

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1444433

Luminaire Tested: EHBR1-12-UNV-TA-L830

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (C80-8019A)
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L830
Description: Elevate Round Highbay at, 12000 lumens, 3000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

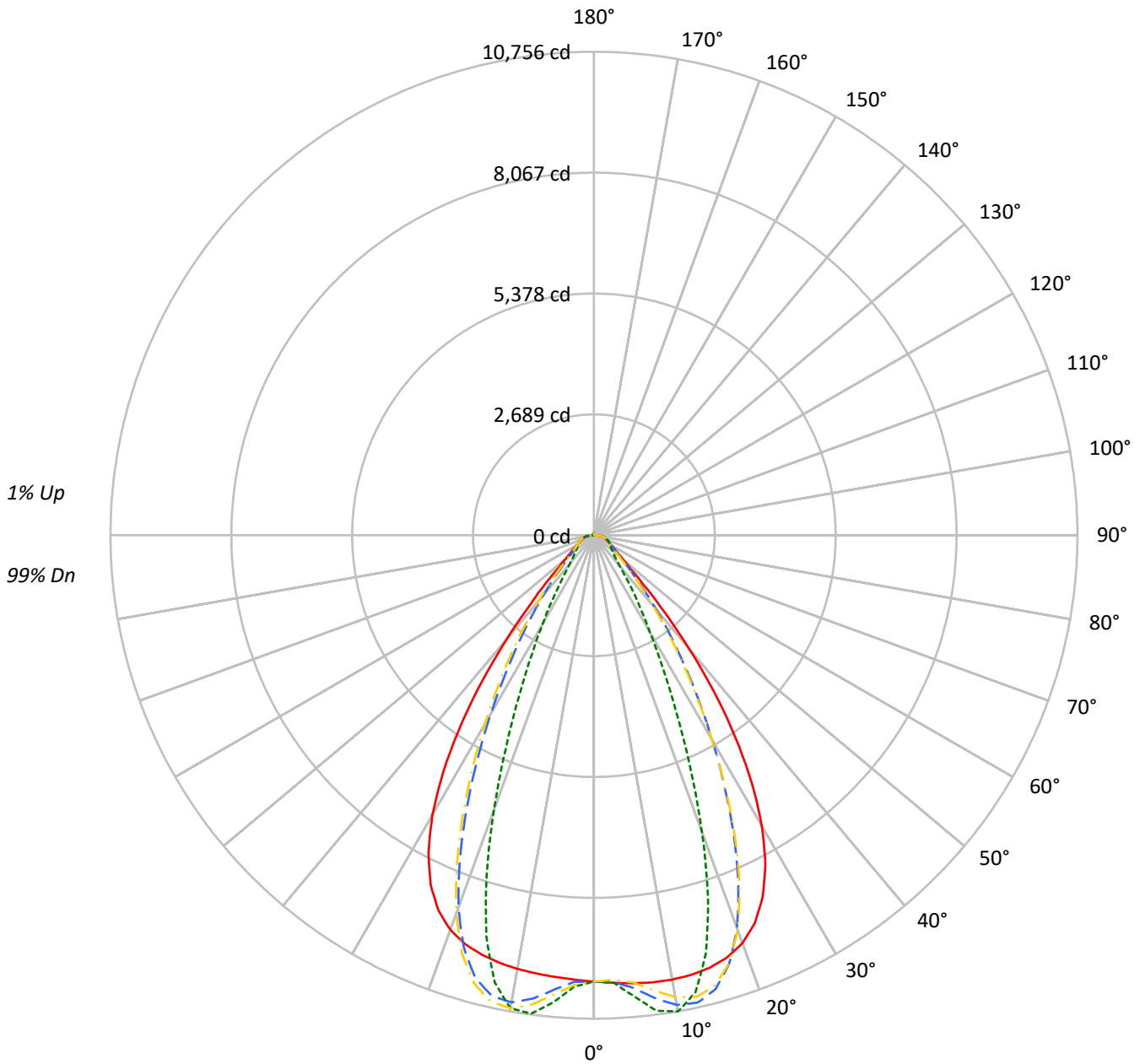
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11495.3 lumens
Efficiency: N/A
Efficacy: 177.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Circular (Dia: 1.71' x H: 0')
CIE Type: Direct

Input Watts (W): 64.7
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: 24 FT

TEST NUMBER: P1444433
CATALOG NUMBER: EHBR1-12-UNV-TA-L830

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°



TEST NUMBER: P1444433
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|
| RF | 20 | | | | 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 101 | 101 | 101 | 99 | | | |
| 1 | 112 | 108 | 105 | 103 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 94 | 93 | 92 | 90 | | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 85 | 83 | 81 | | | |
| 3 | 99 | 91 | 85 | 81 | 97 | 90 | 84 | 80 | 87 | 82 | 79 | 84 | 81 | 77 | 82 | 79 | 76 | 74 | | | |
| 4 | 93 | 84 | 78 | 73 | 91 | 83 | 77 | 73 | 81 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 70 | 68 | | | |
| 5 | 88 | 78 | 72 | 67 | 86 | 77 | 71 | 66 | 75 | 70 | 66 | 73 | 69 | 65 | 72 | 68 | 64 | 63 | | | |
| 6 | 83 | 73 | 66 | 61 | 81 | 72 | 66 | 61 | 70 | 65 | 60 | 69 | 64 | 60 | 67 | 63 | 60 | 58 | | | |
| 7 | 78 | 68 | 61 | 57 | 77 | 67 | 61 | 56 | 66 | 60 | 56 | 65 | 59 | 56 | 63 | 59 | 55 | 54 | | | |
| 8 | 74 | 64 | 57 | 53 | 73 | 63 | 57 | 52 | 62 | 56 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | |
| 9 | 70 | 60 | 53 | 49 | 69 | 59 | 53 | 49 | 58 | 53 | 49 | 57 | 52 | 48 | 56 | 52 | 48 | 47 | | | |
| 10 | 67 | 56 | 50 | 46 | 66 | 56 | 50 | 46 | 55 | 49 | 46 | 54 | 49 | 45 | 53 | 49 | 45 | 44 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 46627 | 46627 | 46627 | 46627 |
| 5° | 47159 | 48534 | 46498 | 49169 |
| 10° | 47865 | 51292 | 46717 | 50952 |
| 15° | 48424 | 46809 | 46950 | 44925 |
| 20° | 48260 | 35116 | 46680 | 32491 |
| 25° | 46019 | 22373 | 44498 | 20300 |
| 30° | 40522 | 13552 | 38953 | 12386 |
| 35° | 31460 | 8579 | 29650 | 7599 |
| 40° | 20097 | 5435 | 18387 | 5107 |
| 45° | 10475 | 4281 | 10302 | 4211 |
| 50° | 6223 | 3859 | 6032 | 3799 |
| 55° | 4844 | 3710 | 4666 | 3677 |
| 60° | 4183 | 3868 | 4006 | 3817 |
| 65° | 4037 | 4149 | 3881 | 4007 |
| 70° | 4096 | 4512 | 3891 | 4342 |
| 75° | 4647 | 5077 | 4395 | 4852 |
| 80° | 5352 | 6258 | 4852 | 5712 |
| 85° | 6563 | 7856 | 5302 | 6730 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 16031 cd/sqm



