

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P303219

Luminaire Tested: **CTW-F-7525-40L935-UNV-STD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-7525-40L935-UNV-STD-4
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
75% UPLIGHT, 25% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

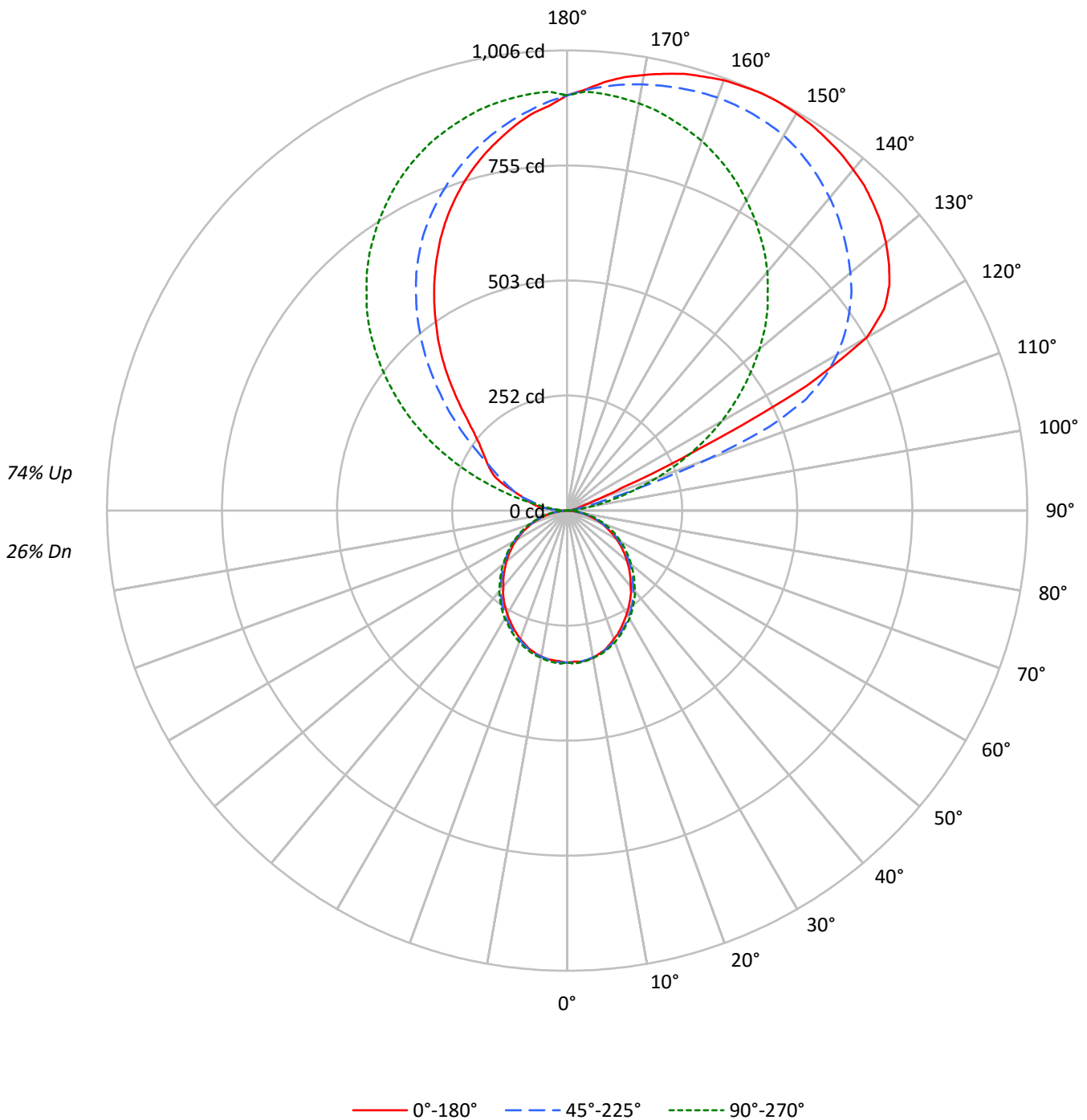
Lumens per Lamp: N/A
Luminaire Lumens: 3446.8 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.31
Luminous Opening: Rectangular (W 4' x L: 0.12' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 30
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303219
CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

Luminous Intensity Polar Plot





TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 70 | 70 | 70 | 51 | 51 | 51 | 34 | 34 | 34 | 26 |
| 1 | 92 | 88 | 84 | 81 | 82 | 79 | 75 | 73 | 61 | 59 | 57 | 45 | 43 | 42 | 30 | 29 | 28 | 21 |
| 2 | 84 | 77 | 71 | 66 | 75 | 69 | 64 | 59 | 53 | 50 | 47 | 39 | 37 | 35 | 26 | 25 | 24 | 18 |
| 3 | 76 | 67 | 60 | 55 | 68 | 60 | 54 | 50 | 47 | 43 | 39 | 35 | 32 | 30 | 23 | 21 | 20 | 15 |
| 4 | 70 | 59 | 52 | 46 | 62 | 53 | 47 | 42 | 42 | 37 | 33 | 31 | 28 | 25 | 21 | 19 | 17 | 13 |
| 5 | 64 | 53 | 45 | 39 | 57 | 47 | 41 | 36 | 37 | 32 | 29 | 27 | 24 | 22 | 18 | 17 | 15 | 11 |
| 6 | 59 | 47 | 39 | 34 | 52 | 42 | 36 | 31 | 33 | 28 | 25 | 25 | 21 | 19 | 17 | 15 | 13 | 10 |
| 7 | 54 | 42 | 35 | 29 | 48 | 38 | 32 | 27 | 30 | 25 | 22 | 22 | 19 | 17 | 15 | 13 | 12 | 9 |
| 8 | 50 | 38 | 31 | 26 | 45 | 35 | 28 | 24 | 27 | 22 | 19 | 20 | 17 | 15 | 14 | 12 | 10 | 8 |
| 9 | 47 | 35 | 28 | 23 | 41 | 31 | 25 | 21 | 25 | 20 | 17 | 19 | 15 | 13 | 13 | 11 | 9 | 7 |
| 10 | 43 | 32 | 25 | 20 | 39 | 29 | 23 | 19 | 23 | 18 | 15 | 17 | 14 | 12 | 12 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|------|------|------|
| 0° | 7154 | 7154 | 7154 |
| 5° | 7164 | 7200 | 7108 |
| 10° | 7133 | 7153 | 7076 |
| 15° | 7043 | 7101 | 7005 |
| 20° | 6845 | 7003 | 6845 |
| 25° | 6668 | 6893 | 6668 |
| 30° | 6486 | 6784 | 6505 |
| 35° | 6292 | 6631 | 6336 |
| 40° | 6073 | 6483 | 6098 |
| 45° | 5897 | 6290 | 5949 |
| 50° | 5710 | 6112 | 5797 |
| 55° | 5559 | 5945 | 5656 |
| 60° | 5373 | 5821 | 5485 |
| 65° | 5130 | 5700 | 5308 |
| 70° | 4878 | 5526 | 5092 |
| 75° | 4508 | 5298 | 4799 |
| 80° | 3955 | 4909 | 4265 |
