

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: P248752

Luminaire Tested: **LD8B90D010 ER8B90930 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248752
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 ER8B90930 8LBSW0WMH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7717.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

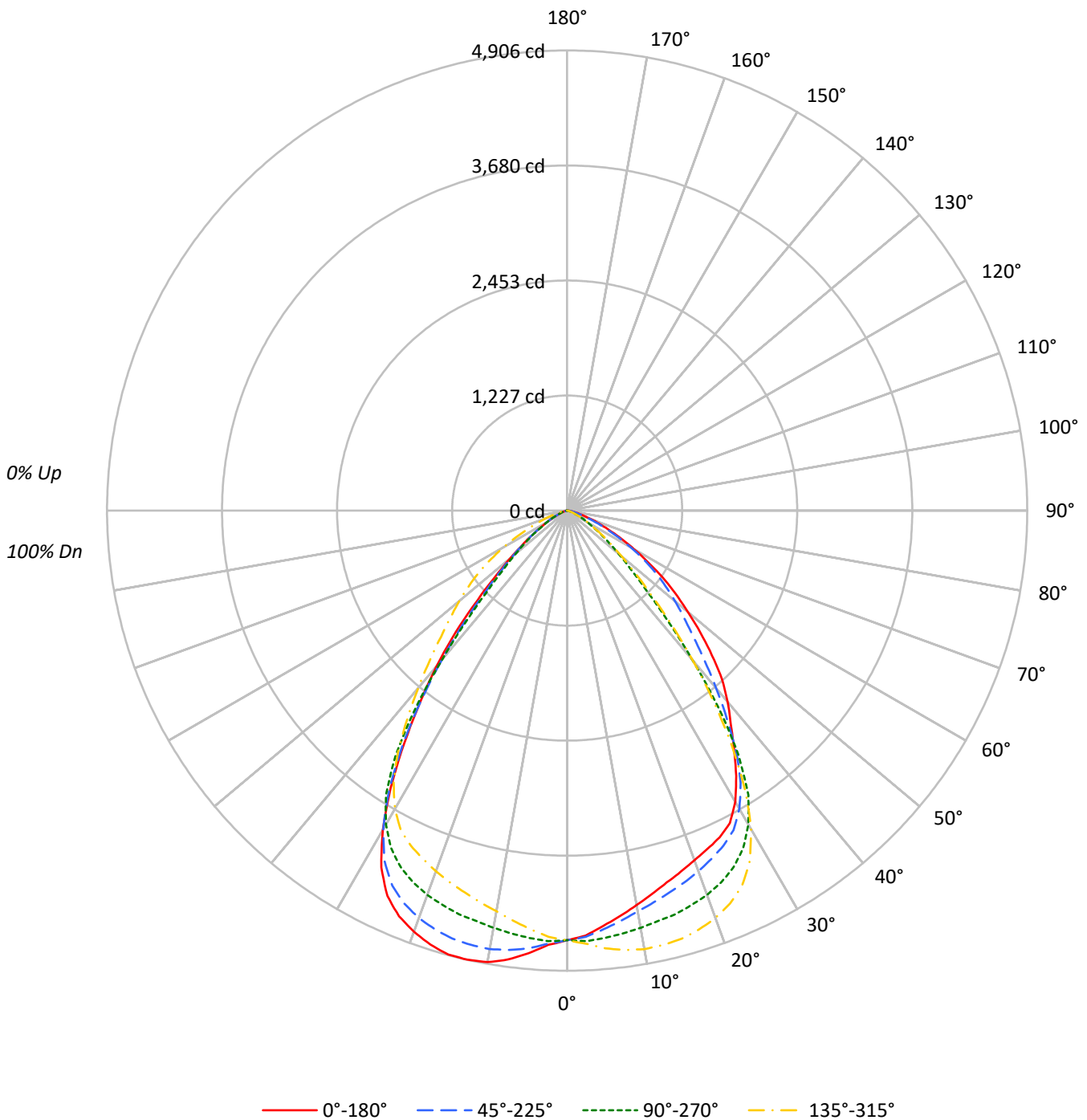
Input Watts (W): 86.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248752

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P248752

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

| | | | | |
|-----|--|-----|------|------|
| | 0° | 90° | 180° | 270° |
| 0° | Luminaire represents a point source (luminous area is zero). | | | |
| 5° | No luminance values can be calculated. | | | |
| 10° | | | | |
| 15° | | | | |
| 20° | | | | |
| 25° | | | | |
| 30° | | | | |
| 35° | | | | |
| 40° | | | | |
| 45° | | | | |
| 50° | | | | |
| 55° | | | | |
| 60° | | | | |
| 65° | | | | |
| 70° | | | | |
| 75° | | | | |
| 80° | | | | |
| 85° | | | | |



TEST NUMBER: P248752

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 436.1 | 5.7 |
| 10°-20° | 1262.7 | 16.4 |
| 20°-30° | 1912.0 | 24.8 |
| 30°-40° | 1916.3 | 24.8 |
| 40°-50° | 1203.4 | 15.6 |
| 50°-60° | 641.3 | 8.3 |
| 60°-70° | 263.7 | 3.4 |
| 70°-80° | 69.7 | 0.9 |
| 80°-90° | 11.8 | 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° | 3610.8 | 46.8 |
| 0°-40° | 5527.2 | 71.6 |
| 0°-60° | 7371.8 | 95.5 |
| 0°-90° | 7717.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7717.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4581 | 4581 | 4581 | 4581 | 4581 | |
| 5° | 4443 | 4575 | 4738 | 4575 | 4443 | 419 |
| 15° | 4105 | 4456 | 4899 | 4456 | 4105 | 1161 |
| 25° | 3845 | 4197 | 4534 | 4197 | 3845 | 1764 |
| 35° | 3100 | 3188 | 3024 | 3188 | 3100 | 1942 |
| 45° | 2183 | 1168 | 1351 | 1168 | 2183 | 1679 |
| 55° | 1242 | 432 | 456 | 432 | 1242 | 1107 |
| 65° | 494 | 132 | 121 | 132 | 494 | 513 |
| 75° | 139 | 27 | 22 | 27 | 139 | 157 |
| 85° | 29 | 0 | 2 | 0 | 29 | 32 |
| 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° | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 |
| 2.5° | 4534.3 | 4529.8 | 4527.6 | 4532.2 | 4534.3 | 4543.3 | 4541.1 | 4545.5 | 4545.5 | 4547.8 | 4552.3 |
| 5° | 4442.6 | 4440.4 | 4442.6 | 4442.6 | 4451.6 | 4460.5 | 4458.3 | 4465.1 | 4469.4 | 4480.6 | 4485.1 |
| 7.5° | 4357.7 | 4357.7 | 4355.3 | 4364.3 | 4368.8 | 4382.2 | 4380.0 | 4391.2 | 4397.9 | 4409.0 | 4424.7 |
| 10° | 4270.3 | 4270.3 | 4272.6 | 4279.3 | 4281.7 | 4301.7 | 4301.7 | 4317.3 | 4326.3 | 4337.5 | 4357.7 |
| 12.5° | 4185.4 | 4185.4 | 4198.8 | 4194.3 | 4203.3 | 4218.9 | 4225.6 | 4241.3 | 4254.8 | 4277.1 | 4297.2 |
| 15° | 4104.9 | 4104.9 | 4109.4 | 4120.5 | 4127.2 | 4147.4 | 4158.5 | 4176.5 | 4192.1 | 4214.5 | 4243.5 |
| 17.5° | 4035.5 | 4033.2 | 4035.5 | 4048.9 | 4062.4 | 4080.2 | 4089.2 | 4111.5 | 4127.2 | 4156.3 | 4183.2 |
| 20° | 3966.2 | 3970.7 | 3970.7 | 3981.8 | 3990.8 | 4013.1 | 4022.0 | 4046.7 | 4064.6 | 4091.4 | 4122.8 |
| 22.5° | 3905.8 | 3903.5 | 3903.5 | 3919.2 | 3926.0 | 3946.0 | 3954.9 | 3977.3 | 3997.5 | 4019.8 | 4048.9 |
| 25° | 3845.4 | 3840.9 | 3849.9 | 3852.1 | 3856.5 | 3878.9 | 3885.6 | 3901.2 | 3921.4 | 3941.5 | 3970.7 |
