

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: P244585

Luminaire Tested: **LSR8B15D010 EC8B15930 8LBSW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244585
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: LSR8B15D010 EC8B15930 8LBSW0H
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1275.7 lumens
Efficiency: N/A
Efficacy: 88.6 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

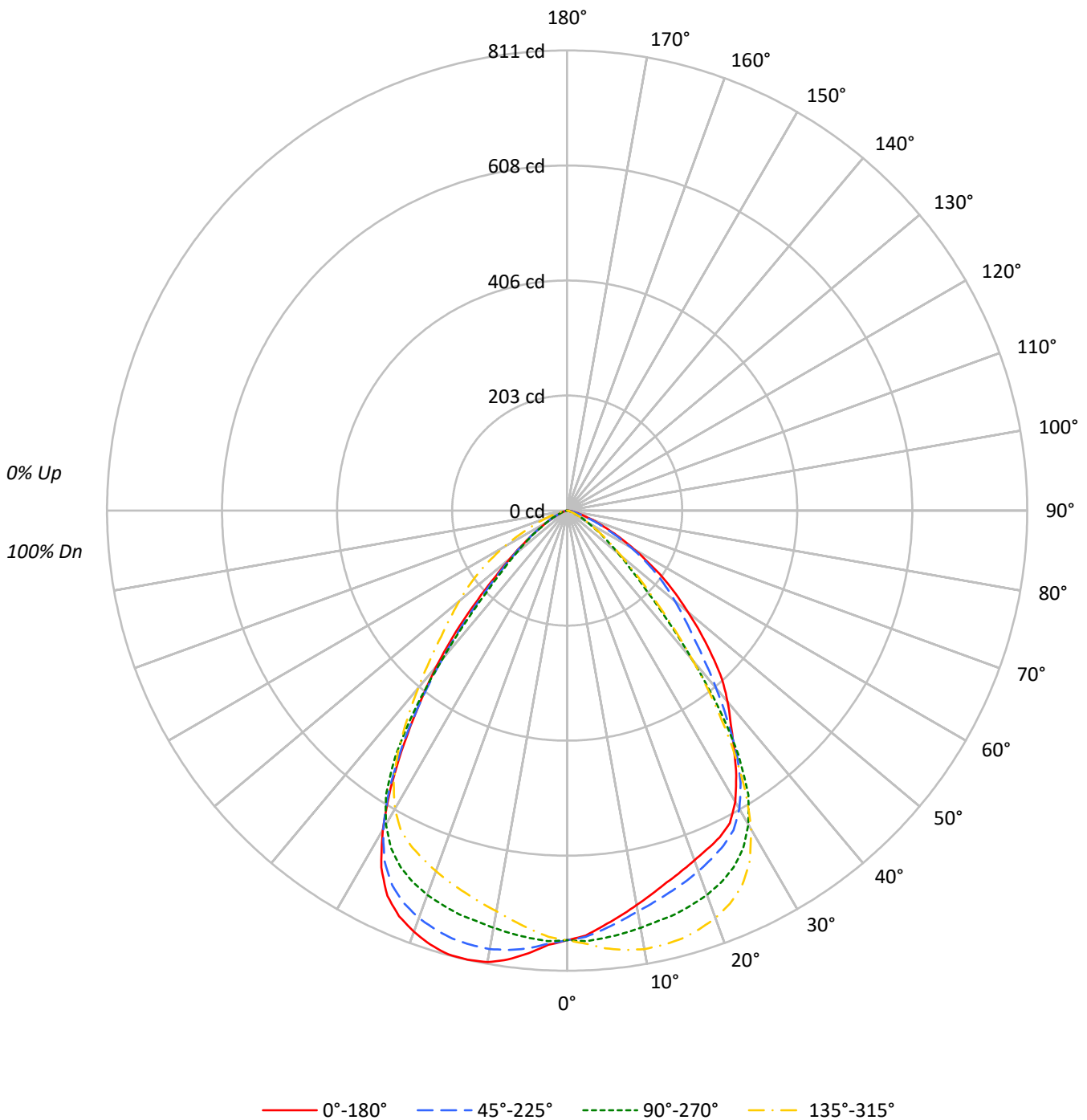
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P244585

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBSW0H

Luminous Intensity Polar Plot





TEST NUMBER: P244585

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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° | 72.1 | 5.7 |
| 10°-20° | 208.7 | 16.4 |
| 20°-30° | 316.1 | 24.8 |
| 30°-40° | 316.8 | 24.8 |
| 40°-50° | 198.9 | 15.6 |
| 50°-60° | 106.0 | 8.3 |
| 60°-70° | 43.6 | 3.4 |
| 70°-80° | 11.5 | 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° | 596.9 | 46.8 |
| 0°-40° | 913.7 | 71.6 |
| 0°-60° | 1218.6 | 95.5 |
| 0°-90° | 1275.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1275.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|-----|-----|------|------|------|------|
| 0° | 757 | 757 | 757 | 757 | 757 | |
| 5° | 734 | 756 | 783 | 756 | 734 | 69 |
| 15° | 678 | 737 | 810 | 737 | 678 | 192 |
| 25° | 636 | 694 | 750 | 694 | 636 | 292 |
| 35° | 512 | 527 | 500 | 527 | 512 | 321 |
| 45° | 361 | 193 | 223 | 193 | 361 | 278 |
| 55° | 205 | 71 | 75 | 71 | 205 | 183 |
| 65° | 82 | 22 | 20 | 22 | 82 | 85 |
| 75° | 23 | 4 | 4 | 4 | 23 | 26 |
| 85° | 5 | 0 | 0 | 0 | 5 | 5 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P244585