TEST NUMBER: P1444433
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 978.5 | 8.5 |
| 10°-20° | 2752.7 | 23.9 |
| 20°-30° | 3135.1 | 27.3 |
| 30°-40° | 2253.4 | 19.6 |
| 40°-50° | 1039.2 | 9.0 |
| 50°-60° | 497.3 | 4.3 |
| 60°-70° | 362.9 | 3.2 |
| 70°-80° | 275.7 | 2.4 |
| 80°-90° | 125.4 | 1.1 |
| 90°-100° | 4.1 | 0.0 |
| 100°-110° | 2.9 | 0.0 |
| 110°-120° | 5.0 | 0.0 |
| 120°-130° | 8.4 | 0.1 |
| 130°-140° | 12.3 | 0.1 |
| 140°-150° | 14.7 | 0.1 |
| 150°-160° | 13.8 | 0.1 |
| 160°-170° | 10.1 | 0.1 |
| 170°-180° | 3.8 | 0.0 |
| 0°-30° | 6866.3 | 59.7 |
| 0°-40° | 9119.6 | 79.3 |
| 0°-60° | 10656.2 | 92.7 |
| 0°-90° | 11420.2 | 99.3 |
| 90°-120° | 12.0 | 0.1 |
| 90°-150° | 47.4 | 0.4 |
| 90°-180° | 75.0 | 0.7 |
| 0°-180° | 11495.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|-------|-------|------|-------|-------|------|
| 0° | 9929 | 9929 | 9929 | 9929 | 9929 | |
| 5° | 10004 | 10296 | 9864 | 10430 | 10004 | 956 |
| 15° | 9960 | 9628 | 9657 | 9240 | 9960 | 2806 |
| 25° | 8881 | 4318 | 8588 | 3918 | 8881 | 4026 |
| 35° | 5488 | 1496 | 5172 | 1326 | 5488 | 3368 |
| 45° | 1577 | 645 | 1551 | 634 | 1577 | 1342 |
| 55° | 592 | 453 | 570 | 449 | 592 | 546 |
| 65° | 363 | 373 | 349 | 361 | 363 | 363 |
| 75° | 256 | 280 | 242 | 267 | 256 | 266 |
| 85° | 122 | 146 | 98 | 125 | 122 | 114 |
| 90° | 28 | 36 | 4 | 6 | 28 | 18 |
| 95° | 2 | 2 | 2 | 2 | 2 | 2 |
| 105° | 3 | 2 | 3 | 2 | 3 | 3 |
| 115° | 7 | 3 | 7 | 3 | 7 | 7 |
| 125° | 13 | 6 | 13 | 6 | 13 | 11 |
| 135° | 20 | 11 | 21 | 12 | 20 | 15 |
| 145° | 27 | 20 | 27 | 21 | 27 | 17 |
| 155° | 31 | 28 | 32 | 29 | 31 | 14 |
| 165° | 37 | 34 | 37 | 35 | 37 | 10 |
| 175° | 41 | 40 | 41 | 41 | 41 | 4 |
| 180° | 41 | 41 | 41 | 41 | 41 | |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (FULL):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9966.9 | 9966.1 | 9965.9 | 9965.3 | 9965.1 | 9965.1 | 9964.7 | 9963.9 | 9963.4 | 9962.3 | 9961.0 |
| 5° | 10003.9 | 10003.4 | 10003.7 | 10003.8 | 10003.0 | 10001.5 | 9999.1 | 9996.1 | 9992.3 | 9988.8 | 9985.7 |
| 7.5° | 10032.4 | 10033.2 | 10034.0 | 10033.8 | 10031.7 | 10028.0 | 10023.1 | 10020.3 | 10021.9 | 10027.4 | 10039.7 |
| 10° | 10037.7 | 10042.0 | 10043.6 | 10043.1 | 10038.8 | 10035.6 | 10036.8 | 10047.3 | 10068.3 | 10096.2 | 10134.4 |
| 12.5° | 10017.4 | 10022.6 | 10022.4 | 10020.6 | 10016.4 | 10020.7 | 10036.0 | 10067.3 | 10112.1 | 10167.2 | 10231.9 |
| 15° | 9960.2 | 9967.0 | 9965.1 | 9962.8 | 9960.0 | 9974.0 | 10004.4 | 10058.8 | 10128.2 | 10205.8 | 10285.3 |
| 17.5° | 9849.2 | 9857.5 | 9853.4 | 9850.9 | 9848.6 | 9874.8 | 9927.1 | 10006.8 | 10094.1 | 10181.9 | 10257.3 |
| 20° | 9656.8 | 9662.2 | 9652.8 | 9648.4 | 9652.1 | 9703.6 | 9780.6 | 9882.4 | 9974.4 | 10057.4 | 10109.0 |
| 22.5° | 9342.7 | 9349.6 | 9331.8 | 9329.7 | 9351.6 | 9430.7 | 9528.1 | 9641.8 | 9728.3 | 9794.2 | 9814.0 |
| 25° | 8881.3 | 8888.0 | 8866.9 | 8879.4 | 8916.8 | 9024.5 | 9140.6 | 9262.2 | 9336.0 | 9384.8 | 9371.3 |
| 27.5° | 8258.4 | 8264.6 | 8244.5 | 8270.3 | 8329.3 | 8470.8 | 8607.4 | 8739.3 | 8805.1 | 8839.3 | 8796.0 |
| 30° | 7472.9 | 7485.6 | 7461.9 | 7497.9 | 7587.9 | 7771.7 | 7928.2 | 8076.1 | 8141.7 | 8167.7 | 8100.3 |
| 32.5° | 6539.9 | 6558.0 | 6532.0 | 6585.4 | 6711.1 | 6931.7 | 7109.5 | 7274.9 | 7347.4 | 7377.1 | 7300.9 |
| 35° | 5487.7 | 5513.6 | 5483.7 | 5564.0 | 5718.9 | 5964.7 | 6161.6 | 6346.1 | 6432.0 | 6474.1 | 6397.3 |
| 37.5° | 4372.8 | 4397.6 | 4381.4 | 4488.4 | 4658.6 | 4913.3 | 5114.3 | 5313.4 | 5410.4 | 5473.6 | 5413.1 |
| 40° | 3278.3 | 3301.0 | 3313.1 | 3435.7 | 3595.7 | 3835.8 | 4028.8 | 4225.8 | 4334.3 | 4413.6 | 4376.3 |
| 42.5° | 2313.9 | 2336.6 | 2378.3 | 2496.5 | 2629.9 | 2828.7 | 2994.0 | 3170.9 | 3274.5 | 3359.1 | 3344.7 |
| 45° | 1577.3 | 1603.7 | 1655.9 | 1752.7 | 1849.3 | 1991.8 | 2113.2 | 2250.8 | 2335.5 | 2413.0 | 2413.9 |
| 47.5° | 1105.3 | 1123.9 | 1170.5 | 1236.5 | 1299.5 | 1478.0 | 1485.3 | 1553.0 | 1609.8 | 1667.8 | 1675.3 |
| 50° | 851.8 | 863.0 | 887.7 | 924.6 | 960.2 | 1006.6 | 1049.0 | 1098.0 | 1133.0 | 1164.8 | 1172.4 |
| 52.5° | 700.2 | 707.2 | 719.9 | 739.8 | 760.4 | 785.7 | 808.4 | 835.3 | 854.4 | 871.3 | 874.9 |
| 55° | 591.7 | 597.6 | 616.4 | 620.2 | 643.8 | 648.4 | 658.5 | 674.8 | 686.0 | 696.1 | 698.7 |
| 57.5° | 509.9 | 514.3 | 518.2 | 526.7 | 534.0 | 544.6 | 553.1 | 564.8 | 571.9 | 579.2 | 579.8 |
| 60° | 445.4 | 448.5 | 451.3 | 457.2 | 462.2 | 469.6 | 475.5 | 483.4 | 488.4 | 493.9 | 494.6 |
| 62.5° | 397.4 | 399.6 | 401.5 | 405.4 | 408.9 | 414.6 | 419.3 | 425.9 | 430.6 | 434.8 | 435.8 |
| 65° | 363.3 | 364.8 | 366.1 | 369.0 | 372.1 | 376.9 | 381.1 | 386.6 | 390.0 | 393.3 | 394.0 |
| 67.5° | 333.0 | 334.5 | 335.8 | 338.4 | 340.6 | 344.2 | 347.1 | 351.2 | 353.7 | 356.3 | 356.4 |
| 70° | 298.3 | 299.7 | 300.7 | 303.2 | 304.9 | 308.0 | 310.3 | 314.0 | 316.6 | 319.5 | 320.3 |
| 72.5° | 274.4 | 275.2 | 276.4 | 278.8 | 281.1 | 284.5 | 287.5 | 291.3 | 294.5 | 297.6 | 298.8 |
| 75° | 256.1 | 257.0 | 257.9 | 259.8 | 261.5 | 264.3 | 266.6 | 270.1 | 272.9 | 276.1 | 277.7 |
| 77.5° | 229.8 | 230.9 | 231.6 | 233.5 | 235.0 | 237.6 | 239.3 | 242.5 | 244.8 | 247.8 | 249.2 |
| 80° | 197.9 | 199.0 | 199.5 | 201.3 | 202.4 | 205.0 | 206.5 | 209.6 | 211.5 | 214.4 | 216.2 |
| 82.5° | 162.6 | 163.6 | 163.9 | 165.7 | 166.3 | 168.3 | 169.5 | 172.6 | 175.0 | 178.8 | 181.4 |
| 85° | 121.8 | 122.1 | 122.7 | 122.2 | 124.8 | 124.9 | 127.7 | 128.2 | 131.9 | 132.8 | 137.0 |
| 87.5° | 74.5 | 75.6 | 76.1 | 77.7 | 78.5 | 80.2 | 80.7 | 82.5 | 83.6 | 85.6 | 86.6 |
| 90° | 27.5 | 29.0 | 29.3 | 31.0 | 31.3 | 32.8 | 33.0 | 34.7 | 34.9 | 36.7 | 37.1 |
| 92.5° | 1.7 | 1.7 | 1.6 | 1.7 | 1.7 | 2.0 | 2.1 | 2.2 | 2.2 | 2.3 | 2.4 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 100° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 102.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.4 |
| 105° | 3.1 | 3.0 | 3.1 | 3.0 | 3.0 | 3.0 | 3.0 | 2.9 | 2.9 | 2.9 | 2.9 |
| 107.5° | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.5 |
| 110° | 4.5 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.1 | 4.1 | 4.1 | 4.0 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|--------|------|------|------|------|------|-------|------|-------|------|-------|------|
| 112.5° | 5.4 | 5.3 | 5.3 | 5.2 | 5.2 | 5.2 | 5.1 | 5.0 | 5.0 | 4.9 | 4.8 |
| 115° | 6.6 | 6.5 | 6.4 | 6.3 | 6.3 | 6.2 | 6.1 | 6.0 | 5.9 | 5.7 | 5.6 |
| 117.5° | 7.9 | 7.7 | 7.7 | 7.6 | 7.4 | 7.3 | 7.2 | 7.0 | 6.9 | 6.7 | 6.7 |
| 120° | 9.3 | 9.2 | 9.1 | 8.9 | 8.8 | 8.6 | 8.5 | 8.3 | 8.1 | 7.9 | 7.8 |
| 122.5° | 10.9 | 10.8 | 10.7 | 10.5 | 10.3 | 10.1 | 9.9 | 9.6 | 9.5 | 9.3 | 9.1 |
| 125° | 12.6 | 12.5 | 12.4 | 12.2 | 11.9 | 11.7 | 11.5 | 11.2 | 11.0 | 10.7 | 10.5 |
| 127.5° | 14.4 | 14.2 | 14.1 | 13.9 | 13.7 | 13.4 | 13.1 | 12.8 | 12.6 | 12.3 | 12.0 |
| 130° | 16.3 | 16.1 | 15.9 | 15.7 | 15.5 | 15.2 | 14.9 | 14.6 | 14.3 | 14.0 | 13.7 |
| 132.5° | 18.2 | 18.1 | 17.9 | 17.6 | 17.3 | 17.0 | 16.8 | 16.3 | 16.0 | 15.7 | 15.4 |
| 135° | 20.1 | 20.0 | 19.8 | 19.5 | 19.2 | 18.9 | 18.5 | 18.2 | 17.9 | 17.4 | 17.1 |
| 137.5° | 21.9 | 21.7 | 21.5 | 21.3 | 21.0 | 20.6 | 20.3 | 20.0 | 19.6 | 19.2 | 18.8 |
| 140° | 23.7 | 23.5 | 23.2 | 22.9 | 22.7 | 22.4 | 22.0 | 21.6 | 21.3 | 20.9 | 20.6 |
| 142.5° | 25.3 | 25.1 | 24.9 | 24.5 | 24.4 | 24.0 | 23.6 | 23.2 | 22.9 | 22.5 | 22.2 |
| 145° | 26.7 | 26.5 | 26.3 | 26.0 | 25.8 | 25.4 | 25.1 | 24.7 | 24.4 | 24.1 | 23.7 |
| 147.5° | 28.0 | 27.8 | 27.6 | 27.4 | 27.2 | 26.8 | 26.5 | 26.1 | 25.9 | 25.5 | 25.2 |
| 150° | 29.1 | 28.9 | 28.9 | 28.6 | 28.3 | 28.0 | 27.7 | 27.4 | 27.2 | 26.8 | 26.6 |
| 152.5° | 30.1 | 29.9 | 29.8 | 29.5 | 29.3 | 29.0 | 28.9 | 28.5 | 28.2 | 27.9 | 27.6 |
| 155° | 31.2 | 31.0 | 30.8 | 30.6 | 30.4 | 30.2 | 29.9 | 29.7 | 29.4 | 29.1 | 28.9 |
| 157.5° | 32.4 | 32.2 | 32.1 | 31.8 | 31.7 | 31.4 | 31.2 | 30.9 | 30.7 | 30.5 | 30.3 |
| 160° | 33.8 | 33.6 | 33.4 | 33.3 | 33.0 | 32.8 | 32.6 | 32.3 | 32.1 | 31.9 | 31.8 |
| 162.5° | 35.2 | 35.0 | 34.8 | 34.7 | 34.5 | 34.2 | 34.0 | 33.8 | 33.6 | 33.3 | 33.2 |
| 165° | 36.6 | 36.4 | 36.3 | 36.1 | 35.9 | 35.7 | 35.5 | 35.3 | 35.1 | 34.9 | 34.8 |
| 167.5° | 37.9 | 37.7 | 37.7 | 37.5 | 37.3 | 37.2 | 37.0 | 36.8 | 36.7 | 36.4 | 36.3 |
| 170° | 39.1 | 38.9 | 38.8 | 38.7 | 38.5 | 38.4 | 38.3 | 38.1 | 37.9 | 37.8 | 37.7 |
| 172.5° | 39.9 | 39.7 | 39.6 | 39.6 | 39.4 | 39.3 | 39.2 | 39.2 | 39.1 | 39.0 | 38.9 |
| 175° | 40.6 | 40.4 | 40.4 | 40.3 | 40.2 | 40.2 | 40.1 | 40.0 | 40.0 | 39.9 | 39.8 |
| 177.5° | 40.9 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9960.0 | 9958.8 | 9957.1 | 9955.1 | 9953.3 | 9951.1 | 9946.2 | 9944.7 | 9946.3 | 9947.5 | 9949.7 |
| 5° | 9983.6 | 9984.4 | 9984.7 | 9989.2 | 9993.1 | 10002.8 | 10079.2 | 10109.5 | 10133.0 | 10147.9 | 10170.6 |
| 7.5° | 10055.0 | 10078.0 | 10100.7 | 10131.3 | 10157.6 | 10193.2 | 10326.8 | 10383.7 | 10424.2 | 10453.2 | 10489.0 |
| 10° | 10175.9 | 10226.1 | 10273.1 | 10328.1 | 10375.5 | 10429.6 | 10554.0 | 10609.4 | 10644.5 | 10670.0 | 10693.7 |
| 12.5° | 10297.7 | 10367.2 | 10430.1 | 10491.3 | 10542.6 | 10589.6 | 10633.3 | 10652.7 | 10654.3 | 10655.2 | 10642.5 |
| 15° | 10361.2 | 10427.6 | 10483.0 | 10523.5 | 10553.6 | 10566.9 | 10491.6 | 10452.1 | 10402.2 | 10361.0 | 10293.3 |
| 17.5° | 10321.1 | 10361.0 | 10384.9 | 10382.6 | 10370.1 | 10328.4 | 10115.1 | 9997.8 | 9881.2 | 9776.2 | 9638.6 |
| 20° | 10143.2 | 10140.1 | 10119.3 | 10060.3 | 9989.4 | 9879.0 | 9513.2 | 9302.2 | 9098.2 | 8919.0 | 8701.6 |
| 22.5° | 9812.0 | 9759.9 | 9687.3 | 9560.2 | 9419.1 | 9226.3 | 8702.1 | 8391.6 | 8107.6 | 7856.6 | 7575.5 |
| 25° | 9332.2 | 9225.0 | 9091.0 | 8889.4 | 8670.1 | 8388.8 | 7742.7 | 7356.6 | 7015.6 | 6719.8 | 6395.5 |
| 27.5° | 8718.1 | 8556.6 | 8360.3 | 8081.2 | 7784.1 | 7423.8 | 6707.5 | 6281.4 | 5915.2 | 5598.1 | 5253.0 |
| 30° | 7991.2 | 7781.1 | 7527.7 | 7181.2 | 6822.8 | 6414.1 | 5687.7 | 5256.1 | 4885.5 | 4559.2 | 4213.8 |
| 32.5° | 7169.7 | 6923.7 | 6626.6 | 6237.7 | 5850.2 | 5430.0 | 4728.4 | 4310.6 | 3956.7 | 3642.8 | 3330.1 |
| 35° | 6263.5 | 5999.7 | 5685.4 | 5288.8 | 4903.6 | 4495.1 | 3851.3 | 3474.6 | 3162.0 | 2884.6 | 2632.2 |
| 37.5° | 5291.6 | 5032.6 | 4733.8 | 4360.0 | 4002.8 | 3632.6 | 3077.1 | 2761.4 | 2499.1 | 2268.9 | 2074.0 |
| 40° | 4280.9 | 4054.4 | 3795.8 | 3472.7 | 3167.9 | 2859.5 | 2403.5 | 2152.9 | 1945.9 | 1770.4 | 1624.3 |
| 42.5° | 3282.7 | 3107.1 | 2908.9 | 2653.5 | 2420.3 | 2185.4 | 1834.5 | 1648.9 | 1495.5 | 1369.1 | 1265.9 |
| 45° | 2381.8 | 2264.2 | 2131.3 | 1953.8 | 1792.4 | 1628.6 | 1378.8 | 1248.4 | 1148.5 | 1067.0 | 998.1 |
| 47.5° | 1665.0 | 1596.8 | 1592.7 | 1428.6 | 1310.3 | 1210.1 | 1049.2 | 966.8 | 905.6 | 856.2 | 812.6 |
| 50° | 1169.3 | 1136.3 | 1095.3 | 1036.7 | 981.9 | 925.3 | 827.2 | 777.4 | 741.6 | 711.6 | 684.1 |
| 52.5° | 874.1 | 857.0 | 835.2 | 804.1 | 774.4 | 742.5 | 680.4 | 648.8 | 637.5 | 609.6 | 587.8 |
| 55° | 698.1 | 688.4 | 675.9 | 657.7 | 639.6 | 632.4 | 579.2 | 555.7 | 540.7 | 529.7 | 518.0 |
| 57.5° | 579.9 | 572.6 | 565.2 | 552.8 | 542.4 | 529.7 | 501.5 | 489.4 | 480.5 | 474.1 | 465.9 |
| 60° | 494.7 | 490.3 | 486.2 | 478.9 | 473.2 | 466.4 | 448.5 | 441.7 | 437.1 | 433.1 | 428.0 |
| 62.5° | 436.6 | 434.4 | 432.2 | 428.4 | 425.5 | 421.8 | 409.5 | 406.3 | 403.9 | 401.9 | 398.9 |
| 65° | 394.7 | 393.0 | 391.9 | 389.3 | 387.9 | 385.7 | 375.2 | 373.0 | 371.6 | 370.8 | 369.0 |
| 67.5° | 356.6 | 354.9 | 354.2 | 352.3 | 351.7 | 350.3 | 341.7 | 340.5 | 340.0 | 340.3 | 339.7 |
| 70° | 321.0 | 320.3 | 320.6 | 320.4 | 321.2 | 321.4 | 316.2 | 316.1 | 316.7 | 317.8 | 317.9 |
| 72.5° | 299.7 | 299.7 | 300.0 | 300.2 | 301.0 | 301.3 | 297.0 | 296.8 | 297.0 | 297.9 | 297.9 |
| 75° | 279.3 | 279.7 | 280.7 | 281.1 | 282.0 | 282.2 | 276.5 | 275.9 | 275.9 | 276.6 | 276.4 |
| 77.5° | 251.2 | 252.4 | 254.5 | 255.6 | 257.4 | 257.7 | 251.3 | 250.5 | 250.6 | 251.3 | 250.7 |
| 80° | 219.3 | 221.6 | 225.0 | 227.3 | 230.1 | 231.1 | 224.5 | 222.9 | 221.4 | 221.3 | 219.9 |
| 82.5° | 185.5 | 188.3 | 192.3 | 194.4 | 197.3 | 197.9 | 186.9 | 184.7 | 183.5 | 183.6 | 182.4 |
| 85° | 141.5 | 143.7 | 147.3 | 148.6 | 150.3 | 150.2 | 137.5 | 132.1 | 133.6 | 131.3 | 133.1 |
| 87.5° | 88.8 | 90.0 | 92.4 | 92.6 | 93.5 | 93.3 | 80.6 | 78.0 | 77.3 | 77.4 | 76.4 |
| 90° | 38.8 | 39.2 | 40.8 | 40.6 | 41.5 | 40.9 | 30.3 | 28.7 | 28.1 | 28.9 | 28.0 |
| 92.5° | 2.5 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 1.8 | 1.5 | 1.6 | 1.5 | 1.7 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 |
| 97.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 |
| 100° | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | 2.0 |
| 102.5° | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 |
| 105° | 2.9 | 2.8 | 2.8 | 2.7 | 2.6 | 2.6 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 |
| 107.5° | 3.4 | 3.3 | 3.2 | 3.1 | 3.1 | 3.0 | 3.1 | 3.1 | 3.0 | 2.9 | 2.9 |
| 110° | 3.9 | 3.8 | 3.7 | 3.7 | 3.6 | 3.5 | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|--------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 112.5° | 4.6 | 4.6 | 4.5 | 4.3 | 4.1 | 4.0 | 4.3 | 4.2 | 4.1 | 3.9 | 3.8 |
| 115° | 5.5 | 5.4 | 5.2 | 5.1 | 5.0 | 4.8 | 5.0 | 5.0 | 4.8 | 4.6 | 4.5 |
| 117.5° | 6.5 | 6.3 | 6.2 | 6.0 | 5.7 | 5.5 | 5.9 | 5.8 | 5.6 | 5.4 | 5.2 |
| 120° | 7.6 | 7.4 | 7.2 | 7.0 | 6.7 | 6.6 | 6.9 | 6.8 | 6.7 | 6.4 | 6.2 |
| 122.5° | 8.8 | 8.6 | 8.3 | 8.1 | 7.9 | 7.6 | 8.1 | 8.1 | 7.7 | 7.5 | 7.2 |
| 125° | 10.2 | 9.9 | 9.7 | 9.5 | 9.1 | 8.9 | 9.5 | 9.3 | 9.1 | 8.7 | 8.5 |
| 127.5° | 11.7 | 11.5 | 11.1 | 11.0 | 10.6 | 10.3 | 10.9 | 10.8 | 10.5 | 10.2 | 9.8 |
| 130° | 13.4 | 13.0 | 12.7 | 12.5 | 12.2 | 11.8 | 12.5 | 12.4 | 12.1 | 11.7 | 11.4 |
| 132.5° | 15.1 | 14.8 | 14.4 | 14.1 | 13.8 | 13.5 | 14.1 | 14.1 | 13.9 | 13.5 | 13.2 |
| 135° | 16.8 | 16.5 | 16.1 | 15.8 | 15.5 | 15.3 | 16.0 | 15.9 | 15.6 | 15.3 | 15.0 |
| 137.5° | 18.5 | 18.2 | 17.9 | 17.6 | 17.2 | 17.0 | 17.9 | 17.9 | 17.6 | 17.2 | 17.0 |
| 140° | 20.2 | 20.0 | 19.6 | 19.4 | 19.0 | 18.8 | 19.8 | 19.8 | 19.6 | 19.2 | 18.9 |
| 142.5° | 21.8 | 21.5 | 21.3 | 21.1 | 20.8 | 20.5 | 21.6 | 21.6 | 21.5 | 21.2 | 21.0 |
| 145° | 23.3 | 23.1 | 22.9 | 22.7 | 22.4 | 22.2 | 23.4 | 23.5 | 23.3 | 23.1 | 22.9 |
| 147.5° | 24.9 | 24.6 | 24.4 | 24.2 | 24.0 | 23.9 | 25.2 | 25.4 | 25.2 | 25.0 | 24.8 |
| 150° | 26.2 | 26.0 | 25.8 | 25.6 | 25.5 | 25.3 | 27.0 | 27.3 | 27.1 | 27.0 | 26.8 |
| 152.5° | 27.4 | 27.2 | 27.0 | 26.8 | 26.6 | 26.5 | 28.7 | 29.0 | 28.9 | 28.7 | 28.6 |
| 155° | 28.7 | 28.5 | 28.3 | 28.1 | 27.9 | 27.8 | 30.3 | 30.7 | 30.6 | 30.5 | 30.3 |
| 157.5° | 30.1 | 29.9 | 29.6 | 29.5 | 29.3 | 29.2 | 31.8 | 32.4 | 32.3 | 32.1 | 32.0 |
| 160° | 31.5 | 31.3 | 31.1 | 30.9 | 30.7 | 30.6 | 33.4 | 34.0 | 33.9 | 33.7 | 33.6 |
| 162.5° | 33.0 | 32.9 | 32.6 | 32.4 | 32.3 | 32.1 | 34.9 | 35.5 | 35.4 | 35.3 | 35.2 |
| 165° | 34.6 | 34.4 | 34.2 | 34.1 | 33.9 | 33.8 | 36.4 | 37.0 | 36.9 | 36.8 | 36.7 |
| 167.5° | 36.2 | 36.1 | 35.9 | 35.7 | 35.6 | 35.5 | 37.9 | 38.5 | 38.4 | 38.3 | 38.2 |
| 170° | 37.6 | 37.5 | 37.4 | 37.3 | 37.2 | 37.2 | 39.2 | 39.6 | 39.6 | 39.5 | 39.4 |
| 172.5° | 38.8 | 38.8 | 38.7 | 38.6 | 38.5 | 38.5 | 40.2 | 40.7 | 40.6 | 40.6 | 40.4 |
| 175° | 39.8 | 39.7 | 39.7 | 39.7 | 39.6 | 39.6 | 41.0 | 41.3 | 41.2 | 41.2 | 41.1 |
| 177.5° | 40.7 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 41.4 | 41.6 | 41.6 | 41.6 | 41.5 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9950.3 | 9953.7 | 9954.3 | 9958.3 | 9958.1 | 9962.8 | 9962.1 | 9966.1 | 9963.8 | 9967.1 | 9964.2 |
| 5° | 10184.0 | 10205.2 | 10216.2 | 10236.9 | 10243.5 | 10261.9 | 10267.2 | 10284.1 | 10284.8 | 10298.2 | 10295.1 |
| 7.5° | 10514.4 | 10545.7 | 10564.2 | 10589.8 | 10602.7 | 10624.0 | 10633.3 | 10649.2 | 10654.2 | 10666.7 | 10667.7 |
| 10° | 10711.6 | 10726.8 | 10737.4 | 10744.6 | 10751.1 | 10754.2 | 10757.7 | 10756.8 | 10757.7 | 10756.3 | 10759.4 |
| 12.5° | 10634.1 | 10611.9 | 10597.3 | 10569.5 | 10553.4 | 10522.8 | 10507.7 | 10478.3 | 10467.5 | 10442.2 | 10438.6 |
| 15° | 10241.0 | 10163.9 | 10109.3 | 10030.0 | 9980.1 | 9902.0 | 9856.4 | 9786.0 | 9753.9 | 9697.8 | 9683.1 |
| 17.5° | 9524.6 | 9381.3 | 9270.4 | 9128.2 | 9029.5 | 8896.5 | 8812.9 | 8702.9 | 8642.5 | 8553.8 | 8523.1 |
| 20° | 8520.3 | 8308.3 | 8142.0 | 7943.8 | 7801.9 | 7625.3 | 7512.1 | 7369.5 | 7286.7 | 7177.6 | 7133.4 |
| 22.5° | 7341.2 | 7077.2 | 6869.4 | 6635.4 | 6464.2 | 6267.3 | 6131.8 | 5977.4 | 5887.3 | 5768.9 | 5716.5 |
| 25° | 6125.9 | 5834.8 | 5603.8 | 5357.1 | 5176.3 | 4979.0 | 4843.4 | 4691.8 | 4598.5 | 4486.1 | 4434.0 |
| 27.5° | 4963.5 | 4668.8 | 4445.6 | 4216.3 | 4050.5 | 3872.4 | 3750.1 | 3617.7 | 3535.0 | 3438.9 | 3389.9 |
| 30° | 3937.8 | 3677.9 | 3487.9 | 3297.7 | 3159.7 | 3015.1 | 2913.4 | 2803.7 | 2731.1 | 2648.9 | 2602.2 |
| 32.5° | 3102.1 | 2901.5 | 2752.7 | 2601.7 | 2488.8 | 2367.9 | 2280.1 | 2183.3 | 2117.7 | 2044.4 | 2002.1 |
| 35° | 2456.9 | 2300.9 | 2182.3 | 2057.9 | 1961.0 | 1858.1 | 1780.7 | 1697.0 | 1638.3 | 1575.1 | 1538.6 |
| 37.5° | 1941.1 | 1817.2 | 1719.6 | 1616.3 | 1536.7 | 1451.3 | 1422.6 | 1326.8 | 1265.8 | 1215.4 | 1180.4 |
| 40° | 1523.5 | 1424.8 | 1344.1 | 1265.1 | 1200.1 | 1135.5 | 1083.5 | 1032.3 | 992.9 | 956.8 | 931.9 |
| 42.5° | 1189.7 | 1118.2 | 1059.2 | 1001.4 | 954.0 | 906.9 | 869.3 | 834.0 | 807.5 | 783.9 | 767.8 |
| 45° | 945.7 | 896.6 | 855.6 | 814.8 | 781.4 | 750.0 | 724.6 | 702.2 | 685.0 | 670.9 | 660.8 |
| 47.5° | 776.9 | 743.3 | 714.4 | 686.9 | 664.2 | 643.6 | 626.7 | 621.1 | 602.7 | 590.3 | 585.6 |
| 50° | 660.3 | 640.0 | 618.0 | 597.7 | 582.5 | 567.5 | 556.5 | 545.7 | 538.8 | 533.1 | 531.4 |
| 52.5° | 573.3 | 557.7 | 545.4 | 532.6 | 522.7 | 511.9 | 504.3 | 497.1 | 493.4 | 490.4 | 490.0 |
| 55° | 508.5 | 497.7 | 489.5 | 480.9 | 474.9 | 468.6 | 464.7 | 461.0 | 459.3 | 457.8 | 457.9 |
| 57.5° | 459.5 | 452.2 | 447.0 | 441.5 | 438.2 | 435.2 | 434.2 | 433.2 | 433.7 | 434.0 | 434.8 |
| 60° | 423.9 | 419.1 | 415.8 | 412.6 | 411.2 | 410.3 | 411.0 | 411.9 | 413.7 | 415.0 | 416.3 |