| 27.5° | 3755.9 | 3751.4 | 3753.7 | 3762.5 | 3769.3 | 3787.2 | 3791.7 | 3807.4 | 3822.9 | 3840.9 | 3865.5 |
| 30° | 3583.6 | 3579.1 | 3577.0 | 3592.6 | 3599.3 | 3612.6 | 3619.4 | 3646.3 | 3650.8 | 3670.8 | 3688.8 |
| 32.5° | 3355.4 | 3353.2 | 3357.7 | 3371.1 | 3377.8 | 3395.7 | 3404.7 | 3420.3 | 3431.5 | 3442.7 | 3460.5 |
| 35° | 3100.5 | 3096.0 | 3100.5 | 3113.9 | 3113.9 | 3129.6 | 3136.3 | 3142.9 | 3140.7 | 3142.9 | 3138.5 |
| 37.5° | 2863.4 | 2861.0 | 2863.4 | 2870.0 | 2863.4 | 2870.0 | 2863.4 | 2849.9 | 2825.4 | 2798.5 | 2771.6 |
| 40° | 2662.0 | 2664.2 | 2650.8 | 2659.8 | 2635.1 | 2630.7 | 2606.1 | 2572.5 | 2523.4 | 2469.7 | 2393.6 |
| 42.5° | 2447.3 | 2440.5 | 2431.7 | 2436.0 | 2416.0 | 2400.2 | 2360.0 | 2317.6 | 2254.9 | 2165.4 | 2073.6 |
| 45° | 2183.3 | 2181.1 | 2176.5 | 2174.4 | 2161.0 | 2145.3 | 2111.6 | 2062.5 | 1993.1 | 1901.4 | 1791.8 |
| 47.5° | 1926.0 | 1919.3 | 1919.3 | 1921.5 | 1905.9 | 1903.7 | 1876.8 | 1834.3 | 1774.0 | 1684.4 | 1570.3 |
| 50° | 1679.9 | 1677.7 | 1682.2 | 1691.1 | 1679.9 | 1675.4 | 1657.6 | 1628.6 | 1574.9 | 1498.8 | 1391.4 |
| 52.5° | 1458.5 | 1456.3 | 1460.8 | 1471.9 | 1467.4 | 1471.9 | 1454.0 | 1431.6 | 1395.9 | 1322.0 | 1228.1 |
| 55° | 1241.5 | 1241.5 | 1241.5 | 1254.8 | 1254.8 | 1254.8 | 1246.0 | 1232.7 | 1199.0 | 1145.3 | 1058.1 |
| 57.5° | 1015.6 | 1017.8 | 1031.2 | 1033.4 | 1031.2 | 1035.8 | 1033.4 | 1020.0 | 997.7 | 959.7 | 892.5 |
| 60° | 825.5 | 825.5 | 832.2 | 839.0 | 836.6 | 839.0 | 839.0 | 832.2 | 809.8 | 778.5 | 724.8 |
| 62.5° | 653.2 | 659.9 | 655.4 | 659.9 | 668.8 | 659.9 | 655.4 | 651.0 | 635.3 | 615.2 | 570.4 |
| 65° | 494.4 | 498.8 | 498.8 | 501.1 | 496.6 | 498.8 | 490.0 | 483.3 | 474.3 | 451.9 | 422.8 |
| 67.5° | 375.9 | 375.9 | 375.9 | 375.9 | 373.5 | 371.4 | 369.1 | 362.4 | 346.7 | 337.9 | 306.5 |
| 70° | 288.5 | 275.1 | 275.1 | 275.1 | 275.1 | 277.4 | 270.7 | 261.8 | 257.3 | 241.6 | 219.3 |
| 72.5° | 192.4 | 196.8 | 192.4 | 192.4 | 187.9 | 190.1 | 181.2 | 176.7 | 172.3 | 163.3 | 149.9 |
| 75° | 138.7 | 127.6 | 131.9 | 134.3 | 127.6 | 131.9 | 123.0 | 114.1 | 114.1 | 107.4 | 100.7 |
| 77.5° | 89.5 | 87.3 | 89.5 | 91.7 | 89.5 | 87.3 | 82.7 | 78.2 | 78.2 | 76.0 | 69.3 |
| 80° | 64.9 | 62.7 | 62.7 | 62.7 | 60.4 | 62.7 | 58.2 | 58.2 | 53.7 | 51.5 | 47.0 |
| 82.5° | 42.5 | 42.5 | 40.2 | 42.5 | 40.2 | 42.5 | 35.9 | 35.9 | 35.9 | 33.5 | 29.1 |
| 85° | 29.1 | 24.5 | 24.5 | 26.9 | 22.4 | 26.9 | 24.5 | 22.4 | 20.2 | 20.2 | 17.8 |
| 87.5° | 13.5 | 15.7 | 13.5 | 15.7 | 13.5 | 13.5 | 15.7 | 13.5 | 13.5 | 9.0 | 9.0 |
| 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: P248752

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 |
| 2.5° | 4559.0 | 4561.1 | 4561.1 | 4570.2 | 4574.6 | 4576.8 | 4576.8 | 4594.8 | 4588.0 | 4592.5 | 4597.0 |
| 5° | 4494.1 | 4507.4 | 4512.0 | 4512.0 | 4536.6 | 4545.5 | 4554.4 | 4574.6 | 4576.8 | 4590.3 | 4605.9 |
| 7.5° | 4431.4 | 4447.1 | 4456.1 | 4476.2 | 4491.8 | 4507.4 | 4534.3 | 4547.8 | 4561.1 | 4579.1 | 4599.1 |
| 10° | 4371.0 | 4388.9 | 4406.9 | 4422.5 | 4447.1 | 4467.2 | 4485.1 | 4516.4 | 4532.2 | 4556.8 | 4583.5 |
| 12.5° | 4312.9 | 4337.5 | 4353.2 | 4380.0 | 4406.9 | 4424.7 | 4451.6 | 4480.6 | 4505.3 | 4529.8 | 4561.1 |
| 15° | 4261.5 | 4290.5 | 4308.5 | 4337.5 | 4366.6 | 4391.2 | 4420.3 | 4456.1 | 4473.9 | 4503.1 | 4532.2 |