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 |
| 2.5° | 749.6 | 748.8 | 748.5 | 749.2 | 749.6 | 751.1 | 750.7 | 751.4 | 751.4 | 751.9 | 752.5 |
| 5° | 734.4 | 734.0 | 734.4 | 734.4 | 735.9 | 737.4 | 737.1 | 738.1 | 738.9 | 740.8 | 741.4 |
| 7.5° | 720.4 | 720.4 | 720.0 | 721.5 | 722.3 | 724.4 | 724.1 | 726.0 | 727.0 | 728.9 | 731.5 |
| 10° | 705.9 | 705.9 | 706.3 | 707.5 | 707.8 | 711.2 | 711.2 | 713.7 | 715.2 | 717.0 | 720.4 |
| 12.5° | 691.9 | 691.9 | 694.1 | 693.3 | 694.8 | 697.5 | 698.5 | 701.2 | 703.3 | 707.0 | 710.4 |
| 15° | 678.5 | 678.5 | 679.3 | 681.1 | 682.2 | 685.6 | 687.4 | 690.4 | 693.0 | 696.7 | 701.5 |
| 17.5° | 667.1 | 666.8 | 667.1 | 669.3 | 671.6 | 674.5 | 676.0 | 679.7 | 682.2 | 687.1 | 691.5 |
| 20° | 655.7 | 656.3 | 656.3 | 658.3 | 659.7 | 663.4 | 664.9 | 669.0 | 671.9 | 676.3 | 681.6 |
| 22.5° | 645.7 | 645.2 | 645.2 | 647.9 | 648.9 | 652.3 | 653.8 | 657.5 | 660.8 | 664.5 | 669.3 |
| 25° | 635.7 | 634.9 | 636.4 | 636.8 | 637.5 | 641.2 | 642.3 | 644.9 | 648.3 | 651.6 | 656.3 |
| 27.5° | 620.9 | 620.1 | 620.5 | 622.0 | 623.1 | 626.1 | 626.8 | 629.4 | 632.0 | 634.9 | 639.0 |
| 30° | 592.4 | 591.7 | 591.3 | 593.9 | 595.0 | 597.3 | 598.3 | 602.8 | 603.5 | 606.8 | 609.8 |
| 32.5° | 554.7 | 554.3 | 555.1 | 557.2 | 558.4 | 561.4 | 562.9 | 565.4 | 567.2 | 569.1 | 572.0 |
| 35° | 512.5 | 511.8 | 512.5 | 514.8 | 514.8 | 517.3 | 518.5 | 519.6 | 519.2 | 519.6 | 518.8 |
| 37.5° | 473.4 | 472.9 | 473.4 | 474.4 | 473.4 | 474.4 | 473.4 | 471.2 | 467.0 | 462.6 | 458.2 |
| 40° | 440.1 | 440.4 | 438.2 | 439.7 | 435.6 | 434.8 | 430.8 | 425.3 | 417.1 | 408.3 | 395.7 |
| 42.5° | 404.6 | 403.4 | 402.0 | 402.7 | 399.4 | 396.8 | 390.1 | 383.2 | 372.7 | 357.9 | 342.8 |
| 45° | 361.0 | 360.5 | 359.8 | 359.4 | 357.3 | 354.7 | 349.1 | 341.0 | 329.5 | 314.3 | 296.2 |
| 47.5° | 318.4 | 317.2 | 317.2 | 317.7 | 315.1 | 314.7 | 310.3 | 303.2 | 293.3 | 278.5 | 259.6 |
| 50° | 277.7 | 277.3 | 278.1 | 279.6 | 277.7 | 277.0 | 274.0 | 269.3 | 260.3 | 247.7 | 230.0 |
| 52.5° | 241.1 | 240.8 | 241.5 | 243.4 | 242.6 | 243.4 | 240.3 | 236.6 | 230.7 | 218.6 | 203.0 |
| 55° | 205.3 | 205.3 | 205.3 | 207.5 | 207.5 | 207.5 | 205.9 | 203.8 | 198.2 | 189.3 | 174.9 |
| 57.5° | 167.9 | 168.3 | 170.5 | 170.8 | 170.5 | 171.2 | 170.8 | 168.6 | 164.9 | 158.6 | 147.5 |
| 60° | 136.4 | 136.4 | 137.5 | 138.7 | 138.3 | 138.7 | 138.7 | 137.5 | 133.8 | 128.7 | 119.8 |
| 62.5° | 108.0 | 109.1 | 108.3 | 109.1 | 110.5 | 109.1 | 108.3 | 107.6 | 105.0 | 101.7 | 94.3 |
| 65° | 81.7 | 82.5 | 82.5 | 82.8 | 82.1 | 82.5 | 80.9 | 79.9 | 78.4 | 74.7 | 70.0 |
| 67.5° | 62.1 | 62.1 | 62.1 | 62.1 | 61.8 | 61.4 | 61.0 | 59.9 | 57.3 | 55.8 | 50.7 |
| 70° | 47.8 | 45.5 | 45.5 | 45.5 | 45.5 | 45.8 | 44.7 | 43.3 | 42.5 | 39.9 | 36.2 |
| 72.5° | 31.8 | 32.5 | 31.8 | 31.8 | 31.1 | 31.4 | 29.9 | 29.3 | 28.5 | 27.0 | 24.8 |
| 75° | 22.9 | 21.1 | 21.9 | 22.2 | 21.1 | 21.9 | 20.3 | 18.8 | 18.8 | 17.7 | 16.6 |
| 77.5° | 14.8 | 14.5 | 14.8 | 15.1 | 14.8 | 14.5 | 13.7 | 12.9 | 12.9 | 12.6 | 11.4 |
| 80° | 10.8 | 10.3 | 10.3 | 10.3 | 10.0 | 10.3 | 9.6 | 9.6 | 8.9 | 8.5 | 7.7 |
| 82.5° | 7.1 | 7.1 | 6.6 | 7.1 | 6.6 | 7.1 | 5.9 | 5.9 | 5.9 | 5.5 | 4.8 |
