

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: P248797

Luminaire Tested: **LD8B90D010 ER8B90850 8LBSW0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248797
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 ER8B90850 8LBSW0GPH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8838.0 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

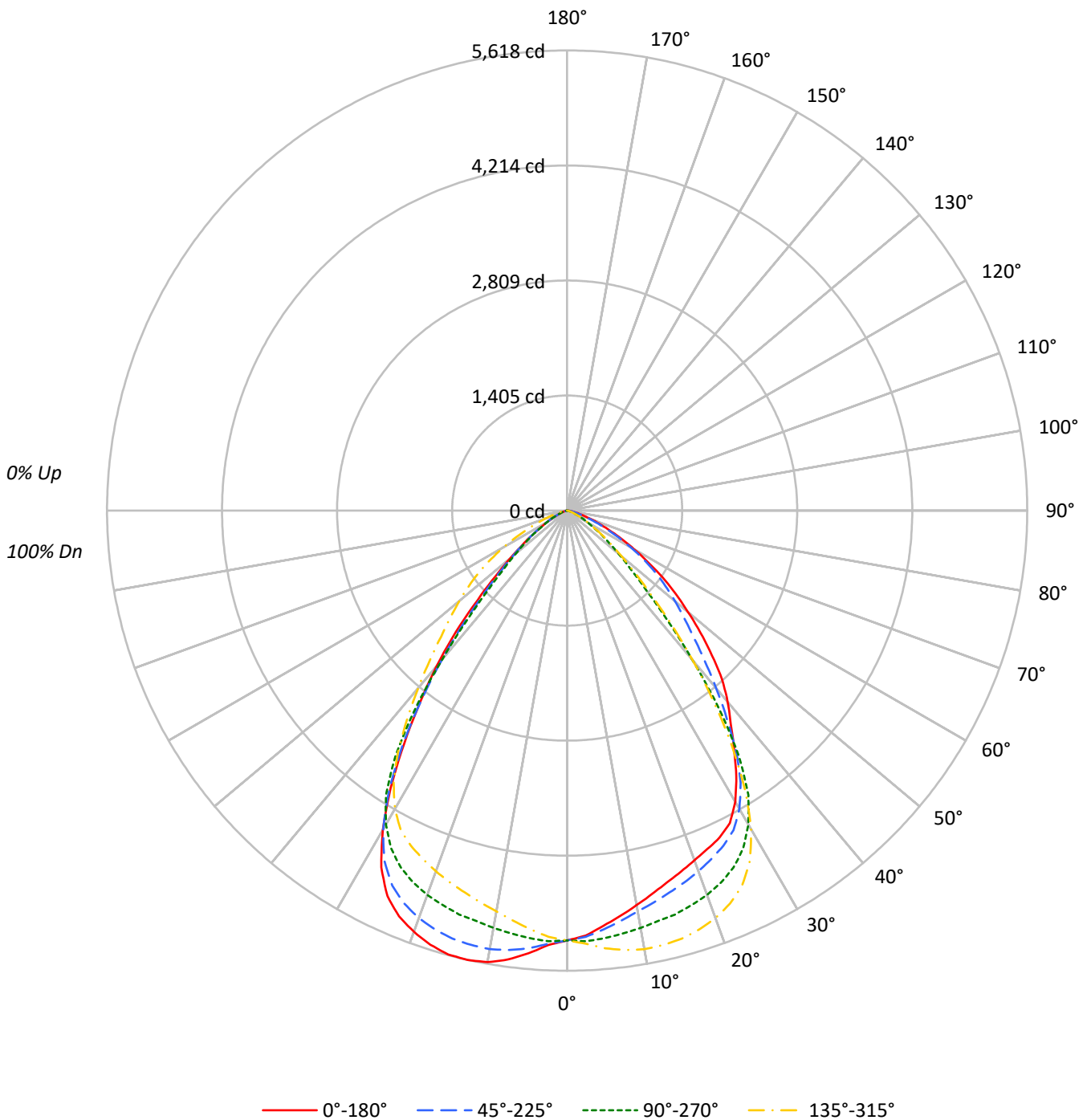
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

Luminous Intensity Polar Plot





TEST NUMBER: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

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° | 161792 | 161792 | 161792 | 161792 |
| 5° | 157494 | 162172 | 167963 | 162172 |
| 10° | 153138 | 161961 | 175278 | 161961 |
| 15° | 150078 | 162921 | 179113 | 162921 |
| 20° | 149057 | 163853 | 179575 | 163853 |
| 25° | 149842 | 163527 | 176691 | 163527 |
| 30° | 146137 | 157538 | 160369 | 157538 |
| 35° | 133671 | 137428 | 130392 | 137428 |
| 40° | 122722 | 95599 | 99830 | 95599 |
| 45° | 109045 | 58318 | 67481 | 58318 |
| 50° | 92300 | 38959 | 43262 | 38959 |
| 55° | 76443 | 26585 | 28096 | 26585 |
| 60° | 58305 | 17694 | 17854 | 17694 |
| 65° | 41313 | 11025 | 10098 | 11025 |
| 70° | 29798 | 7384 | 6699 | 7384 |
| 75° | 18920 | 3670 | 3050 | 3670 |
| 80° | 13194 | 2735 | 2273 | 2735 |
| 85° | 11782 | 0 | 885 | 0 |



TEST NUMBER: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 499.4 | 5.7 |
| 10°-20° | 1446.2 | 16.4 |
| 20°-30° | 2189.8 | 24.8 |
| 30°-40° | 2194.7 | 24.8 |
| 40°-50° | 1378.2 | 15.6 |
| 50°-60° | 734.4 | 8.3 |
| 60°-70° | 302.0 | 3.4 |
| 70°-80° | 79.8 | 0.9 |
| 80°-90° | 13.5 | 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° | 4135.4 | 46.8 |
| 0°-40° | 6330.1 | 71.6 |
| 0°-60° | 8442.7 | 95.5 |
| 0°-90° | 8838.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 8838.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 5247 | 5247 | 5247 | 5247 | 5247 | |
| 5° | 5088 | 5239 | 5426 | 5239 | 5088 | 480 |
| 15° | 4701 | 5103 | 5611 | 5103 | 4701 | 1330 |
| 25° | 4404 | 4806 | 5193 | 4806 | 4404 | 2020 |
| 35° | 3551 | 3651 | 3464 | 3651 | 3551 | 2225 |
| 45° | 2500 | 1337 | 1547 | 1337 | 2500 | 1923 |
| 55° | 1422 | 494 | 523 | 494 | 1422 | 1268 |
| 65° | 566 | 151 | 138 | 151 | 566 | 587 |
| 75° | 159 | 31 | 26 | 31 | 159 | 180 |
| 85° | 33 | 0 | 2 | 0 | 33 | 37 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 |
| 2.5° | 5193.1 | 5187.9 | 5185.4 | 5190.5 | 5193.1 | 5203.3 | 5200.8 | 5205.8 | 5205.8 | 5208.5 | 5213.5 |
| 5° | 5088.0 | 5085.4 | 5088.0 | 5088.0 | 5098.3 | 5108.5 | 5106.0 | 5113.7 | 5118.7 | 5131.6 | 5136.6 |
| 7.5° | 4990.7 | 4990.7 | 4988.1 | 4998.3 | 5003.5 | 5018.9 | 5016.2 | 5029.1 | 5036.8 | 5049.5 | 5067.5 |
| 10° | 4890.7 | 4890.7 | 4893.3 | 4901.0 | 4903.6 | 4926.6 | 4926.6 | 4944.5 | 4954.7 | 4967.6 | 4990.7 |
| 12.5° | 4793.4 | 4793.4 | 4808.8 | 4803.6 | 4813.9 | 4831.8 | 4839.5 | 4857.4 | 4872.8 | 4898.4 | 4921.5 |
| 15° | 4701.1 | 4701.1 | 4706.3 | 4719.1 | 4726.8 | 4749.8 | 4762.6 | 4783.2 | 4801.1 | 4826.7 | 4860.0 |
| 17.5° | 4621.7 | 4619.2 | 4621.7 | 4637.1 | 4652.5 | 4673.0 | 4683.2 | 4708.8 | 4726.8 | 4760.1 | 4790.9 |
| 20° | 4542.3 | 4547.5 | 4547.5 | 4560.2 | 4570.5 | 4596.1 | 4606.3 | 4634.6 | 4655.0 | 4685.7 | 4721.7 |
| 22.5° | 4473.1 | 4470.6 | 4470.6 | 4488.5 | 4496.2 | 4519.2 | 4529.5 | 4555.1 | 4578.2 | 4603.8 | 4637.1 |
