

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: P245017

Luminaire Tested: **LD8B15D010 ER8B15930 8LBSW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P245017
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: LD8B15D010 ER8B15930 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: 1264.5 lumens
Efficiency: N/A
Efficacy: 87.8 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

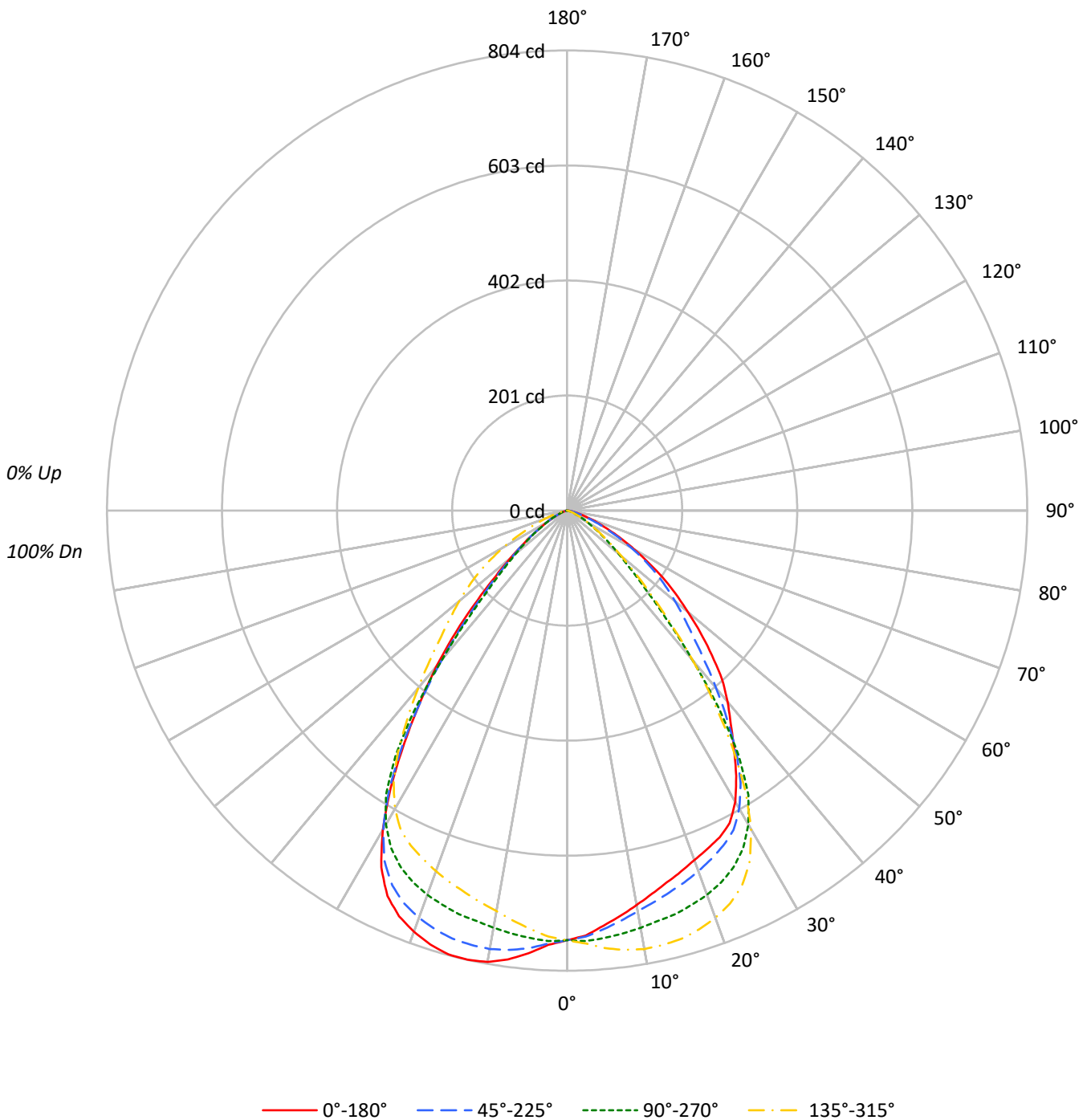
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P245017

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Luminous Intensity Polar Plot





TEST NUMBER: P245017

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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° | | | | |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.5 | 5.7 |
| 10°-20° | 206.9 | 16.4 |
| 20°-30° | 313.3 | 24.8 |
| 30°-40° | 314.0 | 24.8 |
| 40°-50° | 197.2 | 15.6 |
| 50°-60° | 105.1 | 8.3 |
| 60°-70° | 43.2 | 3.4 |
| 70°-80° | 11.4 | 0.9 |
| 80°-90° | 1.9 | 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° | 591.7 | 46.8 |
| 0°-40° | 905.7 | 71.6 |
| 0°-60° | 1207.9 | 95.5 |
| 0°-90° | 1264.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1264.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 751 | 751 | 751 | 751 | 751 | |
| 5° | 728 | 750 | 776 | 750 | 728 | 69 |
| 15° | 673 | 730 | 803 | 730 | 673 | 190 |
| 25° | 630 | 688 | 743 | 688 | 630 | 289 |
| 35° | 508 | 522 | 496 | 522 | 508 | 318 |
| 45° | 358 | 191 | 221 | 191 | 358 | 275 |
| 55° | 204 | 71 | 75 | 71 | 204 | 181 |
| 65° | 81 | 22 | 20 | 22 | 81 | 84 |
| 75° | 23 | 4 | 4 | 4 | 23 | 26 |
| 85° | 5 | 0 | 0 | 0 | 5 | 5 |
| 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° | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 |
| 2.5° | 743.0 | 742.2 | 741.9 | 742.7 | 743.0 | 744.5 | 744.1 | 744.8 | 744.8 | 745.2 | 745.9 |
| 5° | 728.0 | 727.6 | 728.0 | 728.0 | 729.4 | 730.9 | 730.6 | 731.7 | 732.3 | 734.1 | 734.9 |
| 7.5° | 714.1 | 714.1 | 713.6 | 715.1 | 715.9 | 718.1 | 717.7 | 719.6 | 720.6 | 722.5 | 725.1 |
| 10° | 699.7 | 699.7 | 700.1 | 701.2 | 701.5 | 704.9 | 704.9 | 707.5 | 708.9 | 710.7 | 714.1 |
| 12.5° | 685.8 | 685.8 | 688.0 | 687.3 | 688.7 | 691.3 | 692.4 | 695.0 | 697.1 | 700.8 | 704.1 |
| 15° | 672.6 | 672.6 | 673.4 | 675.2 | 676.3 | 679.6 | 681.5 | 684.4 | 686.9 | 690.5 | 695.4 |
| 17.5° | 661.3 | 660.9 | 661.3 | 663.4 | 665.6 | 668.6 | 670.0 | 673.7 | 676.3 | 681.0 | 685.5 |
| 20° | 649.8 | 650.6 | 650.6 | 652.4 | 653.9 | 657.6 | 659.0 | 663.1 | 666.0 | 670.4 | 675.5 |
| 22.5° | 640.0 | 639.6 | 639.6 | 642.2 | 643.3 | 646.6 | 648.1 | 651.7 | 655.0 | 658.7 | 663.4 |
| 25° | 630.1 | 629.3 | 630.8 | 631.2 | 631.9 | 635.6 | 636.7 | 639.3 | 642.6 | 645.8 | 650.6 |
| 27.5° | 615.4 | 614.8 | 615.1 | 616.6 | 617.7 | 620.6 | 621.3 | 623.8 | 626.4 | 629.3 | 633.4 |
| 30° | 587.2 | 586.5 | 586.1 | 588.6 | 589.8 | 592.0 | 593.1 | 597.5 | 598.2 | 601.5 | 604.4 |