| 85° | 4.8 | 4.0 | 4.0 | 4.5 | 3.7 | 4.5 | 4.0 | 3.7 | 3.4 | 3.4 | 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° | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 |
| 2.5° | 753.6 | 754.0 | 754.0 | 755.6 | 756.2 | 756.6 | 756.6 | 759.6 | 758.5 | 759.3 | 759.9 |
| 5° | 742.9 | 745.1 | 745.9 | 745.9 | 749.9 | 751.4 | 752.9 | 756.2 | 756.6 | 758.8 | 761.4 |
| 7.5° | 732.6 | 735.2 | 736.6 | 740.0 | 742.6 | 745.1 | 749.6 | 751.9 | 754.0 | 757.0 | 760.3 |
| 10° | 722.6 | 725.5 | 728.5 | 731.1 | 735.2 | 738.5 | 741.4 | 746.6 | 749.2 | 753.3 | 757.7 |
| 12.5° | 713.0 | 717.0 | 719.6 | 724.1 | 728.5 | 731.5 | 735.9 | 740.8 | 744.8 | 748.8 | 754.0 |
| 15° | 704.4 | 709.3 | 712.2 | 717.0 | 721.8 | 726.0 | 730.7 | 736.6 | 739.6 | 744.5 | 749.2 |
| 17.5° | 695.2 | 700.4 | 704.1 | 708.5 | 714.4 | 718.9 | 722.9 | 728.9 | 732.6 | 737.7 | 743.3 |
| 20° | 685.6 | 690.8 | 695.2 | 699.6 | 705.6 | 710.0 | 714.9 | 720.7 | 724.8 | 730.0 | 734.4 |
| 22.5° | 674.2 | 679.0 | 683.7 | 689.0 | 694.8 | 698.5 | 704.1 | 709.3 | 713.7 | 718.6 | 722.9 |
| 25° | 659.4 | 665.3 | 669.0 | 673.7 | 678.5 | 682.7 | 688.5 | 693.8 | 697.5 | 701.9 | 705.9 |
| 27.5° | 642.0 | 646.4 | 649.4 | 653.4 | 658.3 | 662.0 | 666.3 | 671.6 | 675.3 | 679.3 | 682.2 |
| 30° | 612.4 | 616.4 | 619.0 | 622.0 | 626.8 | 630.1 | 633.8 | 638.6 | 641.2 | 644.2 | 646.8 |
| 32.5° | 573.5 | 576.9 | 578.3 | 580.6 | 583.9 | 587.2 | 590.2 | 594.2 | 595.4 | 597.3 | 597.3 |
| 35° | 517.3 | 518.1 | 517.7 | 518.5 | 519.9 | 521.8 | 524.4 | 527.0 | 528.4 | 528.4 | 527.3 |
| 37.5° | 451.5 | 447.1 | 442.2 | 438.5 | 437.4 | 436.7 | 438.2 | 439.3 | 440.8 | 441.6 | 439.7 |
| 40° | 383.2 | 373.2 | 362.4 | 352.8 | 346.2 | 343.1 | 342.0 | 342.8 | 342.8 | 345.4 | 345.4 |
| 42.5° | 324.3 | 308.7 | 292.9 | 278.5 | 268.8 | 261.4 | 258.2 | 258.2 | 258.5 | 260.3 | 261.4 |
| 45° | 275.5 | 255.9 | 237.4 | 221.5 | 208.2 | 198.5 | 194.2 | 193.0 | 192.7 | 193.4 | 196.0 |
| 47.5° | 238.1 | 217.8 | 198.5 | 179.0 | 164.9 | 155.4 | 151.2 | 149.8 | 148.3 | 149.8 | 150.1 |
| 50° | 209.0 | 187.9 | 167.5 | 148.0 | 133.2 | 124.7 | 119.4 | 117.3 | 116.8 | 116.8 | 117.6 |
| 52.5° | 182.3 | 162.8 | 142.4 | 122.4 | 106.8 | 98.8 | 93.9 | 92.8 | 91.4 | 92.8 | 92.8 |
| 55° | 157.2 | 137.5 | 117.6 | 98.8 | 85.8 | 77.2 | 72.9 | 71.4 | 70.6 | 71.7 | 71.7 |
| 57.5° | 129.8 | 113.1 | 94.7 | 77.7 | 64.7 | 58.9 | 55.5 | 53.6 | 53.2 | 54.0 | 53.2 |
| 60° | 106.5 | 92.5 | 76.6 | 61.0 | 51.0 | 44.7 | 42.1 | 41.4 | 40.7 | 41.4 | 41.4 |
| 62.5° | 84.3 | 72.5 | 59.5 | 47.8 | 39.2 | 34.8 | 31.8 | 31.8 | 31.4 | 31.4 | 31.8 |
| 65° | 62.6 | 53.2 | 44.1 | 34.0 | 27.4 | 24.0 | 21.9 | 21.9 | 21.4 | 21.9 | 21.4 |
| 67.5° | 45.5 | 39.2 | 31.8 | 24.8 | 19.6 | 17.7 | 16.3 | 15.1 | 15.9 | 15.1 | 14.8 |
| 70° | 33.3 | 28.1 | 22.9 | 18.8 | 15.1 | 13.3 | 12.2 | 11.9 | 11.1 | 11.1 | 11.1 |
| 72.5° | 22.2 | 18.8 | 15.5 | 12.2 | 10.0 | 8.2 | 7.7 | 7.1 | 6.3 | 6.6 | 7.4 |
| 75° | 14.8 | 12.6 | 11.1 | 8.9 | 6.6 | 6.6 | 4.5 | 4.5 | 3.7 | 4.5 | 3.4 |
| 77.5° | 10.3 | 8.5 | 6.6 | 5.5 | 4.5 | 4.0 | 2.9 | 2.9 | 2.6 | 2.6 | 2.6 |
| 80° | 7.4 | 6.3 | 4.8 | 4.0 | 2.9 | 2.9 | 2.6 | 2.2 | 1.8 | 1.8 | 2.2 |
| 82.5° | 4.5 | 3.4 | 3.4 | 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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CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBSW0H