| 25° | 4404.0 | 4398.8 | 4409.1 | 4411.7 | 4416.7 | 4442.4 | 4450.0 | 4468.0 | 4491.1 | 4514.2 | 4547.5 |
| 27.5° | 4301.5 | 4296.4 | 4298.9 | 4309.2 | 4316.9 | 4337.3 | 4342.5 | 4360.4 | 4378.3 | 4398.8 | 4427.1 |
| 30° | 4104.2 | 4099.1 | 4096.6 | 4114.5 | 4122.2 | 4137.5 | 4145.2 | 4176.0 | 4181.0 | 4204.1 | 4224.6 |
| 32.5° | 3842.9 | 3840.3 | 3845.5 | 3860.8 | 3868.5 | 3889.0 | 3899.3 | 3917.2 | 3930.0 | 3942.8 | 3963.3 |
| 35° | 3550.9 | 3545.7 | 3550.9 | 3566.3 | 3566.3 | 3584.2 | 3591.9 | 3599.5 | 3596.9 | 3599.5 | 3594.4 |
| 37.5° | 3279.3 | 3276.7 | 3279.3 | 3286.9 | 3279.3 | 3286.9 | 3279.3 | 3263.9 | 3235.8 | 3205.0 | 3174.2 |
| 40° | 3048.7 | 3051.2 | 3035.9 | 3046.2 | 3017.9 | 3012.9 | 2984.7 | 2946.2 | 2889.9 | 2828.4 | 2741.3 |
| 42.5° | 2802.8 | 2795.1 | 2784.9 | 2789.9 | 2766.9 | 2748.9 | 2702.8 | 2654.2 | 2582.4 | 2480.0 | 2374.9 |
| 45° | 2500.5 | 2497.9 | 2492.8 | 2490.2 | 2474.8 | 2456.9 | 2418.4 | 2362.1 | 2282.7 | 2177.7 | 2052.1 |
| 47.5° | 2205.8 | 2198.1 | 2198.1 | 2200.7 | 2182.7 | 2180.2 | 2149.4 | 2100.8 | 2031.6 | 1929.1 | 1798.5 |
| 50° | 1924.0 | 1921.4 | 1926.6 | 1936.8 | 1924.0 | 1918.9 | 1898.4 | 1865.1 | 1803.6 | 1716.5 | 1593.5 |
| 52.5° | 1670.4 | 1667.8 | 1673.0 | 1685.7 | 1680.6 | 1685.7 | 1665.3 | 1639.7 | 1598.6 | 1514.1 | 1406.5 |
| 55° | 1421.9 | 1421.9 | 1421.9 | 1437.2 | 1437.2 | 1437.2 | 1427.0 | 1411.7 | 1373.2 | 1311.7 | 1211.8 |
| 57.5° | 1163.1 | 1165.7 | 1181.1 | 1183.6 | 1181.1 | 1186.2 | 1183.6 | 1168.2 | 1142.7 | 1099.1 | 1022.2 |
| 60° | 945.4 | 945.4 | 953.1 | 960.8 | 958.1 | 960.8 | 960.8 | 953.1 | 927.4 | 891.6 | 830.1 |
| 62.5° | 748.1 | 755.8 | 750.6 | 755.8 | 766.0 | 755.8 | 750.6 | 745.5 | 727.6 | 704.5 | 653.3 |
| 65° | 566.2 | 571.3 | 571.3 | 573.9 | 568.7 | 571.3 | 561.1 | 553.4 | 543.2 | 517.6 | 484.2 |
| 67.5° | 430.5 | 430.5 | 430.5 | 430.5 | 427.8 | 425.3 | 422.8 | 415.1 | 397.1 | 386.9 | 350.9 |
| 70° | 330.5 | 315.1 | 315.1 | 315.1 | 315.1 | 317.7 | 310.0 | 299.8 | 294.6 | 276.7 | 251.1 |
| 72.5° | 220.3 | 225.5 | 220.3 | 220.3 | 215.2 | 217.8 | 207.5 | 202.4 | 197.3 | 187.1 | 171.7 |
| 75° | 158.8 | 146.1 | 151.1 | 153.7 | 146.1 | 151.1 | 140.9 | 130.7 | 130.7 | 123.0 | 115.3 |
| 77.5° | 102.5 | 100.0 | 102.5 | 105.0 | 102.5 | 100.0 | 94.8 | 89.6 | 89.6 | 87.1 | 79.4 |
| 80° | 74.3 | 71.7 | 71.7 | 71.7 | 69.2 | 71.7 | 66.6 | 66.6 | 61.5 | 58.9 | 53.8 |
| 82.5° | 48.7 | 48.7 | 46.1 | 48.7 | 46.1 | 48.7 | 41.0 | 41.0 | 41.0 | 38.4 | 33.3 |
| 85° | 33.3 | 28.2 | 28.2 | 30.8 | 25.6 | 30.8 | 28.2 | 25.6 | 23.1 | 23.1 | 20.5 |
| 87.5° | 15.4 | 17.9 | 15.4 | 17.9 | 15.4 | 15.4 | 17.9 | 15.4 | 15.4 | 10.2 | 10.2 |
| 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: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 |
| 2.5° | 5221.2 | 5223.7 | 5223.7 | 5234.1 | 5239.1 | 5241.7 | 5241.7 | 5262.2 | 5254.5 | 5259.7 | 5264.8 |
| 5° | 5147.0 | 5162.3 | 5167.4 | 5167.4 | 5195.6 | 5205.8 | 5216.0 | 5239.1 | 5241.7 | 5257.1 | 5275.0 |
| 7.5° | 5075.2 | 5093.1 | 5103.4 | 5126.4 | 5144.3 | 5162.3 | 5193.1 | 5208.5 | 5223.7 | 5244.3 | 5267.3 |
| 10° | 5006.0 | 5026.6 | 5047.0 | 5064.9 | 5093.1 | 5116.2 | 5136.6 | 5172.5 | 5190.5 | 5218.7 | 5249.4 |
| 12.5° | 4939.4 | 4967.6 | 4985.5 | 5016.2 | 5047.0 | 5067.5 | 5098.3 | 5131.6 | 5159.7 | 5187.9 | 5223.7 |