| 17.5° | 4205.4 | 4236.8 | 4259.2 | 4286.0 | 4321.9 | 4348.7 | 4373.4 | 4409.0 | 4431.4 | 4462.7 | 4496.3 |
| 20° | 4147.4 | 4178.6 | 4205.4 | 4232.3 | 4268.2 | 4295.0 | 4324.0 | 4359.9 | 4384.5 | 4415.7 | 4442.6 |
| 22.5° | 4078.1 | 4107.1 | 4136.2 | 4167.4 | 4203.3 | 4225.6 | 4259.2 | 4290.5 | 4317.3 | 4346.5 | 4373.4 |
| 25° | 3988.5 | 4024.4 | 4046.7 | 4075.7 | 4104.9 | 4129.4 | 4165.2 | 4196.6 | 4218.9 | 4245.8 | 4270.3 |
| 27.5° | 3883.4 | 3910.3 | 3928.1 | 3952.8 | 3981.8 | 4004.2 | 4031.0 | 4062.4 | 4084.7 | 4109.4 | 4127.2 |
| 30° | 3704.3 | 3729.1 | 3744.7 | 3762.5 | 3791.7 | 3811.8 | 3834.3 | 3863.2 | 3878.9 | 3896.8 | 3912.5 |
| 32.5° | 3469.5 | 3489.7 | 3498.6 | 3512.1 | 3532.2 | 3552.2 | 3570.3 | 3594.8 | 3601.5 | 3612.6 | 3612.6 |
| 35° | 3129.6 | 3134.0 | 3131.7 | 3136.3 | 3145.2 | 3156.4 | 3172.0 | 3187.7 | 3196.6 | 3196.6 | 3189.9 |
| 37.5° | 2731.3 | 2704.5 | 2675.5 | 2653.1 | 2646.3 | 2641.9 | 2650.8 | 2657.4 | 2666.5 | 2670.9 | 2659.8 |
| 40° | 2317.6 | 2257.1 | 2192.2 | 2134.0 | 2093.8 | 2076.0 | 2069.3 | 2073.6 | 2073.6 | 2089.3 | 2089.3 |
| 42.5° | 1961.9 | 1867.8 | 1771.7 | 1684.4 | 1626.2 | 1581.6 | 1561.4 | 1561.4 | 1563.7 | 1574.9 | 1581.6 |
| 45° | 1666.6 | 1548.0 | 1436.1 | 1339.9 | 1259.4 | 1201.3 | 1174.5 | 1167.7 | 1165.5 | 1169.9 | 1185.6 |
| 47.5° | 1440.6 | 1317.6 | 1201.3 | 1082.7 | 997.7 | 939.5 | 915.0 | 905.9 | 897.0 | 905.9 | 908.2 |
| 50° | 1263.9 | 1136.4 | 1013.4 | 894.8 | 805.3 | 753.9 | 722.5 | 709.0 | 706.9 | 706.9 | 711.4 |
| 52.5° | 1102.8 | 984.2 | 861.3 | 740.4 | 646.5 | 597.3 | 568.2 | 561.5 | 552.5 | 561.5 | 561.5 |
| 55° | 950.7 | 832.2 | 711.4 | 597.3 | 518.9 | 467.6 | 440.7 | 431.7 | 427.2 | 433.9 | 433.9 |
| 57.5° | 785.3 | 684.5 | 572.7 | 469.8 | 391.5 | 355.7 | 335.5 | 324.4 | 322.1 | 326.5 | 322.1 |
| 60° | 644.2 | 559.3 | 463.1 | 369.1 | 308.7 | 270.7 | 255.0 | 250.5 | 246.1 | 250.5 | 250.5 |
| 62.5° | 510.1 | 438.4 | 360.1 | 288.5 | 237.1 | 210.3 | 192.4 | 192.4 | 190.1 | 190.1 | 192.4 |
| 65° | 378.1 | 322.1 | 266.2 | 205.8 | 165.6 | 145.4 | 131.9 | 131.9 | 129.7 | 131.9 | 129.7 |
| 67.5° | 275.1 | 237.1 | 192.4 | 149.9 | 118.6 | 107.4 | 98.4 | 91.7 | 96.2 | 91.7 | 89.5 |
| 70° | 201.3 | 169.9 | 138.7 | 114.1 | 91.7 | 80.6 | 73.9 | 71.5 | 67.1 | 67.1 | 67.1 |
| 72.5° | 134.3 | 114.1 | 93.9 | 73.9 | 60.4 | 49.2 | 47.0 | 42.5 | 38.0 | 40.2 | 44.7 |
| 75° | 89.5 | 76.0 | 67.1 | 53.7 | 40.2 | 40.2 | 26.9 | 26.9 | 22.4 | 26.9 | 20.2 |
| 77.5° | 62.7 | 51.5 | 40.2 | 33.5 | 26.9 | 24.5 | 17.8 | 17.8 | 15.7 | 15.7 | 15.7 |
| 80° | 44.7 | 38.0 | 29.1 | 24.5 | 17.8 | 17.8 | 15.7 | 13.5 | 11.1 | 11.1 | 13.5 |
| 82.5° | 26.9 | 20.2 | 20.2 | 17.8 | 11.1 | 9.0 | 6.7 | 9.0 | 4.5 | 4.5 | 4.5 |
| 85° | 15.7 | 13.5 | 11.1 | 6.7 | 4.5 | 4.5 | 2.2 | 0.0 | 2.2 | 2.2 | 0.0 |
| 87.5° | 9.0 | 4.5 | 4.5 | 2.2 | 0.0 | 2.2 | 2.2 | 0.0 | 0.0 | 0.0 | 4.5 |
| 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: P248752

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 |
| 2.5° | 4608.2 | 4605.9 | 4610.4 | 4610.4 | 4623.9 | 4621.5 | 4628.3 | 4628.3 | 4623.9 | 4626.0 | 4635.0 |
| 5° | 4623.9 | 4630.6 | 4644.0 | 4655.2 | 4675.2 | 4684.2 | 4695.4 | 4706.6 | 4708.9 | 4715.6 | 4722.3 |
| 7.5° | 4623.9 | 4646.2 | 4661.9 | 4682.0 | 4708.9 | 4724.5 | 4749.1 | 4769.3 | 4778.2 | 4789.4 | 4802.8 |