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 |
| 2.5° | 761.8 | 761.4 | 762.2 | 762.2 | 764.4 | 764.0 | 765.1 | 765.1 | 764.4 | 764.7 | 766.2 |
| 5° | 764.4 | 765.5 | 767.7 | 769.6 | 772.8 | 774.4 | 776.2 | 778.1 | 778.4 | 779.5 | 780.7 |
| 7.5° | 764.4 | 768.1 | 770.7 | 773.9 | 778.4 | 781.0 | 785.0 | 788.4 | 789.9 | 791.8 | 794.0 |
| 10° | 762.8 | 766.5 | 771.4 | 775.1 | 780.7 | 784.7 | 788.7 | 794.0 | 796.1 | 799.2 | 802.1 |
| 12.5° | 759.9 | 764.0 | 769.1 | 773.9 | 780.2 | 783.9 | 789.2 | 794.0 | 797.3 | 801.3 | 804.7 |
| 15° | 755.6 | 760.3 | 765.1 | 769.9 | 776.5 | 781.0 | 785.8 | 791.3 | 794.7 | 799.2 | 802.1 |
| 17.5° | 748.5 | 753.6 | 758.1 | 762.5 | 768.8 | 773.9 | 778.4 | 783.6 | 786.9 | 790.6 | 794.7 |
| 20° | 740.0 | 744.8 | 749.6 | 753.3 | 759.6 | 764.0 | 768.8 | 773.6 | 776.2 | 777.0 | 783.2 |
| 22.5° | 729.2 | 732.6 | 736.3 | 742.2 | 745.9 | 749.9 | 754.4 | 758.8 | 761.4 | 765.5 | 767.7 |
| 25° | 711.5 | 714.9 | 718.9 | 721.5 | 726.0 | 729.2 | 733.7 | 738.5 | 740.0 | 742.9 | 745.1 |
| 27.5° | 686.7 | 688.5 | 690.4 | 692.7 | 695.2 | 697.0 | 699.6 | 701.9 | 703.3 | 704.8 | 706.3 |
| 30° | 647.5 | 647.5 | 647.5 | 646.0 | 647.2 | 648.3 | 648.6 | 648.3 | 648.3 | 647.9 | 647.9 |
| 32.5° | 595.7 | 592.8 | 589.4 | 586.5 | 585.4 | 583.9 | 583.1 | 582.0 | 580.2 | 579.1 | 579.4 |
| 35° | 525.9 | 519.2 | 515.1 | 511.4 | 508.5 | 506.2 | 505.1 | 504.0 | 503.7 | 502.2 | 500.8 |
| 37.5° | 438.5 | 433.8 | 430.8 | 428.6 | 426.0 | 423.7 | 424.2 | 424.5 | 425.6 | 424.9 | 425.3 |
| 40° | 346.2 | 345.0 | 346.2 | 343.6 | 342.8 | 343.6 | 345.4 | 348.0 | 349.4 | 351.0 | 353.6 |
| 42.5° | 263.3 | 265.1 | 267.7 | 267.7 | 268.8 | 270.3 | 272.5 | 276.7 | 278.8 | 281.4 | 284.4 |
| 45° | 198.2 | 200.4 | 203.8 | 204.8 | 205.6 | 207.5 | 210.1 | 213.3 | 214.9 | 217.0 | 219.6 |
| 47.5° | 152.7 | 154.2 | 156.0 | 157.9 | 159.7 | 160.5 | 163.1 | 163.1 | 164.9 | 166.4 | 167.1 |
| 50° | 119.1 | 120.5 | 122.1 | 123.1 | 123.9 | 125.0 | 125.8 | 126.8 | 127.2 | 127.9 | 128.4 |
| 52.5° | 93.2 | 95.1 | 95.1 | 95.7 | 96.9 | 98.0 | 97.6 | 98.0 | 98.3 | 98.3 | 99.4 |
| 55° | 72.9 | 72.9 | 74.0 | 74.0 | 74.7 | 74.3 | 74.7 | 74.7 | 74.7 | 74.7 | 75.1 |
| 57.5° | 54.4 | 54.7 | 55.8 | 55.2 | 54.7 | 55.5 | 54.7 | 55.5 | 55.2 | 55.8 | 54.7 |
| 60° | 41.8 | 41.8 | 42.1 | 42.1 | 42.5 | 42.5 | 42.5 | 42.1 | 42.1 | 41.8 | 41.8 |
| 62.5° | 31.4 | 31.8 | 32.2 | 31.8 | 31.8 | 31.8 | 31.4 | 31.4 | 31.1 | 30.7 | 30.7 |
| 65° | 21.1 | 20.7 | 21.4 | 20.7 | 21.1 | 21.1 | 20.7 | 21.1 | 20.0 | 20.3 | 20.0 |
| 67.5° | 15.1 | 14.8 | 14.5 | 14.8 | 14.5 | 14.0 | 14.0 | 14.5 | 14.8 | 13.7 | 13.7 |
| 70° | 10.0 | 10.3 | 10.0 | 10.3 | 10.8 | 10.8 | 10.3 | 10.0 | 10.3 | 9.6 | 10.0 |
| 72.5° | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.5 |
| 75° | 2.9 | 4.0 | 3.4 | 2.9 | 4.0 | 4.0 | 3.7 | 3.7 | 3.4 | 3.4 | 3.4 |
| 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: P244585