| 62.5° | 396.5 | 393.8 | 392.2 | 390.4 | 390.3 | 390.4 | 391.8 | 393.3 | 395.5 | 397.1 | 398.3 |
| 65° | 368.3 | 366.8 | 366.3 | 365.2 | 365.7 | 366.1 | 367.8 | 369.0 | 371.1 | 372.4 | 373.9 |
| 67.5° | 339.9 | 339.6 | 339.8 | 339.8 | 340.9 | 341.7 | 343.4 | 344.6 | 346.5 | 347.7 | 348.9 |
| 70° | 318.9 | 319.0 | 319.8 | 320.0 | 321.0 | 321.6 | 323.1 | 323.9 | 325.5 | 326.5 | 328.0 |
| 72.5° | 298.4 | 298.2 | 298.3 | 297.9 | 298.2 | 298.1 | 298.9 | 299.3 | 300.7 | 301.4 | 303.3 |
| 75° | 276.7 | 275.8 | 275.6 | 274.5 | 274.6 | 273.9 | 274.3 | 274.2 | 275.1 | 275.5 | 276.8 |
| 77.5° | 250.5 | 248.9 | 248.1 | 246.5 | 246.4 | 245.9 | 246.5 | 246.9 | 248.5 | 249.4 | 250.9 |
| 80° | 219.0 | 216.6 | 215.4 | 213.6 | 213.9 | 213.8 | 215.4 | 216.7 | 218.6 | 219.0 | 220.9 |
| 82.5° | 182.0 | 179.6 | 178.3 | 176.5 | 176.9 | 177.0 | 178.4 | 178.7 | 180.4 | 181.2 | 183.4 |
| 85° | 130.3 | 131.3 | 128.7 | 128.9 | 128.3 | 129.4 | 130.3 | 131.6 | 133.0 | 135.4 | 137.2 |
| 87.5° | 76.7 | 76.4 | 77.4 | 77.5 | 78.8 | 79.5 | 81.6 | 82.8 | 85.2 | 87.1 | 90.5 |
| 90° | 28.3 | 27.4 | 28.5 | 28.3 | 29.9 | 29.9 | 31.3 | 30.9 | 32.5 | 32.9 | 34.9 |
| 92.5° | 1.5 | 1.6 | 1.5 | 1.6 | 1.5 | 1.7 | 1.5 | 1.6 | 1.5 | 1.7 | 1.5 |
| 95° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 97.5° | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 100° | 2.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 102.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 105° | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 |
| 107.5° | 2.8 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.5 | 2.4 | 2.4 | 2.4 |
| 110° | 3.2 | 3.1 | 3.1 | 2.9 | 2.9 | 2.9 | 2.8 | 2.8 | 2.7 | 2.7 | 2.7 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|--------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 112.5° | 3.7 | 3.6 | 3.5 | 3.4 | 3.3 | 3.2 | 3.1 | 3.1 | 3.1 | 3.0 | 2.9 |
| 115° | 4.3 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6 | 3.6 | 3.5 | 3.4 | 3.4 | 3.3 |
| 117.5° | 5.0 | 4.8 | 4.6 | 4.5 | 4.3 | 4.1 | 4.0 | 3.9 | 3.8 | 3.7 | 3.7 |
| 120° | 5.9 | 5.6 | 5.4 | 5.2 | 5.0 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3 | 4.3 |
| 122.5° | 6.9 | 6.7 | 6.4 | 6.2 | 5.9 | 5.6 | 5.4 | 5.3 | 5.2 | 5.0 | 5.0 |
| 125° | 8.1 | 7.9 | 7.6 | 7.2 | 6.9 | 6.7 | 6.5 | 6.2 | 6.0 | 5.9 | 5.7 |
| 127.5° | 9.6 | 9.2 | 8.8 | 8.5 | 8.1 | 7.9 | 7.6 | 7.4 | 7.1 | 6.9 | 6.7 |
| 130° | 11.1 | 10.8 | 10.3 | 10.0 | 9.6 | 9.4 | 9.1 | 8.8 | 8.5 | 8.3 | 8.1 |
| 132.5° | 12.8 | 12.5 | 12.1 | 11.7 | 11.3 | 11.1 | 10.7 | 10.4 | 10.1 | 9.8 | 9.6 |
| 135° | 14.6 | 14.3 | 14.0 | 13.6 | 13.2 | 12.9 | 12.6 | 12.3 | 12.0 | 11.7 | 11.4 |
| 137.5° | 16.7 | 16.3 | 15.9 | 15.6 | 15.3 | 15.0 | 14.6 | 14.3 | 14.0 | 13.8 | 13.5 |
| 140° | 18.6 | 18.4 | 18.0 | 17.7 | 17.3 | 17.1 | 16.8 | 16.5 | 16.1 | 15.9 | 15.6 |
| 142.5° | 20.6 | 20.3 | 20.0 | 19.8 | 19.5 | 19.2 | 18.9 | 18.6 | 18.4 | 18.2 | 17.9 |
| 145° | 22.7 | 22.4 | 22.1 | 21.9 | 21.6 | 21.5 | 21.1 | 20.9 | 20.6 | 20.4 | 20.2 |
| 147.5° | 24.6 | 24.4 | 24.2 | 24.0 | 23.7 | 23.5 | 23.2 | 23.0 | 22.8 | 22.7 | 22.4 |
| 150° | 26.5 | 26.3 | 26.1 | 25.9 | 25.8 | 25.6 | 25.3 | 25.1 | 24.9 | 24.8 | 24.5 |
| 152.5° | 28.4 | 28.2 | 28.0 | 27.9 | 27.6 | 27.4 | 27.3 | 27.2 | 27.0 | 26.8 | 26.6 |
| 155° | 30.2 | 30.1 | 29.9 | 29.7 | 29.5 | 29.3 | 29.2 | 29.0 | 28.9 | 28.7 | 28.5 |
| 157.5° | 31.9 | 31.8 | 31.6 | 31.5 | 31.3 | 31.1 | 30.9 | 30.8 | 30.6 | 30.5 | 30.3 |
| 160° | 33.4 | 33.3 | 33.2 | 33.1 | 32.9 | 32.8 | 32.6 | 32.4 | 32.3 | 32.1 | 31.9 |
| 162.5° | 35.0 | 34.8 | 34.8 | 34.7 | 34.5 | 34.4 | 34.2 | 34.0 | 33.8 | 33.7 | 33.5 |
| 165° | 36.5 | 36.4 | 36.3 | 36.1 | 36.0 | 35.9 | 35.7 | 35.5 | 35.4 | 35.2 | 35.0 |
| 167.5° | 38.0 | 37.9 | 37.7 | 37.7 | 37.5 | 37.4 | 37.3 | 37.1 | 36.9 | 36.8 | 36.6 |
| 170° | 39.3 | 39.2 | 39.2 | 39.0 | 38.9 | 38.7 | 38.6 | 38.5 | 38.3 | 38.2 | 38.0 |
| 172.5° | 40.4 | 40.3 | 40.2 | 40.1 | 40.0 | 39.9 | 39.8 | 39.7 | 39.6 | 39.5 | 39.4 |
| 175° | 41.0 | 41.0 | 41.0 | 40.8 | 40.8 | 40.7 | 40.7 | 40.7 | 40.6 | 40.6 | 40.5 |
| 177.5° | 41.5 | 41.5 | 41.5 | 41.4 | 41.4 | 41.4 | 41.3 | 41.3 | 41.3 | 41.2 | 41.2 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° | 92.5° | 95° | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9967.1 | 9964.6 | 9965.8 | 9961.1 | 9962.3 | 9956.7 | 9956.1 | 9949.7 | 9949.2 | 9943.2 | 9940.9 |
| 5° | 10304.6 | 10299.0 | 10305.3 | 10295.6 | 10297.5 | 10284.8 | 10283.8 | 10267.3 | 10261.6 | 10241.1 | 10232.2 |
| 7.5° | 10675.5 | 10673.4 | 10677.3 | 10669.1 | 10668.8 | 10657.5 | 10652.8 | 10638.1 | 10628.9 | 10607.4 | 10593.6 |
| 10° | 10756.8 | 10758.7 | 10755.6 | 10756.3 | 10751.9 | 10750.7 | 10746.2 | 10743.3 | 10735.9 | 10730.3 | 10722.0 |
| 12.5° | 10419.4 | 10421.4 | 10408.5 | 10416.7 | 10410.2 | 10425.3 | 10424.1 | 10441.8 | 10444.5 | 10467.0 | 10475.5 |
| 15° | 9639.6 | 9637.1 | 9612.4 | 9628.1 | 9619.6 | 9652.7 | 9660.1 | 9704.6 | 9728.3 | 9785.4 | 9820.5 |
| 17.5° | 8461.6 | 8455.2 | 8420.5 | 8439.4 | 8429.7 | 8478.5 | 8494.8 | 8565.9 | 8610.2 | 8702.2 | 8767.8 |
| 20° | 7057.4 | 7045.2 | 7004.5 | 7026.7 | 7016.8 | 7072.2 | 7095.5 | 7181.4 | 7238.5 | 7360.4 | 7447.0 |
| 22.5° | 5635.7 | 5616.5 | 5576.6 | 5597.4 | 5587.9 | 5645.3 | 5675.7 | 5761.9 | 5827.4 | 5952.4 | 6053.6 |
| 25° | 4359.1 | 4341.9 | 4303.4 | 4317.9 | 4314.5 | 4362.9 | 4390.0 | 4471.5 | 4535.8 | 4655.0 | 4751.5 |
| 27.5° | 3324.8 | 3307.0 | 3272.1 | 3282.4 | 3278.9 | 3320.2 | 3345.6 | 3413.7 | 3469.2 | 3569.4 | 3654.2 |
| 30° | 2544.7 | 2523.1 | 2493.6 | 2499.2 | 2496.9 | 2530.3 | 2554.1 | 2611.5 | 2658.9 | 2743.7 | 2816.8 |
| 32.5° | 1950.5 | 1928.9 | 1901.7 | 1904.3 | 1900.8 | 1927.1 | 1946.7 | 1996.5 | 2037.9 | 2109.9 | 2173.5 |
| 35° | 1492.4 | 1517.7 | 1459.8 | 1496.4 | 1458.3 | 1514.3 | 1494.1 | 1525.3 | 1560.9 | 1621.6 | 1674.6 |
| 37.5° | 1147.3 | 1129.7 | 1114.8 | 1113.2 | 1113.1 | 1126.1 | 1141.5 | 1171.4 | 1202.8 | 1248.1 | 1294.8 |
| 40° | 909.2 | 896.8 | 887.2 | 886.5 | 887.2 | 896.4 | 907.8 | 928.5 | 951.4 | 983.9 | 1018.3 |
| 42.5° | 754.1 | 745.9 | 740.0 | 739.6 | 741.5 | 748.1 | 755.9 | 768.2 | 783.2 | 804.3 | 827.8 |
| 45° | 652.6 | 648.1 | 644.8 | 644.6 | 645.5 | 649.0 | 653.4 | 661.1 | 670.6 | 683.7 | 698.7 |
| 47.5° | 581.5 | 580.4 | 578.3 | 578.4 | 577.5 | 578.9 | 579.4 | 583.8 | 588.7 | 598.7 | 618.1 |
| 50° | 529.7 | 529.7 | 528.3 | 528.2 | 526.9 | 526.8 | 525.7 | 527.4 | 529.7 | 535.9 | 542.1 |
| 52.5° | 488.7 | 488.6 | 487.1 | 486.8 | 485.4 | 485.3 | 484.4 | 485.0 | 485.3 | 488.4 | 492.1 |
| 55° | 456.7 | 455.7 | 453.7 | 453.1 | 452.6 | 453.4 | 453.0 | 453.1 | 452.6 | 453.9 | 455.1 |
| 57.5° | 433.7 | 432.5 | 430.6 | 430.0 | 429.9 | 430.9 | 430.9 | 430.6 | 428.8 | 427.7 | 426.0 |
| 60° | 415.5 | 414.3 | 412.2 | 411.8 | 412.1 | 413.4 | 413.3 | 412.2 | 409.6 | 407.4 | 404.8 |
| 62.5° | 397.7 | 397.2 | 396.1 | 396.0 | 395.8 | 395.9 | 395.1 | 393.9 | 391.4 | 388.9 | 386.1 |
| 65° | 373.7 | 374.0 | 373.3 | 373.4 | 372.4 | 372.2 | 370.8 | 369.7 | 367.2 | 365.0 | 362.1 |
| 67.5° | 348.9 | 349.1 | 348.5 | 348.5 | 348.0 | 348.1 | 347.1 | 346.1 | 344.0 | 342.2 | 339.9 |
| 70° | 328.4 | 328.9 | 328.5 | 328.6 | 328.0 | 327.8 | 326.5 | 325.5 | 323.3 | 321.8 | 319.7 |
| 72.5° | 303.9 | 304.9 | 304.9 | 305.2 | 304.2 | 303.9 | 302.3 | 301.0 | 298.9 | 297.8 | 296.2 |
| 75° | 277.4 | 278.8 | 279.1 | 279.8 | 278.6 | 277.9 | 276.1 | 275.1 | 273.5 | 272.8 | 271.7 |
| 77.5° | 251.5 | 253.1 | 254.6 | 256.0 | 253.9 | 252.2 | 250.0 | 248.3 | 246.0 | 245.0 | 243.4 |
| 80° | 222.5 | 225.3 | 228.6 | 231.4 | 227.7 | 224.1 | 220.5 | 217.9 | 214.7 | 213.4 | 211.3 |
| 82.5° | 184.5 | 187.4 | 189.3 | 191.1 | 188.6 | 185.9 | 182.5 | 180.1 | 176.8 | 175.4 | 173.1 |
| 85° | 140.2 | 143.8 | 144.9 | 145.8 | 144.3 | 142.8 | 139.6 | 135.2 | 133.1 | 129.7 | 128.0 |
| 87.5° | 92.2 | 94.3 | 94.8 | 95.1 | 94.0 | 93.4 | 91.3 | 89.3 | 85.6 | 82.9 | 79.7 |
| 90° | 34.9 | 36.4 | 35.7 | 36.3 | 35.0 | 35.1 | 33.0 | 32.2 | 29.1 | 28.0 | 25.2 |
| 92.5° | 1.6 | 1.5 | 1.5 | 1.5 | 1.7 | 1.5 | 1.7 | 1.5 | 1.6 | 1.5 | 1.6 |
| 95° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 97.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.8 |
| 100° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 102.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 |
| 105° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 |
| 107.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.5 |
| 110° | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.8 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° | 92.5° | 95° | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|
| 112.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 | 3.0 | 3.1 | 3.1 |
| 115° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.5 |
| 117.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.8 |
| 120° | 4.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.3 | 4.3 | 4.5 |
| 122.5° | 4.9 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 5.0 | 5.0 | 5.2 |
| 125° | 5.7 | 5.6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.6 | 5.7 | 5.8 | 6.0 |
| 127.5° | 6.7 | 6.7 | 6.6 | 6.5 | 6.5 | 6.5 | 6.6 | 6.7 | 6.7 | 6.8 | 7.0 |
| 130° | 8.0 | 7.9 | 7.8 | 7.7 | 7.7 | 7.7 | 7.8 | 7.9 | 8.1 | 8.1 | 8.3 |
| 132.5° | 9.6 | 9.4 | 9.3 | 9.2 | 9.2 | 9.2 | 9.3 | 9.4 | 9.6 | 9.6 | 9.9 |
| 135° | 11.3 | 11.1 | 11.1 | 11.0 | 11.0 | 11.0 | 11.0 | 11.1 | 11.2 | 11.4 | 11.7 |
| 137.5° | 13.3 | 13.1 | 13.0 | 12.9 | 12.9 | 12.9 | 13.0 | 13.0 | 13.2 | 13.4 | 13.7 |
| 140° | 15.5 | 15.3 | 15.3 | 15.1 | 15.1 | 15.1 | 15.1 | 15.2 | 15.4 | 15.5 | 15.7 |
| 142.5° | 17.7 | 17.5 | 17.4 | 17.3 | 17.3 | 17.3 | 17.4 | 17.4 | 17.6 | 17.7 | 17.9 |
| 145° | 20.0 | 19.9 | 19.8 | 19.7 | 19.6 | 19.6 | 19.7 | 19.8 | 19.9 | 20.0 | 20.1 |
| 147.5° | 22.3 | 22.1 | 22.0 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 22.0 | 22.1 | 22.3 |
| 150° | 24.5 | 24.4 | 24.2 | 24.2 | 24.1 | 24.1 | 24.1 | 24.1 | 24.2 | 24.2 | 24.4 |
| 152.5° | 26.5 | 26.3 | 26.3 | 26.2 | 26.1 | 26.1 | 26.1 | 26.0 | 26.1 | 26.1 | 26.2 |
| 155° | 28.5 | 28.3 | 28.2 | 28.1 | 28.0 | 28.0 | 28.0 | 27.9 | 27.9 | 27.9 | 27.9 |
| 157.5° | 30.3 | 30.1 | 30.1 | 29.9 | 29.8 | 29.7 | 29.7 | 29.6 | 29.6 | 29.5 | 29.5 |
| 160° | 31.9 | 31.8 | 31.6 | 31.5 | 31.4 | 31.3 | 31.3 | 31.1 | 31.1 | 31.0 | 30.9 |
| 162.5° | 33.4 | 33.3 | 33.2 | 33.0 | 33.0 | 32.8 | 32.7 | 32.6 | 32.5 | 32.4 | 32.4 |
| 165° | 34.9 | 34.8 | 34.7 | 34.5 | 34.4 | 34.3 | 34.2 | 34.1 | 34.0 | 33.9 | 33.8 |
| 167.5° | 36.5 | 36.3 | 36.3 | 36.1 | 36.1 | 35.9 | 35.9 | 35.7 | 35.7 | 35.6 | 35.6 |
| 170° | 37.9 | 37.8 | 37.7 | 37.7 | 37.6 | 37.5 | 37.5 | 37.3 | 37.3 | 37.3 | 37.3 |
| 172.5° | 39.3 | 39.2 | 39.2 | 39.1 | 39.0 | 39.0 | 38.9 | 38.9 | 38.8 | 38.8 | 38.8 |
| 175° | 40.4 | 40.4 | 40.3 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.1 | 40.1 |
| 177.5° | 41.2 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.0 | 41.0 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9934.5 | 9931.8 | 9924.9 | 9921.5 | 9915.2 | 9912.0 | 9907.0 | 9903.8 | 9899.8 | 9896.8 | 9895.3 |
| 5° | 10209.7 | 10197.0 | 10171.5 | 10155.9 | 10128.4 | 10110.3 | 10082.9 | 10063.0 | 10034.8 | 10014.0 | 9987.3 |
| 7.5° | 10567.8 | 10548.3 | 10515.7 | 10491.0 | 10452.5 | 10423.1 | 10380.0 | 10345.4 | 10297.7 | 10258.2 | 10209.5 |
| 10° | 10713.6 | 10702.2 | 10687.6 | 10671.6 | 10650.4 | 10629.5 | 10600.0 | 10570.0 | 10529.9 | 10490.1 | 10438.1 |
| 12.5° | 10498.1 | 10508.8 | 10529.9 | 10539.8 | 10556.0 | 10561.4 | 10568.8 | 10565.3 | 10558.9 | 10542.6 | 10519.0 |
| 15° | 9887.8 | 9932.5 | 10003.2 | 10052.0 | 10120.5 | 10168.6 | 10232.2 | 10273.2 | 10320.4 | 10348.6 | 10375.4 |
| 17.5° | 8883.9 | 8970.4 | 9095.1 | 9194.5 | 9328.0 | 9436.6 | 9569.6 | 9674.1 | 9794.8 | 9887.3 | 9985.9 |
| 20° | 7598.0 | 7719.1 | 7891.2 | 8037.4 | 8230.9 | 8395.0 | 8605.2 | 8781.3 | 8986.6 | 9157.8 | 9342.6 |
| 22.5° | 6214.1 | 6356.5 | 6553.8 | 6730.1 | 6961.1 | 7167.4 | 7430.8 | 7663.7 | 7941.3 | 8190.1 | 8465.2 |
| 25° | 4908.5 | 5048.1 | 5249.0 | 5431.5 | 5681.0 | 5908.3 | 6196.0 | 6463.1 | 6785.3 | 7085.8 | 7430.8 |
| 27.5° | 3788.9 | 3912.9 | 4089.5 | 4253.8 | 4482.2 | 4705.5 | 4997.4 | 5282.2 | 5626.1 | 5949.0 | 6320.8 |
| 30° | 2926.1 | 3026.7 | 3168.2 | 3300.4 | 3483.8 | 3666.3 | 3926.4 | 4189.8 | 4531.9 | 4866.6 | 5247.7 |
| 32.5° | 2267.7 | 2353.4 | 2471.5 | 2578.9 | 2720.1 | 2857.8 | 3049.3 | 3259.7 | 3559.9 | 3880.4 | 4249.0 |
| 35° | 1755.4 | 1828.7 | 1929.3 | 2021.8 | 2137.9 | 2247.2 | 2390.1 | 2540.4 | 2769.4 | 3039.1 | 3368.9 |
| 37.5° | 1399.5 | 1429.4 | 1501.2 | 1576.9 | 1673.4 | 1763.2 | 1875.0 | 1986.1 | 2149.9 | 2362.7 | 2632.2 |
| 40° | 1064.3 | 1111.8 | 1170.2 | 1229.9 | 1303.0 | 1375.0 | 1497.6 | 1556.6 | 1664.5 | 1817.3 | 2026.4 |
| 42.5° | 858.8 | 892.1 | 933.2 | 974.7 | 1025.7 | 1075.8 | 1137.8 | 1201.0 | 1281.7 | 1385.1 | 1533.9 |
| 45° | 718.6 | 740.4 | 766.9 | 794.5 | 828.0 | 862.2 | 903.7 | 947.1 | 1001.8 | 1065.4 | 1155.7 |
| 47.5° | 625.0 | 637.1 | 654.4 | 673.2 | 696.2 | 719.9 | 746.8 | 774.5 | 808.5 | 846.1 | 897.6 |
| 50° | 551.9 | 561.9 | 575.4 | 588.1 | 603.9 | 628.2 | 638.8 | 654.1 | 674.5 | 696.7 | 725.5 |
| 52.5° | 499.1 | 505.7 | 514.2 | 521.5 | 531.4 | 540.5 | 552.5 | 563.0 | 577.1 | 590.4 | 609.0 |
| 55° | 457.9 | 460.3 | 465.1 | 469.8 | 476.7 | 482.9 | 491.0 | 498.0 | 506.9 | 514.9 | 526.6 |
| 57.5° | 426.1 | 426.3 | 428.5 | 431.0 | 435.4 | 439.3 | 444.9 | 449.4 | 455.7 | 460.8 | 467.8 |
| 60° | 403.3 | 402.0 | 402.5 | 403.3 | 405.8 | 408.3 | 412.0 | 414.9 | 418.8 | 421.7 | 425.6 |
| 62.5° | 384.2 | 382.3 | 381.9 | 381.6 | 382.9 | 383.8 | 385.7 | 387.1 | 389.4 | 390.7 | 392.8 |
| 65° | 360.2 | 357.9 | 357.1 | 356.0 | 356.4 | 356.1 | 356.8 | 356.9 | 358.0 | 358.3 | 359.5 |
| 67.5° | 338.4 | 336.6 | 335.3 | 333.9 | 333.4 | 332.3 | 331.9 | 330.9 | 330.8 | 330.0 | 329.8 |
| 70° | 318.5 | 316.7 | 315.8 | 314.5 | 313.8 | 312.5 | 311.6 | 310.1 | 309.0 | 307.5 | 306.7 |
| 72.5° | 295.5 | 294.5 | 294.2 | 293.3 | 293.1 | 292.3 | 292.1 | 290.8 | 290.2 | 289.0 | 288.2 |
| 75° | 271.5 | 270.6 | 270.6 | 269.7 | 269.6 | 268.7 | 268.6 | 267.3 | 266.7 | 265.4 | 264.8 |
| 77.5° | 242.9 | 241.6 | 241.2 | 240.2 | 240.5 | 240.1 | 240.4 | 239.5 | 239.0 | 237.8 | 237.4 |
| 80° | 210.7 | 209.0 | 208.3 | 207.0 | 207.4 | 206.7 | 207.4 | 207.3 | 207.8 | 206.7 | 206.5 |
| 82.5° | 172.4 | 170.7 | 170.3 | 169.4 | 170.0 | 170.1 | 171.4 | 170.7 | 171.0 | 170.0 | 170.5 |
| 85° | 125.5 | 124.1 | 122.3 | 122.1 | 120.8 | 122.1 | 120.6 | 121.6 | 119.8 | 121.0 | 119.4 |
| 87.5° | 77.7 | 75.0 | 73.6 | 71.7 | 70.9 | 69.0 | 68.3 | 67.0 | 67.3 | 66.7 | 67.1 |
| 90° | 24.5 | 22.1 | 21.5 | 19.3 | 18.9 | 17.0 | 17.0 | 15.5 | 15.7 | 14.2 | 14.5 |
| 92.5° | 1.5 | 1.5 | 1.5 | 1.6 | 1.5 | 1.5 | 1.5 | 1.6 | 1.5 | 1.6 | 1.5 |
| 95° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 |
| 100° | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 |
| 102.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 |
| 105° | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.6 | 2.6 |
| 107.5° | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 | 2.7 | 2.8 | 2.8 | 2.9 | 2.9 | 3.1 |
| 110° | 2.8 | 2.8 | 2.9 | 2.9 | 3.0 | 3.1 | 3.1 | 3.2 | 3.3 | 3.4 | 3.6 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 3.1 | 3.2 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.1 |
| 115° | 3.5 | 3.6 | 3.6 | 3.7 | 3.8 | 3.9 | 4.1 | 4.3 | 4.5 | 4.6 | 4.8 |
| 117.5° | 3.9 | 4.0 | 4.1 | 4.3 | 4.4 | 4.6 | 4.8 | 5.0 | 5.2 | 5.4 | 5.5 |
| 120° | 4.5 | 4.6 | 4.8 | 5.0 | 5.2 | 5.3 | 5.5 | 5.8 | 6.0 | 6.3 | 6.6 |
| 122.5° | 5.2 | 5.4 | 5.5 | 5.8 | 6.0 | 6.3 | 6.6 | 6.8 | 7.1 | 7.4 | 7.7 |
| 125° | 6.2 | 6.4 | 6.6 | 6.8 | 7.1 | 7.4 | 7.7 | 8.1 | 8.3 | 8.6 | 9.0 |
| 127.5° | 7.2 | 7.5 | 7.7 | 8.1 | 8.3 | 8.6 | 9.0 | 9.4 | 9.6 | 10.0 | 10.3 |
| 130° | 8.6 | 8.8 | 9.1 | 9.5 | 9.7 | 10.1 | 10.5 | 10.9 | 11.1 | 11.5 | 11.9 |
| 132.5° | 10.1 | 10.5 | 10.7 | 11.1 | 11.4 | 11.8 | 12.2 | 12.6 | 12.8 | 13.3 | 13.6 |
| 135° | 11.9 | 12.2 | 12.6 | 12.8 | 13.2 | 13.6 | 14.0 | 14.3 | 14.6 | 15.1 | 15.4 |
| 137.5° | 13.9 | 14.1 | 14.5 | 14.8 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.9 | 17.1 |
| 140° | 15.9 | 16.3 | 16.5 | 16.9 | 17.1 | 17.5 | 17.8 | 18.2 | 18.4 | 18.7 | 19.0 |
| 142.5° | 18.1 | 18.4 | 18.5 | 18.9 | 19.1 | 19.5 | 19.8 | 20.0 | 20.2 | 20.5 | 20.8 |
| 145° | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 | 21.5 | 21.6 | 21.9 | 22.0 | 22.3 | 22.5 |
| 147.5° | 22.4 | 22.6 | 22.7 | 22.9 | 23.1 | 23.2 | 23.4 | 23.6 | 23.7 | 23.9 | 24.1 |
| 150° | 24.4 | 24.5 | 24.6 | 24.8 | 24.9 | 25.0 | 25.1 | 25.2 | 25.3 | 25.5 | 25.6 |
| 152.5° | 26.2 | 26.3 | 26.3 | 26.4 | 26.5 | 26.6 | 26.6 | 26.7 | 26.8 | 26.8 | 27.0 |
| 155° | 27.9 | 27.9 | 27.9 | 28.0 | 28.0 | 28.0 | 28.0 | 28.1 | 28.2 | 28.2 | 28.3 |
| 157.5° | 29.4 | 29.4 | 29.4 | 29.4 | 29.3 | 29.4 | 29.4 | 29.4 | 29.5 | 29.6 | 29.7 |
| 160° | 30.8 | 30.8 | 30.7 | 30.7 | 30.7 | 30.7 | 30.7 | 30.8 | 30.9 | 31.0 | 31.1 |
| 162.5° | 32.3 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.3 | 32.4 | 32.4 | 32.5 | 32.6 |
| 165° | 33.8 | 33.8 | 33.7 | 33.8 | 33.8 | 33.8 | 33.9 | 34.0 | 34.1 | 34.2 | 34.3 |
| 167.5° | 35.5 | 35.5 | 35.5 | 35.6 | 35.6 | 35.6 | 35.7 | 35.8 | 35.9 | 36.0 | 36.1 |
| 170° | 37.2 | 37.3 | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.4 | 37.5 | 37.5 | 37.6 |
| 172.5° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.9 | 38.9 | 38.9 | 38.9 |
| 175° | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
| 177.5° | 41.0 | 40.9 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.7 | 40.7 | 40.7 | 40.7 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9893.3 | 9893.1 | 9892.2 | 9892.7 | 9892.9 | 9893.5 | 9894.4 | 9895.3 | 9895.5 | 9896.1 | 9896.3 |
| 5° | 9967.3 | 9942.9 | 9924.7 | 9904.9 | 9889.9 | 9876.4 | 9867.4 | 9860.3 | 9857.5 | 9858.2 | 9859.9 |
| 7.5° | 10168.1 | 10117.6 | 10075.9 | 10028.5 | 9989.0 | 9947.1 | 9912.4 | 9879.5 | 9855.4 | 9837.5 | 9827.5 |
