5678.9 | 5630.3 | 5595.1 | 5559.9 | 5524.9 | 5478.9 | 5443.7 | 5408.5 | 5387.0 |
| 17.5° | 5692.5 | 5660.0 | 5622.1 | 5576.2 | 5543.8 | 5511.3 | 5473.4 | 5435.6 | 5395.0 | 5357.1 | 5330.1 |
| 20° | 5622.1 | 5587.0 | 5554.6 | 5508.6 | 5481.6 | 5446.4 | 5411.2 | 5370.7 | 5338.2 | 5300.4 | 5270.6 |
| 22.5° | 5516.7 | 5484.2 | 5454.5 | 5427.5 | 5384.2 | 5357.1 | 5332.9 | 5286.9 | 5254.4 | 5219.2 | 5186.8 |
| 25° | 5365.2 | 5332.9 | 5308.5 | 5276.0 | 5257.1 | 5227.3 | 5203.0 | 5162.4 | 5132.7 | 5100.2 | 5073.2 |
| 27.5° | 5116.5 | 5097.5 | 5084.0 | 5065.0 | 5048.9 | 5035.3 | 5021.9 | 4989.4 | 4967.8 | 4938.0 | 4911.0 |
| 30° | 4743.2 | 4740.6 | 4732.4 | 4724.3 | 4735.1 | 4735.1 | 4735.1 | 4729.8 | 4710.9 | 4689.1 | 4670.2 |
| 32.5° | 4264.6 | 4270.1 | 4280.9 | 4289.0 | 4310.6 | 4335.0 | 4356.6 | 4367.4 | 4367.4 | 4353.9 | 4345.8 |
| 35° | 3694.0 | 3702.2 | 3718.4 | 3740.0 | 3767.1 | 3796.8 | 3845.4 | 3856.3 | 3864.3 | 3864.3 | 3853.5 |
| 37.5° | 3101.8 | 3099.1 | 3115.3 | 3134.3 | 3150.5 | 3172.1 | 3207.3 | 3215.4 | 3228.9 | 3223.5 | 3212.6 |
| 40° | 2525.7 | 2512.3 | 2506.8 | 2512.3 | 2531.2 | 2523.1 | 2531.2 | 2525.7 | 2525.7 | 2506.8 | 2506.8 |
| 42.5° | 1993.0 | 1976.9 | 1966.0 | 1957.9 | 1957.9 | 1938.9 | 1925.4 | 1912.0 | 1903.8 | 1890.3 | 1887.6 |
| 45° | 1536.1 | 1517.0 | 1503.6 | 1498.1 | 1490.1 | 1465.7 | 1449.5 | 1433.2 | 1414.3 | 1409.0 | 1411.6 |
| 47.5° | 1192.6 | 1173.7 | 1168.2 | 1154.7 | 1141.1 | 1127.7 | 1116.9 | 1098.0 | 1095.2 | 1084.4 | 1095.2 |
| 50° | 919.4 | 914.1 | 906.0 | 900.5 | 892.4 | 881.6 | 870.8 | 860.0 | 854.5 | 854.5 | 857.2 |
| 52.5° | 713.9 | 716.6 | 708.5 | 700.4 | 695.0 | 695.0 | 681.4 | 678.8 | 678.8 | 668.0 | 678.8 |
| 55° | 546.3 | 543.5 | 546.3 | 540.9 | 540.9 | 532.7 | 532.7 | 524.6 | 524.6 | 516.5 | 521.9 |
| 57.5° | 400.3 | 405.6 | 400.3 | 402.9 | 408.4 | 400.3 | 397.5 | 389.4 | 394.8 | 389.4 | 392.1 |
| 60° | 311.0 | 311.0 | 311.0 | 308.3 | 308.3 | 305.5 | 305.5 | 302.9 | 302.9 | 297.4 | 302.9 |
| 62.5° | 229.9 | 232.5 | 232.5 | 232.5 | 235.3 | 232.5 | 229.9 | 232.5 | 229.9 | 229.9 | 232.5 |
| 65° | 151.5 | 154.2 | 154.2 | 151.5 | 156.8 | 151.5 | 154.2 | 156.8 | 159.5 | 156.8 | 159.5 |
| 67.5° | 102.7 | 102.7 | 105.5 | 108.2 | 105.5 | 108.2 | 110.9 | 108.2 | 110.9 | 116.3 | 110.9 |