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBSW0H

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 |
| 2.5° | 765.9 | 765.5 | 765.9 | 766.2 | 765.9 | 765.5 | 765.9 | 766.2 | 764.7 | 764.4 | 765.1 |
| 5° | 782.1 | 782.1 | 782.9 | 783.2 | 782.9 | 782.1 | 782.1 | 780.7 | 779.5 | 778.4 | 778.1 |
| 7.5° | 796.1 | 796.9 | 797.6 | 798.0 | 797.6 | 796.9 | 796.1 | 794.0 | 791.8 | 789.9 | 788.4 |
| 10° | 804.7 | 805.8 | 807.2 | 808.0 | 807.2 | 805.8 | 804.7 | 802.1 | 799.2 | 796.1 | 794.0 |
| 12.5° | 808.4 | 809.5 | 811.4 | 810.9 | 811.4 | 809.5 | 808.4 | 804.7 | 801.3 | 797.3 | 794.0 |
| 15° | 805.8 | 807.2 | 809.1 | 809.8 | 809.1 | 807.2 | 805.8 | 802.1 | 799.2 | 794.7 | 791.3 |
| 17.5° | 797.6 | 799.8 | 801.0 | 802.1 | 801.0 | 799.8 | 797.6 | 794.7 | 790.6 | 786.9 | 783.6 |
| 20° | 786.6 | 788.1 | 789.5 | 789.9 | 789.5 | 788.1 | 786.6 | 783.2 | 777.0 | 776.2 | 773.6 |
| 22.5° | 770.7 | 771.8 | 775.1 | 773.9 | 775.1 | 771.8 | 770.7 | 767.7 | 765.5 | 761.4 | 758.8 |
| 25° | 747.7 | 748.8 | 749.2 | 749.6 | 749.2 | 748.8 | 747.7 | 745.1 | 742.9 | 740.0 | 738.5 |
| 27.5° | 708.1 | 708.1 | 708.9 | 709.3 | 708.9 | 708.1 | 708.1 | 706.3 | 704.8 | 703.3 | 701.9 |
| 30° | 648.3 | 648.3 | 648.3 | 650.1 | 648.3 | 648.3 | 648.3 | 647.9 | 647.9 | 648.3 | 648.3 |
| 32.5° | 579.1 | 578.3 | 577.7 | 578.3 | 577.7 | 578.3 | 579.1 | 579.4 | 579.1 | 580.2 | 582.0 |
| 35° | 500.8 | 500.3 | 501.4 | 500.0 | 501.4 | 500.3 | 500.8 | 500.8 | 502.2 | 503.7 | 504.0 |
| 37.5° | 425.6 | 424.9 | 426.4 | 424.9 | 426.4 | 424.9 | 425.6 | 425.3 | 424.9 | 425.6 | 424.5 |
| 40° | 354.2 | 355.0 | 355.0 | 357.9 | 355.0 | 355.0 | 354.2 | 353.6 | 351.0 | 349.4 | 348.0 |
| 42.5° | 285.9 | 288.1 | 287.3 | 289.6 | 287.3 | 288.1 | 285.9 | 284.4 | 281.4 | 278.8 | 276.7 |
| 45° | 221.2 | 222.6 | 222.6 | 223.3 | 222.6 | 222.6 | 221.2 | 219.6 | 217.0 | 214.9 | 213.3 |
| 47.5° | 169.7 | 169.7 | 169.7 | 170.1 | 169.7 | 169.7 | 169.7 | 167.1 | 166.4 | 164.9 | 163.1 |
| 50° | 129.0 | 129.5 | 129.8 | 130.1 | 129.8 | 129.5 | 129.0 | 128.4 | 127.9 | 127.2 | 126.8 |
| 52.5° | 99.1 | 99.4 | 98.8 | 99.4 | 98.8 | 99.4 | 99.1 | 99.4 | 98.3 | 98.3 | 98.0 |
| 55° | 75.1 | 74.7 | 75.1 | 75.4 | 75.1 | 74.7 | 75.1 | 75.1 | 74.7 | 74.7 | 74.7 |
| 57.5° | 55.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 55.2 | 54.7 | 55.8 | 55.2 | 55.5 |
| 60° | 41.0 | 41.4 | 41.4 | 41.8 | 41.4 | 41.4 | 41.0 | 41.8 | 41.8 | 42.1 | 42.1 |
| 62.5° | 30.3 | 31.4 | 30.7 | 31.4 | 30.7 | 31.4 | 30.3 | 30.7 | 30.7 | 31.1 | 31.4 |
| 65° | 19.6 | 19.6 | 19.6 | 20.0 | 19.6 | 19.6 | 19.6 | 20.0 | 20.3 | 20.0 | 21.1 |
| 67.5° | 13.3 | 13.7 | 14.5 | 14.0 | 14.5 | 13.7 | 13.3 | 13.7 | 13.7 | 14.8 | 14.5 |
| 70° | 10.8 | 9.6 | 9.6 | 10.8 | 9.6 | 9.6 | 10.8 | 10.0 | 9.6 | 10.3 | 10.0 |
| 72.5° | 6.3 | 5.5 | 6.3 | 6.3 | 6.3 | 5.5 | 6.3 | 5.5 | 5.9 | 5.9 | 6.6 |
| 75° | 3.4 | 2.9 | 2.6 | 3.7 | 2.6 | 2.9 | 3.4 | 3.4 | 3.4 | 3.4 | 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: P244585