| 10° | 10388.4 | 10326.8 | 10268.0 | 10199.4 | 10134.3 | 10064.9 | 10002.0 | 9938.7 | 9885.9 | 9840.0 | 9806.4 |
| 12.5° | 10486.2 | 10442.7 | 10391.8 | 10327.0 | 10257.4 | 10177.3 | 10096.4 | 10009.7 | 9929.0 | 9854.2 | 9793.8 |
| 15° | 10382.7 | 10382.8 | 10364.2 | 10333.1 | 10284.8 | 10220.8 | 10143.6 | 10053.2 | 9958.1 | 9861.0 | 9772.3 |
| 17.5° | 10054.1 | 10116.1 | 10150.6 | 10172.4 | 10165.6 | 10142.1 | 10093.0 | 10023.6 | 9934.9 | 9831.4 | 9723.1 |
| 20° | 9489.8 | 9636.0 | 9740.3 | 9834.0 | 9886.6 | 9921.5 | 9918.0 | 9889.7 | 9826.5 | 9738.6 | 9625.8 |
| 22.5° | 8699.3 | 8944.7 | 9138.3 | 9319.0 | 9445.7 | 9548.7 | 9597.7 | 9618.4 | 9589.8 | 9528.6 | 9422.7 |
| 25° | 7739.2 | 8072.8 | 8357.7 | 8634.0 | 8841.3 | 9019.6 | 9126.6 | 9202.0 | 9208.0 | 9176.0 | 9081.6 |
| 27.5° | 6672.3 | 7066.2 | 7426.6 | 7794.0 | 8085.5 | 8341.7 | 8509.7 | 8632.7 | 8671.8 | 8666.6 | 8580.8 |
| 30° | 5606.8 | 6020.3 | 6417.6 | 6845.9 | 7206.7 | 7533.9 | 7755.9 | 7922.3 | 7986.4 | 7998.7 | 7916.2 |
| 32.5° | 4600.5 | 5008.3 | 5404.4 | 5852.3 | 6249.3 | 6624.3 | 6886.6 | 7084.2 | 7158.8 | 7176.3 | 7085.8 |
| 35° | 3687.3 | 4063.4 | 4440.0 | 4874.0 | 5268.7 | 5657.1 | 5933.4 | 6140.3 | 6209.9 | 6221.7 | 6116.9 |
| 37.5° | 2895.3 | 3215.8 | 3543.9 | 3933.3 | 4295.7 | 4660.5 | 4923.2 | 5117.5 | 5168.3 | 5165.1 | 5046.6 |
| 40° | 2228.4 | 2477.6 | 2741.3 | 3061.8 | 3363.3 | 3671.5 | 3893.2 | 4054.0 | 4080.7 | 4060.9 | 3936.4 |
| 42.5° | 1675.7 | 1855.6 | 2046.8 | 2286.0 | 2509.7 | 2740.4 | 2901.7 | 3021.1 | 3024.9 | 2993.7 | 2881.9 |
| 45° | 1248.4 | 1424.0 | 1504.1 | 1648.8 | 1792.9 | 1946.3 | 2044.7 | 2118.5 | 2107.1 | 2079.6 | 1994.6 |
| 47.5° | 951.7 | 1019.1 | 1090.7 | 1180.4 | 1264.4 | 1438.5 | 1425.6 | 1543.9 | 1458.6 | 1516.8 | 1388.9 |
| 50° | 755.7 | 793.4 | 832.0 | 879.7 | 923.4 | 968.9 | 997.4 | 1018.7 | 1015.9 | 1006.8 | 982.2 |
| 52.5° | 643.0 | 654.6 | 673.6 | 700.7 | 725.1 | 749.7 | 765.9 | 779.2 | 779.3 | 775.7 | 763.3 |
| 55° | 537.4 | 552.2 | 565.8 | 583.5 | 613.6 | 618.3 | 641.5 | 636.8 | 638.6 | 632.2 | 638.7 |
| 57.5° | 473.8 | 482.4 | 490.1 | 500.6 | 509.3 | 519.5 | 525.5 | 531.2 | 530.7 | 529.4 | 523.2 |
| 60° | 428.7 | 433.5 | 437.7 | 443.9 | 448.7 | 454.4 | 457.2 | 460.1 | 459.2 | 457.0 | 451.4 |
| 62.5° | 394.0 | 397.0 | 399.4 | 403.3 | 406.3 | 409.8 | 411.3 | 412.5 | 411.3 | 409.2 | 404.3 |
| 65° | 359.7 | 361.7 | 363.2 | 366.2 | 368.2 | 371.3 | 372.5 | 373.7 | 372.5 | 370.9 | 367.2 |
| 67.5° | 328.8 | 329.0 | 328.9 | 330.1 | 330.7 | 332.5 | 333.1 | 333.9 | 332.6 | 331.2 | 328.0 |
| 70° | 305.4 | 304.9 | 304.3 | 304.8 | 304.9 | 305.8 | 305.9 | 305.8 | 304.2 | 301.8 | 298.3 |
| 72.5° | 287.1 | 286.8 | 286.4 | 286.7 | 286.7 | 287.6 | 287.3 | 286.9 | 284.9 | 282.7 | 279.2 |
| 75° | 263.5 | 263.3 | 262.5 | 262.5 | 261.7 | 262.0 | 261.1 | 260.5 | 258.3 | 256.4 | 253.3 |
| 77.5° | 236.0 | 235.5 | 234.2 | 233.7 | 232.3 | 231.7 | 230.0 | 229.0 | 226.9 | 225.3 | 222.7 |
| 80° | 205.1 | 204.7 | 203.1 | 202.1 | 199.9 | 198.5 | 195.9 | 194.4 | 191.8 | 190.3 | 187.7 |
| 82.5° | 169.6 | 169.8 | 168.1 | 167.0 | 163.8 | 161.4 | 157.8 | 156.0 | 153.2 | 151.7 | 149.0 |
| 85° | 120.6 | 118.9 | 119.8 | 119.7 | 117.7 | 115.7 | 112.8 | 110.7 | 108.4 | 107.0 | 105.1 |
| 87.5° | 66.1 | 66.6 | 66.1 | 65.7 | 64.3 | 63.2 | 61.0 | 59.8 | 58.1 | 57.2 | 55.8 |
| 90° | 13.1 | 13.4 | 12.0 | 12.4 | 11.1 | 10.8 | 9.2 | 9.1 | 7.7 | 7.6 | 6.5 |
| 92.5° | 1.5 | 1.5 | 1.6 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 | 1.6 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 100° | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 102.5° | 2.3 | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 |
| 105° | 2.7 | 2.7 | 2.8 | 2.9 | 2.9 | 2.9 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 |
| 107.5° | 3.1 | 3.2 | 3.3 | 3.4 | 3.4 | 3.5 | 3.6 | 3.6 | 3.6 | 3.7 | 3.7 |
| 110° | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.1 | 4.2 | 4.3 | 4.3 | 4.5 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 4.2 | 4.3 | 4.5 | 4.6 | 4.8 | 4.8 | 5.0 | 5.1 | 5.2 | 5.2 | 5.3 |
| 115° | 5.0 | 5.2 | 5.3 | 5.4 | 5.6 | 5.7 | 5.9 | 6.0 | 6.1 | 6.2 | 6.3 |
| 117.5° | 5.8 | 6.0 | 6.2 | 6.4 | 6.6 | 6.7 | 6.9 | 7.0 | 7.2 | 7.4 | 7.5 |
| 120° | 6.8 | 7.0 | 7.2 | 7.5 | 7.7 | 7.9 | 8.1 | 8.2 | 8.4 | 8.6 | 8.8 |
| 122.5° | 8.0 | 8.2 | 8.5 | 8.7 | 9.0 | 9.2 | 9.5 | 9.6 | 9.8 | 10.0 | 10.3 |
| 125° | 9.3 | 9.6 | 9.8 | 10.1 | 10.3 | 10.6 | 10.9 | 11.1 | 11.3 | 11.5 | 11.8 |
| 127.5° | 10.7 | 11.0 | 11.3 | 11.5 | 11.9 | 12.2 | 12.5 | 12.6 | 12.9 | 13.2 | 13.6 |
| 130° | 12.3 | 12.6 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 | 15.0 | 15.3 |
| 132.5° | 13.9 | 14.2 | 14.6 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |
| 135° | 15.7 | 15.9 | 16.3 | 16.6 | 17.0 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.9 |
| 137.5° | 17.5 | 17.7 | 18.1 | 18.4 | 18.6 | 18.9 | 19.3 | 19.6 | 20.0 | 20.2 | 20.7 |
| 140° | 19.3 | 19.6 | 19.8 | 20.0 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 | 22.0 | 22.4 |
| 142.5° | 21.0 | 21.2 | 21.5 | 21.6 | 22.0 | 22.2 | 22.5 | 22.9 | 23.1 | 23.5 | 23.9 |
| 145° | 22.7 | 22.9 | 23.0 | 23.2 | 23.5 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.4 |
| 147.5° | 24.2 | 24.4 | 24.5 | 24.7 | 25.0 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 | 26.8 |
| 150° | 25.8 | 25.9 | 25.9 | 26.1 | 26.3 | 26.6 | 26.8 | 27.1 | 27.4 | 27.7 | 28.0 |
| 152.5° | 27.1 | 27.2 | 27.3 | 27.4 | 27.6 | 27.9 | 28.2 | 28.4 | 28.7 | 28.9 | 29.3 |
| 155° | 28.4 | 28.5 | 28.7 | 28.9 | 29.0 | 29.2 | 29.5 | 29.7 | 30.0 | 30.3 | 30.5 |
| 157.5° | 29.8 | 29.9 | 30.1 | 30.3 | 30.4 | 30.6 | 30.9 | 31.1 | 31.3 | 31.6 | 31.8 |
| 160° | 31.3 | 31.4 | 31.6 | 31.8 | 31.9 | 32.1 | 32.3 | 32.5 | 32.7 | 33.0 | 33.2 |
| 162.5° | 32.8 | 33.0 | 33.2 | 33.3 | 33.4 | 33.6 | 33.8 | 34.0 | 34.2 | 34.4 | 34.7 |
| 165° | 34.5 | 34.6 | 34.8 | 34.8 | 35.0 | 35.2 | 35.4 | 35.5 | 35.8 | 35.9 | 36.1 |
| 167.5° | 36.3 | 36.3 | 36.4 | 36.5 | 36.7 | 36.8 | 37.0 | 37.1 | 37.3 | 37.5 | 37.6 |
| 170° | 37.7 | 37.7 | 37.7 | 37.9 | 38.0 | 38.1 | 38.2 | 38.3 | 38.5 | 38.6 | 38.8 |
| 172.5° | 39.0 | 39.0 | 39.1 | 39.2 | 39.2 | 39.2 | 39.3 | 39.4 | 39.5 | 39.6 | 39.6 |
| 175° | 40.0 | 40.0 | 40.1 | 40.1 | 40.1 | 40.2 | 40.2 | 40.3 | 40.4 | 40.4 | 40.4 |
| 177.5° | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9896.0 | 9895.9 | 9895.6 | 9895.1 | 9894.6 | 9894.9 | 9895.4 | 9896.5 | 9898.5 | 9901.4 | 9905.1 |
| 5° | 9861.2 | 9863.3 | 9864.4 | 9864.6 | 9863.5 | 9862.9 | 9863.8 | 9866.5 | 9872.1 | 9881.2 | 9893.7 |
| 7.5° | 9824.9 | 9827.3 | 9831.1 | 9834.0 | 9834.6 | 9833.9 | 9834.0 | 9838.3 | 9848.4 | 9866.4 | 9891.5 |
| 10° | 9785.9 | 9778.5 | 9782.4 | 9789.5 | 9795.3 | 9796.3 | 9796.9 | 9802.0 | 9816.8 | 9843.9 | 9884.2 |
| 12.5° | 9750.0 | 9726.6 | 9722.1 | 9728.5 | 9737.1 | 9739.9 | 9739.1 | 9741.3 | 9758.6 | 9794.4 | 9850.7 |
| 15° | 9702.7 | 9658.7 | 9643.7 | 9645.3 | 9656.0 | 9659.8 | 9657.0 | 9652.7 | 9669.6 | 9713.4 | 9786.2 |
| 17.5° | 9626.3 | 9555.3 | 9527.6 | 9526.4 | 9538.8 | 9542.2 | 9535.3 | 9522.0 | 9538.7 | 9593.3 | 9683.7 |
| 20° | 9510.0 | 9405.2 | 9353.1 | 9344.8 | 9358.3 | 9354.3 | 9340.8 | 9320.7 | 9342.5 | 9409.0 | 9516.5 |
| 22.5° | 9301.1 | 9168.2 | 9079.2 | 9050.5 | 9066.7 | 9055.9 | 9036.0 | 9010.4 | 9039.4 | 9114.8 | 9234.6 |
| 25° | 8959.6 | 8806.1 | 8684.2 | 8615.8 | 8628.8 | 8609.4 | 8587.7 | 8556.7 | 8591.4 | 8678.0 | 8809.7 |
| 27.5° | 8457.6 | 8280.4 | 8129.3 | 8016.2 | 8020.3 | 7995.0 | 7970.1 | 7930.0 | 7973.2 | 8075.6 | 8224.3 |
| 30° | 7790.2 | 7585.1 | 7401.1 | 7247.3 | 7233.5 | 7209.0 | 7183.4 | 7130.9 | 7184.9 | 7307.6 | 7481.3 |
| 32.5° | 6952.1 | 6724.3 | 6511.7 | 6317.3 | 6280.6 | 6256.7 | 6233.9 | 6173.3 | 6244.1 | 6387.1 | 6586.7 |
| 35° | 5971.8 | 5729.2 | 5498.8 | 5276.7 | 5215.9 | 5191.9 | 5172.0 | 5114.0 | 5202.4 | 5358.1 | 5573.6 |
| 37.5° | 4895.9 | 4648.0 | 4419.3 | 4191.5 | 4105.6 | 4073.1 | 4058.7 | 4020.6 | 4122.6 | 4276.5 | 4493.0 |
| 40° | 3791.3 | 3560.9 | 3355.8 | 3154.6 | 3056.7 | 3006.9 | 2999.4 | 2992.5 | 3091.0 | 3224.6 | 3421.1 |
| 42.5° | 2758.0 | 2572.1 | 2414.0 | 2260.2 | 2171.5 | 2103.6 | 2103.6 | 2124.2 | 2212.9 | 2312.9 | 2464.5 |
| 45° | 1907.8 | 1783.0 | 1682.3 | 1579.6 | 1607.0 | 1471.7 | 1551.2 | 1510.3 | 1554.2 | 1618.7 | 1717.3 |
| 47.5° | 1311.5 | 1243.3 | 1188.0 | 1130.6 | 1088.7 | 1048.7 | 1052.3 | 1078.1 | 1119.4 | 1157.6 | 1208.9 |
| 50° | 955.8 | 921.2 | 893.0 | 863.2 | 842.3 | 824.7 | 825.7 | 836.9 | 858.6 | 878.7 | 905.5 |
| 52.5° | 749.0 | 729.8 | 714.5 | 698.0 | 687.1 | 678.4 | 678.8 | 684.3 | 696.0 | 707.5 | 722.9 |
| 55° | 617.3 | 615.0 | 595.1 | 580.3 | 574.7 | 568.8 | 569.9 | 572.0 | 580.0 | 586.7 | 596.9 |
| 57.5° | 517.3 | 508.4 | 502.4 | 494.6 | 491.0 | 486.9 | 487.8 | 488.7 | 494.0 | 498.5 | 505.8 |
| 60° | 446.7 | 440.3 | 436.1 | 430.8 | 428.5 | 425.8 | 426.5 | 427.0 | 430.3 | 433.3 | 438.6 |
| 62.5° | 399.8 | 394.1 | 390.4 | 386.3 | 384.7 | 382.9 | 383.3 | 383.5 | 385.6 | 387.8 | 391.7 |
| 65° | 363.8 | 359.3 | 356.2 | 352.7 | 351.0 | 349.1 | 349.3 | 349.3 | 351.2 | 352.7 | 355.7 |
| 67.5° | 325.7 | 322.3 | 320.4 | 317.5 | 316.4 | 314.5 | 314.5 | 313.9 | 315.1 | 315.7 | 317.7 |
| 70° | 295.2 | 291.8 | 289.3 | 286.5 | 285.0 | 283.4 | 283.4 | 283.4 | 284.9 | 286.3 | 288.9 |
| 72.5° | 276.3 | 273.1 | 270.8 | 268.5 | 267.1 | 265.7 | 265.4 | 265.3 | 266.2 | 267.0 | 268.7 |
| 75° | 251.3 | 248.7 | 247.4 | 245.2 | 244.1 | 242.5 | 242.2 | 241.5 | 242.0 | 242.1 | 243.5 |
| 77.5° | 221.0 | 218.5 | 217.5 | 215.3 | 214.3 | 212.5 | 212.4 | 211.5 | 211.9 | 211.7 | 212.6 |
| 80° | 186.5 | 184.3 | 183.6 | 181.8 | 181.3 | 179.7 | 179.4 | 178.4 | 178.7 | 178.0 | 178.3 |
| 82.5° | 147.9 | 145.8 | 145.4 | 143.7 | 143.7 | 142.2 | 142.1 | 140.6 | 140.6 | 139.3 | 137.2 |
| 85° | 104.2 | 102.7 | 102.0 | 100.6 | 100.2 | 99.0 | 98.4 | 96.9 | 96.5 | 95.5 | 95.3 |
| 87.5° | 55.0 | 54.0 | 53.2 | 52.5 | 51.3 | 49.1 | 48.9 | 47.4 | 47.6 | 46.5 | 46.6 |
| 90° | 6.5 | 5.5 | 5.5 | 4.6 | 4.6 | 4.0 | 4.1 | 3.8 | 3.7 | 3.6 | 3.5 |
| 92.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.8 | 1.8 |
| 97.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 100° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 |
| 102.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 |
| 105° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 |
| 107.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.8 | 3.8 | 3.8 | 3.8 |
| 110° | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 5.3 | 5.4 | 5.4 | 5.5 | 5.5 | 5.6 | 5.6 | 5.6 | 5.6 | 5.7 | 5.6 |
| 115° | 6.4 | 6.5 | 6.6 | 6.7 | 6.7 | 6.7 | 6.7 | 6.8 | 6.8 | 6.8 | 6.8 |
| 117.5° | 7.6 | 7.7 | 7.9 | 8.0 | 8.1 | 8.1 | 8.1 | 8.2 | 8.2 | 8.2 | 8.2 |
| 120° | 8.9 | 9.1 | 9.3 | 9.4 | 9.6 | 9.6 | 9.7 | 9.7 | 9.7 | 9.7 | 9.7 |
| 122.5° | 10.5 | 10.7 | 10.8 | 11.0 | 11.1 | 11.3 | 11.3 | 11.4 | 11.4 | 11.5 | 11.4 |
| 125° | 12.0 | 12.4 | 12.6 | 12.7 | 12.8 | 13.1 | 13.1 | 13.3 | 13.3 | 13.3 | 13.2 |
| 127.5° | 13.8 | 14.1 | 14.2 | 14.6 | 14.7 | 14.9 | 15.0 | 15.1 | 15.1 | 15.1 | 15.1 |
| 130° | 15.5 | 15.9 | 16.1 | 16.5 | 16.7 | 16.9 | 17.0 | 17.0 | 17.0 | 17.1 | 17.0 |
| 132.5° | 17.4 | 17.8 | 18.1 | 18.4 | 18.5 | 18.8 | 18.9 | 19.0 | 19.0 | 19.0 | 18.9 |
| 135° | 19.3 | 19.6 | 20.0 | 20.2 | 20.5 | 20.7 | 20.8 | 21.0 | 21.0 | 21.0 | 20.9 |
| 137.5° | 21.1 | 21.5 | 21.7 | 22.0 | 22.3 | 22.5 | 22.7 | 22.8 | 22.8 | 22.9 | 22.8 |
| 140° | 22.7 | 23.1 | 23.4 | 23.7 | 24.1 | 24.3 | 24.4 | 24.5 | 24.5 | 24.5 | 24.4 |
| 142.5° | 24.3 | 24.6 | 25.0 | 25.3 | 25.6 | 25.8 | 25.9 | 26.0 | 26.0 | 26.0 | 25.9 |
| 145° | 25.8 | 26.1 | 26.4 | 26.8 | 27.0 | 27.2 | 27.3 | 27.4 | 27.4 | 27.4 | 27.4 |
| 147.5° | 27.1 | 27.4 | 27.7 | 28.0 | 28.2 | 28.5 | 28.6 | 28.7 | 28.7 | 28.7 | 28.7 |
| 150° | 28.4 | 28.7 | 28.9 | 29.2 | 29.4 | 29.6 | 29.7 | 29.8 | 29.9 | 29.9 | 29.9 |
| 152.5° | 29.5 | 29.8 | 30.1 | 30.3 | 30.5 | 30.6 | 30.7 | 30.9 | 31.0 | 31.1 | 31.1 |
| 155° | 30.7 | 31.0 | 31.2 | 31.4 | 31.6 | 31.8 | 31.9 | 32.0 | 32.1 | 32.2 | 32.3 |
| 157.5° | 31.9 | 32.2 | 32.4 | 32.6 | 32.8 | 33.0 | 33.2 | 33.3 | 33.4 | 33.6 | 33.6 |
| 160° | 33.3 | 33.6 | 33.7 | 34.0 | 34.2 | 34.4 | 34.5 | 34.7 | 34.8 | 34.9 | 35.0 |
| 162.5° | 34.8 | 35.0 | 35.1 | 35.4 | 35.5 | 35.7 | 35.9 | 36.1 | 36.3 | 36.3 | 36.4 |
| 165° | 36.3 | 36.4 | 36.6 | 36.8 | 37.0 | 37.2 | 37.3 | 37.5 | 37.6 | 37.7 | 37.8 |
| 167.5° | 37.7 | 37.9 | 38.0 | 38.2 | 38.3 | 38.5 | 38.6 | 38.8 | 38.9 | 39.0 | 39.2 |
| 170° | 38.9 | 39.0 | 39.2 | 39.2 | 39.4 | 39.5 | 39.6 | 39.7 | 39.8 | 40.0 | 40.1 |
| 172.5° | 39.7 | 39.9 | 40.0 | 40.1 | 40.2 | 40.3 | 40.4 | 40.6 | 40.6 | 40.7 | 40.7 |
| 175° | 40.5 | 40.6 | 40.6 | 40.7 | 40.7 | 40.7 | 40.8 | 40.8 | 41.0 | 41.0 | 41.1 |
| 177.5° | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 | 41.2 | 41.2 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9910.4 | 9915.3 | 9922.9 | 9929.9 | 9940.2 | 9948.3 | 9960.6 | 9969.9 | 9983.7 | 9992.7 | 10007.8 |
| 5° | 9911.3 | 9930.7 | 9956.2 | 9981.1 | 10011.0 | 10038.1 | 10071.9 | 10100.6 | 10134.5 | 10162.2 | 10196.9 |
| 7.5° | 9925.3 | 9962.7 | 10007.5 | 10052.7 | 10103.7 | 10151.5 | 10205.3 | 10254.1 | 10307.3 | 10352.4 | 10401.6 |
| 10° | 9935.7 | 9993.3 | 10059.3 | 10125.8 | 10195.8 | 10260.8 | 10326.4 | 10383.0 | 10436.1 | 10479.7 | 10518.2 |
| 12.5° | 9921.6 | 10001.1 | 10085.8 | 10167.7 | 10245.4 | 10312.7 | 10369.2 | 10412.7 | 10442.9 | 10463.3 | 10468.1 |
| 15° | 9873.9 | 9969.6 | 10061.8 | 10143.2 | 10207.8 | 10257.5 | 10283.3 | 10295.4 | 10282.4 | 10260.9 | 10213.7 |
| 17.5° | 9785.0 | 9885.7 | 9968.2 | 10032.4 | 10066.5 | 10080.1 | 10058.8 | 10021.6 | 9949.1 | 9868.5 | 9752.2 |
| 20° | 9621.8 | 9715.7 | 9775.5 | 9810.5 | 9801.4 | 9767.6 | 9687.1 | 9589.1 | 9444.3 | 9289.8 | 9086.1 |
| 22.5° | 9335.5 | 9417.7 | 9449.5 | 9452.0 | 9396.4 | 9311.9 | 9166.5 | 8998.6 | 8770.0 | 8532.4 | 8240.2 |
| 25° | 8905.9 | 8977.8 | 8982.9 | 8954.6 | 8852.6 | 8715.7 | 8502.3 | 8264.6 | 7954.1 | 7637.5 | 7271.3 |
| 27.5° | 8323.1 | 8392.1 | 8375.2 | 8322.5 | 8181.0 | 7997.8 | 7724.6 | 7417.5 | 7034.6 | 6660.7 | 6255.6 |
| 30° | 7590.5 | 7664.3 | 7644.5 | 7576.9 | 7408.6 | 7192.1 | 6870.6 | 6513.8 | 6088.7 | 5689.3 | 5278.8 |
| 32.5° | 6714.0 | 6807.2 | 6793.5 | 6729.2 | 6553.7 | 6321.9 | 5973.0 | 5594.7 | 5159.8 | 4766.2 | 4366.8 |
| 35° | 5717.5 | 5830.7 | 5836.6 | 5794.6 | 5631.6 | 5402.6 | 5058.0 | 4691.9 | 4275.2 | 3903.9 | 3535.0 |
| 37.5° | 4644.0 | 4775.3 | 4802.2 | 4790.9 | 4655.8 | 4453.7 | 4139.8 | 3811.2 | 3442.2 | 3116.7 | 2801.2 |
| 40° | 3564.6 | 3697.5 | 3743.6 | 3757.2 | 3657.6 | 3500.9 | 3243.4 | 2978.2 | 2677.3 | 2413.6 | 2163.0 |
| 42.5° | 2580.2 | 2697.9 | 2742.5 | 2770.5 | 2708.3 | 2603.9 | 2416.0 | 2223.4 | 2003.0 | 1812.8 | 1630.4 |
| 45° | 1791.9 | 1875.3 | 1909.2 | 1937.4 | 1903.5 | 1844.6 | 1725.9 | 1605.5 | 1460.0 | 1335.7 | 1218.0 |
| 47.5° | 1252.8 | 1298.8 | 1321.2 | 1334.9 | 1321.8 | 1291.0 | 1226.4 | 1156.6 | 1074.5 | 1001.9 | 932.0 |
| 50° | 928.7 | 953.1 | 964.8 | 972.7 | 963.1 | 946.1 | 911.1 | 873.1 | 828.1 | 786.9 | 746.7 |
| 52.5° | 735.9 | 749.9 | 756.9 | 761.2 | 755.6 | 745.2 | 724.9 | 702.3 | 675.3 | 649.9 | 636.5 |
| 55° | 620.0 | 619.3 | 635.3 | 627.6 | 635.3 | 617.9 | 614.4 | 589.6 | 567.1 | 551.3 | 534.2 |
| 57.5° | 511.3 | 518.6 | 521.7 | 525.1 | 522.9 | 519.7 | 511.1 | 502.2 | 490.4 | 480.4 | 469.9 |
| 60° | 442.6 | 448.6 | 452.0 | 455.3 | 455.1 | 453.9 | 449.0 | 443.6 | 436.3 | 430.3 | 424.0 |
| 62.5° | 395.3 | 400.4 | 403.8 | 407.1 | 407.4 | 406.9 | 403.1 | 399.4 | 394.4 | 390.6 | 386.2 |
| 65° | 358.0 | 361.7 | 363.9 | 366.5 | 366.4 | 365.7 | 362.3 | 359.2 | 355.1 | 352.5 | 349.2 |
| 67.5° | 319.0 | 321.8 | 323.5 | 326.1 | 326.5 | 326.6 | 324.8 | 323.4 | 321.3 | 320.5 | 319.5 |
| 70° | 291.3 | 294.7 | 297.5 | 300.7 | 302.4 | 303.1 | 302.4 | 301.6 | 300.4 | 299.9 | 299.1 |
| 72.5° | 270.3 | 273.1 | 275.4 | 278.2 | 279.8 | 280.9 | 280.4 | 279.9 | 278.9 | 278.8 | 278.1 |
| 75° | 244.3 | 246.3 | 247.5 | 249.6 | 250.5 | 251.5 | 251.0 | 251.3 | 251.0 | 251.8 | 251.8 |
| 77.5° | 213.0 | 214.4 | 215.0 | 216.6 | 216.7 | 218.0 | 218.3 | 219.8 | 220.9 | 223.2 | 224.4 |
| 80° | 177.7 | 178.6 | 178.6 | 180.2 | 181.0 | 183.1 | 184.2 | 186.6 | 187.7 | 189.9 | 190.1 |
| 82.5° | 138.1 | 137.0 | 138.1 | 137.4 | 139.4 | 141.8 | 142.2 | 144.3 | 144.7 | 146.1 | 145.1 |
| 85° | 94.4 | 94.3 | 93.5 | 93.6 | 93.0 | 93.3 | 92.9 | 93.3 | 92.9 | 93.0 | 92.0 |
| 87.5° | 45.2 | 45.6 | 44.7 | 45.0 | 44.0 | 44.5 | 43.7 | 44.3 | 43.3 | 43.5 | 42.0 |
| 90° | 3.4 | 3.3 | 3.1 | 3.1 | 3.2 | 3.1 | 3.0 | 2.9 | 3.0 | 2.9 | 2.9 |
| 92.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.6 | 1.6 |
| 95° | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 97.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 100° | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 |
| 102.5° | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.7 | 2.7 | 2.7 |
| 105° | 3.2 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.2 |
| 107.5° | 3.8 | 3.8 | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.7 | 3.7 |
| 110° | 4.7 | 4.6 | 4.7 | 4.7 | 4.7 | 4.6 | 4.6 | 4.6 | 4.5 | 4.5 | 4.4 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 5.7 | 5.6 | 5.6 | 5.6 | 5.6 | 5.5 | 5.5 | 5.4 | 5.4 | 5.2 | 5.2 |
| 115° | 6.8 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.6 | 6.5 | 6.4 | 6.2 | 6.2 |
| 117.5° | 8.1 | 8.1 | 8.1 | 8.0 | 7.9 | 7.8 | 7.7 | 7.6 | 7.5 | 7.4 | 7.2 |
| 120° | 9.7 | 9.6 | 9.6 | 9.4 | 9.3 | 9.1 | 9.1 | 8.9 | 8.7 | 8.6 | 8.4 |
| 122.5° | 11.3 | 11.2 | 11.1 | 11.0 | 10.9 | 10.7 | 10.5 | 10.3 | 10.2 | 9.9 | 9.7 |
| 125° | 13.1 | 13.0 | 12.8 | 12.7 | 12.6 | 12.4 | 12.2 | 11.9 | 11.7 | 11.5 | 11.2 |
| 127.5° | 15.0 | 14.8 | 14.7 | 14.5 | 14.3 | 14.1 | 13.9 | 13.6 | 13.4 | 13.1 | 12.8 |
| 130° | 17.0 | 16.8 | 16.7 | 16.3 | 16.2 | 15.8 | 15.6 | 15.4 | 15.1 | 14.9 | 14.6 |
| 132.5° | 18.9 | 18.7 | 18.5 | 18.3 | 18.1 | 17.8 | 17.6 | 17.2 | 17.0 | 16.7 | 16.5 |