| 85° | 2544 | 4471 | 2989 |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 31.4 | 0.9 |
| 10°-20° | 88.8 | 2.6 |
| 20°-30° | 131.1 | 3.8 |
| 30°-40° | 153.8 | 4.5 |
| 40°-50° | 154.8 | 4.5 |
| 50°-60° | 138.0 | 4.0 |
| 60°-70° | 105.8 | 3.1 |
| 70°-80° | 62.9 | 1.8 |
| 80°-90° | 17.4 | 0.5 |
| 90°-100° | 25.4 | 0.7 |
| 100°-110° | 108.4 | 3.1 |
| 110°-120° | 309.2 | 9.0 |
| 120°-130° | 452.1 | 13.1 |
| 130°-140° | 487.8 | 14.2 |
| 140°-150° | 464.2 | 13.5 |
| 150°-160° | 380.9 | 11.1 |
| 160°-170° | 248.7 | 7.2 |
| 170°-180° | 86.2 | 2.5 |
| 0°-30° | 251.2 | 7.3 |
| 0°-40° | 405.0 | 11.7 |
| 0°-60° | 697.8 | 20.2 |
| 0°-90° | 883.9 | 25.6 |
| 90°-120° | 442.9 | 12.9 |
| 90°-150° | 1847.1 | 53.6 |
| 90°-180° | 2563.0 | 74.4 |
| 0°-180° | 3446.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|-----|-----|------|------|------|
| 0° | 332 | 332 | 332 | 332 | 332 | |
| 5° | 332 | 332 | 333 | 331 | 329 | 31 |
| 15° | 316 | 317 | 319 | 315 | 314 | 89 |
| 25° | 281 | 287 | 290 | 286 | 281 | 129 |
| 35° | 239 | 248 | 252 | 248 | 241 | 150 |
| 45° | 194 | 202 | 207 | 202 | 195 | 149 |
| 55° | 148 | 154 | 158 | 157 | 151 | 132 |
| 65° | 101 | 106 | 112 | 108 | 104 | 100 |
| 75° | 54 | 58 | 64 | 60 | 58 | 58 |
| 85° | 10 | 13 | 18 | 15 | 12 | 13 |
| 90° | 1 | 1 | 1 | 4 | 8 | 1 |
| 95° | 6 | 8 | 18 | 36 | 34 | 7 |
| 105° | 28 | 78 | 122 | 85 | 95 | 35 |
| 115° | 313 | 576 | 300 | 156 | 174 | 353 |
| 125° | 860 | 752 | 471 | 258 | 226 | 762 |
| 135° | 947 | 854 | 619 | 417 | 336 | 732 |
| 145° | 991 | 924 | 735 | 576 | 500 | 622 |
| 155° | 1006 | 957 | 826 | 709 | 655 | 465 |
| 165° | 988 | 956 | 885 | 808 | 779 | 280 |
| 175° | 940 | 931 | 914 | 881 | 871 | 91 |
| 180° | 908 | 908 | 908 | 908 | 908 | |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 |
| 2.5° | 330.6 | 329.8 | 331.5 | 332.3 | 332.3 | 333.2 | 333.2 | 333.2 | 333.2 | 334.1 | 332.3 |
| 5° | 331.5 | 331.5 | 331.5 | 331.5 | 330.6 | 331.5 | 331.5 | 332.3 | 332.3 | 333.2 | 331.5 |
| 7.5° | 330.6 | 329.8 | 329.8 | 329.8 | 328.9 | 328.9 | 329.8 | 329.8 | 328.9 | 330.6 | 328.9 |
| 10° | 326.3 | 326.3 | 325.5 | 325.5 | 325.5 | 325.5 | 325.5 | 326.3 | 326.3 | 327.2 | 325.5 |
| 12.5° | 321.2 | 321.2 | 321.2 | 321.2 | 320.3 | 320.3 | 321.2 | 322.0 | 322.0 | 322.9 | 322.0 |
| 15° | 316.0 | 315.1 | 316.0 | 316.8 | 316.0 | 316.0 | 316.0 | 316.8 | 316.8 | 317.7 | 316.8 |