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBSW0H

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 |
| 2.5° | 765.1 | 764.0 | 764.4 | 762.2 | 762.2 | 761.4 | 761.8 | 759.9 | 759.3 | 758.5 | 759.6 |
| 5° | 776.2 | 774.4 | 772.8 | 769.6 | 767.7 | 765.5 | 764.4 | 761.4 | 758.8 | 756.6 | 756.2 |
| 7.5° | 785.0 | 781.0 | 778.4 | 773.9 | 770.7 | 768.1 | 764.4 | 760.3 | 757.0 | 754.0 | 751.9 |
| 10° | 788.7 | 784.7 | 780.7 | 775.1 | 771.4 | 766.5 | 762.8 | 757.7 | 753.3 | 749.2 | 746.6 |
| 12.5° | 789.2 | 783.9 | 780.2 | 773.9 | 769.1 | 764.0 | 759.9 | 754.0 | 748.8 | 744.8 | 740.8 |
| 15° | 785.8 | 781.0 | 776.5 | 769.9 | 765.1 | 760.3 | 755.6 | 749.2 | 744.5 | 739.6 | 736.6 |
| 17.5° | 778.4 | 773.9 | 768.8 | 762.5 | 758.1 | 753.6 | 748.5 | 743.3 | 737.7 | 732.6 | 728.9 |
| 20° | 768.8 | 764.0 | 759.6 | 753.3 | 749.6 | 744.8 | 740.0 | 734.4 | 730.0 | 724.8 | 720.7 |
| 22.5° | 754.4 | 749.9 | 745.9 | 742.2 | 736.3 | 732.6 | 729.2 | 722.9 | 718.6 | 713.7 | 709.3 |
| 25° | 733.7 | 729.2 | 726.0 | 721.5 | 718.9 | 714.9 | 711.5 | 705.9 | 701.9 | 697.5 | 693.8 |
| 27.5° | 699.6 | 697.0 | 695.2 | 692.7 | 690.4 | 688.5 | 686.7 | 682.2 | 679.3 | 675.3 | 671.6 |
| 30° | 648.6 | 648.3 | 647.2 | 646.0 | 647.5 | 647.5 | 647.5 | 646.8 | 644.2 | 641.2 | 638.6 |
| 32.5° | 583.1 | 583.9 | 585.4 | 586.5 | 589.4 | 592.8 | 595.7 | 597.3 | 597.3 | 595.4 | 594.2 |
| 35° | 505.1 | 506.2 | 508.5 | 511.4 | 515.1 | 519.2 | 525.9 | 527.3 | 528.4 | 528.4 | 527.0 |
| 37.5° | 424.2 | 423.7 | 426.0 | 428.6 | 430.8 | 433.8 | 438.5 | 439.7 | 441.6 | 440.8 | 439.3 |
| 40° | 345.4 | 343.6 | 342.8 | 343.6 | 346.2 | 345.0 | 346.2 | 345.4 | 345.4 | 342.8 | 342.8 |
| 42.5° | 272.5 | 270.3 | 268.8 | 267.7 | 267.7 | 265.1 | 263.3 | 261.4 | 260.3 | 258.5 | 258.2 |
| 45° | 210.1 | 207.5 | 205.6 | 204.8 | 203.8 | 200.4 | 198.2 | 196.0 | 193.4 | 192.7 | 193.0 |
| 47.5° | 163.1 | 160.5 | 159.7 | 157.9 | 156.0 | 154.2 | 152.7 | 150.1 | 149.8 | 148.3 | 149.8 |
| 50° | 125.8 | 125.0 | 123.9 | 123.1 | 122.1 | 120.5 | 119.1 | 117.6 | 116.8 | 116.8 | 117.3 |
| 52.5° | 97.6 | 98.0 | 96.9 | 95.7 | 95.1 | 95.1 | 93.2 | 92.8 | 92.8 | 91.4 | 92.8 |
| 55° | 74.7 | 74.3 | 74.7 | 74.0 | 74.0 | 72.9 | 72.9 | 71.7 | 71.7 | 70.6 | 71.4 |
| 57.5° | 54.7 | 55.5 | 54.7 | 55.2 | 55.8 | 54.7 | 54.4 | 53.2 | 54.0 | 53.2 | 53.6 |
| 60° | 42.5 | 42.5 | 42.5 | 42.1 | 42.1 | 41.8 | 41.8 | 41.4 | 41.4 | 40.7 | 41.4 |
| 62.5° | 31.4 | 31.8 | 31.8 | 31.8 | 32.2 | 31.8 | 31.4 | 31.8 | 31.4 | 31.4 | 31.8 |
| 65° | 20.7 | 21.1 | 21.1 | 20.7 | 21.4 | 20.7 | 21.1 | 21.4 | 21.9 | 21.4 | 21.9 |
| 67.5° | 14.0 | 14.0 | 14.5 | 14.8 | 14.5 | 14.8 | 15.1 | 14.8 | 15.1 | 15.9 | 15.1 |
| 70° | 10.3 | 10.8 | 10.8 | 10.3 | 10.0 | 10.3 | 10.0 | 11.1 | 11.1 | 11.1 | 11.9 |
| 72.5° | 6.6 | 6.6 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 7.4 | 6.6 | 6.3 | 7.1 |
| 75° | 3.7 | 4.0 | 4.0 | 2.9 | 3.4 | 4.0 | 2.9 | 3.4 | 4.5 | 3.7 | 4.5 |
| 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: P244585