| 15° | 4880.5 | 4913.8 | 4934.3 | 4967.6 | 5000.9 | 5029.1 | 5062.4 | 5103.4 | 5123.9 | 5157.2 | 5190.5 |
| 17.5° | 4816.4 | 4852.3 | 4878.0 | 4908.7 | 4949.7 | 4980.4 | 5008.6 | 5049.5 | 5075.2 | 5111.0 | 5149.5 |
| 20° | 4749.8 | 4785.7 | 4816.4 | 4847.2 | 4888.2 | 4918.9 | 4952.2 | 4993.2 | 5021.4 | 5057.2 | 5088.0 |
| 22.5° | 4670.4 | 4703.8 | 4737.0 | 4772.8 | 4813.9 | 4839.5 | 4878.0 | 4913.8 | 4944.5 | 4977.8 | 5008.6 |
| 25° | 4567.9 | 4609.0 | 4634.6 | 4667.8 | 4701.1 | 4729.3 | 4770.3 | 4806.2 | 4831.8 | 4862.6 | 4890.7 |
| 27.5° | 4447.5 | 4478.3 | 4498.8 | 4526.9 | 4560.2 | 4585.9 | 4616.6 | 4652.5 | 4678.1 | 4706.3 | 4726.8 |
| 30° | 4242.5 | 4270.8 | 4288.7 | 4309.2 | 4342.5 | 4365.6 | 4391.2 | 4424.4 | 4442.4 | 4462.9 | 4480.8 |
| 32.5° | 3973.5 | 3996.6 | 4006.8 | 4022.2 | 4045.3 | 4068.3 | 4088.9 | 4117.0 | 4124.7 | 4137.5 | 4137.5 |
| 35° | 3584.2 | 3589.2 | 3586.7 | 3591.9 | 3602.1 | 3614.9 | 3632.8 | 3650.7 | 3661.0 | 3661.0 | 3653.4 |
| 37.5° | 3128.1 | 3097.4 | 3064.1 | 3038.5 | 3030.8 | 3025.6 | 3035.9 | 3043.5 | 3053.9 | 3058.9 | 3046.2 |
| 40° | 2654.2 | 2585.0 | 2510.7 | 2444.0 | 2398.0 | 2377.5 | 2369.8 | 2374.9 | 2374.9 | 2392.8 | 2392.8 |
| 42.5° | 2246.9 | 2139.2 | 2029.1 | 1929.1 | 1862.5 | 1811.3 | 1788.2 | 1788.2 | 1790.8 | 1803.6 | 1811.3 |
| 45° | 1908.7 | 1772.8 | 1644.7 | 1534.6 | 1442.4 | 1375.7 | 1345.0 | 1337.3 | 1334.8 | 1339.9 | 1357.8 |
| 47.5° | 1649.9 | 1509.0 | 1375.7 | 1240.0 | 1142.7 | 1076.0 | 1047.9 | 1037.5 | 1027.3 | 1037.5 | 1040.2 |
| 50° | 1447.5 | 1301.5 | 1160.6 | 1024.8 | 922.3 | 863.3 | 827.5 | 812.1 | 809.6 | 809.6 | 814.7 |
| 52.5° | 1263.0 | 1127.3 | 986.4 | 848.0 | 740.4 | 684.1 | 650.7 | 643.0 | 632.8 | 643.0 | 643.0 |
| 55° | 1088.8 | 953.1 | 814.7 | 684.1 | 594.3 | 535.5 | 504.7 | 494.5 | 489.3 | 497.0 | 497.0 |
| 57.5° | 899.3 | 783.9 | 655.9 | 538.0 | 448.4 | 407.4 | 384.3 | 371.5 | 368.9 | 374.0 | 368.9 |
| 60° | 737.8 | 640.5 | 530.3 | 422.8 | 353.6 | 310.0 | 292.1 | 286.9 | 281.8 | 286.9 | 286.9 |
| 62.5° | 584.1 | 502.2 | 412.4 | 330.5 | 271.5 | 240.9 | 220.3 | 220.3 | 217.8 | 217.8 | 220.3 |
| 65° | 433.0 | 368.9 | 304.9 | 235.7 | 189.6 | 166.5 | 151.1 | 151.1 | 148.6 | 151.1 | 148.6 |
| 67.5° | 315.1 | 271.5 | 220.3 | 171.7 | 135.8 | 123.0 | 112.7 | 105.0 | 110.2 | 105.0 | 102.5 |
| 70° | 230.6 | 194.7 | 158.8 | 130.7 | 105.0 | 92.3 | 84.6 | 81.9 | 76.9 | 76.9 | 76.9 |
| 72.5° | 153.7 | 130.7 | 107.6 | 84.6 | 69.2 | 56.3 | 53.8 | 48.7 | 43.6 | 46.1 | 51.2 |
| 75° | 102.5 | 87.1 | 76.9 | 61.5 | 46.1 | 46.1 | 30.8 | 30.8 | 25.6 | 30.8 | 23.1 |
| 77.5° | 71.7 | 58.9 | 46.1 | 38.4 | 30.8 | 28.2 | 20.5 | 20.5 | 17.9 | 17.9 | 17.9 |
| 80° | 51.2 | 43.6 | 33.3 | 28.2 | 20.5 | 20.5 | 17.9 | 15.4 | 12.8 | 12.8 | 15.4 |
| 82.5° | 30.8 | 23.1 | 23.1 | 20.5 | 12.8 | 10.2 | 7.7 | 10.2 | 5.2 | 5.2 | 5.2 |
| 85° | 17.9 | 15.4 | 12.8 | 7.7 | 5.2 | 5.2 | 2.5 | 0.0 | 2.5 | 2.5 | 0.0 |
| 87.5° | 10.2 | 5.2 | 5.2 | 2.5 | 0.0 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 | 5.2 |
| 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: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 |
| 2.5° | 5277.6 | 5275.0 | 5280.2 | 5280.2 | 5295.6 | 5292.9 | 5300.6 | 5300.6 | 5295.6 | 5298.1 | 5308.3 |
| 5° | 5295.6 | 5303.3 | 5318.5 | 5331.4 | 5354.4 | 5364.7 | 5377.5 | 5390.4 | 5392.9 | 5400.6 | 5408.3 |