| 17.5° | 307.4 | 307.4 | 308.2 | 309.1 | 309.1 | 308.2 | 309.1 | 310.0 | 310.0 | 310.8 | 310.0 |
| 20° | 298.8 | 298.8 | 299.6 | 300.5 | 300.5 | 300.5 | 301.4 | 301.4 | 302.2 | 302.2 | 303.1 |
| 22.5° | 291.0 | 290.2 | 291.0 | 291.9 | 291.9 | 291.0 | 292.7 | 292.7 | 293.6 | 294.5 | 295.3 |
| 25° | 280.7 | 279.8 | 281.5 | 282.4 | 282.4 | 282.4 | 283.3 | 284.1 | 285.0 | 285.9 | 286.7 |
| 27.5° | 270.4 | 270.4 | 271.2 | 272.1 | 272.9 | 272.9 | 273.8 | 275.5 | 275.5 | 276.4 | 278.1 |
| 30° | 260.9 | 260.9 | 261.7 | 262.6 | 263.5 | 263.5 | 263.5 | 265.2 | 266.9 | 266.9 | 268.6 |
| 32.5° | 250.6 | 249.7 | 250.6 | 252.3 | 252.3 | 252.3 | 253.1 | 254.9 | 255.7 | 256.6 | 258.3 |
| 35° | 239.4 | 239.4 | 240.2 | 241.1 | 241.9 | 241.9 | 242.8 | 244.5 | 245.4 | 246.2 | 248.0 |
| 37.5° | 229.0 | 228.2 | 229.0 | 229.9 | 230.7 | 230.7 | 231.6 | 233.3 | 234.2 | 235.1 | 236.8 |
| 40° | 216.1 | 215.3 | 216.1 | 217.0 | 217.8 | 217.8 | 218.7 | 221.3 | 222.1 | 223.0 | 224.7 |
| 42.5° | 204.9 | 204.1 | 204.9 | 205.8 | 206.6 | 207.5 | 207.5 | 208.4 | 210.1 | 210.9 | 212.7 |
| 45° | 193.7 | 192.9 | 192.9 | 194.6 | 195.4 | 195.4 | 196.3 | 197.2 | 198.9 | 199.8 | 201.5 |
| 47.5° | 182.5 | 181.7 | 182.5 | 183.4 | 183.4 | 184.3 | 185.1 | 185.1 | 186.8 | 188.6 | 189.4 |
| 50° | 170.5 | 170.5 | 170.5 | 171.3 | 172.2 | 173.1 | 173.1 | 173.9 | 174.8 | 176.5 | 178.2 |
| 52.5° | 159.3 | 158.4 | 159.3 | 160.1 | 161.0 | 161.0 | 161.9 | 161.9 | 162.7 | 165.3 | 166.2 |
| 55° | 148.1 | 147.2 | 147.2 | 148.1 | 148.1 | 149.0 | 149.8 | 149.8 | 150.7 | 152.4 | 154.1 |
| 57.5° | 136.0 | 136.0 | 136.0 | 136.9 | 136.9 | 136.9 | 138.6 | 138.6 | 139.5 | 141.2 | 142.1 |
| 60° | 124.8 | 124.8 | 124.0 | 124.8 | 124.8 | 125.7 | 126.6 | 126.6 | 127.4 | 128.3 | 130.0 |
| 62.5° | 112.8 | 112.8 | 111.9 | 112.8 | 113.7 | 113.7 | 114.5 | 114.5 | 115.4 | 117.1 | 118.0 |
| 65° | 100.7 | 101.6 | 100.7 | 100.7 | 101.6 | 101.6 | 102.5 | 102.5 | 103.3 | 104.2 | 105.9 |
| 67.5° | 89.5 | 89.5 | 88.7 | 89.5 | 89.5 | 90.4 | 90.4 | 91.3 | 91.3 | 92.1 | 93.0 |
| 70° | 77.5 | 77.5 | 77.5 | 77.5 | 78.4 | 78.4 | 79.2 | 79.2 | 79.2 | 80.1 | 80.9 |
| 72.5° | 66.3 | 66.3 | 65.4 | 65.4 | 66.3 | 67.2 | 67.2 | 68.0 | 68.0 | 69.7 | 69.7 |
| 75° | 54.2 | 54.2 | 54.2 | 54.2 | 55.1 | 55.1 | 55.1 | 56.0 | 56.8 | 56.8 | 57.7 |
| 77.5° | 43.1 | 42.2 | 43.1 | 43.1 | 43.1 | 43.1 | 43.9 | 44.8 | 44.8 | 45.6 | 46.5 |