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBSW0H

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 |
| 2.5° | 756.6 | 756.6 | 756.2 | 755.6 | 754.0 | 754.0 | 753.6 | 752.5 | 751.9 | 751.4 | 751.4 |
| 5° | 752.9 | 751.4 | 749.9 | 745.9 | 745.9 | 745.1 | 742.9 | 741.4 | 740.8 | 738.9 | 738.1 |
| 7.5° | 749.6 | 745.1 | 742.6 | 740.0 | 736.6 | 735.2 | 732.6 | 731.5 | 728.9 | 727.0 | 726.0 |
| 10° | 741.4 | 738.5 | 735.2 | 731.1 | 728.5 | 725.5 | 722.6 | 720.4 | 717.0 | 715.2 | 713.7 |
| 12.5° | 735.9 | 731.5 | 728.5 | 724.1 | 719.6 | 717.0 | 713.0 | 710.4 | 707.0 | 703.3 | 701.2 |
| 15° | 730.7 | 726.0 | 721.8 | 717.0 | 712.2 | 709.3 | 704.4 | 701.5 | 696.7 | 693.0 | 690.4 |
| 17.5° | 722.9 | 718.9 | 714.4 | 708.5 | 704.1 | 700.4 | 695.2 | 691.5 | 687.1 | 682.2 | 679.7 |
| 20° | 714.9 | 710.0 | 705.6 | 699.6 | 695.2 | 690.8 | 685.6 | 681.6 | 676.3 | 671.9 | 669.0 |
| 22.5° | 704.1 | 698.5 | 694.8 | 689.0 | 683.7 | 679.0 | 674.2 | 669.3 | 664.5 | 660.8 | 657.5 |
| 25° | 688.5 | 682.7 | 678.5 | 673.7 | 669.0 | 665.3 | 659.4 | 656.3 | 651.6 | 648.3 | 644.9 |
| 27.5° | 666.3 | 662.0 | 658.3 | 653.4 | 649.4 | 646.4 | 642.0 | 639.0 | 634.9 | 632.0 | 629.4 |
| 30° | 633.8 | 630.1 | 626.8 | 622.0 | 619.0 | 616.4 | 612.4 | 609.8 | 606.8 | 603.5 | 602.8 |
| 32.5° | 590.2 | 587.2 | 583.9 | 580.6 | 578.3 | 576.9 | 573.5 | 572.0 | 569.1 | 567.2 | 565.4 |
| 35° | 524.4 | 521.8 | 519.9 | 518.5 | 517.7 | 518.1 | 517.3 | 518.8 | 519.6 | 519.2 | 519.6 |
| 37.5° | 438.2 | 436.7 | 437.4 | 438.5 | 442.2 | 447.1 | 451.5 | 458.2 | 462.6 | 467.0 | 471.2 |
| 40° | 342.0 | 343.1 | 346.2 | 352.8 | 362.4 | 373.2 | 383.2 | 395.7 | 408.3 | 417.1 | 425.3 |
| 42.5° | 258.2 | 261.4 | 268.8 | 278.5 | 292.9 | 308.7 | 324.3 | 342.8 | 357.9 | 372.7 | 383.2 |
| 45° | 194.2 | 198.5 | 208.2 | 221.5 | 237.4 | 255.9 | 275.5 | 296.2 | 314.3 | 329.5 | 341.0 |
| 47.5° | 151.2 | 155.4 | 164.9 | 179.0 | 198.5 | 217.8 | 238.1 | 259.6 | 278.5 | 293.3 | 303.2 |
| 50° | 119.4 | 124.7 | 133.2 | 148.0 | 167.5 | 187.9 | 209.0 | 230.0 | 247.7 | 260.3 | 269.3 |
| 52.5° | 93.9 | 98.8 | 106.8 | 122.4 | 142.4 | 162.8 | 182.3 | 203.0 | 218.6 | 230.7 | 236.6 |
| 55° | 72.9 | 77.2 | 85.8 | 98.8 | 117.6 | 137.5 | 157.2 | 174.9 | 189.3 | 198.2 | 203.8 |
| 57.5° | 55.5 | 58.9 | 64.7 | 77.7 | 94.7 | 113.1 | 129.8 | 147.5 | 158.6 | 164.9 | 168.6 |
| 60° | 42.1 | 44.7 | 51.0 | 61.0 | 76.6 | 92.5 | 106.5 | 119.8 | 128.7 | 133.8 | 137.5 |
| 62.5° | 31.8 | 34.8 | 39.2 | 47.8 | 59.5 | 72.5 | 84.3 | 94.3 | 101.7 | 105.0 | 107.6 |
| 65° | 21.9 | 24.0 | 27.4 | 34.0 | 44.1 | 53.2 | 62.6 | 70.0 | 74.7 | 78.4 | 79.9 |
| 67.5° | 16.3 | 17.7 | 19.6 | 24.8 | 31.8 | 39.2 | 45.5 | 50.7 | 55.8 | 57.3 | 59.9 |
| 70° | 12.2 | 13.3 | 15.1 | 18.8 | 22.9 | 28.1 | 33.3 | 36.2 | 39.9 | 42.5 | 43.3 |
| 72.5° | 7.7 | 8.2 | 10.0 | 12.2 | 15.5 | 18.8 | 22.2 | 24.8 | 27.0 | 28.5 | 29.3 |
| 75° | 4.5 | 6.6 | 6.6 | 8.9 | 11.1 | 12.6 | 14.8 | 16.6 | 17.7 | 18.8 | 18.8 |
| 77.5° | 2.9 | 4.0 | 4.5 | 5.5 | 6.6 | 8.5 | 10.3 | 11.4 | 12.6 | 12.9 | 12.9 |
| 80° | 2.6 | 2.9 | 2.9 | 4.0 | 4.8 | 6.3 | 7.4 | 7.7 | 8.5 | 8.9 | 9.6 |
| 82.5° | 1.1 | 1.5 | 1.8 | 2.9 | 3.4 | 3.4 | 4.5 | 4.8 | 5.5 | 5.9 | 5.9 |
| 85° | 0.3 | 0.8 | 0.8 | 1.1 | 1.8 | 2.2 | 2.6 | 2.9 | 3.4 | 3.4 | 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: P244585