| 70° | 75.7 | 78.5 | 78.5 | 75.7 | 73.0 | 75.7 | 73.0 | 81.1 | 81.1 | 81.1 | 86.5 |
| 72.5° | 48.6 | 48.6 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 54.1 | 48.6 | 46.0 | 51.4 |
| 75° | 27.0 | 29.7 | 29.7 | 21.6 | 24.4 | 29.7 | 21.6 | 24.4 | 32.5 | 27.0 | 32.5 |
| 77.5° | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 21.6 | 18.9 | 18.9 | 18.9 | 21.6 |
| 80° | 13.5 | 10.8 | 10.8 | 8.1 | 10.8 | 10.8 | 10.8 | 16.3 | 13.5 | 13.5 | 16.3 |
| 82.5° | 5.5 | 5.5 | 2.7 | 0.0 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 10.8 |
| 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 | 5.5 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 |
| 2.5° | 5532.9 | 5532.9 | 5530.2 | 5524.9 | 5514.0 | 5514.0 | 5511.3 | 5503.2 | 5497.8 | 5495.0 | 5495.0 |
| 5° | 5505.8 | 5495.0 | 5484.2 | 5454.5 | 5454.5 | 5449.1 | 5432.9 | 5422.0 | 5416.7 | 5403.1 | 5397.7 |
| 7.5° | 5481.6 | 5449.1 | 5430.1 | 5411.2 | 5387.0 | 5376.0 | 5357.1 | 5349.0 | 5330.1 | 5316.6 | 5308.5 |
| 10° | 5422.0 | 5400.4 | 5376.0 | 5346.3 | 5327.4 | 5305.8 | 5284.1 | 5268.0 | 5243.6 | 5230.0 | 5219.2 |
| 12.5° | 5381.5 | 5349.0 | 5327.4 | 5294.9 | 5262.5 | 5243.6 | 5213.9 | 5194.9 | 5170.6 | 5143.5 | 5127.3 |
| 15° | 5343.7 | 5308.5 | 5278.8 | 5243.6 | 5208.4 | 5186.8 | 5151.6 | 5130.0 | 5094.9 | 5067.8 | 5048.9 |
| 17.5° | 5286.9 | 5257.1 | 5224.7 | 5181.4 | 5149.0 | 5121.9 | 5084.0 | 5057.0 | 5024.5 | 4989.4 | 4970.4 |
| 20° | 5227.3 | 5192.2 | 5159.8 | 5116.5 | 5084.0 | 5051.6 | 5013.7 | 4984.0 | 4946.1 | 4913.7 | 4892.1 |
| 22.5° | 5149.0 | 5108.3 | 5081.3 | 5038.0 | 5000.1 | 4965.1 | 4929.9 | 4894.7 | 4859.6 | 4832.5 | 4808.1 |
| 25° | 5035.3 | 4992.0 | 4962.3 | 4927.1 | 4892.1 | 4865.0 | 4821.7 | 4800.1 | 4765.0 | 4740.6 | 4716.2 |
| 27.5° | 4873.0 | 4840.6 | 4813.6 | 4778.4 | 4748.7 | 4727.1 | 4694.6 | 4673.0 | 4643.2 | 4621.6 | 4602.7 |
| 30° | 4635.2 | 4608.1 | 4583.7 | 4548.6 | 4527.0 | 4508.0 | 4478.2 | 4459.3 | 4437.7 | 4413.3 | 4408.0 |
| 32.5° | 4316.0 | 4294.3 | 4270.1 | 4245.7 | 4229.4 | 4218.6 | 4194.3 | 4183.5 | 4161.9 | 4148.3 | 4134.8 |
| 35° | 3834.6 | 3815.7 | 3802.2 | 3791.4 | 3786.0 | 3788.7 | 3783.3 | 3794.1 | 3799.4 | 3796.8 | 3799.4 |
| 37.5° | 3204.6 | 3193.7 | 3199.2 | 3207.3 | 3234.3 | 3269.5 | 3301.9 | 3350.5 | 3383.0 | 3415.5 | 3445.3 |