| 80° | 31.9 | 31.0 | 31.9 | 31.9 | 31.9 | 31.9 | 32.7 | 32.7 | 33.6 | 34.4 | 34.4 |
| 82.5° | 20.7 | 19.8 | 20.7 | 20.7 | 20.7 | 20.7 | 21.5 | 21.5 | 22.4 | 23.2 | 23.2 |
| 85° | 10.3 | 9.5 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 11.2 | 12.1 | 12.1 | 12.9 |
| 87.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.6 | 2.6 | 3.4 |
| 90° | 0.9 | 1.7 | 1.7 | 1.7 | 0.9 | 1.7 | 0.9 | 1.7 | 0.9 | 0.9 | 0.9 |
| 92.5° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 95° | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.9 | 6.9 | 6.9 | 7.7 |
| 97.5° | 10.3 | 9.5 | 9.5 | 10.3 | 10.3 | 10.3 | 10.3 | 11.2 | 12.1 | 12.9 | 14.6 |
| 100° | 14.6 | 14.6 | 14.6 | 15.5 | 15.5 | 16.4 | 16.4 | 17.2 | 18.9 | 20.7 | 24.1 |
| 102.5° | 21.5 | 21.5 | 21.5 | 22.4 | 22.4 | 23.2 | 24.1 | 25.8 | 28.4 | 32.7 | 40.5 |
| 105° | 28.4 | 29.3 | 30.1 | 31.0 | 32.7 | 34.4 | 35.3 | 38.7 | 44.8 | 56.0 | 77.5 |
| 107.5° | 42.2 | 42.2 | 43.9 | 45.6 | 49.1 | 52.5 | 55.1 | 65.4 | 80.1 | 111.1 | 162.7 |
| 110° | 66.3 | 65.4 | 68.0 | 75.8 | 85.2 | 94.7 | 99.9 | 135.2 | 175.6 | 243.7 | 322.0 |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 130.0 | 128.3 | 136.9 | 155.0 | 189.4 | 218.7 | 231.6 | 299.6 | 372.8 | 436.5 | 477.9 |
| 115° | 313.4 | 309.1 | 327.2 | 363.3 | 423.6 | 458.9 | 470.1 | 526.1 | 563.1 | 574.3 | 576.0 |
| 117.5° | 589.8 | 584.6 | 596.7 | 616.5 | 648.3 | 660.4 | 657.8 | 667.3 | 663.0 | 652.6 | 636.3 |
| 120° | 756.0 | 751.7 | 751.7 | 750.8 | 752.5 | 749.1 | 744.8 | 735.3 | 718.9 | 702.6 | 681.1 |
| 122.5° | 822.3 | 820.5 | 816.2 | 808.5 | 803.3 | 799.0 | 790.4 | 776.6 | 760.3 | 742.2 | 719.8 |
| 125° | 860.1 | 857.6 | 853.3 | 846.4 | 836.9 | 833.4 | 824.0 | 809.3 | 793.0 | 774.9 | 752.5 |
| 127.5° | 886.8 | 884.2 | 879.9 | 874.8 | 864.4 | 861.0 | 852.4 | 836.9 | 821.4 | 804.2 | 783.5 |
| 130° | 910.1 | 907.5 | 903.2 | 898.9 | 890.3 | 884.2 | 876.5 | 861.9 | 847.2 | 830.0 | 808.5 |
| 132.5° | 930.7 | 927.3 | 923.0 | 919.5 | 911.8 | 907.5 | 898.9 | 885.1 | 870.5 | 854.1 | 831.7 |
| 135° | 947.1 | 945.4 | 940.2 | 936.8 | 929.0 | 923.9 | 917.0 | 904.1 | 890.3 | 873.9 | 854.1 |
| 137.5° | 962.6 | 958.3 | 955.7 | 951.4 | 943.7 | 938.5 | 932.5 | 920.4 | 907.5 | 892.9 | 874.8 |
| 140° | 972.9 | 970.3 | 966.9 | 964.3 | 956.6 | 950.5 | 945.4 | 935.9 | 923.0 | 909.2 | 892.9 |