| 10° | 4614.8 | 4637.2 | 4666.3 | 4688.7 | 4722.3 | 4746.9 | 4771.4 | 4802.8 | 4816.2 | 4834.1 | 4852.0 |
| 12.5° | 4597.0 | 4621.5 | 4652.8 | 4682.0 | 4720.0 | 4742.4 | 4773.7 | 4802.8 | 4822.9 | 4847.5 | 4867.7 |
| 15° | 4570.2 | 4599.1 | 4628.3 | 4657.4 | 4697.7 | 4724.5 | 4753.6 | 4787.1 | 4807.3 | 4834.1 | 4852.0 |
| 17.5° | 4527.6 | 4559.0 | 4585.8 | 4612.6 | 4650.7 | 4682.0 | 4708.9 | 4740.1 | 4760.3 | 4782.6 | 4807.3 |
| 20° | 4476.2 | 4505.3 | 4534.3 | 4556.8 | 4594.8 | 4621.5 | 4650.7 | 4679.7 | 4695.4 | 4699.9 | 4737.9 |
| 22.5° | 4411.4 | 4431.4 | 4453.8 | 4489.6 | 4512.0 | 4536.6 | 4563.5 | 4590.3 | 4605.9 | 4630.6 | 4644.0 |
| 25° | 4303.9 | 4324.0 | 4348.7 | 4364.3 | 4391.2 | 4411.4 | 4438.2 | 4467.2 | 4476.2 | 4494.1 | 4507.4 |
| 27.5° | 4154.1 | 4165.2 | 4176.5 | 4189.8 | 4205.4 | 4216.6 | 4232.3 | 4245.8 | 4254.8 | 4263.6 | 4272.6 |
| 30° | 3916.9 | 3916.9 | 3916.9 | 3907.9 | 3914.6 | 3921.4 | 3923.6 | 3921.4 | 3921.4 | 3919.2 | 3919.2 |
| 32.5° | 3603.8 | 3585.9 | 3565.7 | 3547.9 | 3541.1 | 3532.2 | 3527.7 | 3520.9 | 3509.9 | 3503.1 | 3505.4 |
| 35° | 3180.9 | 3140.7 | 3116.2 | 3093.7 | 3075.9 | 3062.5 | 3055.7 | 3049.0 | 3046.8 | 3037.8 | 3028.8 |
| 37.5° | 2653.1 | 2623.9 | 2606.1 | 2592.6 | 2577.1 | 2563.6 | 2565.7 | 2568.1 | 2574.7 | 2570.3 | 2572.5 |
| 40° | 2093.8 | 2087.1 | 2093.8 | 2078.1 | 2073.6 | 2078.1 | 2089.3 | 2105.0 | 2114.0 | 2122.9 | 2138.5 |
| 42.5° | 1592.7 | 1603.8 | 1619.6 | 1619.6 | 1626.2 | 1635.3 | 1648.7 | 1673.3 | 1686.7 | 1702.4 | 1720.3 |
| 45° | 1199.0 | 1212.5 | 1232.7 | 1239.3 | 1243.7 | 1254.8 | 1270.7 | 1290.7 | 1299.7 | 1313.1 | 1328.7 |
| 47.5° | 923.9 | 932.8 | 944.0 | 955.2 | 966.3 | 970.9 | 986.5 | 986.5 | 997.7 | 1006.7 | 1011.0 |
| 50° | 720.4 | 729.2 | 738.2 | 744.9 | 749.4 | 756.1 | 760.6 | 767.2 | 769.5 | 773.9 | 776.2 |
| 52.5° | 563.6 | 575.0 | 575.0 | 579.3 | 586.1 | 592.8 | 590.5 | 592.8 | 595.0 | 595.0 | 601.8 |
| 55° | 440.7 | 440.7 | 447.4 | 447.4 | 451.9 | 449.6 | 451.9 | 451.9 | 451.9 | 451.9 | 454.1 |
| 57.5° | 328.8 | 331.1 | 337.9 | 333.3 | 331.1 | 335.5 | 331.1 | 335.5 | 333.3 | 337.9 | 331.1 |
| 60° | 252.8 | 252.8 | 255.0 | 255.0 | 257.3 | 257.3 | 257.3 | 255.0 | 255.0 | 252.8 | 252.8 |
| 62.5° | 190.1 | 192.4 | 194.6 | 192.4 | 192.4 | 192.4 | 190.1 | 190.1 | 187.9 | 185.6 | 185.6 |
| 65° | 127.6 | 125.3 | 129.7 | 125.3 | 127.6 | 127.6 | 125.3 | 127.6 | 120.8 | 123.0 | 120.8 |
| 67.5° | 91.7 | 89.5 | 87.3 | 89.5 | 87.3 | 85.0 | 85.0 | 87.3 | 89.5 | 82.7 | 82.7 |
| 70° | 60.4 | 62.7 | 60.4 | 62.7 | 64.9 | 64.9 | 62.7 | 60.4 | 62.7 | 58.2 | 60.4 |
| 72.5° | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 40.2 | 40.2 | 40.2 | 35.9 | 35.9 | 33.5 |
| 75° | 17.8 | 24.5 | 20.2 | 17.8 | 24.5 | 24.5 | 22.4 | 22.4 | 20.2 | 20.2 | 20.2 |
| 77.5° | 17.8 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 11.1 | 13.5 | 11.1 |
| 80° | 9.0 | 9.0 | 9.0 | 6.7 | 9.0 | 9.0 | 11.1 | 9.0 | 9.0 | 6.7 | 11.1 |
| 82.5° | 4.5 | 4.5 | 4.5 | 0.0 | 2.2 | 4.5 | 4.5 | 2.2 | 4.5 | 4.5 | 2.2 |
| 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: P248752

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 |
| 2.5° | 4632.8 | 4630.6 | 4632.8 | 4635.0 | 4632.8 | 4630.6 | 4632.8 | 4635.0 | 4626.0 | 4623.9 | 4628.3 |
| 5° | 4731.2 | 4731.2 | 4735.7 | 4737.9 | 4735.7 | 4731.2 | 4731.2 | 4722.3 | 4715.6 | 4708.9 | 4706.6 |