| 40° | 2501.5 | 2509.6 | 2531.2 | 2579.8 | 2650.2 | 2728.6 | 2801.7 | 2893.6 | 2985.6 | 3050.4 | 3109.9 |
| 42.5° | 1887.6 | 1912.0 | 1966.0 | 2036.3 | 2141.8 | 2258.0 | 2371.7 | 2506.8 | 2617.8 | 2725.9 | 2801.7 |
| 45° | 1419.8 | 1452.1 | 1522.5 | 1619.9 | 1736.1 | 1871.3 | 2014.7 | 2166.1 | 2298.7 | 2409.5 | 2493.3 |
| 47.5° | 1106.1 | 1135.8 | 1206.2 | 1308.9 | 1452.1 | 1592.8 | 1741.6 | 1898.4 | 2036.3 | 2144.5 | 2217.5 |
| 50° | 873.4 | 911.3 | 973.5 | 1081.7 | 1225.1 | 1373.8 | 1528.0 | 1682.0 | 1811.9 | 1903.8 | 1968.7 |
| 52.5° | 686.9 | 722.1 | 781.5 | 895.2 | 1041.2 | 1189.9 | 1333.2 | 1484.7 | 1598.2 | 1687.5 | 1730.8 |
| 55° | 532.7 | 565.2 | 627.3 | 722.1 | 860.0 | 1006.0 | 1149.3 | 1279.2 | 1384.6 | 1449.5 | 1490.1 |
| 57.5° | 405.6 | 430.0 | 473.3 | 567.9 | 692.3 | 827.5 | 949.3 | 1079.0 | 1160.2 | 1206.2 | 1233.1 |
| 60° | 308.3 | 327.3 | 373.2 | 446.2 | 559.8 | 676.1 | 778.8 | 876.2 | 941.1 | 979.0 | 1006.0 |
| 62.5° | 232.5 | 254.2 | 286.6 | 348.8 | 435.3 | 530.1 | 616.5 | 689.6 | 743.7 | 768.0 | 787.0 |
| 65° | 159.5 | 175.8 | 200.1 | 248.8 | 321.8 | 389.4 | 457.0 | 511.1 | 546.3 | 573.4 | 584.2 |
| 67.5° | 119.0 | 129.8 | 143.4 | 181.2 | 232.5 | 286.6 | 332.6 | 370.4 | 408.4 | 419.2 | 438.1 |
| 70° | 89.3 | 97.4 | 110.9 | 137.9 | 167.6 | 205.5 | 243.4 | 265.0 | 292.1 | 311.0 | 316.5 |
| 72.5° | 56.8 | 59.4 | 73.0 | 89.3 | 113.5 | 137.9 | 162.3 | 181.2 | 197.5 | 208.3 | 213.6 |
| 75° | 32.5 | 48.6 | 48.6 | 64.9 | 81.1 | 91.9 | 108.2 | 121.7 | 129.8 | 137.9 | 137.9 |
| 77.5° | 21.6 | 29.7 | 32.5 | 40.5 | 48.6 | 62.2 | 75.7 | 83.8 | 91.9 | 94.6 | 94.6 |
| 80° | 18.9 | 21.6 | 21.6 | 29.7 | 35.2 | 46.0 | 54.1 | 56.8 | 62.2 | 64.9 | 70.3 |
| 82.5° | 8.1 | 10.8 | 13.5 | 21.6 | 24.4 | 24.4 | 32.5 | 35.2 | 40.5 | 43.3 | 43.3 |
| 85° | 2.7 | 5.5 | 5.5 | 8.1 | 13.5 | 16.3 | 18.9 | 21.6 | 24.4 | 24.4 | 27.0 |
| 87.5° | 2.7 | 2.7 | 0.0 | 2.7 | 5.5 | 5.5 | 10.8 | 10.8 | 10.8 | 16.3 | 16.3 |
| 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: P248995

CATALOG NUMBER: LD8B90D010 ER8B90835 8LBSW0MW

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 | 5538.3 |
| 2.5° | 5489.7 | 5492.4 | 5481.6 | 5478.9 | 5473.4 | 5476.1 | 5481.6 |
| 5° | 5389.6 | 5392.3 | 5381.5 | 5370.7 | 5370.7 | 5367.9 | 5370.7 |
| 7.5° | 5294.9 | 5297.7 | 5281.4 | 5276.0 | 5265.2 | 5268.0 | 5268.0 |