CATALOG NUMBER: LSR8B15D010 EC8B15930 8LBSW0H

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 | 757.3 |
| 2.5° | 750.7 | 751.1 | 749.6 | 749.2 | 748.5 | 748.8 | 749.6 |
| 5° | 737.1 | 737.4 | 735.9 | 734.4 | 734.4 | 734.0 | 734.4 |
| 7.5° | 724.1 | 724.4 | 722.3 | 721.5 | 720.0 | 720.4 | 720.4 |
| 10° | 711.2 | 711.2 | 707.8 | 707.5 | 706.3 | 705.9 | 705.9 |
| 12.5° | 698.5 | 697.5 | 694.8 | 693.3 | 694.1 | 691.9 | 691.9 |
| 15° | 687.4 | 685.6 | 682.2 | 681.1 | 679.3 | 678.5 | 678.5 |
| 17.5° | 676.0 | 674.5 | 671.6 | 669.3 | 667.1 | 666.8 | 667.1 |
| 20° | 664.9 | 663.4 | 659.7 | 658.3 | 656.3 | 656.3 | 655.7 |
| 22.5° | 653.8 | 652.3 | 648.9 | 647.9 | 645.2 | 645.2 | 645.7 |
| 25° | 642.3 | 641.2 | 637.5 | 636.8 | 636.4 | 634.9 | 635.7 |
| 27.5° | 626.8 | 626.1 | 623.1 | 622.0 | 620.5 | 620.1 | 620.9 |
| 30° | 598.3 | 597.3 | 595.0 | 593.9 | 591.3 | 591.7 | 592.4 |
| 32.5° | 562.9 | 561.4 | 558.4 | 557.2 | 555.1 | 554.3 | 554.7 |
| 35° | 518.5 | 517.3 | 514.8 | 514.8 | 512.5 | 511.8 | 512.5 |
| 37.5° | 473.4 | 474.4 | 473.4 | 474.4 | 473.4 | 472.9 | 473.4 |
| 40° | 430.8 | 434.8 | 435.6 | 439.7 | 438.2 | 440.4 | 440.1 |
| 42.5° | 390.1 | 396.8 | 399.4 | 402.7 | 402.0 | 403.4 | 404.6 |
| 45° | 349.1 | 354.7 | 357.3 | 359.4 | 359.8 | 360.5 | 361.0 |
| 47.5° | 310.3 | 314.7 | 315.1 | 317.7 | 317.2 | 317.2 | 318.4 |
| 50° | 274.0 | 277.0 | 277.7 | 279.6 | 278.1 | 277.3 | 277.7 |
| 52.5° | 240.3 | 243.4 | 242.6 | 243.4 | 241.5 | 240.8 | 241.1 |
| 55° | 205.9 | 207.5 | 207.5 | 207.5 | 205.3 | 205.3 | 205.3 |
| 57.5° | 170.8 | 171.2 | 170.5 | 170.8 | 170.5 | 168.3 | 167.9 |
| 60° | 138.7 | 138.7 | 138.3 | 138.7 | 137.5 | 136.4 | 136.4 |
| 62.5° | 108.3 | 109.1 | 110.5 | 109.1 | 108.3 | 109.1 | 108.0 |
| 65° | 80.9 | 82.5 | 82.1 | 82.8 | 82.5 | 82.5 | 81.7 |
| 67.5° | 61.0 | 61.4 | 61.8 | 62.1 | 62.1 | 62.1 | 62.1 |
| 70° | 44.7 | 45.8 | 45.5 | 45.5 | 45.5 | 45.5 | 47.8 |
| 72.5° | 29.9 | 31.4 | 31.1 | 31.8 | 31.8 | 32.5 | 31.8 |
| 75° | 20.3 | 21.9 | 21.1 | 22.2 | 21.9 | 21.1 | 22.9 |
| 77.5° | 13.7 | 14.5 | 14.8 | 15.1 | 14.8 | 14.5 | 14.8 |
| 80° | 9.6 | 10.3 | 10.0 | 10.3 | 10.3 | 10.3 | 10.8 |
| 82.5° | 5.9 | 7.1 | 6.6 | 7.1 | 6.6 | 7.1 | 7.1 |
| 85° | 4.0 | 4.5 | 3.7 | 4.5 | 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)