| 7.5° | 4816.2 | 4820.7 | 4825.1 | 4827.4 | 4825.1 | 4820.7 | 4816.2 | 4802.8 | 4789.4 | 4778.2 | 4769.3 |
| 10° | 4867.7 | 4874.4 | 4883.3 | 4887.8 | 4883.3 | 4874.4 | 4867.7 | 4852.0 | 4834.1 | 4816.2 | 4802.8 |
| 12.5° | 4890.0 | 4896.8 | 4908.0 | 4905.7 | 4908.0 | 4896.8 | 4890.0 | 4867.7 | 4847.5 | 4822.9 | 4802.8 |
| 15° | 4874.4 | 4883.3 | 4894.5 | 4899.0 | 4894.5 | 4883.3 | 4874.4 | 4852.0 | 4834.1 | 4807.3 | 4787.1 |
| 17.5° | 4825.1 | 4838.6 | 4845.3 | 4852.0 | 4845.3 | 4838.6 | 4825.1 | 4807.3 | 4782.6 | 4760.3 | 4740.1 |
| 20° | 4758.0 | 4767.1 | 4776.0 | 4778.2 | 4776.0 | 4767.1 | 4758.0 | 4737.9 | 4699.9 | 4695.4 | 4679.7 |
| 22.5° | 4661.9 | 4668.6 | 4688.7 | 4682.0 | 4688.7 | 4668.6 | 4661.9 | 4644.0 | 4630.6 | 4605.9 | 4590.3 |
| 25° | 4523.1 | 4529.8 | 4532.2 | 4534.3 | 4532.2 | 4529.8 | 4523.1 | 4507.4 | 4494.1 | 4476.2 | 4467.2 |
| 27.5° | 4283.8 | 4283.8 | 4288.3 | 4290.5 | 4288.3 | 4283.8 | 4283.8 | 4272.6 | 4263.6 | 4254.8 | 4245.8 |
| 30° | 3921.4 | 3921.4 | 3921.4 | 3932.7 | 3921.4 | 3921.4 | 3921.4 | 3919.2 | 3919.2 | 3921.4 | 3921.4 |
| 32.5° | 3503.1 | 3498.6 | 3494.2 | 3498.6 | 3494.2 | 3498.6 | 3503.1 | 3505.4 | 3503.1 | 3509.9 | 3520.9 |
| 35° | 3028.8 | 3026.6 | 3033.3 | 3024.5 | 3033.3 | 3026.6 | 3028.8 | 3028.8 | 3037.8 | 3046.8 | 3049.0 |
| 37.5° | 2574.7 | 2570.3 | 2579.2 | 2570.3 | 2579.2 | 2570.3 | 2574.7 | 2572.5 | 2570.3 | 2574.7 | 2568.1 |
| 40° | 2143.0 | 2147.5 | 2147.5 | 2165.4 | 2147.5 | 2147.5 | 2143.0 | 2138.5 | 2122.9 | 2114.0 | 2105.0 |
| 42.5° | 1729.1 | 1742.6 | 1738.1 | 1751.6 | 1738.1 | 1742.6 | 1729.1 | 1720.3 | 1702.4 | 1686.7 | 1673.3 |
| 45° | 1337.7 | 1346.7 | 1346.7 | 1351.1 | 1346.7 | 1346.7 | 1337.7 | 1328.7 | 1313.1 | 1299.7 | 1290.7 |
| 47.5° | 1026.7 | 1026.7 | 1026.7 | 1029.1 | 1026.7 | 1026.7 | 1026.7 | 1011.0 | 1006.7 | 997.7 | 986.5 |
| 50° | 780.7 | 782.9 | 785.3 | 787.4 | 785.3 | 782.9 | 780.7 | 776.2 | 773.9 | 769.5 | 767.2 |
| 52.5° | 599.5 | 601.8 | 597.3 | 601.8 | 597.3 | 601.8 | 599.5 | 601.8 | 595.0 | 595.0 | 592.8 |
| 55° | 454.1 | 451.9 | 454.1 | 456.4 | 454.1 | 451.9 | 454.1 | 454.1 | 451.9 | 451.9 | 451.9 |
| 57.5° | 333.3 | 328.8 | 328.8 | 328.8 | 328.8 | 328.8 | 333.3 | 331.1 | 337.9 | 333.3 | 335.5 |
| 60° | 248.3 | 250.5 | 250.5 | 252.8 | 250.5 | 250.5 | 248.3 | 252.8 | 252.8 | 255.0 | 255.0 |
| 62.5° | 183.4 | 190.1 | 185.6 | 190.1 | 185.6 | 190.1 | 183.4 | 185.6 | 185.6 | 187.9 | 190.1 |
| 65° | 118.6 | 118.6 | 118.6 | 120.8 | 118.6 | 118.6 | 118.6 | 120.8 | 123.0 | 120.8 | 127.6 |
| 67.5° | 80.6 | 82.7 | 87.3 | 85.0 | 87.3 | 82.7 | 80.6 | 82.7 | 82.7 | 89.5 | 87.3 |
| 70° | 64.9 | 58.2 | 58.2 | 64.9 | 58.2 | 58.2 | 64.9 | 60.4 | 58.2 | 62.7 | 60.4 |
| 72.5° | 38.0 | 33.5 | 38.0 | 38.0 | 38.0 | 33.5 | 38.0 | 33.5 | 35.9 | 35.9 | 40.2 |
| 75° | 20.2 | 17.8 | 15.7 | 22.4 | 15.7 | 17.8 | 20.2 | 20.2 | 20.2 | 20.2 | 22.4 |
| 77.5° | 13.5 | 11.1 | 15.7 | 15.7 | 15.7 | 11.1 | 13.5 | 11.1 | 13.5 | 11.1 | 13.5 |
| 80° | 6.7 | 9.0 | 6.7 | 11.1 | 6.7 | 9.0 | 6.7 | 11.1 | 6.7 | 9.0 | 9.0 |
| 82.5° | 2.2 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 2.2 | 2.2 | 4.5 | 4.5 | 2.2 |
| 85° | 0.0 | 4.5 | 2.2 | 2.2 | 2.2 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.2 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.2 | 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: P248752