| 10° | 5200.3 | 5200.3 | 5176.0 | 5173.2 | 5165.1 | 5162.4 | 5162.4 |
| 12.5° | 5108.3 | 5100.2 | 5081.3 | 5070.5 | 5076.0 | 5059.7 | 5059.7 |
| 15° | 5027.2 | 5013.7 | 4989.4 | 4981.2 | 4967.8 | 4962.3 | 4962.3 |
| 17.5° | 4943.4 | 4932.6 | 4911.0 | 4894.7 | 4878.5 | 4875.8 | 4878.5 |
| 20° | 4862.2 | 4851.4 | 4824.4 | 4813.6 | 4800.1 | 4800.1 | 4794.7 |
| 22.5° | 4781.1 | 4770.3 | 4746.0 | 4737.9 | 4719.0 | 4719.0 | 4721.7 |
| 25° | 4697.3 | 4689.1 | 4662.1 | 4656.8 | 4654.1 | 4643.2 | 4648.6 |
| 27.5° | 4583.7 | 4578.3 | 4556.7 | 4548.6 | 4537.8 | 4535.1 | 4540.4 |
| 30° | 4375.5 | 4367.4 | 4351.2 | 4343.1 | 4324.2 | 4326.8 | 4332.2 |
| 32.5° | 4115.9 | 4105.1 | 4083.4 | 4075.3 | 4059.1 | 4053.7 | 4056.4 |
| 35° | 3791.4 | 3783.3 | 3764.4 | 3764.4 | 3748.1 | 3742.7 | 3748.1 |
| 37.5° | 3461.5 | 3469.5 | 3461.5 | 3469.5 | 3461.5 | 3458.7 | 3461.5 |
| 40° | 3150.5 | 3180.2 | 3185.6 | 3215.4 | 3204.6 | 3220.7 | 3218.1 |
| 42.5° | 2853.0 | 2901.6 | 2920.7 | 2944.9 | 2939.6 | 2950.4 | 2958.5 |
| 45° | 2552.8 | 2593.4 | 2612.3 | 2628.6 | 2631.3 | 2636.7 | 2639.4 |
| 47.5° | 2268.8 | 2301.3 | 2304.0 | 2322.9 | 2320.3 | 2320.3 | 2328.4 |
| 50° | 2003.9 | 2025.5 | 2030.8 | 2044.4 | 2033.6 | 2028.2 | 2030.8 |
| 52.5° | 1757.8 | 1779.4 | 1773.9 | 1779.4 | 1765.9 | 1760.5 | 1763.1 |
| 55° | 1506.2 | 1517.0 | 1517.0 | 1517.0 | 1500.9 | 1500.9 | 1500.9 |
| 57.5° | 1249.3 | 1252.1 | 1246.7 | 1249.3 | 1246.7 | 1230.4 | 1227.7 |
| 60° | 1014.1 | 1014.1 | 1011.4 | 1014.1 | 1006.0 | 997.9 | 997.9 |
| 62.5° | 792.3 | 797.8 | 808.6 | 797.8 | 792.3 | 797.8 | 789.6 |
| 65° | 592.3 | 603.1 | 600.3 | 605.7 | 603.1 | 603.1 | 597.6 |
| 67.5° | 446.2 | 448.9 | 451.6 | 454.4 | 454.4 | 454.4 | 454.4 |
| 70° | 327.3 | 335.4 | 332.6 | 332.6 | 332.6 | 332.6 | 348.8 |
| 72.5° | 219.1 | 229.9 | 227.2 | 232.5 | 232.5 | 238.0 | 232.5 |
| 75° | 148.7 | 159.5 | 154.2 | 162.3 | 159.5 | 154.2 | 167.6 |
| 77.5° | 100.1 | 105.5 | 108.2 | 110.9 | 108.2 | 105.5 | 108.2 |
| 80° | 70.3 | 75.7 | 73.0 | 75.7 | 75.7 | 75.7 | 78.5 |
| 82.5° | 43.3 | 51.4 | 48.6 | 51.4 | 48.6 | 51.4 | 51.4 |
| 85° | 29.7 | 32.5 | 27.0 | 32.5 | 29.7 | 29.7 | 35.2 |
| 87.5° | 18.9 | 16.3 | 16.3 | 18.9 | 16.3 | 18.9 | 16.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)