| 142.5° | 983.3 | 980.7 | 978.1 | 973.8 | 966.9 | 962.6 | 957.4 | 948.8 | 938.5 | 924.7 | 909.2 |
| 145° | 991.0 | 988.4 | 985.8 | 983.3 | 976.4 | 972.1 | 967.8 | 960.9 | 950.5 | 937.6 | 923.9 |
| 147.5° | 997.9 | 996.2 | 993.6 | 991.0 | 985.0 | 981.5 | 978.1 | 971.2 | 960.9 | 948.0 | 936.8 |
| 150° | 1002.2 | 1000.5 | 997.9 | 997.0 | 990.2 | 986.7 | 984.1 | 978.1 | 968.6 | 955.7 | 947.1 |
| 152.5° | 1005.6 | 1003.9 | 1001.3 | 1000.5 | 993.6 | 991.0 | 988.4 | 982.4 | 972.9 | 960.9 | 953.1 |
| 155° | 1006.5 | 1004.8 | 1002.2 | 1000.5 | 993.6 | 991.0 | 989.3 | 983.3 | 975.5 | 965.2 | 957.4 |
| 157.5° | 1003.9 | 1003.1 | 1001.3 | 997.9 | 991.9 | 989.3 | 988.4 | 982.4 | 976.4 | 967.8 | 960.0 |
| 160° | 1001.3 | 999.6 | 998.8 | 996.2 | 991.0 | 989.3 | 988.4 | 983.3 | 977.2 | 969.5 | 960.9 |
| 162.5° | 994.5 | 994.5 | 993.6 | 991.9 | 987.6 | 985.8 | 985.0 | 980.7 | 974.7 | 968.6 | 959.2 |
| 165° | 988.4 | 987.6 | 985.8 | 984.1 | 980.7 | 979.8 | 978.1 | 975.5 | 969.5 | 965.2 | 955.7 |
| 167.5° | 978.1 | 977.2 | 975.5 | 972.9 | 970.3 | 970.3 | 969.5 | 967.8 | 962.6 | 960.9 | 951.4 |
| 170° | 966.9 | 965.2 | 965.2 | 963.5 | 960.9 | 960.9 | 960.9 | 959.2 | 954.8 | 954.0 | 946.2 |
| 172.5° | 955.7 | 954.0 | 953.1 | 952.3 | 948.8 | 949.7 | 949.7 | 948.0 | 945.4 | 947.1 | 939.4 |
| 175° | 940.2 | 939.4 | 937.6 | 937.6 | 935.9 | 936.8 | 938.5 | 937.6 | 935.0 | 937.6 | 930.7 |
| 177.5° | 921.3 | 920.4 | 921.3 | 923.9 | 922.1 | 924.7 | 924.7 | 925.6 | 924.7 | 927.3 | 920.4 |
| 180° | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 |
| 2.5° | 330.6 | 331.5 | 330.6 | 331.5 | 331.5 | 330.6 | 331.5 | 332.3 | 334.1 | 334.9 | 334.1 |
| 5° | 329.8 | 329.8 | 329.8 | 329.8 | 329.8 | 329.8 | 329.8 | 330.6 | 332.3 | 333.2 | 332.3 |
| 7.5° | 327.2 | 328.0 | 327.2 | 328.0 | 328.0 | 327.2 | 327.2 | 328.9 | 329.8 | 330.6 | 329.8 |
| 10° | 324.6 | 324.6 | 323.7 | 324.6 | 324.6 | 324.6 | 324.6 | 325.5 | 326.3 | 327.2 | 326.3 |
| 12.5° | 320.3 | 320.3 | 319.4 | 320.3 | 320.3 | 320.3 | 320.3 | 321.2 | 322.9 | 323.7 | 322.9 |
| 15° | 315.1 | 315.1 | 315.1 | 315.1 | 316.0 | 315.1 | 315.1 | 316.8 | 317.7 | 318.6 | 317.7 |
| 17.5° | 308.2 | 309.1 | 308.2 | 309.1 | 309.1 | 309.1 | 309.1 | 310.8 | 311.7 | 312.5 | 311.7 |
| 20° | 300.5 | 301.4 | 301.4 | 301.4 | 302.2 | 302.2 | 302.2 | 303.1 | 304.8 | 305.7 | 304.8 |