| 7.5° | 5295.6 | 5321.2 | 5339.1 | 5362.1 | 5392.9 | 5410.8 | 5439.0 | 5462.1 | 5472.3 | 5485.1 | 5500.5 |
| 10° | 5285.2 | 5310.8 | 5344.2 | 5369.8 | 5408.3 | 5436.4 | 5464.6 | 5500.5 | 5515.8 | 5536.3 | 5556.9 |
| 12.5° | 5264.8 | 5292.9 | 5328.8 | 5362.1 | 5405.7 | 5431.3 | 5467.1 | 5500.5 | 5523.5 | 5551.7 | 5574.8 |
| 15° | 5234.1 | 5267.3 | 5300.6 | 5333.9 | 5380.0 | 5410.8 | 5444.1 | 5482.5 | 5505.6 | 5536.3 | 5556.9 |
| 17.5° | 5185.4 | 5221.2 | 5252.0 | 5282.7 | 5326.2 | 5362.1 | 5392.9 | 5428.7 | 5451.8 | 5477.5 | 5505.6 |
| 20° | 5126.4 | 5159.7 | 5193.1 | 5218.7 | 5262.2 | 5292.9 | 5326.2 | 5359.6 | 5377.5 | 5382.7 | 5426.2 |
| 22.5° | 5052.2 | 5075.2 | 5100.8 | 5141.8 | 5167.4 | 5195.6 | 5226.4 | 5257.1 | 5275.0 | 5303.3 | 5318.5 |
| 25° | 4929.1 | 4952.2 | 4980.4 | 4998.3 | 5029.1 | 5052.2 | 5082.9 | 5116.2 | 5126.4 | 5147.0 | 5162.3 |
| 27.5° | 4757.5 | 4770.3 | 4783.2 | 4798.5 | 4816.4 | 4829.3 | 4847.2 | 4862.6 | 4872.8 | 4883.0 | 4893.3 |
| 30° | 4485.9 | 4485.9 | 4485.9 | 4475.7 | 4483.4 | 4491.1 | 4493.6 | 4491.1 | 4491.1 | 4488.5 | 4488.5 |
| 32.5° | 4127.3 | 4106.8 | 4083.7 | 4063.3 | 4055.6 | 4045.3 | 4040.2 | 4032.5 | 4019.7 | 4012.0 | 4014.5 |
| 35° | 3643.0 | 3596.9 | 3568.8 | 3543.2 | 3522.7 | 3507.3 | 3499.6 | 3491.9 | 3489.4 | 3479.2 | 3468.8 |
| 37.5° | 3038.5 | 3005.2 | 2984.7 | 2969.3 | 2951.4 | 2936.0 | 2938.5 | 2941.1 | 2948.7 | 2943.7 | 2946.2 |
| 40° | 2398.0 | 2390.3 | 2398.0 | 2380.0 | 2374.9 | 2380.0 | 2392.8 | 2410.8 | 2421.1 | 2431.3 | 2449.2 |
| 42.5° | 1824.1 | 1836.9 | 1854.9 | 1854.9 | 1862.5 | 1872.8 | 1888.1 | 1916.4 | 1931.7 | 1949.6 | 1970.1 |
| 45° | 1373.2 | 1388.6 | 1411.7 | 1419.3 | 1424.4 | 1437.2 | 1455.2 | 1478.2 | 1488.4 | 1503.8 | 1521.8 |
| 47.5° | 1058.1 | 1068.3 | 1081.1 | 1094.0 | 1106.7 | 1111.9 | 1129.8 | 1129.8 | 1142.7 | 1152.9 | 1158.0 |
| 50° | 824.9 | 835.2 | 845.4 | 853.1 | 858.3 | 866.0 | 871.0 | 878.7 | 881.3 | 886.4 | 889.0 |
| 52.5° | 645.6 | 658.4 | 658.4 | 663.5 | 671.2 | 678.9 | 676.4 | 678.9 | 681.4 | 681.4 | 689.1 |
| 55° | 504.7 | 504.7 | 512.4 | 512.4 | 517.6 | 514.9 | 517.6 | 517.6 | 517.6 | 517.6 | 520.1 |
| 57.5° | 376.6 | 379.2 | 386.9 | 381.7 | 379.2 | 384.3 | 379.2 | 384.3 | 381.7 | 386.9 | 379.2 |
| 60° | 289.5 | 289.5 | 292.1 | 292.1 | 294.6 | 294.6 | 294.6 | 292.1 | 292.1 | 289.5 | 289.5 |
| 62.5° | 217.8 | 220.3 | 222.9 | 220.3 | 220.3 | 220.3 | 217.8 | 217.8 | 215.2 | 212.6 | 212.6 |
| 65° | 146.1 | 143.5 | 148.6 | 143.5 | 146.1 | 146.1 | 143.5 | 146.1 | 138.4 | 140.9 | 138.4 |
| 67.5° | 105.0 | 102.5 | 100.0 | 102.5 | 100.0 | 97.3 | 97.3 | 100.0 | 102.5 | 94.8 | 94.8 |
| 70° | 69.2 | 71.7 | 69.2 | 71.7 | 74.3 | 74.3 | 71.7 | 69.2 | 71.7 | 66.6 | 69.2 |
| 72.5° | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 46.1 | 46.1 | 46.1 | 41.0 | 41.0 | 38.4 |
| 75° | 20.5 | 28.2 | 23.1 | 20.5 | 28.2 | 28.2 | 25.6 | 25.6 | 23.1 | 23.1 | 23.1 |
| 77.5° | 20.5 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 12.8 | 15.4 | 12.8 |
| 80° | 10.2 | 10.2 | 10.2 | 7.7 | 10.2 | 10.2 | 12.8 | 10.2 | 10.2 | 7.7 | 12.8 |
| 82.5° | 5.2 | 5.2 | 5.2 | 0.0 | 2.5 | 5.2 | 5.2 | 2.5 | 5.2 | 5.2 | 2.5 |
| 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: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 |
| 2.5° | 5305.8 | 5303.3 | 5305.8 | 5308.3 | 5305.8 | 5303.3 | 5305.8 | 5308.3 | 5298.1 | 5295.6 | 5300.6 |