| 135° | 20.8 | 20.6 | 20.4 | 20.2 | 20.0 | 19.7 | 19.4 | 19.1 | 18.9 | 18.6 | 18.4 |
| 137.5° | 22.7 | 22.5 | 22.3 | 22.0 | 21.8 | 21.5 | 21.3 | 21.0 | 20.8 | 20.5 | 20.2 |
| 140° | 24.4 | 24.2 | 24.1 | 23.8 | 23.6 | 23.3 | 23.1 | 22.9 | 22.7 | 22.4 | 22.1 |
| 142.5° | 25.9 | 25.8 | 25.6 | 25.4 | 25.2 | 24.9 | 24.7 | 24.5 | 24.4 | 24.1 | 23.9 |
| 145° | 27.3 | 27.2 | 27.1 | 26.8 | 26.7 | 26.5 | 26.3 | 26.1 | 26.0 | 25.8 | 25.7 |
| 147.5° | 28.7 | 28.5 | 28.4 | 28.3 | 28.2 | 28.0 | 27.9 | 27.7 | 27.6 | 27.4 | 27.4 |
| 150° | 29.9 | 29.8 | 29.8 | 29.7 | 29.6 | 29.5 | 29.4 | 29.3 | 29.3 | 29.1 | 29.1 |
| 152.5° | 31.1 | 31.1 | 31.1 | 31.0 | 31.0 | 31.0 | 30.9 | 30.9 | 30.8 | 30.7 | 30.7 |
| 155° | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| 157.5° | 33.7 | 33.8 | 33.9 | 33.9 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 33.9 | 33.9 |
| 160° | 35.1 | 35.2 | 35.3 | 35.4 | 35.4 | 35.4 | 35.5 | 35.4 | 35.5 | 35.4 | 35.4 |
| 162.5° | 36.5 | 36.7 | 36.7 | 36.8 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| 165° | 37.9 | 38.0 | 38.1 | 38.1 | 38.2 | 38.2 | 38.3 | 38.3 | 38.3 | 38.2 | 38.2 |
| 167.5° | 39.2 | 39.2 | 39.3 | 39.4 | 39.5 | 39.5 | 39.6 | 39.5 | 39.5 | 39.5 | 39.5 |
| 170° | 40.2 | 40.2 | 40.3 | 40.4 | 40.4 | 40.4 | 40.5 | 40.5 | 40.6 | 40.5 | 40.5 |
| 172.5° | 40.8 | 40.8 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.1 | 41.1 | 41.1 |
| 175° | 41.1 | 41.2 | 41.2 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| 177.5° | 41.2 | 41.3 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.5 | 41.5 | 41.5 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 10017.1 | 9955.2 | 9947.1 | 9951.4 | 9961.7 | 9965.6 | 9976.7 | 9979.8 | 9991.0 | 9993.7 | 10004.5 |
| 5° | 10223.8 | 10142.0 | 10146.1 | 10165.7 | 10195.5 | 10213.2 | 10242.5 | 10257.8 | 10285.7 | 10298.5 | 10323.7 |
| 7.5° | 10441.8 | 10377.5 | 10397.6 | 10430.7 | 10471.4 | 10499.6 | 10534.7 | 10557.6 | 10587.9 | 10606.7 | 10631.0 |
| 10° | 10548.7 | 10531.1 | 10553.1 | 10579.3 | 10602.5 | 10620.7 | 10635.6 | 10647.5 | 10655.3 | 10662.7 | 10665.8 |
| 12.5° | 10467.3 | 10494.5 | 10498.3 | 10495.7 | 10480.4 | 10468.7 | 10442.2 | 10424.4 | 10392.5 | 10373.1 | 10335.3 |
| 15° | 10165.4 | 10225.3 | 10192.1 | 10141.9 | 10068.5 | 10007.2 | 9920.8 | 9856.4 | 9766.3 | 9705.2 | 9614.8 |
| 17.5° | 9635.6 | 9711.1 | 9624.8 | 9508.6 | 9360.9 | 9234.5 | 9077.1 | 8952.2 | 8795.7 | 8681.9 | 8535.9 |
| 20° | 8889.7 | 8960.4 | 8806.3 | 8613.8 | 8385.2 | 8192.8 | 7966.1 | 7785.1 | 7574.3 | 7417.5 | 7228.3 |
| 22.5° | 7961.1 | 8011.4 | 7794.3 | 7534.8 | 7243.6 | 7003.3 | 6732.1 | 6515.2 | 6274.5 | 6095.4 | 5893.6 |
| 25° | 6933.7 | 6947.3 | 6686.9 | 6387.9 | 6063.3 | 5793.3 | 5503.7 | 5275.6 | 5030.3 | 4848.6 | 4650.7 |
| 27.5° | 5896.7 | 5876.8 | 5595.3 | 5278.4 | 4936.9 | 4656.3 | 4373.9 | 4160.1 | 3945.2 | 3781.6 | 3611.0 |
| 30° | 4918.0 | 4869.8 | 4577.5 | 4251.6 | 3920.3 | 3668.7 | 3434.3 | 3262.7 | 3091.7 | 2961.9 | 2824.9 |
| 32.5° | 4020.4 | 3952.4 | 3668.0 | 3362.7 | 3083.5 | 2889.3 | 2715.4 | 2585.6 | 2447.5 | 2337.8 | 2223.0 |
| 35° | 3225.5 | 3153.0 | 2901.0 | 2642.2 | 2430.9 | 2287.7 | 2151.1 | 2044.6 | 1927.4 | 1834.8 | 1735.1 |
| 37.5° | 2543.2 | 2483.8 | 2272.7 | 2069.0 | 1909.2 | 1798.3 | 1686.4 | 1599.2 | 1502.4 | 1461.6 | 1355.0 |
| 40° | 1963.3 | 1921.8 | 1756.8 | 1606.6 | 1486.6 | 1434.5 | 1320.9 | 1239.5 | 1167.1 | 1107.5 | 1049.6 |
| 42.5° | 1531.4 | 1516.7 | 1356.1 | 1239.0 | 1154.5 | 1088.8 | 1025.5 | 974.1 | 924.1 | 882.9 | 844.1 |
| 45° | 1123.9 | 1112.2 | 1040.9 | 973.3 | 915.7 | 869.8 | 827.0 | 791.7 | 758.9 | 731.9 | 707.2 |
| 47.5° | 875.2 | 871.4 | 830.3 | 788.4 | 752.2 | 722.7 | 694.9 | 671.4 | 649.7 | 631.6 | 625.7 |
| 50° | 711.8 | 711.3 | 687.2 | 661.3 | 635.5 | 618.4 | 600.7 | 586.8 | 572.9 | 562.0 | 550.6 |
| 52.5° | 604.7 | 602.1 | 585.9 | 569.9 | 554.6 | 543.4 | 532.1 | 523.2 | 514.0 | 507.2 | 500.1 |
| 55° | 520.6 | 523.4 | 514.0 | 504.4 | 494.9 | 487.9 | 480.0 | 474.1 | 467.8 | 463.6 | 459.3 |
| 57.5° | 462.2 | 465.8 | 461.0 | 455.5 | 449.7 | 445.1 | 439.6 | 435.6 | 431.4 | 428.6 | 426.2 |
| 60° | 419.7 | 423.7 | 421.7 | 419.0 | 415.3 | 412.6 | 409.2 | 406.9 | 404.2 | 402.7 | 401.3 |
| 62.5° | 383.7 | 388.6 | 387.9 | 386.7 | 384.3 | 382.8 | 380.9 | 379.9 | 378.1 | 377.4 | 376.7 |
| 65° | 347.7 | 353.2 | 353.1 | 352.5 | 351.3 | 350.8 | 349.6 | 349.4 | 348.5 | 348.8 | 348.7 |
| 67.5° | 319.3 | 324.2 | 325.3 | 326.1 | 326.1 | 326.3 | 326.3 | 326.7 | 326.7 | 327.4 | 327.8 |
| 70° | 298.9 | 302.4 | 303.1 | 304.0 | 304.1 | 304.8 | 304.8 | 305.3 | 305.1 | 305.7 | 305.8 |
| 72.5° | 278.3 | 282.8 | 283.5 | 284.2 | 284.2 | 284.9 | 284.5 | 284.4 | 283.5 | 283.4 | 282.7 |
| 75° | 252.6 | 258.3 | 259.6 | 260.4 | 260.5 | 261.1 | 260.3 | 259.7 | 258.3 | 257.7 | 256.7 |
| 77.5° | 225.7 | 231.7 | 232.6 | 232.9 | 232.4 | 232.5 | 230.9 | 229.8 | 227.9 | 227.2 | 226.1 |
| 80° | 190.9 | 199.6 | 200.3 | 199.7 | 198.4 | 198.1 | 196.6 | 195.6 | 193.3 | 192.5 | 191.7 |
| 82.5° | 145.3 | 155.5 | 156.9 | 157.6 | 156.4 | 156.7 | 155.2 | 154.6 | 152.5 | 152.1 | 150.8 |
| 85° | 91.7 | 101.9 | 103.6 | 103.3 | 102.3 | 102.0 | 101.2 | 101.4 | 101.3 | 101.8 | 102.1 |
| 87.5° | 42.2 | 52.0 | 54.4 | 53.7 | 53.6 | 52.8 | 51.2 | 51.9 | 52.8 | 53.4 | 53.5 |
| 90° | 2.9 | 5.8 | 5.7 | 6.0 | 5.4 | 5.6 | 5.1 | 5.4 | 5.0 | 5.3 | 5.0 |
| 92.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 95° | 1.9 | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 100° | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 |
| 102.5° | 2.6 | 2.5 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 |
| 105° | 3.1 | 2.9 | 2.8 | 2.7 | 2.7 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.4 |
| 107.5° | 3.7 | 3.4 | 3.2 | 3.1 | 3.1 | 3.0 | 2.9 | 2.9 | 2.8 | 2.7 | 2.7 |
| 110° | 4.3 | 3.9 | 3.7 | 3.6 | 3.6 | 3.4 | 3.3 | 3.2 | 3.1 | 3.1 | 3.0 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 5.1 | 4.6 | 4.3 | 4.1 | 4.0 | 3.9 | 3.7 | 3.7 | 3.6 | 3.5 | 3.4 |
| 115° | 6.0 | 5.3 | 5.1 | 4.9 | 4.7 | 4.5 | 4.3 | 4.2 | 4.0 | 3.9 | 3.8 |
| 117.5° | 7.0 | 6.3 | 6.0 | 5.7 | 5.5 | 5.2 | 5.1 | 4.9 | 4.7 | 4.5 | 4.4 |
| 120° | 8.2 | 7.4 | 7.0 | 6.7 | 6.5 | 6.2 | 6.0 | 5.7 | 5.5 | 5.2 | 5.1 |
| 122.5° | 9.6 | 8.6 | 8.1 | 7.9 | 7.6 | 7.2 | 7.0 | 6.7 | 6.5 | 6.2 | 6.0 |
| 125° | 11.1 | 9.9 | 9.5 | 9.2 | 8.9 | 8.5 | 8.2 | 7.9 | 7.6 | 7.3 | 7.0 |
| 127.5° | 12.6 | 11.5 | 11.0 | 10.7 | 10.3 | 9.9 | 9.6 | 9.3 | 9.0 | 8.6 | 8.3 |
| 130° | 14.3 | 13.1 | 12.6 | 12.3 | 12.0 | 11.5 | 11.2 | 10.9 | 10.5 | 10.2 | 9.8 |
| 132.5° | 16.2 | 14.9 | 14.4 | 14.1 | 13.8 | 13.4 | 13.0 | 12.6 | 12.4 | 11.9 | 11.6 |
| 135° | 18.1 | 16.8 | 16.2 | 15.8 | 15.6 | 15.3 | 14.9 | 14.5 | 14.2 | 13.9 | 13.6 |
| 137.5° | 20.0 | 18.5 | 18.1 | 17.8 | 17.5 | 17.1 | 17.0 | 16.6 | 16.3 | 15.8 | 15.6 |
| 140° | 21.9 | 20.4 | 20.0 | 19.8 | 19.5 | 19.2 | 18.9 | 18.6 | 18.4 | 18.1 | 17.8 |
| 142.5° | 23.7 | 22.2 | 21.7 | 21.5 | 21.4 | 21.1 | 21.0 | 20.7 | 20.4 | 20.1 | 20.0 |
| 145° | 25.5 | 23.9 | 23.5 | 23.2 | 23.1 | 22.9 | 22.8 | 22.6 | 22.4 | 22.2 | 22.0 |
| 147.5° | 27.3 | 25.6 | 25.1 | 25.0 | 24.9 | 24.7 | 24.6 | 24.4 | 24.4 | 24.2 | 24.1 |
| 150° | 28.9 | 27.1 | 26.5 | 26.4 | 26.3 | 26.2 | 26.2 | 26.1 | 26.0 | 25.9 | 25.9 |
| 152.5° | 30.6 | 28.4 | 27.7 | 27.6 | 27.6 | 27.5 | 27.5 | 27.4 | 27.4 | 27.4 | 27.4 |
| 155° | 32.3 | 29.8 | 29.1 | 29.0 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 |
| 157.5° | 33.8 | 31.2 | 30.5 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 |
| 160° | 35.4 | 32.7 | 31.9 | 31.8 | 31.8 | 31.7 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| 162.5° | 36.8 | 34.2 | 33.4 | 33.3 | 33.3 | 33.2 | 33.2 | 33.0 | 33.0 | 33.0 | 33.0 |
| 165° | 38.1 | 35.8 | 35.1 | 34.9 | 34.8 | 34.8 | 34.7 | 34.7 | 34.6 | 34.6 | 34.6 |
| 167.5° | 39.5 | 37.4 | 36.8 | 36.7 | 36.5 | 36.4 | 36.4 | 36.3 | 36.3 | 36.3 | 36.3 |
| 170° | 40.4 | 38.8 | 38.3 | 38.2 | 38.2 | 38.1 | 38.0 | 38.0 | 37.9 | 37.9 | 37.9 |
| 172.5° | 41.0 | 39.8 | 39.5 | 39.4 | 39.4 | 39.4 | 39.4 | 39.3 | 39.3 | 39.3 | 39.3 |
| 175° | 41.4 | 40.7 | 40.6 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.6 |
| 177.5° | 41.5 | 41.3 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.3 | 41.3 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265° | 267.5° | 270° | 272.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 10006.6 | 10018.2 | 10017.4 | 10028.2 | 10027.7 | 10038.0 | 10035.9 | 10044.8 | 10042.7 | 10050.3 | 10045.8 |
| 5° | 10334.8 | 10357.0 | 10364.3 | 10384.4 | 10388.5 | 10406.4 | 10406.7 | 10421.0 | 10419.3 | 10430.4 | 10424.5 |
| 7.5° | 10645.3 | 10666.0 | 10675.9 | 10691.4 | 10699.2 | 10712.0 | 10717.1 | 10727.7 | 10730.2 | 10736.5 | 10736.3 |
| 10° | 10671.5 | 10671.5 | 10676.2 | 10674.1 | 10678.5 | 10676.0 | 10681.3 | 10679.3 | 10687.2 | 10685.1 | 10691.0 |
| 12.5° | 10318.9 | 10283.9 | 10271.1 | 10239.7 | 10232.8 | 10205.8 | 10207.8 | 10190.5 | 10198.8 | 10188.2 | 10206.3 |
| 15° | 9561.1 | 9480.0 | 9439.9 | 9369.2 | 9347.1 | 9291.3 | 9286.8 | 9249.7 | 9259.7 | 9240.4 | 9268.6 |
| 17.5° | 8441.3 | 8313.5 | 8243.4 | 8140.3 | 8099.4 | 8020.5 | 8004.6 | 7957.0 | 7964.4 | 7940.4 | 7974.6 |
| 20° | 7106.2 | 6951.8 | 6863.4 | 6744.1 | 6691.0 | 6596.9 | 6571.9 | 6518.6 | 6525.3 | 6501.4 | 6540.1 |
| 22.5° | 5755.9 | 5594.2 | 5494.4 | 5369.4 | 5301.6 | 5213.1 | 5186.6 | 5133.0 | 5136.0 | 5113.6 | 5150.8 |
| 25° | 4515.0 | 4360.0 | 4263.1 | 4149.6 | 4090.7 | 4009.6 | 3981.7 | 3933.5 | 3936.2 | 3917.8 | 3951.1 |
| 27.5° | 3492.7 | 3365.5 | 3284.4 | 3189.3 | 3136.5 | 3069.8 | 3042.6 | 3002.2 | 3002.0 | 2988.5 | 3016.4 |
| 30° | 2729.4 | 2623.3 | 2550.4 | 2467.6 | 2417.9 | 2357.8 | 2331.5 | 2295.3 | 2293.7 | 2284.1 | 2306.3 |
| 32.5° | 2137.0 | 2042.6 | 1976.2 | 1903.3 | 1858.8 | 1807.1 | 1782.3 | 1753.1 | 1750.5 | 1741.8 | 1760.0 |
| 35° | 1661.3 | 1581.7 | 1524.7 | 1463.2 | 1467.8 | 1391.7 | 1404.3 | 1345.1 | 1329.1 | 1325.5 | 1339.1 |
| 37.5° | 1283.9 | 1222.4 | 1175.9 | 1130.0 | 1098.9 | 1066.7 | 1049.4 | 1033.8 | 1032.1 | 1030.6 | 1040.0 |
| 40° | 1005.0 | 961.9 | 928.2 | 896.6 | 875.2 | 855.6 | 844.7 | 836.2 | 834.1 | 833.0 | 838.7 |
| 42.5° | 813.3 | 784.3 | 762.6 | 743.3 | 730.3 | 719.6 | 713.7 | 708.9 | 707.3 | 707.4 | 710.8 |
| 45° | 687.2 | 669.6 | 655.5 | 643.6 | 635.3 | 638.9 | 628.2 | 633.8 | 626.4 | 634.1 | 629.0 |
| 47.5° | 605.2 | 590.1 | 581.5 | 573.0 | 568.0 | 563.9 | 564.1 | 564.2 | 565.8 | 566.0 | 567.6 |
| 50° | 541.9 | 533.2 | 527.2 | 521.7 | 519.1 | 517.0 | 517.7 | 518.3 | 519.9 | 520.0 | 521.2 |
| 52.5° | 495.1 | 489.3 | 485.7 | 482.3 | 481.2 | 480.0 | 480.4 | 480.3 | 480.9 | 480.6 | 481.6 |
| 55° | 456.9 | 454.2 | 453.1 | 451.9 | 452.1 | 451.7 | 451.9 | 450.7 | 450.0 | 449.1 | 449.9 |
| 57.5° | 425.6 | 425.3 | 426.0 | 426.6 | 428.0 | 428.5 | 428.8 | 427.4 | 426.1 | 424.9 | 425.6 |
| 60° | 401.6 | 402.1 | 404.0 | 405.6 | 407.7 | 408.6 | 409.2 | 408.4 | 407.5 | 406.4 | 407.0 |
| 62.5° | 377.8 | 378.7 | 381.0 | 382.7 | 385.2 | 386.5 | 387.9 | 388.0 | 388.4 | 388.0 | 388.4 |
| 65° | 350.1 | 351.3 | 353.3 | 354.8 | 357.2 | 358.3 | 359.7 | 360.0 | 360.8 | 360.6 | 361.3 |
| 67.5° | 329.2 | 330.2 | 332.0 | 333.3 | 335.3 | 336.6 | 337.9 | 337.9 | 338.2 | 338.2 | 338.8 |
| 70° | 306.9 | 307.3 | 308.9 | 310.1 | 312.1 | 313.3 | 314.7 | 315.2 | 316.1 | 316.2 | 317.0 |
| 72.5° | 283.0 | 282.8 | 283.6 | 284.2 | 285.7 | 286.7 | 288.6 | 289.6 | 291.1 | 291.5 | 292.1 |
| 75° | 257.0 | 256.8 | 257.9 | 258.3 | 259.7 | 260.6 | 262.7 | 264.1 | 266.5 | 267.4 | 267.1 |
| 77.5° | 227.0 | 227.4 | 229.5 | 230.6 | 232.4 | 233.6 | 236.3 | 238.5 | 242.9 | 244.9 | 242.9 |
| 80° | 193.3 | 193.8 | 196.0 | 197.1 | 199.3 | 200.8 | 203.9 | 206.5 | 210.4 | 211.2 | 210.1 |
| 82.5° | 151.9 | 152.1 | 154.0 | 154.8 | 157.8 | 160.0 | 163.9 | 165.9 | 168.3 | 168.0 | 167.7 |
| 85° | 103.6 | 105.0 | 107.4 | 109.8 | 113.5 | 117.0 | 120.6 | 123.6 | 121.6 | 124.9 | 121.1 |
| 87.5° | 55.4 | 55.3 | 58.5 | 58.0 | 63.1 | 66.1 | 69.2 | 70.7 | 72.5 | 72.1 | 72.1 |
| 90° | 5.4 | 5.1 | 5.5 | 5.1 | 5.8 | 5.2 | 6.2 | 5.8 | 6.9 | 6.3 | 7.5 |
| 92.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 100° | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 102.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 105° | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 107.5° | 2.7 | 2.6 | 2.6 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 110° | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265° | 267.5° | 270° | 272.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 3.3 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 115° | 3.7 | 3.7 | 3.6 | 3.6 | 3.5 | 3.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 117.5° | 4.2 | 4.1 | 4.0 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.7 | 3.8 | 3.8 |
| 120° | 5.0 | 4.8 | 4.6 | 4.6 | 4.5 | 4.5 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 122.5° | 5.7 | 5.5 | 5.4 | 5.3 | 5.2 | 5.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| 125° | 6.7 | 6.6 | 6.4 | 6.3 | 6.1 | 6.0 | 6.0 | 6.0 | 5.9 | 6.0 | 6.0 |
| 127.5° | 8.1 | 7.9 | 7.6 | 7.4 | 7.2 | 7.2 | 7.1 | 7.0 | 7.0 | 7.1 | 7.1 |
| 130° | 9.6 | 9.3 | 9.1 | 8.9 | 8.6 | 8.6 | 8.5 | 8.4 | 8.4 | 8.4 | 8.5 |
| 132.5° | 11.2 | 11.0 | 10.8 | 10.5 | 10.3 | 10.2 | 10.1 | 10.1 | 10.0 | 10.1 | 10.1 |
| 135° | 13.2 | 12.9 | 12.6 | 12.5 | 12.2 | 12.2 | 12.0 | 12.0 | 12.0 | 12.0 | 12.1 |
| 137.5° | 15.3 | 15.1 | 14.8 | 14.6 | 14.3 | 14.2 | 14.1 | 14.1 | 14.1 | 14.1 | 14.2 |
| 140° | 17.5 | 17.2 | 17.0 | 16.8 | 16.7 | 16.5 | 16.4 | 16.4 | 16.3 | 16.5 | 16.5 |
| 142.5° | 19.7 | 19.5 | 19.2 | 19.1 | 18.9 | 18.8 | 18.7 | 18.7 | 18.7 | 18.8 | 18.9 |
| 145° | 21.8 | 21.6 | 21.5 | 21.3 | 21.2 | 21.2 | 21.0 | 21.1 | 21.1 | 21.2 | 21.2 |
| 147.5° | 23.9 | 23.8 | 23.6 | 23.5 | 23.4 | 23.4 | 23.3 | 23.3 | 23.3 | 23.4 | 23.5 |
| 150° | 25.8 | 25.8 | 25.6 | 25.6 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 | 25.6 | 25.6 |
| 152.5° | 27.4 | 27.4 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.4 | 27.4 | 27.4 | 27.5 |
| 155° | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 29.0 | 29.0 | 29.2 | 29.2 | 29.3 | 29.3 |
| 157.5° | 30.3 | 30.3 | 30.3 | 30.5 | 30.5 | 30.6 | 30.6 | 30.8 | 30.8 | 31.0 | 31.1 |
| 160° | 31.7 | 31.8 | 31.8 | 31.9 | 31.9 | 32.0 | 32.1 | 32.3 | 32.4 | 32.5 | 32.6 |
| 162.5° | 33.0 | 33.2 | 33.2 | 33.3 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.9 | 34.0 |
| 165° | 34.6 | 34.6 | 34.7 | 34.7 | 34.8 | 34.8 | 34.9 | 35.0 | 35.1 | 35.3 | 35.4 |
| 167.5° | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.4 | 36.5 | 36.5 | 36.7 | 36.8 |
| 170° | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.9 | 37.9 | 37.9 | 38.0 | 38.1 | 38.1 |
| 172.5° | 39.3 | 39.3 | 39.2 | 39.3 | 39.2 | 39.3 | 39.3 | 39.3 | 39.3 | 39.4 | 39.4 |
| 175° | 40.5 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 |
| 177.5° | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.3 | 41.3 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 275° | 277.5° | 280° | 282.5° | 285° | 287.5° | 290° | 292.5° | 295° | 297.5° | 300° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 10053.2 | 10048.2 | 10053.3 | 10048.2 | 10053.3 | 10047.1 | 10051.4 | 10044.6 | 10046.3 | 10039.3 | 10041.1 |
| 5° | 10433.3 | 10425.4 | 10429.6 | 10419.2 | 10420.3 | 10406.4 | 10406.2 | 10390.0 | 10385.7 | 10367.2 | 10359.2 |
| 7.5° | 10740.8 | 10738.1 | 10739.6 | 10732.9 | 10732.2 | 10722.6 | 10718.1 | 10704.7 | 10696.3 | 10679.3 | 10667.7 |
| 10° | 10692.1 | 10699.9 | 10702.0 | 10710.0 | 10711.6 | 10719.5 | 10721.2 | 10729.1 | 10730.7 | 10736.6 | 10736.7 |
| 12.5° | 10205.4 | 10232.0 | 10238.4 | 10271.3 | 10285.2 | 10322.7 | 10342.9 | 10384.4 | 10408.9 | 10450.3 | 10475.7 |
| 15° | 9267.9 | 9314.0 | 9332.3 | 9396.5 | 9432.0 | 9506.9 | 9554.0 | 9640.0 | 9700.7 | 9792.1 | 9857.3 |
| 17.5° | 7977.6 | 8041.9 | 8071.0 | 8158.0 | 8214.7 | 8325.4 | 8405.0 | 8536.2 | 8636.6 | 8782.4 | 8898.0 |
| 20° | 6546.8 | 6618.2 | 6657.7 | 6756.9 | 6823.9 | 6953.1 | 7052.6 | 7213.8 | 7348.2 | 7533.0 | 7690.9 |
| 22.5° | 5162.5 | 5230.5 | 5274.2 | 5375.2 | 5450.7 | 5585.4 | 5696.7 | 5866.8 | 6017.4 | 6225.6 | 6415.0 |
| 25° | 3963.8 | 4026.2 | 4065.7 | 4157.0 | 4227.9 | 4351.8 | 4457.9 | 4621.5 | 4769.0 | 4977.8 | 5171.9 |
| 27.5° | 3030.3 | 3082.5 | 3120.6 | 3198.5 | 3261.0 | 3366.0 | 3457.2 | 3592.5 | 3719.5 | 3900.1 | 4073.1 |
| 30° | 2319.9 | 2366.2 | 2403.3 | 2471.1 | 2529.1 | 2620.2 | 2700.3 | 2814.0 | 2919.1 | 3062.8 | 3200.4 |
| 32.5° | 1772.8 | 1812.6 | 1845.7 | 1905.1 | 1957.6 | 2039.6 | 2111.9 | 2211.5 | 2301.7 | 2423.5 | 2536.8 |
| 35° | 1351.7 | 1430.1 | 1424.5 | 1506.5 | 1519.6 | 1578.4 | 1643.0 | 1730.0 | 1809.9 | 1913.6 | 2009.9 |
| 37.5° | 1049.1 | 1071.2 | 1094.8 | 1131.0 | 1169.1 | 1222.6 | 1277.1 | 1383.4 | 1422.5 | 1500.8 | 1580.5 |
| 40° | 846.0 | 860.9 | 876.6 | 901.0 | 927.6 | 965.4 | 1005.0 | 1055.8 | 1107.8 | 1171.3 | 1236.2 |
| 42.5° | 715.3 | 723.7 | 733.6 | 748.0 | 764.4 | 788.3 | 814.8 | 849.2 | 885.5 | 930.2 | 975.8 |
| 45° | 639.0 | 635.0 | 638.0 | 645.7 | 655.6 | 670.1 | 686.9 | 708.2 | 731.8 | 760.7 | 791.5 |
| 47.5° | 568.0 | 569.6 | 570.5 | 574.7 | 580.0 | 589.8 | 599.9 | 614.4 | 642.3 | 650.7 | 667.6 |
| 50° | 521.1 | 521.8 | 521.6 | 523.7 | 526.4 | 532.7 | 539.3 | 549.1 | 558.8 | 571.9 | 584.2 |
| 52.5° | 481.7 | 482.8 | 482.7 | 484.1 | 485.5 | 489.5 | 493.6 | 500.6 | 507.0 | 515.3 | 522.3 |
| 55° | 450.7 | 452.1 | 452.8 | 453.9 | 454.7 | 456.7 | 458.4 | 461.7 | 464.4 | 469.1 | 473.4 |
| 57.5° | 426.8 | 428.8 | 429.8 | 430.2 | 429.4 | 429.3 | 428.7 | 429.4 | 429.9 | 432.5 | 434.9 |
| 60° | 407.9 | 409.6 | 409.9 | 409.6 | 408.1 | 407.0 | 405.2 | 404.7 | 404.4 | 405.6 | 406.9 |
| 62.5° | 388.3 | 388.9 | 388.5 | 388.0 | 386.2 | 385.2 | 383.3 | 382.6 | 382.0 | 382.9 | 383.6 |
| 65° | 361.1 | 361.6 | 361.1 | 360.7 | 359.2 | 358.3 | 356.8 | 356.2 | 355.4 | 355.6 | 355.5 |