| 22.5° | 293.6 | 294.5 | 294.5 | 294.5 | 294.5 | 294.5 | 295.3 | 296.2 | 297.9 | 297.9 | 297.9 |
| 25° | 285.0 | 285.0 | 285.9 | 286.7 | 286.7 | 286.7 | 287.6 | 288.4 | 289.3 | 290.2 | 289.3 |
| 27.5° | 276.4 | 276.4 | 276.4 | 278.1 | 278.1 | 278.1 | 278.1 | 279.0 | 280.7 | 280.7 | 280.7 |
| 30° | 267.8 | 266.9 | 267.8 | 268.6 | 269.5 | 269.5 | 269.5 | 270.4 | 272.1 | 272.9 | 272.1 |
| 32.5° | 258.3 | 257.4 | 258.3 | 259.2 | 259.2 | 260.0 | 260.0 | 260.9 | 262.6 | 262.6 | 262.6 |
| 35° | 248.0 | 247.1 | 248.0 | 248.8 | 248.8 | 249.7 | 250.6 | 250.6 | 252.3 | 252.3 | 252.3 |
| 37.5° | 237.6 | 236.8 | 237.6 | 238.5 | 238.5 | 239.4 | 239.4 | 240.2 | 241.9 | 241.9 | 241.9 |
| 40° | 226.4 | 225.6 | 225.6 | 227.3 | 227.3 | 227.3 | 229.0 | 229.0 | 230.7 | 230.7 | 230.7 |
| 42.5° | 214.4 | 213.5 | 214.4 | 215.3 | 215.3 | 215.3 | 216.1 | 217.0 | 217.8 | 217.8 | 217.8 |
| 45° | 202.3 | 202.3 | 203.2 | 204.1 | 204.1 | 204.1 | 204.9 | 205.8 | 206.6 | 206.6 | 206.6 |
| 47.5° | 191.1 | 191.1 | 192.0 | 192.9 | 192.9 | 192.9 | 193.7 | 193.7 | 195.4 | 194.6 | 194.6 |
| 50° | 179.1 | 179.9 | 180.8 | 181.7 | 181.7 | 181.7 | 182.5 | 182.5 | 183.4 | 182.5 | 183.4 |
| 52.5° | 167.0 | 167.9 | 168.8 | 169.6 | 169.6 | 169.6 | 170.5 | 170.5 | 171.3 | 170.5 | 171.3 |
| 55° | 155.0 | 155.0 | 156.7 | 157.6 | 157.6 | 157.6 | 158.4 | 158.4 | 159.3 | 158.4 | 159.3 |
| 57.5° | 143.8 | 143.8 | 144.6 | 145.5 | 145.5 | 145.5 | 146.4 | 147.2 | 147.2 | 147.2 | 147.2 |
| 60° | 130.9 | 131.7 | 132.6 | 133.5 | 134.3 | 134.3 | 134.3 | 135.2 | 135.2 | 135.2 | 135.2 |
| 62.5° | 118.8 | 119.7 | 120.5 | 121.4 | 122.3 | 121.4 | 122.3 | 123.1 | 123.1 | 123.1 | 123.1 |
| 65° | 106.8 | 107.6 | 108.5 | 109.3 | 110.2 | 109.3 | 110.2 | 111.1 | 111.1 | 111.9 | 111.1 |
| 67.5° | 94.7 | 94.7 | 96.4 | 97.3 | 97.3 | 97.3 | 98.2 | 99.0 | 99.0 | 99.9 | 99.9 |
| 70° | 82.7 | 82.7 | 84.4 | 85.2 | 85.2 | 85.2 | 86.1 | 87.0 | 87.8 | 87.8 | 87.8 |
| 72.5° | 70.6 | 71.5 | 72.3 | 73.2 | 74.0 | 73.2 | 74.0 | 74.9 | 75.8 | 75.8 | 75.8 |
| 75° | 58.5 | 59.4 | 60.3 | 61.1 | 62.0 | 61.1 | 62.0 | 62.9 | 62.9 | 63.7 | 63.7 |
| 77.5° | 46.5 | 47.4 | 48.2 | 49.1 | 49.9 | 49.9 | 49.9 | 50.8 | 51.7 | 52.5 | 51.7 |
| 80° | 35.3 | 36.2 | 37.0 | 37.9 | 38.7 | 37.9 | 38.7 | 38.7 | 39.6 | 39.6 | 39.6 |
| 82.5° | 24.1 | 25.8 | 25.8 | 26.7 | 26.7 | 26.7 | 27.6 | 27.6 | 28.4 | 29.3 | 28.4 |