| 5° | 5418.5 | 5418.5 | 5423.6 | 5426.2 | 5423.6 | 5418.5 | 5418.5 | 5408.3 | 5400.6 | 5392.9 | 5390.4 |
| 7.5° | 5515.8 | 5521.0 | 5526.1 | 5528.6 | 5526.1 | 5521.0 | 5515.8 | 5500.5 | 5485.1 | 5472.3 | 5462.1 |
| 10° | 5574.8 | 5582.5 | 5592.7 | 5597.8 | 5592.7 | 5582.5 | 5574.8 | 5556.9 | 5536.3 | 5515.8 | 5500.5 |
| 12.5° | 5600.4 | 5608.1 | 5620.9 | 5618.3 | 5620.9 | 5608.1 | 5600.4 | 5574.8 | 5551.7 | 5523.5 | 5500.5 |
| 15° | 5582.5 | 5592.7 | 5605.5 | 5610.6 | 5605.5 | 5592.7 | 5582.5 | 5556.9 | 5536.3 | 5505.6 | 5482.5 |
| 17.5° | 5526.1 | 5541.5 | 5549.2 | 5556.9 | 5549.2 | 5541.5 | 5526.1 | 5505.6 | 5477.5 | 5451.8 | 5428.7 |
| 20° | 5449.2 | 5459.5 | 5469.8 | 5472.3 | 5469.8 | 5459.5 | 5449.2 | 5426.2 | 5382.7 | 5377.5 | 5359.6 |
| 22.5° | 5339.1 | 5346.8 | 5369.8 | 5362.1 | 5369.8 | 5346.8 | 5339.1 | 5318.5 | 5303.3 | 5275.0 | 5257.1 |
| 25° | 5180.2 | 5187.9 | 5190.5 | 5193.1 | 5190.5 | 5187.9 | 5180.2 | 5162.3 | 5147.0 | 5126.4 | 5116.2 |
| 27.5° | 4906.1 | 4906.1 | 4911.2 | 4913.8 | 4911.2 | 4906.1 | 4906.1 | 4893.3 | 4883.0 | 4872.8 | 4862.6 |
| 30° | 4491.1 | 4491.1 | 4491.1 | 4503.9 | 4491.1 | 4491.1 | 4491.1 | 4488.5 | 4488.5 | 4491.1 | 4491.1 |
| 32.5° | 4012.0 | 4006.8 | 4001.8 | 4006.8 | 4001.8 | 4006.8 | 4012.0 | 4014.5 | 4012.0 | 4019.7 | 4032.5 |
| 35° | 3468.8 | 3466.3 | 3474.0 | 3463.8 | 3474.0 | 3466.3 | 3468.8 | 3468.8 | 3479.2 | 3489.4 | 3491.9 |
| 37.5° | 2948.7 | 2943.7 | 2953.9 | 2943.7 | 2953.9 | 2943.7 | 2948.7 | 2946.2 | 2943.7 | 2948.7 | 2941.1 |
| 40° | 2454.4 | 2459.4 | 2459.4 | 2480.0 | 2459.4 | 2459.4 | 2454.4 | 2449.2 | 2431.3 | 2421.1 | 2410.8 |
| 42.5° | 1980.4 | 1995.8 | 1990.6 | 2006.0 | 1990.6 | 1995.8 | 1980.4 | 1970.1 | 1949.6 | 1931.7 | 1916.4 |
| 45° | 1532.0 | 1542.3 | 1542.3 | 1547.4 | 1542.3 | 1542.3 | 1532.0 | 1521.8 | 1503.8 | 1488.4 | 1478.2 |
| 47.5° | 1175.9 | 1175.9 | 1175.9 | 1178.5 | 1175.9 | 1175.9 | 1175.9 | 1158.0 | 1152.9 | 1142.7 | 1129.8 |
| 50° | 894.1 | 896.7 | 899.3 | 901.8 | 899.3 | 896.7 | 894.1 | 889.0 | 886.4 | 881.3 | 878.7 |
| 52.5° | 686.6 | 689.1 | 684.1 | 689.1 | 684.1 | 689.1 | 686.6 | 689.1 | 681.4 | 681.4 | 678.9 |
| 55° | 520.1 | 517.6 | 520.1 | 522.6 | 520.1 | 517.6 | 520.1 | 520.1 | 517.6 | 517.6 | 517.6 |
| 57.5° | 381.7 | 376.6 | 376.6 | 376.6 | 376.6 | 376.6 | 381.7 | 379.2 | 386.9 | 381.7 | 384.3 |
| 60° | 284.4 | 286.9 | 286.9 | 289.5 | 286.9 | 286.9 | 284.4 | 289.5 | 289.5 | 292.1 | 292.1 |
| 62.5° | 210.1 | 217.8 | 212.6 | 217.8 | 212.6 | 217.8 | 210.1 | 212.6 | 212.6 | 215.2 | 217.8 |
| 65° | 135.8 | 135.8 | 135.8 | 138.4 | 135.8 | 135.8 | 135.8 | 138.4 | 140.9 | 138.4 | 146.1 |
| 67.5° | 92.3 | 94.8 | 100.0 | 97.3 | 100.0 | 94.8 | 92.3 | 94.8 | 94.8 | 102.5 | 100.0 |
| 70° | 74.3 | 66.6 | 66.6 | 74.3 | 66.6 | 66.6 | 74.3 | 69.2 | 66.6 | 71.7 | 69.2 |
| 72.5° | 43.6 | 38.4 | 43.6 | 43.6 | 43.6 | 38.4 | 43.6 | 38.4 | 41.0 | 41.0 | 46.1 |
| 75° | 23.1 | 20.5 | 17.9 | 25.6 | 17.9 | 20.5 | 23.1 | 23.1 | 23.1 | 23.1 | 25.6 |
| 77.5° | 15.4 | 12.8 | 17.9 | 17.9 | 17.9 | 12.8 | 15.4 | 12.8 | 15.4 | 12.8 | 15.4 |
| 80° | 7.7 | 10.2 | 7.7 | 12.8 | 7.7 | 10.2 | 7.7 | 12.8 | 7.7 | 10.2 | 10.2 |
| 82.5° | 2.5 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 2.5 | 2.5 | 5.2 | 5.2 | 2.5 |