| 67.5° | 338.9 | 339.5 | 339.1 | 338.6 | 337.6 | 337.0 | 335.9 | 335.2 | 334.1 | 333.7 | 332.9 |
| 70° | 316.9 | 317.3 | 316.7 | 316.2 | 315.0 | 314.5 | 313.5 | 313.2 | 312.4 | 312.2 | 311.4 |
| 72.5° | 291.5 | 291.6 | 290.7 | 290.5 | 289.5 | 289.4 | 289.1 | 289.4 | 289.4 | 289.8 | 289.6 |
| 75° | 265.7 | 265.3 | 264.2 | 264.0 | 263.2 | 263.6 | 263.1 | 263.8 | 263.8 | 264.7 | 264.9 |
| 77.5° | 239.6 | 238.3 | 236.1 | 235.2 | 233.8 | 233.6 | 232.8 | 233.3 | 233.1 | 234.3 | 234.7 |
| 80° | 206.8 | 205.1 | 202.4 | 201.2 | 199.5 | 199.2 | 198.5 | 199.2 | 198.9 | 200.2 | 201.1 |
| 82.5° | 165.1 | 163.6 | 160.9 | 159.9 | 157.9 | 158.1 | 157.3 | 158.1 | 158.0 | 159.9 | 161.0 |
| 85° | 122.1 | 121.2 | 118.3 | 115.8 | 113.0 | 111.3 | 109.7 | 109.4 | 108.8 | 109.7 | 110.3 |
| 87.5° | 70.5 | 69.7 | 67.4 | 65.9 | 61.0 | 61.2 | 59.2 | 59.1 | 58.6 | 58.2 | 59.2 |
| 90° | 6.7 | 7.7 | 7.1 | 8.0 | 7.5 | 8.5 | 8.1 | 9.1 | 8.4 | 9.3 | 8.8 |
| 92.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 | 1.6 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 100° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 |
| 102.5° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 105° | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.5 |
| 107.5° | 2.5 | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.8 | 2.8 |
| 110° | 2.8 | 2.8 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 | 3.1 | 3.1 | 3.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 275° | 277.5° | 280° | 282.5° | 285° | 287.5° | 290° | 292.5° | 295° | 297.5° | 300° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.3 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 |
| 115° | 3.5 | 3.5 | 3.5 | 3.6 | 3.6 | 3.7 | 3.7 | 3.8 | 4.0 | 4.1 | 4.3 |
| 117.5° | 3.8 | 3.9 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.5 | 4.6 | 4.8 | 5.0 |
| 120° | 4.5 | 4.5 | 4.6 | 4.6 | 4.8 | 4.9 | 5.1 | 5.2 | 5.4 | 5.6 | 5.9 |
| 122.5° | 5.2 | 5.2 | 5.3 | 5.4 | 5.5 | 5.7 | 6.0 | 6.2 | 6.5 | 6.7 | 7.0 |
| 125° | 6.0 | 6.2 | 6.3 | 6.4 | 6.7 | 6.8 | 7.1 | 7.4 | 7.7 | 7.9 | 8.2 |
| 127.5° | 7.2 | 7.3 | 7.5 | 7.7 | 7.9 | 8.1 | 8.4 | 8.7 | 9.1 | 9.4 | 9.7 |
| 130° | 8.6 | 8.7 | 9.0 | 9.1 | 9.5 | 9.7 | 10.0 | 10.3 | 10.7 | 11.0 | 11.4 |
| 132.5° | 10.3 | 10.5 | 10.7 | 10.9 | 11.1 | 11.5 | 11.8 | 12.2 | 12.6 | 12.8 | 13.2 |
| 135° | 12.2 | 12.4 | 12.6 | 12.8 | 13.2 | 13.4 | 13.8 | 14.1 | 14.5 | 14.8 | 15.2 |
| 137.5° | 14.4 | 14.5 | 14.8 | 15.0 | 15.3 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |
| 140° | 16.7 | 16.8 | 17.0 | 17.2 | 17.5 | 17.8 | 18.2 | 18.4 | 18.7 | 19.0 | 19.3 |
| 142.5° | 19.0 | 19.1 | 19.4 | 19.6 | 19.9 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 | 21.5 |
| 145° | 21.4 | 21.5 | 21.6 | 21.8 | 22.0 | 22.3 | 22.5 | 22.8 | 23.0 | 23.1 | 23.4 |
| 147.5° | 23.6 | 23.7 | 23.9 | 24.1 | 24.4 | 24.5 | 24.7 | 24.9 | 25.1 | 25.3 | 25.6 |
| 150° | 25.8 | 25.9 | 26.0 | 26.1 | 26.3 | 26.5 | 26.8 | 26.9 | 27.1 | 27.3 | 27.4 |
| 152.5° | 27.7 | 27.8 | 27.9 | 28.0 | 28.2 | 28.4 | 28.5 | 28.7 | 28.9 | 29.0 | 29.2 |
| 155° | 29.5 | 29.6 | 29.8 | 29.9 | 30.1 | 30.2 | 30.3 | 30.4 | 30.6 | 30.7 | 30.9 |
| 157.5° | 31.2 | 31.3 | 31.5 | 31.6 | 31.8 | 31.8 | 31.9 | 32.1 | 32.3 | 32.4 | 32.5 |
| 160° | 32.7 | 32.9 | 33.0 | 33.2 | 33.3 | 33.3 | 33.5 | 33.6 | 33.8 | 33.9 | 34.1 |
| 162.5° | 34.2 | 34.3 | 34.5 | 34.6 | 34.7 | 34.8 | 34.9 | 35.1 | 35.3 | 35.4 | 35.5 |
| 165° | 35.5 | 35.7 | 35.9 | 35.9 | 36.1 | 36.3 | 36.3 | 36.5 | 36.6 | 36.7 | 36.9 |
| 167.5° | 36.9 | 37.0 | 37.2 | 37.3 | 37.5 | 37.6 | 37.7 | 37.8 | 37.9 | 38.0 | 38.2 |
| 170° | 38.3 | 38.4 | 38.5 | 38.6 | 38.7 | 38.8 | 39.0 | 39.0 | 39.2 | 39.2 | 39.3 |
| 172.5° | 39.5 | 39.5 | 39.6 | 39.6 | 39.7 | 39.8 | 39.9 | 40.0 | 40.1 | 40.2 | 40.2 |
| 175° | 40.6 | 40.6 | 40.6 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.8 | 40.8 | 40.8 |
| 177.5° | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 302.5° | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° | 320° | 322.5° | 325° | 327.5° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 10034.0 | 10034.5 | 10026.4 | 10026.0 | 10018.4 | 10017.4 | 10010.0 | 10007.8 | 10001.8 | 9999.6 | 9993.5 |
| 5° | 10338.5 | 10328.6 | 10305.9 | 10292.5 | 10269.9 | 10255.0 | 10230.6 | 10214.7 | 10191.2 | 10173.5 | 10149.8 |
| 7.5° | 10646.4 | 10631.1 | 10605.5 | 10584.7 | 10553.5 | 10528.6 | 10492.1 | 10462.1 | 10422.5 | 10388.2 | 10346.6 |
| 10° | 10736.7 | 10734.3 | 10727.8 | 10718.3 | 10703.8 | 10687.5 | 10662.6 | 10636.6 | 10602.0 | 10564.2 | 10518.0 |
| 12.5° | 10514.5 | 10538.4 | 10571.2 | 10590.6 | 10614.1 | 10624.5 | 10634.2 | 10631.7 | 10625.4 | 10606.4 | 10579.7 |
| 15° | 9951.7 | 10019.0 | 10108.3 | 10177.5 | 10257.1 | 10314.9 | 10378.8 | 10418.6 | 10458.4 | 10476.7 | 10488.0 |
| 17.5° | 9056.3 | 9184.0 | 9344.0 | 9476.7 | 9629.7 | 9752.7 | 9887.4 | 9988.9 | 10093.2 | 10168.0 | 10235.5 |
| 20° | 7906.3 | 8091.2 | 8317.6 | 8517.6 | 8750.2 | 8952.2 | 9173.8 | 9355.6 | 9543.0 | 9689.6 | 9828.4 |
| 22.5° | 6658.9 | 6878.5 | 7152.2 | 7405.7 | 7705.6 | 7975.0 | 8279.0 | 8543.5 | 8819.8 | 9050.6 | 9273.7 |
| 25° | 5432.3 | 5673.1 | 5972.4 | 6255.2 | 6594.8 | 6908.2 | 7268.8 | 7598.5 | 7955.6 | 8265.5 | 8571.7 |
| 27.5° | 4312.1 | 4548.7 | 4854.2 | 5155.3 | 5514.3 | 5848.2 | 6234.5 | 6597.9 | 7004.4 | 7379.3 | 7762.8 |
| 30° | 3391.5 | 3592.1 | 3866.1 | 4157.8 | 4511.8 | 4851.7 | 5242.2 | 5615.8 | 6038.7 | 6448.0 | 6880.0 |
| 32.5° | 2687.0 | 2839.8 | 3055.3 | 3301.8 | 3628.5 | 3952.1 | 4323.8 | 4684.6 | 5101.0 | 5514.5 | 5963.8 |
| 35° | 2134.0 | 2253.2 | 2417.4 | 2609.9 | 2886.6 | 3165.4 | 3494.3 | 3822.2 | 4210.8 | 4603.2 | 5039.9 |
| 37.5° | 1682.8 | 1779.5 | 1908.1 | 2052.7 | 2274.6 | 2503.4 | 2773.1 | 3045.1 | 3382.6 | 3730.4 | 4126.2 |
| 40° | 1314.0 | 1392.3 | 1492.5 | 1600.3 | 1767.9 | 1944.2 | 2152.7 | 2363.6 | 2634.9 | 2919.2 | 3246.6 |
| 42.5° | 1032.3 | 1090.0 | 1160.8 | 1239.5 | 1395.9 | 1489.6 | 1631.0 | 1783.5 | 1982.9 | 2189.3 | 2435.5 |
| 45° | 829.0 | 868.4 | 917.5 | 970.3 | 1042.9 | 1122.3 | 1219.1 | 1320.8 | 1510.2 | 1603.1 | 1752.9 |
| 47.5° | 692.3 | 718.7 | 750.0 | 783.3 | 826.1 | 872.3 | 929.7 | 988.4 | 1064.4 | 1143.1 | 1235.3 |
| 50° | 600.2 | 627.1 | 637.9 | 655.1 | 679.9 | 706.3 | 738.7 | 771.0 | 811.8 | 853.1 | 900.6 |
| 52.5° | 532.0 | 540.7 | 552.4 | 563.3 | 578.6 | 608.7 | 618.4 | 635.3 | 658.1 | 680.5 | 705.4 |
| 55° | 479.7 | 485.4 | 493.0 | 499.6 | 508.9 | 517.8 | 530.6 | 541.9 | 557.1 | 570.5 | 587.1 |
| 57.5° | 439.1 | 442.8 | 448.0 | 452.3 | 458.3 | 463.4 | 470.9 | 477.0 | 485.8 | 493.4 | 503.4 |
| 60° | 409.6 | 412.1 | 415.5 | 418.4 | 422.2 | 424.8 | 428.5 | 431.4 | 436.0 | 439.9 | 445.5 |
| 62.5° | 385.5 | 386.8 | 389.1 | 390.7 | 393.1 | 394.4 | 396.4 | 397.7 | 400.3 | 402.2 | 405.3 |
| 65° | 356.6 | 356.9 | 358.4 | 359.1 | 361.0 | 361.8 | 363.3 | 363.9 | 366.1 | 367.5 | 370.2 |
| 67.5° | 332.9 | 332.3 | 332.3 | 331.7 | 332.0 | 331.4 | 331.6 | 330.9 | 331.8 | 332.3 | 334.3 |
| 70° | 311.3 | 310.3 | 310.1 | 309.0 | 308.7 | 307.7 | 307.4 | 306.5 | 306.4 | 306.1 | 306.9 |
| 72.5° | 290.2 | 289.9 | 290.0 | 289.3 | 289.2 | 288.5 | 288.5 | 288.1 | 288.6 | 288.8 | 289.7 |
| 75° | 265.9 | 265.9 | 266.5 | 265.8 | 266.0 | 265.5 | 265.7 | 265.1 | 265.4 | 265.3 | 266.2 |
| 77.5° | 236.4 | 237.1 | 238.4 | 238.1 | 238.5 | 237.8 | 238.1 | 237.4 | 237.6 | 237.1 | 237.5 |
| 80° | 203.2 | 204.7 | 206.4 | 206.4 | 207.1 | 206.5 | 207.2 | 206.5 | 206.8 | 205.9 | 205.7 |
| 82.5° | 163.8 | 165.0 | 166.9 | 166.9 | 168.6 | 168.9 | 170.7 | 170.6 | 171.7 | 171.0 | 170.5 |
| 85° | 111.9 | 112.8 | 114.5 | 115.3 | 117.0 | 118.0 | 119.7 | 120.5 | 119.1 | 121.5 | 119.7 |
| 87.5° | 58.5 | 60.6 | 59.4 | 62.3 | 61.6 | 64.4 | 63.9 | 66.5 | 65.9 | 68.3 | 68.0 |
| 90° | 10.0 | 9.7 | 11.0 | 10.8 | 12.5 | 12.6 | 14.2 | 14.1 | 15.8 | 15.7 | 17.4 |
| 92.5° | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 |
| 100° | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 102.5° | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.5 | 2.5 |
| 105° | 2.5 | 2.6 | 2.6 | 2.7 | 2.7 | 2.8 | 2.9 | 2.9 | 2.9 | 3.0 | 3.0 |
| 107.5° | 2.9 | 2.9 | 3.1 | 3.1 | 3.2 | 3.3 | 3.4 | 3.4 | 3.5 | 3.6 | 3.6 |
| 110° | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.1 | 4.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 302.5° | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° | 320° | 322.5° | 325° | 327.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 3.7 | 3.9 | 4.0 | 4.2 | 4.3 | 4.5 | 4.6 | 4.8 | 4.8 | 5.0 | 5.1 |
| 115° | 4.5 | 4.6 | 4.8 | 5.0 | 5.2 | 5.3 | 5.4 | 5.6 | 5.7 | 5.9 | 6.0 |
| 117.5° | 5.2 | 5.4 | 5.6 | 5.9 | 6.0 | 6.3 | 6.5 | 6.7 | 6.7 | 6.9 | 7.0 |
| 120° | 6.2 | 6.4 | 6.7 | 6.9 | 7.1 | 7.4 | 7.6 | 7.8 | 8.0 | 8.1 | 8.2 |
| 122.5° | 7.2 | 7.6 | 7.9 | 8.1 | 8.3 | 8.6 | 8.8 | 9.1 | 9.3 | 9.5 | 9.6 |
| 125° | 8.6 | 8.9 | 9.2 | 9.5 | 9.7 | 10.0 | 10.3 | 10.5 | 10.8 | 11.0 | 11.1 |
| 127.5° | 10.0 | 10.4 | 10.7 | 11.1 | 11.3 | 11.6 | 11.8 | 12.2 | 12.4 | 12.6 | 12.8 |
| 130° | 11.7 | 12.1 | 12.4 | 12.7 | 12.9 | 13.3 | 13.6 | 13.9 | 14.1 | 14.3 | 14.6 |
| 132.5° | 13.6 | 13.9 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.6 | 15.8 | 16.2 | 16.5 |
| 135° | 15.5 | 15.8 | 16.1 | 16.5 | 16.7 | 17.0 | 17.2 | 17.5 | 17.7 | 18.1 | 18.4 |
| 137.5° | 17.5 | 17.9 | 18.1 | 18.4 | 18.6 | 18.9 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 |
| 140° | 19.6 | 19.9 | 20.0 | 20.4 | 20.6 | 20.9 | 21.1 | 21.4 | 21.5 | 21.8 | 22.0 |
| 142.5° | 21.6 | 21.9 | 22.1 | 22.4 | 22.6 | 22.9 | 23.0 | 23.2 | 23.4 | 23.7 | 23.9 |
| 145° | 23.7 | 23.9 | 24.1 | 24.4 | 24.4 | 24.7 | 24.8 | 25.1 | 25.2 | 25.4 | 25.6 |
| 147.5° | 25.8 | 25.9 | 26.0 | 26.2 | 26.3 | 26.6 | 26.7 | 26.8 | 27.0 | 27.1 | 27.2 |
| 150° | 27.5 | 27.8 | 27.9 | 28.0 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.9 |
| 152.5° | 29.3 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 30.0 | 30.1 | 30.2 | 30.2 | 30.3 |
| 155° | 31.0 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.6 | 31.7 | 31.8 | 31.8 | 31.8 |
| 157.5° | 32.6 | 32.8 | 32.9 | 33.0 | 33.1 | 33.2 | 33.2 | 33.3 | 33.3 | 33.3 | 33.3 |
| 160° | 34.2 | 34.3 | 34.4 | 34.5 | 34.6 | 34.7 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 |
| 162.5° | 35.6 | 35.8 | 35.9 | 35.9 | 36.1 | 36.1 | 36.2 | 36.3 | 36.3 | 36.3 | 36.3 |
| 165° | 37.0 | 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.5 | 37.6 | 37.6 | 37.7 | 37.7 |
| 167.5° | 38.3 | 38.4 | 38.5 | 38.6 | 38.6 | 38.7 | 38.8 | 38.9 | 38.9 | 38.9 | 38.9 |
| 170° | 39.4 | 39.5 | 39.6 | 39.6 | 39.7 | 39.7 | 39.8 | 39.8 | 39.8 | 39.9 | 39.9 |
| 172.5° | 40.3 | 40.4 | 40.4 | 40.5 | 40.5 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 |
| 175° | 40.8 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| 177.5° | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.2 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 330° | 332.5° | 335° | 337.5° | 340° | 342.5° | 345° | 347.5° | 350° | 352.5° | 355° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 | 9928.9 |
| 2.5° | 9991.3 | 9987.0 | 9984.2 | 9980.6 | 9978.5 | 9975.7 | 9973.7 | 9971.9 | 9970.5 | 9969.2 | 9968.3 |
| 5° | 10131.8 | 10109.5 | 10092.2 | 10073.4 | 10058.0 | 10042.5 | 10030.7 | 10020.9 | 10014.2 | 10009.0 | 10006.0 |
| 7.5° | 10310.7 | 10269.8 | 10233.5 | 10195.1 | 10160.9 | 10127.1 | 10098.1 | 10073.0 | 10054.2 | 10042.0 | 10034.7 |
| 10° | 10470.4 | 10415.7 | 10361.6 | 10304.6 | 10250.6 | 10198.2 | 10149.8 | 10107.3 | 10073.6 | 10051.3 | 10038.2 |
| 12.5° | 10542.0 | 10495.4 | 10440.2 | 10378.3 | 10312.1 | 10245.2 | 10179.9 | 10121.0 | 10071.6 | 10038.4 | 10019.2 |
| 15° | 10479.0 | 10459.9 | 10422.3 | 10374.3 | 10311.5 | 10242.3 | 10165.6 | 10093.5 | 10027.3 | 9984.3 | 9959.4 |
| 17.5° | 10273.8 | 10300.5 | 10297.7 | 10279.3 | 10234.1 | 10175.8 | 10097.7 | 10016.8 | 9933.9 | 9876.5 | 9845.1 |
| 20° | 9927.6 | 10011.6 | 10054.2 | 10076.1 | 10058.3 | 10020.5 | 9949.8 | 9867.7 | 9771.1 | 9696.1 | 9650.3 |
| 22.5° | 9441.1 | 9589.4 | 9681.8 | 9749.4 | 9763.7 | 9750.9 | 9688.4 | 9610.3 | 9502.5 | 9412.4 | 9344.8 |
| 25° | 8814.8 | 9032.0 | 9178.1 | 9292.5 | 9337.0 | 9348.4 | 9295.3 | 9217.7 | 9097.6 | 8992.6 | 8899.7 |
| 27.5° | 8077.1 | 8359.4 | 8554.3 | 8708.1 | 8777.6 | 8807.7 | 8758.8 | 8679.5 | 8537.4 | 8412.1 | 8290.8 |
| 30° | 7246.7 | 7581.5 | 7816.3 | 8000.7 | 8085.3 | 8125.1 | 8073.1 | 7984.7 | 7819.4 | 7668.5 | 7515.7 |
| 32.5° | 6357.7 | 6724.2 | 6980.0 | 7180.2 | 7264.1 | 7301.6 | 7233.5 | 7134.3 | 6943.2 | 6765.5 | 6587.2 |
| 35° | 5427.1 | 5796.9 | 6054.9 | 6249.9 | 6320.2 | 6342.7 | 6255.8 | 6141.0 | 5929.3 | 5734.3 | 5539.9 |
| 37.5° | 4477.5 | 4821.6 | 5056.1 | 5231.0 | 5274.5 | 5278.4 | 5173.6 | 5046.8 | 4824.3 | 4632.0 | 4438.6 |
| 40° | 3536.1 | 3826.3 | 4015.6 | 4155.6 | 4170.7 | 4157.2 | 4043.4 | 3915.7 | 3707.6 | 3535.3 | 3365.5 |
| 42.5° | 2649.3 | 2868.4 | 3003.5 | 3099.4 | 3093.7 | 3067.1 | 2962.7 | 2852.9 | 2681.2 | 2550.0 | 2416.4 |
| 45° | 1889.6 | 2034.1 | 2113.0 | 2169.2 | 2151.2 | 2125.8 | 2044.6 | 1967.7 | 1850.9 | 1766.2 | 1676.4 |
| 47.5° | 1312.8 | 1485.2 | 1455.2 | 1565.1 | 1470.4 | 1532.9 | 1402.8 | 1331.1 | 1269.1 | 1224.1 | 1173.3 |
| 50° | 939.8 | 979.3 | 998.4 | 1011.5 | 1004.5 | 995.0 | 971.6 | 950.7 | 922.4 | 901.8 | 877.7 |
| 52.5° | 725.8 | 745.5 | 756.4 | 764.3 | 762.7 | 759.2 | 749.0 | 739.7 | 726.4 | 717.7 | 707.2 |
| 55° | 614.8 | 615.0 | 635.0 | 626.5 | 639.0 | 624.3 | 630.1 | 613.7 | 616.4 | 602.3 | 592.8 |
| 57.5° | 510.9 | 518.9 | 522.6 | 526.1 | 525.1 | 524.6 | 520.6 | 518.6 | 514.2 | 512.8 | 509.6 |
| 60° | 449.3 | 453.6 | 454.5 | 456.1 | 454.8 | 454.2 | 451.1 | 450.0 | 447.1 | 446.5 | 444.4 |
| 62.5° | 407.2 | 409.3 | 409.3 | 409.3 | 407.7 | 405.9 | 402.5 | 400.7 | 398.2 | 397.6 | 396.4 |
| 65° | 372.1 | 374.3 | 374.7 | 375.2 | 373.8 | 372.5 | 369.5 | 367.6 | 364.9 | 363.9 | 362.5 |
| 67.5° | 335.7 | 338.1 | 338.9 | 340.1 | 339.4 | 339.1 | 337.0 | 336.3 | 334.6 | 334.1 | 332.9 |
| 70° | 307.1 | 308.2 | 308.1 | 308.1 | 306.5 | 305.0 | 302.7 | 301.5 | 299.7 | 299.3 | 298.2 |
| 72.5° | 290.2 | 290.9 | 290.5 | 289.8 | 287.8 | 285.6 | 282.8 | 280.7 | 278.4 | 277.0 | 275.3 |
| 75° | 266.3 | 267.2 | 266.7 | 266.3 | 264.4 | 263.0 | 260.8 | 259.7 | 258.0 | 257.5 | 256.4 |
| 77.5° | 237.0 | 237.5 | 236.5 | 236.4 | 234.9 | 234.1 | 232.4 | 232.1 | 230.9 | 230.9 | 229.8 |
| 80° | 204.4 | 204.1 | 202.6 | 202.2 | 200.8 | 200.5 | 199.1 | 199.2 | 198.3 | 198.7 | 197.9 |
| 82.5° | 168.1 | 167.2 | 165.2 | 164.7 | 163.0 | 162.8 | 162.0 | 162.7 | 162.1 | 163.0 | 162.4 |
| 85° | 120.6 | 120.7 | 119.9 | 119.9 | 119.4 | 119.5 | 119.5 | 120.0 | 120.1 | 120.9 | 120.8 |
| 87.5° | 67.2 | 68.2 | 68.0 | 68.8 | 68.8 | 69.8 | 70.2 | 71.6 | 71.8 | 73.2 | 73.2 |
| 90° | 17.3 | 19.2 | 19.1 | 21.0 | 21.0 | 22.8 | 23.1 | 24.9 | 25.0 | 26.6 | 26.4 |
| 92.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 | 1.7 | 1.5 | 1.6 | 1.5 | 1.5 |
| 95° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 97.5° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 100° | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 102.5° | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 |
| 105° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 107.5° | 3.6 | 3.6 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 110° | 4.3 | 4.3 | 4.4 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 330° | 332.5° | 335° | 337.5° | 340° | 342.5° | 345° | 347.5° | 350° | 352.5° | 355° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 5.2 | 5.2 | 5.2 | 5.2 | 5.3 | 5.3 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 115° | 6.1 | 6.2 | 6.3 | 6.3 | 6.4 | 6.5 | 6.6 | 6.6 | 6.6 | 6.6 | 6.6 |
| 117.5° | 7.2 | 7.3 | 7.4 | 7.6 | 7.6 | 7.7 | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 |
| 120° | 8.4 | 8.6 | 8.7 | 8.9 | 9.0 | 9.1 | 9.3 | 9.3 | 9.4 | 9.4 | 9.4 |
| 122.5° | 9.8 | 10.0 | 10.2 | 10.3 | 10.5 | 10.7 | 10.8 | 10.9 | 11.0 | 11.0 | 11.0 |
| 125° | 11.4 | 11.6 | 11.8 | 12.0 | 12.2 | 12.4 | 12.6 | 12.6 | 12.7 | 12.7 | 12.7 |
| 127.5° | 13.1 | 13.3 | 13.6 | 13.8 | 14.1 | 14.1 | 14.3 | 14.4 | 14.5 | 14.5 | 14.6 |
| 130° | 14.9 | 15.1 | 15.4 | 15.6 | 15.8 | 16.0 | 16.2 | 16.3 | 16.5 | 16.5 | 16.5 |
| 132.5° | 16.8 | 17.0 | 17.2 | 17.5 | 17.7 | 17.9 | 18.2 | 18.2 | 18.4 | 18.4 | 18.4 |
| 135° | 18.6 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.0 | 20.1 | 20.2 | 20.2 | 20.3 |
| 137.5° | 20.5 | 20.7 | 21.0 | 21.2 | 21.5 | 21.6 | 21.8 | 21.9 | 22.0 | 22.1 | 22.1 |
| 140° | 22.3 | 22.5 | 22.8 | 22.9 | 23.1 | 23.3 | 23.5 | 23.7 | 23.8 | 23.8 | 23.9 |
| 142.5° | 24.1 | 24.2 | 24.5 | 24.6 | 24.8 | 25.0 | 25.1 | 25.2 | 25.4 | 25.4 | 25.4 |
| 145° | 25.8 | 25.9 | 26.0 | 26.2 | 26.3 | 26.4 | 26.6 | 26.7 | 26.8 | 26.8 | 26.8 |
| 147.5° | 27.4 | 27.4 | 27.5 | 27.6 | 27.8 | 27.9 | 28.0 | 28.0 | 28.2 | 28.2 | 28.2 |
| 150° | 28.9 | 28.9 | 29.0 | 29.0 | 29.1 | 29.2 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 |
| 152.5° | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 |
| 155° | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.7 | 31.6 | 31.6 | 31.5 |
| 157.5° | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.2 | 33.2 | 33.0 | 33.0 | 32.9 | 32.8 |
| 160° | 34.8 | 34.8 | 34.8 | 34.8 | 34.7 | 34.7 | 34.6 | 34.5 | 34.4 | 34.2 | 34.1 |
| 162.5° | 36.3 | 36.3 | 36.3 | 36.3 | 36.2 | 36.1 | 36.1 | 35.9 | 35.8 | 35.7 | 35.5 |
| 165° | 37.7 | 37.7 | 37.7 | 37.6 | 37.6 | 37.5 | 37.5 | 37.3 | 37.2 | 37.1 | 36.9 |
| 167.5° | 38.9 | 38.9 | 38.9 | 38.8 | 38.8 | 38.7 | 38.6 | 38.5 | 38.5 | 38.3 | 38.2 |
| 170° | 39.9 | 39.8 | 39.8 | 39.8 | 39.7 | 39.7 | 39.6 | 39.5 | 39.4 | 39.3 | 39.2 |
| 172.5° | 40.6 | 40.6 | 40.6 | 40.5 | 40.5 | 40.4 | 40.4 | 40.3 | 40.2 | 40.1 | 40.1 |
| 175° | 41.0 | 41.0 | 40.9 | 40.9 | 40.8 | 40.8 | 40.8 | 40.7 | 40.7 | 40.7 | 40.6 |
| 177.5° | 41.2 | 41.2 | 41.2 | 41.2 | 41.1 | 41.1 | 41.1 | 41.0 | 41.0 | 41.0 | 41.0 |
| 180° | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |



TEST NUMBER: P1444433
 CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 357.5° | 360° |
|--------|---------|---------|
| 0° | 9928.9 | 9928.9 |
| 2.5° | 9967.4 | 9966.9 |
| 5° | 10004.4 | 10003.9 |
| 7.5° | 10032.6 | 10032.4 |
| 10° | 10036.0 | 10037.7 |
| 12.5° | 10015.9 | 10017.4 |
| 15° | 9957.5 | 9960.2 |
| 17.5° | 9845.7 | 9849.2 |
| 20° | 9653.1 | 9656.8 |
| 22.5° | 9341.1 | 9342.7 |
| 25° | 8887.7 | 8881.3 |
| 27.5° | 8269.5 | 8258.4 |
| 30° | 7483.6 | 7472.9 |
| 32.5° | 6546.7 | 6539.9 |
| 35° | 5491.9 | 5487.7 |
| 37.5° | 4381.5 | 4372.8 |
| 40° | 3303.4 | 3278.3 |
| 42.5° | 2357.9 | 2313.9 |
| 45° | 1629.5 | 1577.3 |
| 47.5° | 1137.5 | 1105.3 |
| 50° | 862.2 | 851.8 |
| 52.5° | 702.6 | 700.2 |
| 55° | 592.8 | 591.7 |
| 57.5° | 510.3 | 509.9 |
| 60° | 445.5 | 445.4 |
| 62.5° | 397.2 | 397.4 |
| 65° | 363.2 | 363.3 |
| 67.5° | 333.2 | 333.0 |
| 70° | 298.6 | 298.3 |
| 72.5° | 274.7 | 274.4 |
| 75° | 256.4 | 256.1 |
| 77.5° | 230.1 | 229.8 |
| 80° | 198.4 | 197.9 |
| 82.5° | 163.2 | 162.6 |
| 85° | 121.8 | 121.8 |
| 87.5° | 74.5 | 74.5 |
| 90° | 27.9 | 27.5 |
| 92.5° | 1.6 | 1.7 |
| 95° | 1.7 | 1.7 |
| 97.5° | 1.9 | 1.9 |
| 100° | 2.2 | 2.2 |
| 102.5° | 2.5 | 2.5 |
| 105° | 3.1 | 3.1 |
| 107.5° | 3.7 | 3.7 |
| 110° | 4.5 | 4.5 |