| 32.5° | 549.9 | 549.4 | 550.2 | 552.4 | 553.4 | 556.5 | 557.9 | 560.5 | 562.3 | 564.1 | 567.0 |
| 35° | 508.0 | 507.3 | 508.0 | 510.3 | 510.3 | 512.9 | 513.9 | 515.0 | 514.7 | 515.0 | 514.3 |
| 37.5° | 469.1 | 468.8 | 469.1 | 470.3 | 469.1 | 470.3 | 469.1 | 467.0 | 463.0 | 458.6 | 454.1 |
| 40° | 436.2 | 436.5 | 434.4 | 435.8 | 431.8 | 431.0 | 427.0 | 421.5 | 413.4 | 404.7 | 392.2 |
| 42.5° | 401.0 | 399.9 | 398.4 | 399.2 | 395.8 | 393.2 | 386.7 | 379.8 | 369.5 | 354.8 | 339.8 |
| 45° | 357.7 | 357.4 | 356.7 | 356.3 | 354.1 | 351.5 | 346.1 | 338.0 | 326.5 | 311.5 | 293.6 |
| 47.5° | 315.6 | 314.4 | 314.4 | 314.9 | 312.3 | 312.0 | 307.5 | 300.5 | 290.7 | 276.0 | 257.3 |
| 50° | 275.3 | 274.9 | 275.7 | 277.1 | 275.3 | 274.5 | 271.6 | 266.8 | 258.1 | 245.6 | 228.0 |
| 52.5° | 239.0 | 238.7 | 239.3 | 241.2 | 240.5 | 241.2 | 238.2 | 234.6 | 228.7 | 216.6 | 201.2 |
| 55° | 203.5 | 203.5 | 203.5 | 205.6 | 205.6 | 205.6 | 204.1 | 202.0 | 196.5 | 187.7 | 173.4 |
| 57.5° | 166.5 | 166.8 | 168.9 | 169.4 | 168.9 | 169.7 | 169.4 | 167.1 | 163.4 | 157.3 | 146.3 |
| 60° | 135.3 | 135.3 | 136.3 | 137.4 | 137.1 | 137.4 | 137.4 | 136.3 | 132.7 | 127.6 | 118.7 |
| 62.5° | 107.1 | 108.2 | 107.4 | 108.2 | 109.6 | 108.2 | 107.4 | 106.7 | 104.1 | 100.8 | 93.5 |
| 65° | 81.0 | 81.7 | 81.7 | 82.1 | 81.4 | 81.7 | 80.3 | 79.1 | 77.7 | 74.1 | 69.3 |
| 67.5° | 61.5 | 61.5 | 61.5 | 61.5 | 61.2 | 60.9 | 60.5 | 59.4 | 56.8 | 55.4 | 50.2 |
| 70° | 47.3 | 45.1 | 45.1 | 45.1 | 45.1 | 45.5 | 44.4 | 42.9 | 42.1 | 39.6 | 35.9 |
| 72.5° | 31.5 | 32.3 | 31.5 | 31.5 | 30.8 | 31.2 | 29.7 | 28.9 | 28.2 | 26.8 | 24.5 |
| 75° | 22.8 | 20.9 | 21.6 | 22.0 | 20.9 | 21.6 | 20.2 | 18.7 | 18.7 | 17.6 | 16.5 |
| 77.5° | 14.7 | 14.3 | 14.7 | 15.0 | 14.7 | 14.3 | 13.6 | 12.8 | 12.8 | 12.4 | 11.3 |
| 80° | 10.6 | 10.3 | 10.3 | 10.3 | 9.9 | 10.3 | 9.5 | 9.5 | 8.7 | 8.4 | 7.7 |
| 82.5° | 7.0 | 7.0 | 6.6 | 7.0 | 6.6 | 7.0 | 5.8 | 5.8 | 5.8 | 5.5 | 4.8 |
| 85° | 4.8 | 4.0 | 4.0 | 4.4 | 3.7 | 4.4 | 4.0 | 3.7 | 3.3 | 3.3 | 2.9 |
| 87.5° | 2.2 | 2.6 | 2.2 | 2.6 | 2.2 | 2.2 | 2.6 | 2.2 | 2.2 | 1.5 | 1.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 |
| 2.5° | 747.0 | 747.4 | 747.4 | 748.8 | 749.6 | 749.9 | 749.9 | 752.9 | 751.7 | 752.5 | 753.2 |
| 5° | 736.4 | 738.6 | 739.3 | 739.3 | 743.3 | 744.8 | 746.2 | 749.6 | 749.9 | 752.2 | 754.8 |
| 7.5° | 726.1 | 728.6 | 730.2 | 733.5 | 736.0 | 738.6 | 743.0 | 745.2 | 747.4 | 750.3 | 753.6 |
| 10° | 716.2 | 719.1 | 722.1 | 724.6 | 728.6 | 732.0 | 734.9 | 740.1 | 742.7 | 746.7 | 751.1 |
| 12.5° | 706.7 | 710.7 | 713.3 | 717.7 | 722.1 | 725.1 | 729.4 | 734.1 | 738.2 | 742.2 | 747.4 |
| 15° | 698.3 | 703.1 | 706.0 | 710.7 | 715.5 | 719.6 | 724.3 | 730.2 | 733.1 | 737.8 | 742.7 |
| 17.5° | 689.1 | 694.2 | 697.9 | 702.3 | 708.1 | 712.5 | 716.7 | 722.5 | 726.1 | 731.2 | 736.7 |
| 20° | 679.6 | 684.7 | 689.1 | 693.5 | 699.4 | 703.8 | 708.6 | 714.4 | 718.4 | 723.6 | 728.0 |
| 22.5° | 668.2 | 672.9 | 677.8 | 682.9 | 688.7 | 692.4 | 697.9 | 703.1 | 707.5 | 712.2 | 716.7 |