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 |
| 2.5° | 4628.3 | 4621.5 | 4623.9 | 4610.4 | 4610.4 | 4605.9 | 4608.2 | 4597.0 | 4592.5 | 4588.0 | 4594.8 |
| 5° | 4695.4 | 4684.2 | 4675.2 | 4655.2 | 4644.0 | 4630.6 | 4623.9 | 4605.9 | 4590.3 | 4576.8 | 4574.6 |
| 7.5° | 4749.1 | 4724.5 | 4708.9 | 4682.0 | 4661.9 | 4646.2 | 4623.9 | 4599.1 | 4579.1 | 4561.1 | 4547.8 |
| 10° | 4771.4 | 4746.9 | 4722.3 | 4688.7 | 4666.3 | 4637.2 | 4614.8 | 4583.5 | 4556.8 | 4532.2 | 4516.4 |
| 12.5° | 4773.7 | 4742.4 | 4720.0 | 4682.0 | 4652.8 | 4621.5 | 4597.0 | 4561.1 | 4529.8 | 4505.3 | 4480.6 |
| 15° | 4753.6 | 4724.5 | 4697.7 | 4657.4 | 4628.3 | 4599.1 | 4570.2 | 4532.2 | 4503.1 | 4473.9 | 4456.1 |
| 17.5° | 4708.9 | 4682.0 | 4650.7 | 4612.6 | 4585.8 | 4559.0 | 4527.6 | 4496.3 | 4462.7 | 4431.4 | 4409.0 |
| 20° | 4650.7 | 4621.5 | 4594.8 | 4556.8 | 4534.3 | 4505.3 | 4476.2 | 4442.6 | 4415.7 | 4384.5 | 4359.9 |
| 22.5° | 4563.5 | 4536.6 | 4512.0 | 4489.6 | 4453.8 | 4431.4 | 4411.4 | 4373.4 | 4346.5 | 4317.3 | 4290.5 |
| 25° | 4438.2 | 4411.4 | 4391.2 | 4364.3 | 4348.7 | 4324.0 | 4303.9 | 4270.3 | 4245.8 | 4218.9 | 4196.6 |
| 27.5° | 4232.3 | 4216.6 | 4205.4 | 4189.8 | 4176.5 | 4165.2 | 4154.1 | 4127.2 | 4109.4 | 4084.7 | 4062.4 |
| 30° | 3923.6 | 3921.4 | 3914.6 | 3907.9 | 3916.9 | 3916.9 | 3916.9 | 3912.5 | 3896.8 | 3878.9 | 3863.2 |
| 32.5° | 3527.7 | 3532.2 | 3541.1 | 3547.9 | 3565.7 | 3585.9 | 3603.8 | 3612.6 | 3612.6 | 3601.5 | 3594.8 |
| 35° | 3055.7 | 3062.5 | 3075.9 | 3093.7 | 3116.2 | 3140.7 | 3180.9 | 3189.9 | 3196.6 | 3196.6 | 3187.7 |
| 37.5° | 2565.7 | 2563.6 | 2577.1 | 2592.6 | 2606.1 | 2623.9 | 2653.1 | 2659.8 | 2670.9 | 2666.5 | 2657.4 |
| 40° | 2089.3 | 2078.1 | 2073.6 | 2078.1 | 2093.8 | 2087.1 | 2093.8 | 2089.3 | 2089.3 | 2073.6 | 2073.6 |
| 42.5° | 1648.7 | 1635.3 | 1626.2 | 1619.6 | 1619.6 | 1603.8 | 1592.7 | 1581.6 | 1574.9 | 1563.7 | 1561.4 |
| 45° | 1270.7 | 1254.8 | 1243.7 | 1239.3 | 1232.7 | 1212.5 | 1199.0 | 1185.6 | 1169.9 | 1165.5 | 1167.7 |
| 47.5° | 986.5 | 970.9 | 966.3 | 955.2 | 944.0 | 932.8 | 923.9 | 908.2 | 905.9 | 897.0 | 905.9 |
| 50° | 760.6 | 756.1 | 749.4 | 744.9 | 738.2 | 729.2 | 720.4 | 711.4 | 706.9 | 706.9 | 709.0 |
| 52.5° | 590.5 | 592.8 | 586.1 | 579.3 | 575.0 | 575.0 | 563.6 | 561.5 | 561.5 | 552.5 | 561.5 |
| 55° | 451.9 | 449.6 | 451.9 | 447.4 | 447.4 | 440.7 | 440.7 | 433.9 | 433.9 | 427.2 | 431.7 |
| 57.5° | 331.1 | 335.5 | 331.1 | 333.3 | 337.9 | 331.1 | 328.8 | 322.1 | 326.5 | 322.1 | 324.4 |
| 60° | 257.3 | 257.3 | 257.3 | 255.0 | 255.0 | 252.8 | 252.8 | 250.5 | 250.5 | 246.1 | 250.5 |
| 62.5° | 190.1 | 192.4 | 192.4 | 192.4 | 194.6 | 192.4 | 190.1 | 192.4 | 190.1 | 190.1 | 192.4 |
| 65° | 125.3 | 127.6 | 127.6 | 125.3 | 129.7 | 125.3 | 127.6 | 129.7 | 131.9 | 129.7 | 131.9 |
| 67.5° | 85.0 | 85.0 | 87.3 | 89.5 | 87.3 | 89.5 | 91.7 | 89.5 | 91.7 | 96.2 | 91.7 |
| 70° | 62.7 | 64.9 | 64.9 | 62.7 | 60.4 | 62.7 | 60.4 | 67.1 | 67.1 | 67.1 | 71.5 |
| 72.5° | 40.2 | 40.2 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 44.7 | 40.2 | 38.0 | 42.5 |
| 75° | 22.4 | 24.5 | 24.5 | 17.8 | 20.2 | 24.5 | 17.8 | 20.2 | 26.9 | 22.4 | 26.9 |
| 77.5° | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 17.8 | 15.7 | 15.7 | 15.7 | 17.8 |