TEST NUMBER: P1444433
CATALOG NUMBER: EHBR1-12-UNV-TA-L830

CANDELA DISTRIBUTION (continued):

| | 357.5° | 360° |
|--------|--------|------|
| 112.5° | 5.4 | 5.4 |
| 115° | 6.6 | 6.6 |
| 117.5° | 7.9 | 7.9 |
| 120° | 9.3 | 9.3 |
| 122.5° | 11.0 | 10.9 |
| 125° | 12.6 | 12.6 |
| 127.5° | 14.5 | 14.4 |
| 130° | 16.3 | 16.3 |
| 132.5° | 18.4 | 18.2 |
| 135° | 20.2 | 20.1 |
| 137.5° | 22.0 | 21.9 |
| 140° | 23.7 | 23.7 |
| 142.5° | 25.4 | 25.3 |
| 145° | 26.8 | 26.7 |
| 147.5° | 28.0 | 28.0 |
| 150° | 29.2 | 29.1 |
| 152.5° | 30.2 | 30.1 |
| 155° | 31.3 | 31.2 |
| 157.5° | 32.6 | 32.4 |
| 160° | 33.9 | 33.8 |
| 162.5° | 35.4 | 35.2 |
| 165° | 36.7 | 36.6 |
| 167.5° | 38.0 | 37.9 |
| 170° | 39.2 | 39.1 |
| 172.5° | 40.0 | 39.9 |
| 175° | 40.6 | 40.6 |
| 177.5° | 41.0 | 40.9 |
| 180° | 41.2 | 41.2 |

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-2

Test Date: 07/31/2025

Luminaire Tested: EHBR-60-L830-N

Data in this report applies to families of products including EHBR-60-L830-N

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L830-N**
 Description: Elevate Round Highbay at, 60000 lumens, 3000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 2983
 CIE u': 0.2516
 CIE v': 0.5201
 Duv: -0.0012
 CIE x: 0.4364
 CIE y: 0.4010
 CIE z: 0.1626
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 583
 Purity: 51.34918
 Rf: 81.2
 Rg: 101.5

| | | | |
|-----------|------|------|------|
| CRI (Ra): | 83.4 | | |
| R1: | 84.0 | R9: | 29.4 |
| R2: | 87.5 | R10: | 68.6 |
| R3: | 88.9 | R11: | 82.2 |
| R4: | 83.8 | R12: | 61.6 |
| R5: | 81.9 | R13: | 83.9 |
| R6: | 83.1 | R14: | 92.5 |
| R7: | 87.1 | R15: | 79.8 |
| R8: | 70.9 | | |



Test Conditions

Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-2

| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | 76INCH SPHERE IN0058 | 6/16/2025 | 12/16/2025 |
| Power Meter | XITRON INXT2011004 | 1/21/2025 | 1/21/2026 |
| AC Power Source | CHROMA 61603 IN0063 | 10/22/2024 | 10/22/2025 |
| DC Power Source | AGILENT E3634A IN0208 | 10/22/2024 | 10/22/2025 |
| Sphere Thermometer | ONSET IN0085 | 10/22/2024 | 10/22/2025 |
| Room Thermometer | ONSET IN0046 | 10/22/2024 | 10/22/2025 |

REPORT NUMBER: SP1-2506-472-2

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

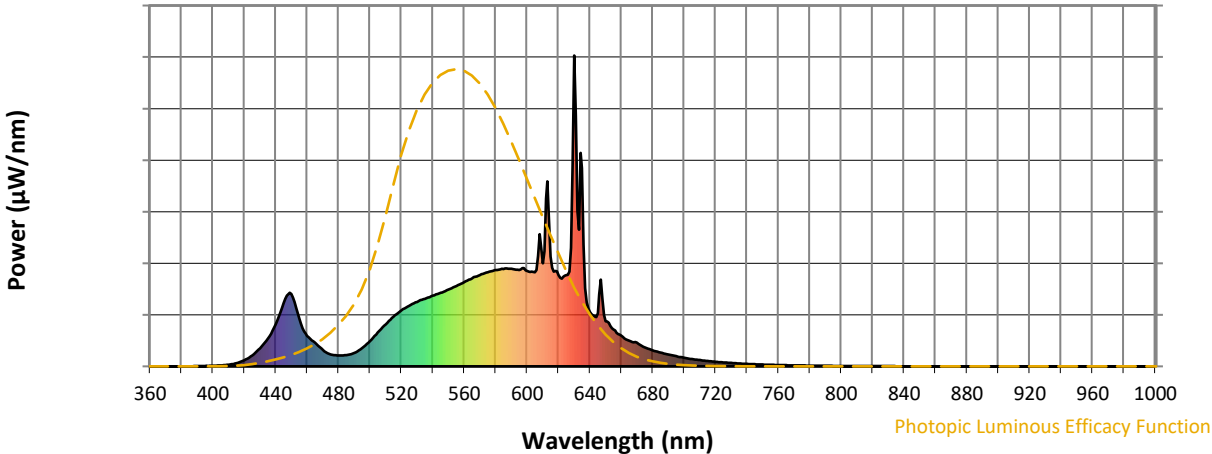


CCT = 2983K
 CIE x = 0.4364
 CIE y = 0.4010
 Duv = -0.0012

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-2

Photopic Flux vs. Wavelength



Photopic Lumens: NR

| λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360 | 0 | NR | 490 | 43 | NR | 620 | 294 | NR | 750 | 6 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 59 | NR | 625 | 294 | NR | 755 | 5 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 81 | NR | 630 | 1000 | NR | 760 | 4 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 109 | NR | 635 | 637 | NR | 765 | 4 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 135 | NR | 640 | 175 | NR | 770 | 3 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 160 | NR | 645 | 171 | NR | 775 | 3 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 180 | NR | 650 | 146 | NR | 780 | 2 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 195 | NR | 655 | 119 | NR | 785 | 2 | NR | 915 | 0 | NR |
| 400 | 2 | NR | 530 | 207 | NR | 660 | 99 | NR | 790 | 2 | NR | 920 | 0 | NR |
| 405 | 3 | NR | 535 | 218 | NR | 665 | 82 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 227 | NR | 670 | 76 | NR | 800 | 1 | NR | 930 | 0 | NR |
| 415 | 10 | NR | 545 | 237 | NR | 675 | 61 | NR | 805 | 1 | NR | 935 | 0 | NR |
| 420 | 20 | NR | 550 | 247 | NR | 680 | 52 | NR | 810 | 1 | NR | 940 | 0 | NR |
| 425 | 35 | NR | 555 | 259 | NR | 685 | 44 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 58 | NR | 560 | 271 | NR | 690 | 38 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 90 | NR | 565 | 283 | NR | 695 | 33 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 135 | NR | 570 | 293 | NR | 700 | 27 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 204 | NR | 575 | 303 | NR | 705 | 24 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 233 | NR | 580 | 310 | NR | 710 | 20 | NR | 840 | 0 | NR | 970 | 0 | NR |
| 455 | 153 | NR | 585 | 313 | NR | 715 | 17 | NR | 845 | 0 | NR | 975 | 0 | NR |
| 460 | 98 | NR | 590 | 314 | NR | 720 | 15 | NR | 850 | 0 | NR | 980 | 0 | NR |
| 465 | 76 | NR | 595 | 310 | NR | 725 | 13 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 53 | NR | 600 | 307 | NR | 730 | 11 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 39 | NR | 605 | 303 | NR | 735 | 9 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 35 | NR | 610 | 331 | NR | 740 | 8 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 36 | NR | 615 | 353 | NR | 745 | 7 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2506-472-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.27

| λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360 | 0 | NR | 490 | 43 | NR | 620 | 294 | NR | 750 | 6 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 59 | NR | 625 | 294 | NR | 755 | 5 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 81 | NR | 630 | 1000 | NR | 760 | 4 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 109 | NR | 635 | 637 | NR | 765 | 4 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 135 | NR | 640 | 175 | NR | 770 | 3 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 160 | NR | 645 | 171 | NR | 775 | 3 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 180 | NR | 650 | 146 | NR | 780 | 2 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 195 | NR | 655 | 119 | NR | 785 | 2 | NR | 915 | 0 | NR |
| 400 | 2 | NR | 530 | 207 | NR | 660 | 99 | NR | 790 | 2 | NR | 920 | 0 | NR |
| 405 | 3 | NR | 535 | 218 | NR | 665 | 82 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 227 | NR | 670 | 76 | NR | 800 | 1 | NR | 930 | 0 | NR |
| 415 | 10 | NR | 545 | 237 | NR | 675 | 61 | NR | 805 | 1 | NR | 935 | 0 | NR |
| 420 | 20 | NR | 550 | 247 | NR | 680 | 52 | NR | 810 | 1 | NR | 940 | 0 | NR |
| 425 | 35 | NR | 555 | 259 | NR | 685 | 44 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 58 | NR | 560 | 271 | NR | 690 | 38 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 90 | NR | 565 | 283 | NR | 695 | 33 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 135 | NR | 570 | 293 | NR | 700 | 27 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 204 | NR | 575 | 303 | NR | 705 | 24 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 233 | NR | 580 | 310 | NR | 710 | 20 | NR | 840 | 0 | NR | 970 | 0 | NR |
| 455 | 153 | NR | 585 | 313 | NR | 715 | 17 | NR | 845 | 0 | NR | 975 | 0 | NR |
| 460 | 98 | NR | 590 | 314 | NR | 720 | 15 | NR | 850 | 0 | NR | 980 | 0 | NR |
| 465 | 76 | NR | 595 | 310 | NR | 725 | 13 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 53 | NR | 600 | 307 | NR | 730 | 11 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 39 | NR | 605 | 303 | NR | 735 | 9 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 35 | NR | 610 | 331 | NR | 740 | 8 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 36 | NR | 615 | 353 | NR | 745 | 7 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2506-472-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.34

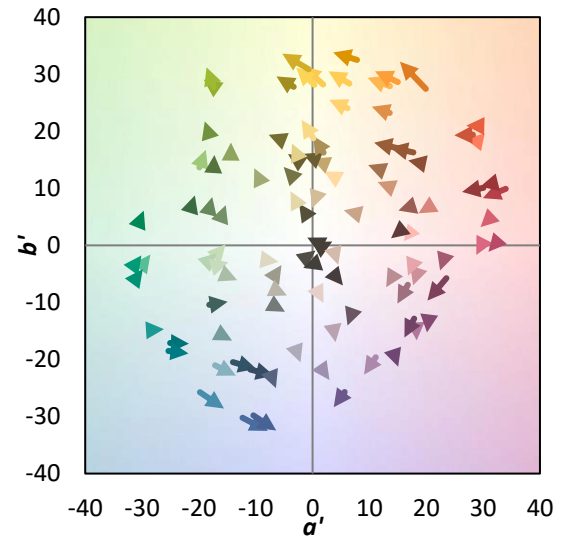
| λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360 | 0 | NR | 490 | 43 | NR | 620 | 294 | NR | 750 | 6 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 59 | NR | 625 | 294 | NR | 755 | 5 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 81 | NR | 630 | 1000 | NR | 760 | 4 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 109 | NR | 635 | 637 | NR | 765 | 4 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 135 | NR | 640 | 175 | NR | 770 | 3 | NR | 900 | 0 | NR |
| 385 | 0 | NR | 515 | 160 | NR | 645 | 171 | NR | 775 | 3 | NR | 905 | 0 | NR |
| 390 | 1 | NR | 520 | 180 | NR | 650 | 146 | NR | 780 | 2 | NR | 910 | 0 | NR |
| 395 | 1 | NR | 525 | 195 | NR | 655 | 119 | NR | 785 | 2 | NR | 915 | 0 | NR |
| 400 | 2 | NR | 530 | 207 | NR | 660 | 99 | NR | 790 | 2 | NR | 920 | 0 | NR |
| 405 | 3 | NR | 535 | 218 | NR | 665 | 82 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 5 | NR | 540 | 227 | NR | 670 | 76 | NR | 800 | 1 | NR | 930 | 0 | NR |
| 415 | 10 | NR | 545 | 237 | NR | 675 | 61 | NR | 805 | 1 | NR | 935 | 0 | NR |
| 420 | 20 | NR | 550 | 247 | NR | 680 | 52 | NR | 810 | 1 | NR | 940 | 0 | NR |
| 425 | 35 | NR | 555 | 259 | NR | 685 | 44 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 58 | NR | 560 | 271 | NR | 690 | 38 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 90 | NR | 565 | 283 | NR | 695 | 33 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 135 | NR | 570 | 293 | NR | 700 | 27 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 204 | NR | 575 | 303 | NR | 705 | 24 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 233 | NR | 580 | 310 | NR | 710 | 20 | NR | 840 | 0 | NR | 970 | 0 | NR |
| 455 | 153 | NR | 585 | 313 | NR | 715 | 17 | NR | 845 | 0 | NR | 975 | 0 | NR |
| 460 | 98 | NR | 590 | 314 | NR | 720 | 15 | NR | 850 | 0 | NR | 980 | 0 | NR |
| 465 | 76 | NR | 595 | 310 | NR | 725 | 13 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 53 | NR | 600 | 307 | NR | 730 | 11 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 39 | NR | 605 | 303 | NR | 735 | 9 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 35 | NR | 610 | 331 | NR | 740 | 8 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 36 | NR | 615 | 353 | NR | 745 | 7 | NR | 875 | 0 | NR | | | |

Summary

$R_f = 81.2$
 $R_g = 101.5$
 CIE $R_a = 83.4$
 $R_9 = 29.4$



Color Vector Graphics

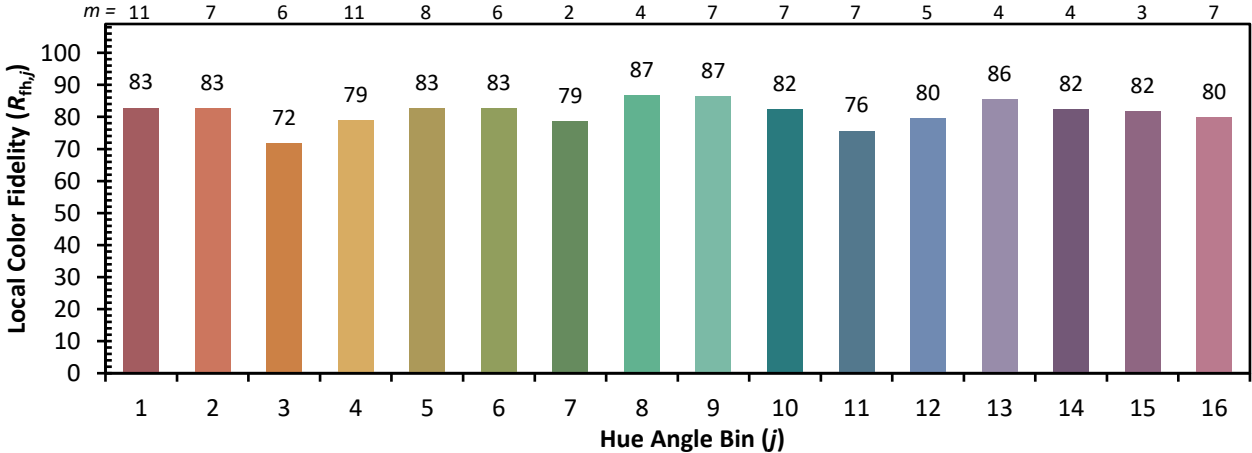


Individual Sample Fidelity Index ($R_{f,i}$)

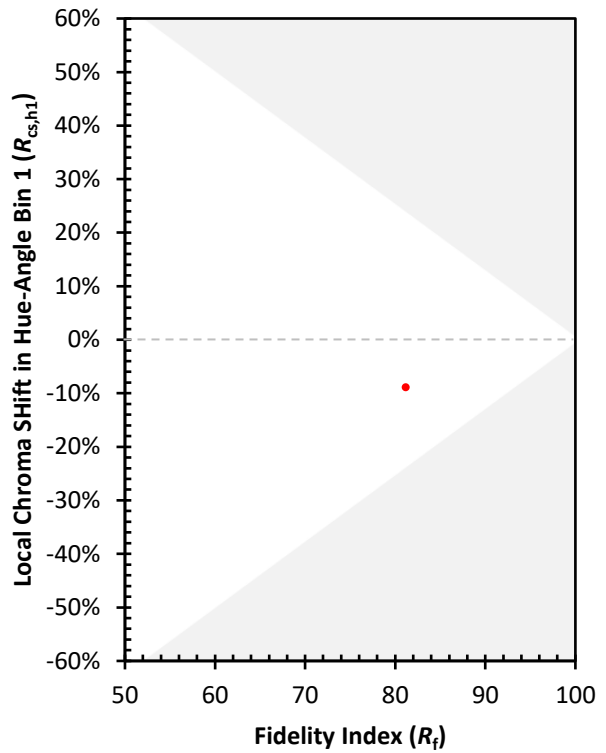
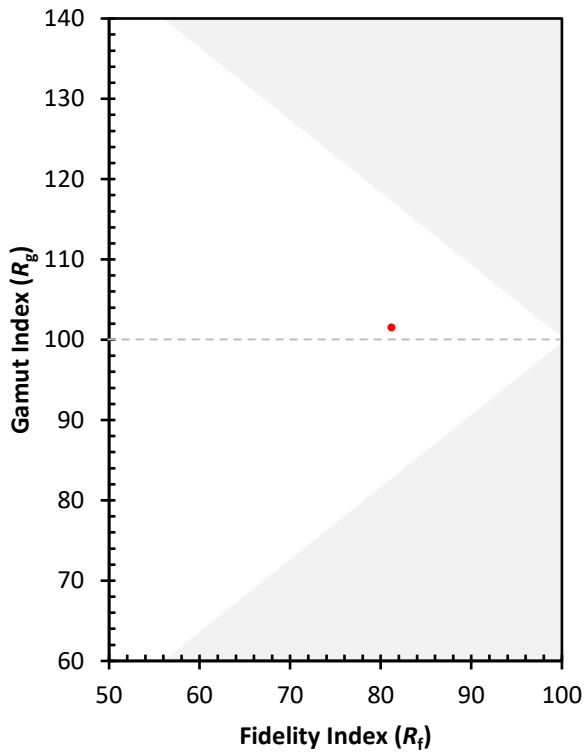
| | | | |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 71 | CES51 = 89 | CES76 = 65 |
| CES02 = 63 | CES27 = 89 | CES52 = 89 | CES77 = 82 |
| CES03 = 31 | CES28 = 86 | CES53 = 80 | CES78 = 67 |
| CES04 = 70 | CES29 = 68 | CES54 = 92 | CES79 = 89 |
| CES05 = 50 | CES30 = 77 | CES55 = 90 | CES80 = 85 |
| CES06 = 51 | CES31 = 70 | CES56 = 81 | CES81 = 75 |
| CES07 = 43 | CES32 = 64 | CES57 = 79 | CES82 = 93 |
| CES08 = 41 | CES33 = 74 | CES58 = 81 | CES83 = 89 |
| CES09 = 29 | CES34 = 76 | CES59 = 92 | CES84 = 91 |
| CES10 = 76 | CES35 = 87 | CES60 = 96 | CES85 = 81 |
| CES11 = 59 | CES36 = 99 | CES61 = 91 | CES86 = 74 |
| CES12 = 65 | CES37 = 81 | CES62 = 93 | CES87 = 83 |
| CES13 = 44 | CES38 = 83 | CES63 = 79 | CES88 = 86 |
| CES14 = 74 | CES39 = 94 | CES64 = 81 | CES89 = 74 |
| CES15 = 72 | CES40 = 89 | CES65 = 78 | CES90 = 85 |
| CES16 = 48 | CES41 = 88 | CES66 = 76 | CES91 = 87 |
| CES17 = 50 | CES42 = 80 | CES67 = 74 | CES92 = 73 |
| CES18 = 57 | CES43 = 75 | CES68 = 79 | CES93 = 84 |
| CES19 = 72 | CES44 = 99 | CES69 = 83 | CES94 = 64 |
| CES20 = 67 | CES45 = 83 | CES70 = 72 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 70 | CES96 = 86 |
| CES22 = 79 | CES47 = 79 | CES72 = 90 | CES97 = 85 |
| CES23 = 92 | CES48 = 78 | CES73 = 65 | CES98 = 83 |
| CES24 = 91 | CES49 = 79 | CES74 = 94 | CES99 = 82 |
| CES25 = 72 | CES50 = 88 | CES75 = 70 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)