| 85° | 0.0 | 5.2 | 2.5 | 2.5 | 2.5 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.5 | 0.0 | 0.0 | 2.5 | 0.0 | 0.0 | 2.5 | 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: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 |
| 2.5° | 5300.6 | 5292.9 | 5295.6 | 5280.2 | 5280.2 | 5275.0 | 5277.6 | 5264.8 | 5259.7 | 5254.5 | 5262.2 |
| 5° | 5377.5 | 5364.7 | 5354.4 | 5331.4 | 5318.5 | 5303.3 | 5295.6 | 5275.0 | 5257.1 | 5241.7 | 5239.1 |
| 7.5° | 5439.0 | 5410.8 | 5392.9 | 5362.1 | 5339.1 | 5321.2 | 5295.6 | 5267.3 | 5244.3 | 5223.7 | 5208.5 |
| 10° | 5464.6 | 5436.4 | 5408.3 | 5369.8 | 5344.2 | 5310.8 | 5285.2 | 5249.4 | 5218.7 | 5190.5 | 5172.5 |
| 12.5° | 5467.1 | 5431.3 | 5405.7 | 5362.1 | 5328.8 | 5292.9 | 5264.8 | 5223.7 | 5187.9 | 5159.7 | 5131.6 |
| 15° | 5444.1 | 5410.8 | 5380.0 | 5333.9 | 5300.6 | 5267.3 | 5234.1 | 5190.5 | 5157.2 | 5123.9 | 5103.4 |
| 17.5° | 5392.9 | 5362.1 | 5326.2 | 5282.7 | 5252.0 | 5221.2 | 5185.4 | 5149.5 | 5111.0 | 5075.2 | 5049.5 |
| 20° | 5326.2 | 5292.9 | 5262.2 | 5218.7 | 5193.1 | 5159.7 | 5126.4 | 5088.0 | 5057.2 | 5021.4 | 4993.2 |
| 22.5° | 5226.4 | 5195.6 | 5167.4 | 5141.8 | 5100.8 | 5075.2 | 5052.2 | 5008.6 | 4977.8 | 4944.5 | 4913.8 |
| 25° | 5082.9 | 5052.2 | 5029.1 | 4998.3 | 4980.4 | 4952.2 | 4929.1 | 4890.7 | 4862.6 | 4831.8 | 4806.2 |
| 27.5° | 4847.2 | 4829.3 | 4816.4 | 4798.5 | 4783.2 | 4770.3 | 4757.5 | 4726.8 | 4706.3 | 4678.1 | 4652.5 |
| 30° | 4493.6 | 4491.1 | 4483.4 | 4475.7 | 4485.9 | 4485.9 | 4485.9 | 4480.8 | 4462.9 | 4442.4 | 4424.4 |
| 32.5° | 4040.2 | 4045.3 | 4055.6 | 4063.3 | 4083.7 | 4106.8 | 4127.3 | 4137.5 | 4137.5 | 4124.7 | 4117.0 |
| 35° | 3499.6 | 3507.3 | 3522.7 | 3543.2 | 3568.8 | 3596.9 | 3643.0 | 3653.4 | 3661.0 | 3661.0 | 3650.7 |
| 37.5° | 2938.5 | 2936.0 | 2951.4 | 2969.3 | 2984.7 | 3005.2 | 3038.5 | 3046.2 | 3058.9 | 3053.9 | 3043.5 |
| 40° | 2392.8 | 2380.0 | 2374.9 | 2380.0 | 2398.0 | 2390.3 | 2398.0 | 2392.8 | 2392.8 | 2374.9 | 2374.9 |
| 42.5° | 1888.1 | 1872.8 | 1862.5 | 1854.9 | 1854.9 | 1836.9 | 1824.1 | 1811.3 | 1803.6 | 1790.8 | 1788.2 |
| 45° | 1455.2 | 1437.2 | 1424.4 | 1419.3 | 1411.7 | 1388.6 | 1373.2 | 1357.8 | 1339.9 | 1334.8 | 1337.3 |
| 47.5° | 1129.8 | 1111.9 | 1106.7 | 1094.0 | 1081.1 | 1068.3 | 1058.1 | 1040.2 | 1037.5 | 1027.3 | 1037.5 |
| 50° | 871.0 | 866.0 | 858.3 | 853.1 | 845.4 | 835.2 | 824.9 | 814.7 | 809.6 | 809.6 | 812.1 |
| 52.5° | 676.4 | 678.9 | 671.2 | 663.5 | 658.4 | 658.4 | 645.6 | 643.0 | 643.0 | 632.8 | 643.0 |
| 55° | 517.6 | 514.9 | 517.6 | 512.4 | 512.4 | 504.7 | 504.7 | 497.0 | 497.0 | 489.3 | 494.5 |
| 57.5° | 379.2 | 384.3 | 379.2 | 381.7 | 386.9 | 379.2 | 376.6 | 368.9 | 374.0 | 368.9 | 371.5 |
| 60° | 294.6 | 294.6 | 294.6 | 292.1 | 292.1 | 289.5 | 289.5 | 286.9 | 286.9 | 281.8 | 286.9 |
| 62.5° | 217.8 | 220.3 | 220.3 | 220.3 | 222.9 | 220.3 | 217.8 | 220.3 | 217.8 | 217.8 | 220.3 |
| 65° | 143.5 | 146.1 | 146.1 | 143.5 | 148.6 | 143.5 | 146.1 | 148.6 | 151.1 | 148.6 | 151.1 |
| 67.5° | 97.3 | 97.3 | 100.0 | 102.5 | 100.0 | 102.5 | 105.0 | 102.5 | 105.0 | 110.2 | 105.0 |
| 70° | 71.7 | 74.3 | 74.3 | 71.7 | 69.2 | 71.7 | 69.2 | 76.9 | 76.9 | 76.9 | 81.9 |
| 72.5° | 46.1 | 46.1 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 51.2 | 46.1 | 43.6 | 48.7 |
| 75° | 25.6 | 28.2 | 28.2 | 20.5 | 23.1 | 28.2 | 20.5 | 23.1 | 30.8 | 25.6 | 30.8 |