| 25° | 653.5 | 659.4 | 663.1 | 667.9 | 672.6 | 676.6 | 682.5 | 687.6 | 691.3 | 695.7 | 699.7 |
| 27.5° | 636.3 | 640.8 | 643.7 | 647.7 | 652.4 | 656.1 | 660.5 | 665.6 | 669.3 | 673.4 | 676.3 |
| 30° | 607.0 | 611.1 | 613.6 | 616.6 | 621.3 | 624.6 | 628.3 | 633.0 | 635.6 | 638.5 | 641.1 |
| 32.5° | 568.5 | 571.8 | 573.3 | 575.5 | 578.8 | 582.0 | 585.0 | 589.1 | 590.1 | 592.0 | 592.0 |
| 35° | 512.9 | 513.5 | 513.2 | 513.9 | 515.3 | 517.2 | 519.8 | 522.3 | 523.8 | 523.8 | 522.7 |
| 37.5° | 447.5 | 443.1 | 438.4 | 434.7 | 433.6 | 432.9 | 434.4 | 435.4 | 437.0 | 437.6 | 435.8 |
| 40° | 379.8 | 369.8 | 359.2 | 349.6 | 343.1 | 340.1 | 339.1 | 339.8 | 339.8 | 342.4 | 342.4 |
| 42.5° | 321.5 | 306.0 | 290.3 | 276.0 | 266.5 | 259.2 | 255.8 | 255.8 | 256.3 | 258.1 | 259.2 |
| 45° | 273.1 | 253.7 | 235.3 | 219.6 | 206.4 | 196.8 | 192.5 | 191.4 | 191.0 | 191.7 | 194.3 |
| 47.5° | 236.1 | 215.9 | 196.8 | 177.5 | 163.4 | 153.9 | 149.9 | 148.4 | 147.0 | 148.4 | 148.9 |
| 50° | 207.0 | 186.2 | 166.0 | 146.6 | 131.9 | 123.5 | 118.4 | 116.1 | 115.8 | 115.8 | 116.6 |
| 52.5° | 180.7 | 161.3 | 141.1 | 121.3 | 105.9 | 97.9 | 93.2 | 92.0 | 90.6 | 92.0 | 92.0 |
| 55° | 155.8 | 136.3 | 116.6 | 97.9 | 85.1 | 76.6 | 72.2 | 70.7 | 70.0 | 71.1 | 71.1 |
| 57.5° | 128.7 | 112.2 | 93.8 | 77.0 | 64.1 | 58.3 | 54.9 | 53.1 | 52.8 | 53.5 | 52.8 |
| 60° | 105.6 | 91.6 | 75.9 | 60.5 | 50.6 | 44.4 | 41.8 | 41.0 | 40.4 | 41.0 | 41.0 |
| 62.5° | 83.5 | 71.9 | 59.0 | 47.3 | 38.9 | 34.4 | 31.5 | 31.5 | 31.2 | 31.2 | 31.5 |
| 65° | 62.0 | 52.8 | 43.6 | 33.7 | 27.1 | 23.9 | 21.6 | 21.6 | 21.3 | 21.6 | 21.3 |
| 67.5° | 45.1 | 38.9 | 31.5 | 24.5 | 19.4 | 17.6 | 16.1 | 15.0 | 15.8 | 15.0 | 14.7 |
| 70° | 33.0 | 27.8 | 22.8 | 18.7 | 15.0 | 13.2 | 12.1 | 11.8 | 11.0 | 11.0 | 11.0 |
| 72.5° | 22.0 | 18.7 | 15.4 | 12.1 | 9.9 | 8.1 | 7.7 | 7.0 | 6.3 | 6.6 | 7.3 |
| 75° | 14.7 | 12.4 | 11.0 | 8.7 | 6.6 | 6.6 | 4.4 | 4.4 | 3.7 | 4.4 | 3.3 |
| 77.5° | 10.3 | 8.4 | 6.6 | 5.5 | 4.4 | 4.0 | 2.9 | 2.9 | 2.6 | 2.6 | 2.6 |
| 80° | 7.3 | 6.3 | 4.8 | 4.0 | 2.9 | 2.9 | 2.6 | 2.2 | 1.8 | 1.8 | 2.2 |
| 82.5° | 4.4 | 3.3 | 3.3 | 2.9 | 1.8 | 1.5 | 1.1 | 1.5 | 0.8 | 0.8 | 0.8 |
| 85° | 2.6 | 2.2 | 1.8 | 1.1 | 0.8 | 0.8 | 0.3 | 0.0 | 0.3 | 0.3 | 0.0 |
| 87.5° | 1.5 | 0.8 | 0.8 | 0.3 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 |
| 2.5° | 755.1 | 754.8 | 755.4 | 755.4 | 757.7 | 757.2 | 758.4 | 758.4 | 757.7 | 758.0 | 759.5 |
| 5° | 757.7 | 758.8 | 760.9 | 762.8 | 766.1 | 767.5 | 769.3 | 771.2 | 771.6 | 772.7 | 773.8 |
| 7.5° | 757.7 | 761.3 | 763.8 | 767.2 | 771.6 | 774.2 | 778.2 | 781.4 | 782.9 | 784.8 | 786.9 |
| 10° | 756.2 | 759.8 | 764.6 | 768.3 | 773.8 | 777.9 | 781.9 | 786.9 | 789.2 | 792.1 | 795.0 |
| 12.5° | 753.2 | 757.2 | 762.4 | 767.2 | 773.4 | 777.1 | 782.2 | 786.9 | 790.3 | 794.3 | 797.6 |
| 15° | 748.8 | 753.6 | 758.4 | 763.2 | 769.8 | 774.2 | 778.9 | 784.4 | 787.7 | 792.1 | 795.0 |