| 80° | 11.1 | 9.0 | 9.0 | 6.7 | 9.0 | 9.0 | 9.0 | 13.5 | 11.1 | 11.1 | 13.5 |
| 82.5° | 4.5 | 4.5 | 2.2 | 0.0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 9.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 2.2 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 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: P248752

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 |
| 2.5° | 4576.8 | 4576.8 | 4574.6 | 4570.2 | 4561.1 | 4561.1 | 4559.0 | 4552.3 | 4547.8 | 4545.5 | 4545.5 |
| 5° | 4554.4 | 4545.5 | 4536.6 | 4512.0 | 4512.0 | 4507.4 | 4494.1 | 4485.1 | 4480.6 | 4469.4 | 4465.1 |
| 7.5° | 4534.3 | 4507.4 | 4491.8 | 4476.2 | 4456.1 | 4447.1 | 4431.4 | 4424.7 | 4409.0 | 4397.9 | 4391.2 |
| 10° | 4485.1 | 4467.2 | 4447.1 | 4422.5 | 4406.9 | 4388.9 | 4371.0 | 4357.7 | 4337.5 | 4326.3 | 4317.3 |
| 12.5° | 4451.6 | 4424.7 | 4406.9 | 4380.0 | 4353.2 | 4337.5 | 4312.9 | 4297.2 | 4277.1 | 4254.8 | 4241.3 |
| 15° | 4420.3 | 4391.2 | 4366.6 | 4337.5 | 4308.5 | 4290.5 | 4261.5 | 4243.5 | 4214.5 | 4192.1 | 4176.5 |
| 17.5° | 4373.4 | 4348.7 | 4321.9 | 4286.0 | 4259.2 | 4236.8 | 4205.4 | 4183.2 | 4156.3 | 4127.2 | 4111.5 |
| 20° | 4324.0 | 4295.0 | 4268.2 | 4232.3 | 4205.4 | 4178.6 | 4147.4 | 4122.8 | 4091.4 | 4064.6 | 4046.7 |
| 22.5° | 4259.2 | 4225.6 | 4203.3 | 4167.4 | 4136.2 | 4107.1 | 4078.1 | 4048.9 | 4019.8 | 3997.5 | 3977.3 |
| 25° | 4165.2 | 4129.4 | 4104.9 | 4075.7 | 4046.7 | 4024.4 | 3988.5 | 3970.7 | 3941.5 | 3921.4 | 3901.2 |
| 27.5° | 4031.0 | 4004.2 | 3981.8 | 3952.8 | 3928.1 | 3910.3 | 3883.4 | 3865.5 | 3840.9 | 3822.9 | 3807.4 |
| 30° | 3834.3 | 3811.8 | 3791.7 | 3762.5 | 3744.7 | 3729.1 | 3704.3 | 3688.8 | 3670.8 | 3650.8 | 3646.3 |
| 32.5° | 3570.3 | 3552.2 | 3532.2 | 3512.1 | 3498.6 | 3489.7 | 3469.5 | 3460.5 | 3442.7 | 3431.5 | 3420.3 |
| 35° | 3172.0 | 3156.4 | 3145.2 | 3136.3 | 3131.7 | 3134.0 | 3129.6 | 3138.5 | 3142.9 | 3140.7 | 3142.9 |
| 37.5° | 2650.8 | 2641.9 | 2646.3 | 2653.1 | 2675.5 | 2704.5 | 2731.3 | 2771.6 | 2798.5 | 2825.4 | 2849.9 |
| 40° | 2069.3 | 2076.0 | 2093.8 | 2134.0 | 2192.2 | 2257.1 | 2317.6 | 2393.6 | 2469.7 | 2523.4 | 2572.5 |
| 42.5° | 1561.4 | 1581.6 | 1626.2 | 1684.4 | 1771.7 | 1867.8 | 1961.9 | 2073.6 | 2165.4 | 2254.9 | 2317.6 |
| 45° | 1174.5 | 1201.3 | 1259.4 | 1339.9 | 1436.1 | 1548.0 | 1666.6 | 1791.8 | 1901.4 | 1993.1 | 2062.5 |
| 47.5° | 915.0 | 939.5 | 997.7 | 1082.7 | 1201.3 | 1317.6 | 1440.6 | 1570.3 | 1684.4 | 1774.0 | 1834.3 |
| 50° | 722.5 | 753.9 | 805.3 | 894.8 | 1013.4 | 1136.4 | 1263.9 | 1391.4 | 1498.8 | 1574.9 | 1628.6 |
| 52.5° | 568.2 | 597.3 | 646.5 | 740.4 | 861.3 | 984.2 | 1102.8 | 1228.1 | 1322.0 | 1395.9 | 1431.6 |
| 55° | 440.7 | 467.6 | 518.9 | 597.3 | 711.4 | 832.2 | 950.7 | 1058.1 | 1145.3 | 1199.0 | 1232.7 |
| 57.5° | 335.5 | 355.7 | 391.5 | 469.8 | 572.7 | 684.5 | 785.3 | 892.5 | 959.7 | 997.7 | 1020.0 |
| 60° | 255.0 | 270.7 | 308.7 | 369.1 | 463.1 | 559.3 | 644.2 | 724.8 | 778.5 | 809.8 | 832.2 |
| 62.5° | 192.4 | 210.3 | 237.1 | 288.5 | 360.1 | 438.4 | 510.1 | 570.4 | 615.2 | 635.3 | 651.0 |
| 65° | 131.9 | 145.4 | 165.6 | 205.8 | 266.2 | 322.1 | 378.1 | 422.8 | 451.9 | 474.3 | 483.3 |
| 67.5° | 98.4 | 107.4 | 118.6 | 149.9 | 192.4 | 237.1 | 275.1 | 306.5 | 337.9 | 346.7 | 362.4 |