| 85° | 13.8 | 14.6 | 15.5 | 16.4 | 16.4 | 16.4 | 16.4 | 17.2 | 17.2 | 18.1 | 18.1 |
| 87.5° | 4.3 | 4.3 | 5.2 | 6.0 | 6.0 | 6.0 | 6.9 | 6.9 | 7.7 | 7.7 | 7.7 |
| 90° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 92.5° | 3.4 | 3.4 | 4.3 | 5.2 | 6.0 | 6.9 | 8.6 | 8.6 | 7.7 | 6.9 | 7.7 |
| 95° | 8.6 | 10.3 | 12.9 | 16.4 | 19.8 | 21.5 | 25.8 | 25.0 | 21.5 | 18.1 | 17.2 |
| 97.5° | 17.2 | 21.5 | 27.6 | 37.0 | 43.9 | 48.2 | 53.4 | 49.1 | 41.3 | 35.3 | 31.9 |
| 100° | 31.0 | 40.5 | 54.2 | 74.0 | 84.4 | 88.7 | 90.4 | 80.9 | 68.9 | 57.7 | 50.8 |
| 102.5° | 56.0 | 78.4 | 105.9 | 133.5 | 143.8 | 143.8 | 138.6 | 121.4 | 103.3 | 87.0 | 74.0 |
| 105° | 111.1 | 149.0 | 191.1 | 211.8 | 216.1 | 210.1 | 192.9 | 169.6 | 143.8 | 122.3 | 104.2 |
| 107.5° | 224.7 | 274.7 | 293.6 | 292.7 | 288.4 | 273.8 | 250.6 | 221.3 | 188.6 | 161.9 | 139.5 |
| 110° | 372.0 | 386.6 | 383.1 | 363.3 | 352.1 | 335.8 | 303.9 | 274.7 | 235.9 | 207.5 | 179.1 |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 487.3 | 472.7 | 451.2 | 421.0 | 407.3 | 390.0 | 357.3 | 325.5 | 284.1 | 254.0 | 223.0 |
| 115° | 561.4 | 533.8 | 505.4 | 472.7 | 458.1 | 440.0 | 407.3 | 372.0 | 330.6 | 299.6 | 267.8 |
| 117.5° | 614.8 | 582.0 | 551.9 | 519.2 | 505.4 | 487.3 | 453.7 | 416.7 | 375.4 | 345.3 | 313.4 |
| 120° | 653.5 | 625.1 | 594.1 | 562.2 | 549.3 | 531.2 | 495.9 | 460.6 | 421.9 | 389.2 | 357.3 |
| 122.5° | 692.2 | 662.1 | 632.8 | 602.7 | 589.8 | 571.7 | 534.7 | 500.2 | 462.4 | 430.5 | 399.5 |
| 125° | 725.8 | 696.5 | 669.0 | 640.6 | 626.8 | 607.0 | 572.6 | 538.1 | 502.0 | 471.0 | 441.7 |
| 127.5° | 756.8 | 730.1 | 701.7 | 674.2 | 660.4 | 639.7 | 607.0 | 573.4 | 540.7 | 510.6 | 481.3 |
| 130° | 784.4 | 761.1 | 733.6 | 706.0 | 690.5 | 671.6 | 640.6 | 607.9 | 576.9 | 548.5 | 520.0 |
| 132.5° | 810.2 | 787.8 | 762.0 | 732.7 | 717.2 | 700.9 | 670.7 | 641.4 | 612.2 | 585.5 | 557.9 |
| 135° | 835.2 | 811.1 | 785.2 | 756.8 | 743.0 | 728.4 | 699.1 | 669.9 | 644.9 | 619.1 | 593.2 |
| 137.5° | 857.6 | 830.9 | 805.9 | 779.2 | 766.3 | 752.5 | 725.0 | 698.3 | 675.0 | 649.2 | 625.1 |
| 140° | 875.6 | 848.9 | 825.7 | 799.0 | 787.8 | 775.8 | 749.1 | 724.1 | 703.4 | 681.1 | 656.9 |
| 142.5° | 890.3 | 864.4 | 842.9 | 818.8 | 808.5 | 796.4 | 771.5 | 749.9 | 731.0 | 709.5 | 686.2 |
| 145° | 902.3 | 879.1 | 858.4 | 836.0 | 826.6 | 816.2 | 793.0 | 774.0 | 755.1 | 735.3 | 713.8 |