| 17.5° | 741.9 | 747.0 | 751.4 | 755.8 | 762.1 | 767.2 | 771.6 | 776.7 | 780.0 | 783.7 | 787.7 |
| 20° | 733.5 | 738.2 | 743.0 | 746.7 | 752.9 | 757.2 | 762.1 | 766.8 | 769.3 | 770.1 | 776.4 |
| 22.5° | 722.8 | 726.1 | 729.8 | 735.7 | 739.3 | 743.3 | 747.7 | 752.2 | 754.8 | 758.8 | 760.9 |
| 25° | 705.2 | 708.6 | 712.5 | 715.1 | 719.6 | 722.8 | 727.2 | 732.0 | 733.5 | 736.4 | 738.6 |
| 27.5° | 680.7 | 682.5 | 684.4 | 686.5 | 689.1 | 691.0 | 693.5 | 695.7 | 697.1 | 698.6 | 700.1 |
| 30° | 641.8 | 641.8 | 641.8 | 640.3 | 641.4 | 642.6 | 642.9 | 642.6 | 642.6 | 642.2 | 642.2 |
| 32.5° | 590.5 | 587.6 | 584.3 | 581.4 | 580.2 | 578.8 | 578.0 | 577.0 | 575.1 | 574.1 | 574.4 |
| 35° | 521.3 | 514.7 | 510.6 | 506.9 | 504.0 | 501.8 | 500.8 | 499.6 | 499.3 | 497.7 | 496.3 |
| 37.5° | 434.7 | 429.9 | 427.0 | 424.9 | 422.3 | 420.0 | 420.4 | 420.8 | 421.8 | 421.2 | 421.5 |
| 40° | 343.1 | 342.0 | 343.1 | 340.6 | 339.8 | 340.6 | 342.4 | 344.9 | 346.4 | 347.8 | 350.4 |
| 42.5° | 261.0 | 262.8 | 265.3 | 265.3 | 266.5 | 267.9 | 270.2 | 274.2 | 276.3 | 278.9 | 281.9 |
| 45° | 196.5 | 198.6 | 202.0 | 203.0 | 203.8 | 205.6 | 208.2 | 211.5 | 213.0 | 215.1 | 217.7 |
| 47.5° | 151.3 | 152.9 | 154.7 | 156.5 | 158.4 | 159.1 | 161.6 | 161.6 | 163.4 | 164.9 | 165.7 |
| 50° | 118.0 | 119.5 | 121.0 | 122.1 | 122.7 | 123.9 | 124.7 | 125.8 | 126.1 | 126.8 | 127.2 |
| 52.5° | 92.4 | 94.2 | 94.2 | 94.9 | 96.1 | 97.1 | 96.7 | 97.1 | 97.5 | 97.5 | 98.6 |
| 55° | 72.2 | 72.2 | 73.3 | 73.3 | 74.1 | 73.6 | 74.1 | 74.1 | 74.1 | 74.1 | 74.4 |
| 57.5° | 53.9 | 54.3 | 55.4 | 54.6 | 54.3 | 54.9 | 54.3 | 54.9 | 54.6 | 55.4 | 54.3 |
| 60° | 41.4 | 41.4 | 41.8 | 41.8 | 42.1 | 42.1 | 42.1 | 41.8 | 41.8 | 41.4 | 41.4 |
| 62.5° | 31.2 | 31.5 | 31.9 | 31.5 | 31.5 | 31.5 | 31.2 | 31.2 | 30.8 | 30.4 | 30.4 |
| 65° | 20.9 | 20.5 | 21.3 | 20.5 | 20.9 | 20.9 | 20.5 | 20.9 | 19.8 | 20.2 | 19.8 |
| 67.5° | 15.0 | 14.7 | 14.3 | 14.7 | 14.3 | 13.9 | 13.9 | 14.3 | 14.7 | 13.6 | 13.6 |
| 70° | 9.9 | 10.3 | 9.9 | 10.3 | 10.6 | 10.6 | 10.3 | 9.9 | 10.3 | 9.5 | 9.9 |
| 72.5° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.6 | 6.6 | 6.6 | 5.8 | 5.8 | 5.5 |
| 75° | 2.9 | 4.0 | 3.3 | 2.9 | 4.0 | 4.0 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 |
| 77.5° | 2.9 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 1.8 | 2.2 | 1.8 |
| 80° | 1.5 | 1.5 | 1.5 | 1.1 | 1.5 | 1.5 | 1.8 | 1.5 | 1.5 | 1.1 | 1.8 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.0 | 0.3 | 0.8 | 0.8 | 0.3 | 0.8 | 0.8 | 0.3 |
| 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: P245017

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 |
| 2.5° | 759.1 | 758.8 | 759.1 | 759.5 | 759.1 | 758.8 | 759.1 | 759.5 | 758.0 | 757.7 | 758.4 |
| 5° | 775.3 | 775.3 | 776.0 | 776.4 | 776.0 | 775.3 | 775.3 | 773.8 | 772.7 | 771.6 | 771.2 |
| 7.5° | 789.2 | 790.0 | 790.6 | 791.0 | 790.6 | 790.0 | 789.2 | 786.9 | 784.8 | 782.9 | 781.4 |