| 70° | 73.9 | 80.6 | 91.7 | 114.1 | 138.7 | 169.9 | 201.3 | 219.3 | 241.6 | 257.3 | 261.8 |
| 72.5° | 47.0 | 49.2 | 60.4 | 73.9 | 93.9 | 114.1 | 134.3 | 149.9 | 163.3 | 172.3 | 176.7 |
| 75° | 26.9 | 40.2 | 40.2 | 53.7 | 67.1 | 76.0 | 89.5 | 100.7 | 107.4 | 114.1 | 114.1 |
| 77.5° | 17.8 | 24.5 | 26.9 | 33.5 | 40.2 | 51.5 | 62.7 | 69.3 | 76.0 | 78.2 | 78.2 |
| 80° | 15.7 | 17.8 | 17.8 | 24.5 | 29.1 | 38.0 | 44.7 | 47.0 | 51.5 | 53.7 | 58.2 |
| 82.5° | 6.7 | 9.0 | 11.1 | 17.8 | 20.2 | 20.2 | 26.9 | 29.1 | 33.5 | 35.9 | 35.9 |
| 85° | 2.2 | 4.5 | 4.5 | 6.7 | 11.1 | 13.5 | 15.7 | 17.8 | 20.2 | 20.2 | 22.4 |
| 87.5° | 2.2 | 2.2 | 0.0 | 2.2 | 4.5 | 4.5 | 9.0 | 9.0 | 9.0 | 13.5 | 13.5 |
| 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: P248752

CATALOG NUMBER: LD8B90D010 ER8B90930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 | 4581.3 |
| 2.5° | 4541.1 | 4543.3 | 4534.3 | 4532.2 | 4527.6 | 4529.8 | 4534.3 |
| 5° | 4458.3 | 4460.5 | 4451.6 | 4442.6 | 4442.6 | 4440.4 | 4442.6 |
| 7.5° | 4380.0 | 4382.2 | 4368.8 | 4364.3 | 4355.3 | 4357.7 | 4357.7 |
| 10° | 4301.7 | 4301.7 | 4281.7 | 4279.3 | 4272.6 | 4270.3 | 4270.3 |
| 12.5° | 4225.6 | 4218.9 | 4203.3 | 4194.3 | 4198.8 | 4185.4 | 4185.4 |
| 15° | 4158.5 | 4147.4 | 4127.2 | 4120.5 | 4109.4 | 4104.9 | 4104.9 |
| 17.5° | 4089.2 | 4080.2 | 4062.4 | 4048.9 | 4035.5 | 4033.2 | 4035.5 |
| 20° | 4022.0 | 4013.1 | 3990.8 | 3981.8 | 3970.7 | 3970.7 | 3966.2 |
| 22.5° | 3954.9 | 3946.0 | 3926.0 | 3919.2 | 3903.5 | 3903.5 | 3905.8 |
| 25° | 3885.6 | 3878.9 | 3856.5 | 3852.1 | 3849.9 | 3840.9 | 3845.4 |
| 27.5° | 3791.7 | 3787.2 | 3769.3 | 3762.5 | 3753.7 | 3751.4 | 3755.9 |
| 30° | 3619.4 | 3612.6 | 3599.3 | 3592.6 | 3577.0 | 3579.1 | 3583.6 |
| 32.5° | 3404.7 | 3395.7 | 3377.8 | 3371.1 | 3357.7 | 3353.2 | 3355.4 |
| 35° | 3136.3 | 3129.6 | 3113.9 | 3113.9 | 3100.5 | 3096.0 | 3100.5 |
| 37.5° | 2863.4 | 2870.0 | 2863.4 | 2870.0 | 2863.4 | 2861.0 | 2863.4 |
| 40° | 2606.1 | 2630.7 | 2635.1 | 2659.8 | 2650.8 | 2664.2 | 2662.0 |
| 42.5° | 2360.0 | 2400.2 | 2416.0 | 2436.0 | 2431.7 | 2440.5 | 2447.3 |
| 45° | 2111.6 | 2145.3 | 2161.0 | 2174.4 | 2176.5 | 2181.1 | 2183.3 |
| 47.5° | 1876.8 | 1903.7 | 1905.9 | 1921.5 | 1919.3 | 1919.3 | 1926.0 |
| 50° | 1657.6 | 1675.4 | 1679.9 | 1691.1 | 1682.2 | 1677.7 | 1679.9 |
| 52.5° | 1454.0 | 1471.9 | 1467.4 | 1471.9 | 1460.8 | 1456.3 | 1458.5 |
| 55° | 1246.0 | 1254.8 | 1254.8 | 1254.8 | 1241.5 | 1241.5 | 1241.5 |
| 57.5° | 1033.4 | 1035.8 | 1031.2 | 1033.4 | 1031.2 | 1017.8 | 1015.6 |
| 60° | 839.0 | 839.0 | 836.6 | 839.0 | 832.2 | 825.5 | 825.5 |
| 62.5° | 655.4 | 659.9 | 668.8 | 659.9 | 655.4 | 659.9 | 653.2 |
| 65° | 490.0 | 498.8 | 496.6 | 501.1 | 498.8 | 498.8 | 494.4 |
| 67.5° | 369.1 | 371.4 | 373.5 | 375.9 | 375.9 | 375.9 | 375.9 |
| 70° | 270.7 | 277.4 | 275.1 | 275.1 | 275.1 | 275.1 | 288.5 |
| 72.5° | 181.2 | 190.1 | 187.9 | 192.4 | 192.4 | 196.8 | 192.4 |
| 75° | 123.0 | 131.9 | 127.6 | 134.3 | 131.9 | 127.6 | 138.7 |
| 77.5° | 82.7 | 87.3 | 89.5 | 91.7 | 89.5 | 87.3 | 89.5 |
| 80° | 58.2 | 62.7 | 60.4 | 62.7 | 62.7 | 62.7 | 64.9 |
| 82.5° | 35.9 | 42.5 | 40.2 | 42.5 | 40.2 | 42.5 | 42.5 |
| 85° | 24.5 | 26.9 | 22.4 | 26.9 | 24.5 | 24.5 | 29.1 |
| 87.5° | 15.7 | 13.5 | 13.5 | 15.7 | 13.5 | 15.7 | 13.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)