| 77.5° | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 15.4 | 20.5 | 17.9 | 17.9 | 17.9 | 20.5 |
| 80° | 12.8 | 10.2 | 10.2 | 7.7 | 10.2 | 10.2 | 10.2 | 15.4 | 12.8 | 12.8 | 15.4 |
| 82.5° | 5.2 | 5.2 | 2.5 | 0.0 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 10.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 2.5 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | 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: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 |
| 2.5° | 5241.7 | 5241.7 | 5239.1 | 5234.1 | 5223.7 | 5223.7 | 5221.2 | 5213.5 | 5208.5 | 5205.8 | 5205.8 |
| 5° | 5216.0 | 5205.8 | 5195.6 | 5167.4 | 5167.4 | 5162.3 | 5147.0 | 5136.6 | 5131.6 | 5118.7 | 5113.7 |
| 7.5° | 5193.1 | 5162.3 | 5144.3 | 5126.4 | 5103.4 | 5093.1 | 5075.2 | 5067.5 | 5049.5 | 5036.8 | 5029.1 |
| 10° | 5136.6 | 5116.2 | 5093.1 | 5064.9 | 5047.0 | 5026.6 | 5006.0 | 4990.7 | 4967.6 | 4954.7 | 4944.5 |
| 12.5° | 5098.3 | 5067.5 | 5047.0 | 5016.2 | 4985.5 | 4967.6 | 4939.4 | 4921.5 | 4898.4 | 4872.8 | 4857.4 |
| 15° | 5062.4 | 5029.1 | 5000.9 | 4967.6 | 4934.3 | 4913.8 | 4880.5 | 4860.0 | 4826.7 | 4801.1 | 4783.2 |
| 17.5° | 5008.6 | 4980.4 | 4949.7 | 4908.7 | 4878.0 | 4852.3 | 4816.4 | 4790.9 | 4760.1 | 4726.8 | 4708.8 |
| 20° | 4952.2 | 4918.9 | 4888.2 | 4847.2 | 4816.4 | 4785.7 | 4749.8 | 4721.7 | 4685.7 | 4655.0 | 4634.6 |
| 22.5° | 4878.0 | 4839.5 | 4813.9 | 4772.8 | 4737.0 | 4703.8 | 4670.4 | 4637.1 | 4603.8 | 4578.2 | 4555.1 |
| 25° | 4770.3 | 4729.3 | 4701.1 | 4667.8 | 4634.6 | 4609.0 | 4567.9 | 4547.5 | 4514.2 | 4491.1 | 4468.0 |
| 27.5° | 4616.6 | 4585.9 | 4560.2 | 4526.9 | 4498.8 | 4478.3 | 4447.5 | 4427.1 | 4398.8 | 4378.3 | 4360.4 |
| 30° | 4391.2 | 4365.6 | 4342.5 | 4309.2 | 4288.7 | 4270.8 | 4242.5 | 4224.6 | 4204.1 | 4181.0 | 4176.0 |
| 32.5° | 4088.9 | 4068.3 | 4045.3 | 4022.2 | 4006.8 | 3996.6 | 3973.5 | 3963.3 | 3942.8 | 3930.0 | 3917.2 |
| 35° | 3632.8 | 3614.9 | 3602.1 | 3591.9 | 3586.7 | 3589.2 | 3584.2 | 3594.4 | 3599.5 | 3596.9 | 3599.5 |
| 37.5° | 3035.9 | 3025.6 | 3030.8 | 3038.5 | 3064.1 | 3097.4 | 3128.1 | 3174.2 | 3205.0 | 3235.8 | 3263.9 |
| 40° | 2369.8 | 2377.5 | 2398.0 | 2444.0 | 2510.7 | 2585.0 | 2654.2 | 2741.3 | 2828.4 | 2889.9 | 2946.2 |
| 42.5° | 1788.2 | 1811.3 | 1862.5 | 1929.1 | 2029.1 | 2139.2 | 2246.9 | 2374.9 | 2480.0 | 2582.4 | 2654.2 |
| 45° | 1345.0 | 1375.7 | 1442.4 | 1534.6 | 1644.7 | 1772.8 | 1908.7 | 2052.1 | 2177.7 | 2282.7 | 2362.1 |
| 47.5° | 1047.9 | 1076.0 | 1142.7 | 1240.0 | 1375.7 | 1509.0 | 1649.9 | 1798.5 | 1929.1 | 2031.6 | 2100.8 |
| 50° | 827.5 | 863.3 | 922.3 | 1024.8 | 1160.6 | 1301.5 | 1447.5 | 1593.5 | 1716.5 | 1803.6 | 1865.1 |
| 52.5° | 650.7 | 684.1 | 740.4 | 848.0 | 986.4 | 1127.3 | 1263.0 | 1406.5 | 1514.1 | 1598.6 | 1639.7 |
| 55° | 504.7 | 535.5 | 594.3 | 684.1 | 814.7 | 953.1 | 1088.8 | 1211.8 | 1311.7 | 1373.2 | 1411.7 |
| 57.5° | 384.3 | 407.4 | 448.4 | 538.0 | 655.9 | 783.9 | 899.3 | 1022.2 | 1099.1 | 1142.7 | 1168.2 |
| 60° | 292.1 | 310.0 | 353.6 | 422.8 | 530.3 | 640.5 | 737.8 | 830.1 | 891.6 | 927.4 | 953.1 |
| 62.5° | 220.3 | 240.9 | 271.5 | 330.5 | 412.4 | 502.2 | 584.1 | 653.3 | 704.5 | 727.6 | 745.5 |
| 65° | 151.1 | 166.5 | 189.6 | 235.7 | 304.9 | 368.9 | 433.0 | 484.2 | 517.6 | 543.2 | 553.4 |
| 67.5° | 112.7 | 123.0 | 135.8 | 171.7 | 220.3 | 271.5 | 315.1 | 350.9 | 386.9 | 397.1 | 415.1 |