| 10° | 797.6 | 798.7 | 800.2 | 800.8 | 800.2 | 798.7 | 797.6 | 795.0 | 792.1 | 789.2 | 786.9 |
| 12.5° | 801.3 | 802.4 | 804.2 | 803.9 | 804.2 | 802.4 | 801.3 | 797.6 | 794.3 | 790.3 | 786.9 |
| 15° | 798.7 | 800.2 | 802.0 | 802.7 | 802.0 | 800.2 | 798.7 | 795.0 | 792.1 | 787.7 | 784.4 |
| 17.5° | 790.6 | 792.9 | 793.9 | 795.0 | 793.9 | 792.9 | 790.6 | 787.7 | 783.7 | 780.0 | 776.7 |
| 20° | 779.7 | 781.1 | 782.6 | 782.9 | 782.6 | 781.1 | 779.7 | 776.4 | 770.1 | 769.3 | 766.8 |
| 22.5° | 763.8 | 765.0 | 768.3 | 767.2 | 768.3 | 765.0 | 763.8 | 760.9 | 758.8 | 754.8 | 752.2 |
| 25° | 741.2 | 742.2 | 742.7 | 743.0 | 742.7 | 742.2 | 741.2 | 738.6 | 736.4 | 733.5 | 732.0 |
| 27.5° | 702.0 | 702.0 | 702.6 | 703.1 | 702.6 | 702.0 | 702.0 | 700.1 | 698.6 | 697.1 | 695.7 |
| 30° | 642.6 | 642.6 | 642.6 | 644.4 | 642.6 | 642.6 | 642.6 | 642.2 | 642.2 | 642.6 | 642.6 |
| 32.5° | 574.1 | 573.3 | 572.5 | 573.3 | 572.5 | 573.3 | 574.1 | 574.4 | 574.1 | 575.1 | 577.0 |
| 35° | 496.3 | 495.9 | 497.1 | 495.6 | 497.1 | 495.9 | 496.3 | 496.3 | 497.7 | 499.3 | 499.6 |
| 37.5° | 421.8 | 421.2 | 422.6 | 421.2 | 422.6 | 421.2 | 421.8 | 421.5 | 421.2 | 421.8 | 420.8 |
| 40° | 351.2 | 351.9 | 351.9 | 354.8 | 351.9 | 351.9 | 351.2 | 350.4 | 347.8 | 346.4 | 344.9 |
| 42.5° | 283.4 | 285.5 | 284.8 | 287.0 | 284.8 | 285.5 | 283.4 | 281.9 | 278.9 | 276.3 | 274.2 |
| 45° | 219.2 | 220.6 | 220.6 | 221.4 | 220.6 | 220.6 | 219.2 | 217.7 | 215.1 | 213.0 | 211.5 |
| 47.5° | 168.3 | 168.3 | 168.3 | 168.6 | 168.3 | 168.3 | 168.3 | 165.7 | 164.9 | 163.4 | 161.6 |
| 50° | 127.9 | 128.2 | 128.7 | 129.0 | 128.7 | 128.2 | 127.9 | 127.2 | 126.8 | 126.1 | 125.8 |
| 52.5° | 98.2 | 98.6 | 97.9 | 98.6 | 97.9 | 98.6 | 98.2 | 98.6 | 97.5 | 97.5 | 97.1 |
| 55° | 74.4 | 74.1 | 74.4 | 74.8 | 74.4 | 74.1 | 74.4 | 74.4 | 74.1 | 74.1 | 74.1 |
| 57.5° | 54.6 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.6 | 54.3 | 55.4 | 54.6 | 54.9 |
| 60° | 40.7 | 41.0 | 41.0 | 41.4 | 41.0 | 41.0 | 40.7 | 41.4 | 41.4 | 41.8 | 41.8 |
| 62.5° | 30.0 | 31.2 | 30.4 | 31.2 | 30.4 | 31.2 | 30.0 | 30.4 | 30.4 | 30.8 | 31.2 |
| 65° | 19.4 | 19.4 | 19.4 | 19.8 | 19.4 | 19.4 | 19.4 | 19.8 | 20.2 | 19.8 | 20.9 |
| 67.5° | 13.2 | 13.6 | 14.3 | 13.9 | 14.3 | 13.6 | 13.2 | 13.6 | 13.6 | 14.7 | 14.3 |
| 70° | 10.6 | 9.5 | 9.5 | 10.6 | 9.5 | 9.5 | 10.6 | 9.9 | 9.5 | 10.3 | 9.9 |
| 72.5° | 6.3 | 5.5 | 6.3 | 6.3 | 6.3 | 5.5 | 6.3 | 5.5 | 5.8 | 5.8 | 6.6 |
| 75° | 3.3 | 2.9 | 2.6 | 3.7 | 2.6 | 2.9 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 |
| 77.5° | 2.2 | 1.8 | 2.6 | 2.6 | 2.6 | 1.8 | 2.2 | 1.8 | 2.2 | 1.8 | 2.2 |
| 80° | 1.1 | 1.5 | 1.1 | 1.8 | 1.1 | 1.5 | 1.1 | 1.8 | 1.1 | 1.5 | 1.5 |
| 82.5° | 0.3 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.3 | 0.3 | 0.8 | 0.8 | 0.3 |
| 85° | 0.0 | 0.8 | 0.3 | 0.3 | 0.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 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: P245017

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 |
| 2.5° | 758.4 | 757.2 | 757.7 | 755.4 | 755.4 | 754.8 | 755.1 | 753.2 | 752.5 | 751.7 | 752.9 |
| 5° | 769.3 | 767.5 | 766.1 | 762.8 | 760.9 | 758.8 | 757.7 | 754.8 | 752.2 | 749.9 | 749.6 |
| 7.5° | 778.2 | 774.2 | 771.6 | 767.2 | 763.8 | 761.3 | 757.7 | 753.6 | 750.3 | 747.4 | 745.2 |
| 10° | 781.9 | 777.9 | 773.8 | 768.3 | 764.6 | 759.8 | 756.2 | 751.1 | 746.7 | 742.7 | 740.1 |
| 12.5° | 782.2 | 777.1 | 773.4 | 767.2 | 762.4 | 757.2 | 753.2 | 747.4 | 742.2 | 738.2 | 734.1 |
| 15° | 778.9 | 774.2 | 769.8 | 763.2 | 758.4 | 753.6 | 748.8 | 742.7 | 737.8 | 733.1 | 730.2 |
| 17.5° | 771.6 | 767.2 | 762.1 | 755.8 | 751.4 | 747.0 | 741.9 | 736.7 | 731.2 | 726.1 | 722.5 |
| 20° | 762.1 | 757.2 | 752.9 | 746.7 | 743.0 | 738.2 | 733.5 | 728.0 | 723.6 | 718.4 | 714.4 |
| 22.5° | 747.7 | 743.3 | 739.3 | 735.7 | 729.8 | 726.1 | 722.8 | 716.7 | 712.2 | 707.5 | 703.1 |
| 25° | 727.2 | 722.8 | 719.6 | 715.1 | 712.5 | 708.6 | 705.2 | 699.7 | 695.7 | 691.3 | 687.6 |
| 27.5° | 693.5 | 691.0 | 689.1 | 686.5 | 684.4 | 682.5 | 680.7 | 676.3 | 673.4 | 669.3 | 665.6 |
| 30° | 642.9 | 642.6 | 641.4 | 640.3 | 641.8 | 641.8 | 641.8 | 641.1 | 638.5 | 635.6 | 633.0 |
| 32.5° | 578.0 | 578.8 | 580.2 | 581.4 | 584.3 | 587.6 | 590.5 | 592.0 | 592.0 | 590.1 | 589.1 |
| 35° | 500.8 | 501.8 | 504.0 | 506.9 | 510.6 | 514.7 | 521.3 | 522.7 | 523.8 | 523.8 | 522.3 |
| 37.5° | 420.4 | 420.0 | 422.3 | 424.9 | 427.0 | 429.9 | 434.7 | 435.8 | 437.6 | 437.0 | 435.4 |
| 40° | 342.4 | 340.6 | 339.8 | 340.6 | 343.1 | 342.0 | 343.1 | 342.4 | 342.4 | 339.8 | 339.8 |
| 42.5° | 270.2 | 267.9 | 266.5 | 265.3 | 265.3 | 262.8 | 261.0 | 259.2 | 258.1 | 256.3 | 255.8 |
| 45° | 208.2 | 205.6 | 203.8 | 203.0 | 202.0 | 198.6 | 196.5 | 194.3 | 191.7 | 191.0 | 191.4 |
| 47.5° | 161.6 | 159.1 | 158.4 | 156.5 | 154.7 | 152.9 | 151.3 | 148.9 | 148.4 | 147.0 | 148.4 |
| 50° | 124.7 | 123.9 | 122.7 | 122.1 | 121.0 | 119.5 | 118.0 | 116.6 | 115.8 | 115.8 | 116.1 |
| 52.5° | 96.7 | 97.1 | 96.1 | 94.9 | 94.2 | 94.2 | 92.4 | 92.0 | 92.0 | 90.6 | 92.0 |
| 55° | 74.1 | 73.6 | 74.1 | 73.3 | 73.3 | 72.2 | 72.2 | 71.1 | 71.1 | 70.0 | 70.7 |
| 57.5° | 54.3 | 54.9 | 54.3 | 54.6 | 55.4 | 54.3 | 53.9 | 52.8 | 53.5 | 52.8 | 53.1 |
| 60° | 42.1 | 42.1 | 42.1 | 41.8 | 41.8 | 41.4 | 41.4 | 41.0 | 41.0 | 40.4 | 41.0 |
| 62.5° | 31.2 | 31.5 | 31.5 | 31.5 | 31.9 | 31.5 | 31.2 | 31.5 | 31.2 | 31.2 | 31.5 |
| 65° | 20.5 | 20.9 | 20.9 | 20.5 | 21.3 | 20.5 | 20.9 | 21.3 | 21.6 | 21.3 | 21.6 |
| 67.5° | 13.9 | 13.9 | 14.3 | 14.7 | 14.3 | 14.7 | 15.0 | 14.7 | 15.0 | 15.8 | 15.0 |
| 70° | 10.3 | 10.6 | 10.6 | 10.3 | 9.9 | 10.3 | 9.9 | 11.0 | 11.0 | 11.0 | 11.8 |
| 72.5° | 6.6 | 6.6 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 7.3 | 6.6 | 6.3 | 7.0 |
| 75° | 3.7 | 4.0 | 4.0 | 2.9 | 3.3 | 4.0 | 2.9 | 3.3 | 4.4 | 3.7 | 4.4 |
| 77.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.9 | 2.6 | 2.6 | 2.6 | 2.9 |
| 80° | 1.8 | 1.5 | 1.5 | 1.1 | 1.5 | 1.5 | 1.5 | 2.2 | 1.8 | 1.8 | 2.2 |