| 70° | 84.6 | 92.3 | 105.0 | 130.7 | 158.8 | 194.7 | 230.6 | 251.1 | 276.7 | 294.6 | 299.8 |
| 72.5° | 53.8 | 56.3 | 69.2 | 84.6 | 107.6 | 130.7 | 153.7 | 171.7 | 187.1 | 197.3 | 202.4 |
| 75° | 30.8 | 46.1 | 46.1 | 61.5 | 76.9 | 87.1 | 102.5 | 115.3 | 123.0 | 130.7 | 130.7 |
| 77.5° | 20.5 | 28.2 | 30.8 | 38.4 | 46.1 | 58.9 | 71.7 | 79.4 | 87.1 | 89.6 | 89.6 |
| 80° | 17.9 | 20.5 | 20.5 | 28.2 | 33.3 | 43.6 | 51.2 | 53.8 | 58.9 | 61.5 | 66.6 |
| 82.5° | 7.7 | 10.2 | 12.8 | 20.5 | 23.1 | 23.1 | 30.8 | 33.3 | 38.4 | 41.0 | 41.0 |
| 85° | 2.5 | 5.2 | 5.2 | 7.7 | 12.8 | 15.4 | 17.9 | 20.5 | 23.1 | 23.1 | 25.6 |
| 87.5° | 2.5 | 2.5 | 0.0 | 2.5 | 5.2 | 5.2 | 10.2 | 10.2 | 10.2 | 15.4 | 15.4 |
| 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: P248797

CATALOG NUMBER: LD8B90D010 ER8B90850 8LBSW0GPH

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 | 5246.8 |
| 2.5° | 5200.8 | 5203.3 | 5193.1 | 5190.5 | 5185.4 | 5187.9 | 5193.1 |
| 5° | 5106.0 | 5108.5 | 5098.3 | 5088.0 | 5088.0 | 5085.4 | 5088.0 |
| 7.5° | 5016.2 | 5018.9 | 5003.5 | 4998.3 | 4988.1 | 4990.7 | 4990.7 |
| 10° | 4926.6 | 4926.6 | 4903.6 | 4901.0 | 4893.3 | 4890.7 | 4890.7 |
| 12.5° | 4839.5 | 4831.8 | 4813.9 | 4803.6 | 4808.8 | 4793.4 | 4793.4 |
| 15° | 4762.6 | 4749.8 | 4726.8 | 4719.1 | 4706.3 | 4701.1 | 4701.1 |
| 17.5° | 4683.2 | 4673.0 | 4652.5 | 4637.1 | 4621.7 | 4619.2 | 4621.7 |
| 20° | 4606.3 | 4596.1 | 4570.5 | 4560.2 | 4547.5 | 4547.5 | 4542.3 |
| 22.5° | 4529.5 | 4519.2 | 4496.2 | 4488.5 | 4470.6 | 4470.6 | 4473.1 |
| 25° | 4450.0 | 4442.4 | 4416.7 | 4411.7 | 4409.1 | 4398.8 | 4404.0 |
| 27.5° | 4342.5 | 4337.3 | 4316.9 | 4309.2 | 4298.9 | 4296.4 | 4301.5 |
| 30° | 4145.2 | 4137.5 | 4122.2 | 4114.5 | 4096.6 | 4099.1 | 4104.2 |
| 32.5° | 3899.3 | 3889.0 | 3868.5 | 3860.8 | 3845.5 | 3840.3 | 3842.9 |
| 35° | 3591.9 | 3584.2 | 3566.3 | 3566.3 | 3550.9 | 3545.7 | 3550.9 |
| 37.5° | 3279.3 | 3286.9 | 3279.3 | 3286.9 | 3279.3 | 3276.7 | 3279.3 |
| 40° | 2984.7 | 3012.9 | 3017.9 | 3046.2 | 3035.9 | 3051.2 | 3048.7 |
| 42.5° | 2702.8 | 2748.9 | 2766.9 | 2789.9 | 2784.9 | 2795.1 | 2802.8 |
| 45° | 2418.4 | 2456.9 | 2474.8 | 2490.2 | 2492.8 | 2497.9 | 2500.5 |
| 47.5° | 2149.4 | 2180.2 | 2182.7 | 2200.7 | 2198.1 | 2198.1 | 2205.8 |
| 50° | 1898.4 | 1918.9 | 1924.0 | 1936.8 | 1926.6 | 1921.4 | 1924.0 |
| 52.5° | 1665.3 | 1685.7 | 1680.6 | 1685.7 | 1673.0 | 1667.8 | 1670.4 |
| 55° | 1427.0 | 1437.2 | 1437.2 | 1437.2 | 1421.9 | 1421.9 | 1421.9 |
| 57.5° | 1183.6 | 1186.2 | 1181.1 | 1183.6 | 1181.1 | 1165.7 | 1163.1 |
| 60° | 960.8 | 960.8 | 958.1 | 960.8 | 953.1 | 945.4 | 945.4 |
| 62.5° | 750.6 | 755.8 | 766.0 | 755.8 | 750.6 | 755.8 | 748.1 |
| 65° | 561.1 | 571.3 | 568.7 | 573.9 | 571.3 | 571.3 | 566.2 |
| 67.5° | 422.8 | 425.3 | 427.8 | 430.5 | 430.5 | 430.5 | 430.5 |
| 70° | 310.0 | 317.7 | 315.1 | 315.1 | 315.1 | 315.1 | 330.5 |
| 72.5° | 207.5 | 217.8 | 215.2 | 220.3 | 220.3 | 225.5 | 220.3 |
| 75° | 140.9 | 151.1 | 146.1 | 153.7 | 151.1 | 146.1 | 158.8 |
| 77.5° | 94.8 | 100.0 | 102.5 | 105.0 | 102.5 | 100.0 | 102.5 |
| 80° | 66.6 | 71.7 | 69.2 | 71.7 | 71.7 | 71.7 | 74.3 |
| 82.5° | 41.0 | 48.7 | 46.1 | 48.7 | 46.1 | 48.7 | 48.7 |
| 85° | 28.2 | 30.8 | 25.6 | 30.8 | 28.2 | 28.2 | 33.3 |
| 87.5° | 17.9 | 15.4 | 15.4 | 17.9 | 15.4 | 17.9 | 15.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)