| 82.5° | 0.8 | 0.8 | 0.3 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.5 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 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: P245017

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 |
| 2.5° | 749.9 | 749.9 | 749.6 | 748.8 | 747.4 | 747.4 | 747.0 | 745.9 | 745.2 | 744.8 | 744.8 |
| 5° | 746.2 | 744.8 | 743.3 | 739.3 | 739.3 | 738.6 | 736.4 | 734.9 | 734.1 | 732.3 | 731.7 |
| 7.5° | 743.0 | 738.6 | 736.0 | 733.5 | 730.2 | 728.6 | 726.1 | 725.1 | 722.5 | 720.6 | 719.6 |
| 10° | 734.9 | 732.0 | 728.6 | 724.6 | 722.1 | 719.1 | 716.2 | 714.1 | 710.7 | 708.9 | 707.5 |
| 12.5° | 729.4 | 725.1 | 722.1 | 717.7 | 713.3 | 710.7 | 706.7 | 704.1 | 700.8 | 697.1 | 695.0 |
| 15° | 724.3 | 719.6 | 715.5 | 710.7 | 706.0 | 703.1 | 698.3 | 695.4 | 690.5 | 686.9 | 684.4 |
| 17.5° | 716.7 | 712.5 | 708.1 | 702.3 | 697.9 | 694.2 | 689.1 | 685.5 | 681.0 | 676.3 | 673.7 |
| 20° | 708.6 | 703.8 | 699.4 | 693.5 | 689.1 | 684.7 | 679.6 | 675.5 | 670.4 | 666.0 | 663.1 |
| 22.5° | 697.9 | 692.4 | 688.7 | 682.9 | 677.8 | 672.9 | 668.2 | 663.4 | 658.7 | 655.0 | 651.7 |
| 25° | 682.5 | 676.6 | 672.6 | 667.9 | 663.1 | 659.4 | 653.5 | 650.6 | 645.8 | 642.6 | 639.3 |
| 27.5° | 660.5 | 656.1 | 652.4 | 647.7 | 643.7 | 640.8 | 636.3 | 633.4 | 629.3 | 626.4 | 623.8 |
| 30° | 628.3 | 624.6 | 621.3 | 616.6 | 613.6 | 611.1 | 607.0 | 604.4 | 601.5 | 598.2 | 597.5 |
| 32.5° | 585.0 | 582.0 | 578.8 | 575.5 | 573.3 | 571.8 | 568.5 | 567.0 | 564.1 | 562.3 | 560.5 |
| 35° | 519.8 | 517.2 | 515.3 | 513.9 | 513.2 | 513.5 | 512.9 | 514.3 | 515.0 | 514.7 | 515.0 |
| 37.5° | 434.4 | 432.9 | 433.6 | 434.7 | 438.4 | 443.1 | 447.5 | 454.1 | 458.6 | 463.0 | 467.0 |
| 40° | 339.1 | 340.1 | 343.1 | 349.6 | 359.2 | 369.8 | 379.8 | 392.2 | 404.7 | 413.4 | 421.5 |
| 42.5° | 255.8 | 259.2 | 266.5 | 276.0 | 290.3 | 306.0 | 321.5 | 339.8 | 354.8 | 369.5 | 379.8 |
| 45° | 192.5 | 196.8 | 206.4 | 219.6 | 235.3 | 253.7 | 273.1 | 293.6 | 311.5 | 326.5 | 338.0 |
| 47.5° | 149.9 | 153.9 | 163.4 | 177.5 | 196.8 | 215.9 | 236.1 | 257.3 | 276.0 | 290.7 | 300.5 |
| 50° | 118.4 | 123.5 | 131.9 | 146.6 | 166.0 | 186.2 | 207.0 | 228.0 | 245.6 | 258.1 | 266.8 |
| 52.5° | 93.2 | 97.9 | 105.9 | 121.3 | 141.1 | 161.3 | 180.7 | 201.2 | 216.6 | 228.7 | 234.6 |
| 55° | 72.2 | 76.6 | 85.1 | 97.9 | 116.6 | 136.3 | 155.8 | 173.4 | 187.7 | 196.5 | 202.0 |
| 57.5° | 54.9 | 58.3 | 64.1 | 77.0 | 93.8 | 112.2 | 128.7 | 146.3 | 157.3 | 163.4 | 167.1 |
| 60° | 41.8 | 44.4 | 50.6 | 60.5 | 75.9 | 91.6 | 105.6 | 118.7 | 127.6 | 132.7 | 136.3 |
| 62.5° | 31.5 | 34.4 | 38.9 | 47.3 | 59.0 | 71.9 | 83.5 | 93.5 | 100.8 | 104.1 | 106.7 |
| 65° | 21.6 | 23.9 | 27.1 | 33.7 | 43.6 | 52.8 | 62.0 | 69.3 | 74.1 | 77.7 | 79.1 |
| 67.5° | 16.1 | 17.6 | 19.4 | 24.5 | 31.5 | 38.9 | 45.1 | 50.2 | 55.4 | 56.8 | 59.4 |
| 70° | 12.1 | 13.2 | 15.0 | 18.7 | 22.8 | 27.8 | 33.0 | 35.9 | 39.6 | 42.1 | 42.9 |
| 72.5° | 7.7 | 8.1 | 9.9 | 12.1 | 15.4 | 18.7 | 22.0 | 24.5 | 26.8 | 28.2 | 28.9 |
| 75° | 4.4 | 6.6 | 6.6 | 8.7 | 11.0 | 12.4 | 14.7 | 16.5 | 17.6 | 18.7 | 18.7 |
| 77.5° | 2.9 | 4.0 | 4.4 | 5.5 | 6.6 | 8.4 | 10.3 | 11.3 | 12.4 | 12.8 | 12.8 |
| 80° | 2.6 | 2.9 | 2.9 | 4.0 | 4.8 | 6.3 | 7.3 | 7.7 | 8.4 | 8.7 | 9.5 |
| 82.5° | 1.1 | 1.5 | 1.8 | 2.9 | 3.3 | 3.3 | 4.4 | 4.8 | 5.5 | 5.8 | 5.8 |
| 85° | 0.3 | 0.8 | 0.8 | 1.1 | 1.8 | 2.2 | 2.6 | 2.9 | 3.3 | 3.3 | 3.7 |
| 87.5° | 0.3 | 0.3 | 0.0 | 0.3 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 2.2 | 2.2 |
| 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: P245017

CATALOG NUMBER: LD8B15D010 ER8B15930 8LBSW0WMH

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 | 750.7 |
| 2.5° | 744.1 | 744.5 | 743.0 | 742.7 | 741.9 | 742.2 | 743.0 |
| 5° | 730.6 | 730.9 | 729.4 | 728.0 | 728.0 | 727.6 | 728.0 |
| 7.5° | 717.7 | 718.1 | 715.9 | 715.1 | 713.6 | 714.1 | 714.1 |
| 10° | 704.9 | 704.9 | 701.5 | 701.2 | 700.1 | 699.7 | 699.7 |
| 12.5° | 692.4 | 691.3 | 688.7 | 687.3 | 688.0 | 685.8 | 685.8 |
| 15° | 681.5 | 679.6 | 676.3 | 675.2 | 673.4 | 672.6 | 672.6 |
| 17.5° | 670.0 | 668.6 | 665.6 | 663.4 | 661.3 | 660.9 | 661.3 |
| 20° | 659.0 | 657.6 | 653.9 | 652.4 | 650.6 | 650.6 | 649.8 |
| 22.5° | 648.1 | 646.6 | 643.3 | 642.2 | 639.6 | 639.6 | 640.0 |
| 25° | 636.7 | 635.6 | 631.9 | 631.2 | 630.8 | 629.3 | 630.1 |
| 27.5° | 621.3 | 620.6 | 617.7 | 616.6 | 615.1 | 614.8 | 615.4 |
| 30° | 593.1 | 592.0 | 589.8 | 588.6 | 586.1 | 586.5 | 587.2 |
| 32.5° | 557.9 | 556.5 | 553.4 | 552.4 | 550.2 | 549.4 | 549.9 |
| 35° | 513.9 | 512.9 | 510.3 | 510.3 | 508.0 | 507.3 | 508.0 |
| 37.5° | 469.1 | 470.3 | 469.1 | 470.3 | 469.1 | 468.8 | 469.1 |
| 40° | 427.0 | 431.0 | 431.8 | 435.8 | 434.4 | 436.5 | 436.2 |
| 42.5° | 386.7 | 393.2 | 395.8 | 399.2 | 398.4 | 399.9 | 401.0 |
| 45° | 346.1 | 351.5 | 354.1 | 356.3 | 356.7 | 357.4 | 357.7 |
| 47.5° | 307.5 | 312.0 | 312.3 | 314.9 | 314.4 | 314.4 | 315.6 |
| 50° | 271.6 | 274.5 | 275.3 | 277.1 | 275.7 | 274.9 | 275.3 |
| 52.5° | 238.2 | 241.2 | 240.5 | 241.2 | 239.3 | 238.7 | 239.0 |
| 55° | 204.1 | 205.6 | 205.6 | 205.6 | 203.5 | 203.5 | 203.5 |
| 57.5° | 169.4 | 169.7 | 168.9 | 169.4 | 168.9 | 166.8 | 166.5 |
| 60° | 137.4 | 137.4 | 137.1 | 137.4 | 136.3 | 135.3 | 135.3 |
| 62.5° | 107.4 | 108.2 | 109.6 | 108.2 | 107.4 | 108.2 | 107.1 |
| 65° | 80.3 | 81.7 | 81.4 | 82.1 | 81.7 | 81.7 | 81.0 |
| 67.5° | 60.5 | 60.9 | 61.2 | 61.5 | 61.5 | 61.5 | 61.5 |
| 70° | 44.4 | 45.5 | 45.1 | 45.1 | 45.1 | 45.1 | 47.3 |
| 72.5° | 29.7 | 31.2 | 30.8 | 31.5 | 31.5 | 32.3 | 31.5 |
| 75° | 20.2 | 21.6 | 20.9 | 22.0 | 21.6 | 20.9 | 22.8 |
| 77.5° | 13.6 | 14.3 | 14.7 | 15.0 | 14.7 | 14.3 | 14.7 |
| 80° | 9.5 | 10.3 | 9.9 | 10.3 | 10.3 | 10.3 | 10.6 |
| 82.5° | 5.8 | 7.0 | 6.6 | 7.0 | 6.6 | 7.0 | 7.0 |
| 85° | 4.0 | 4.4 | 3.7 | 4.4 | 4.0 | 4.0 | 4.8 |
| 87.5° | 2.6 | 2.2 | 2.2 | 2.6 | 2.2 | 2.6 | 2.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)