| 147.5° | 914.4 | 892.0 | 873.9 | 853.3 | 844.6 | 835.2 | 812.8 | 796.4 | 779.2 | 760.3 | 740.5 |
| 150° | 923.9 | 904.1 | 886.0 | 867.9 | 859.3 | 850.7 | 830.9 | 814.5 | 800.7 | 783.5 | 765.4 |
| 152.5° | 930.7 | 914.4 | 898.0 | 881.7 | 873.1 | 865.3 | 848.9 | 834.3 | 822.3 | 805.9 | 788.7 |
| 155° | 935.9 | 922.1 | 907.5 | 893.7 | 886.0 | 879.1 | 863.6 | 851.5 | 839.5 | 825.7 | 809.3 |
| 157.5° | 940.2 | 928.2 | 915.2 | 901.5 | 896.3 | 889.4 | 875.6 | 866.2 | 855.8 | 843.8 | 829.1 |
| 160° | 942.8 | 933.3 | 920.4 | 910.1 | 904.9 | 899.7 | 886.8 | 878.2 | 870.5 | 860.1 | 846.4 |
| 162.5° | 943.7 | 935.0 | 924.7 | 916.1 | 911.8 | 906.6 | 895.4 | 889.4 | 881.7 | 873.1 | 860.1 |
| 165° | 942.8 | 936.8 | 927.3 | 920.4 | 917.0 | 911.8 | 903.2 | 898.0 | 892.9 | 885.1 | 873.9 |
| 167.5° | 941.1 | 935.0 | 929.0 | 923.0 | 919.5 | 916.1 | 909.2 | 905.8 | 901.5 | 896.3 | 886.8 |
| 170° | 937.6 | 934.2 | 928.2 | 924.7 | 922.1 | 918.7 | 912.7 | 910.9 | 909.2 | 904.1 | 896.3 |
| 172.5° | 932.5 | 929.9 | 925.6 | 923.0 | 921.3 | 918.7 | 914.4 | 914.4 | 913.5 | 910.1 | 903.2 |
| 175° | 924.7 | 923.9 | 920.4 | 919.5 | 918.7 | 916.1 | 914.4 | 915.2 | 916.1 | 914.4 | 909.2 |
| 177.5° | 916.1 | 917.0 | 914.4 | 915.2 | 914.4 | 912.7 | 912.7 | 915.2 | 917.0 | 917.0 | 913.5 |
| 180° | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 |
| 2.5° | 333.2 | 331.5 | 330.6 | 331.5 | 330.6 | 329.8 | 329.8 | 330.6 | 332.3 | 334.1 | 332.3 |
| 5° | 331.5 | 329.8 | 329.8 | 329.8 | 329.8 | 328.9 | 328.9 | 328.9 | 330.6 | 333.2 | 330.6 |
| 7.5° | 328.9 | 327.2 | 327.2 | 327.2 | 327.2 | 326.3 | 326.3 | 326.3 | 328.0 | 329.8 | 328.0 |
| 10° | 325.5 | 324.6 | 323.7 | 323.7 | 323.7 | 322.9 | 322.0 | 322.9 | 324.6 | 326.3 | 323.7 |
| 12.5° | 321.2 | 320.3 | 319.4 | 319.4 | 319.4 | 318.6 | 318.6 | 318.6 | 320.3 | 321.2 | 319.4 |
| 15° | 316.0 | 315.1 | 314.3 | 315.1 | 314.3 | 313.4 | 313.4 | 313.4 | 315.1 | 316.0 | 314.3 |
| 17.5° | 310.0 | 309.1 | 308.2 | 308.2 | 308.2 | 306.5 | 306.5 | 306.5 | 309.1 | 309.1 | 307.4 |
| 20° | 303.1 | 301.4 | 301.4 | 301.4 | 300.5 | 299.6 | 299.6 | 299.6 | 301.4 | 301.4 | 299.6 |
| 22.5° | 296.2 | 295.3 | 293.6 | 293.6 | 293.6 | 292.7 | 291.9 | 291.9 | 294.5 | 292.7 | 291.9 |
| 25° | 288.4 | 286.7 | 285.9 | 285.9 | 285.0 | 284.1 | 283.3 | 283.3 | 285.9 | 284.1 | 282.4 |
| 27.5° | 279.0 | 278.1 | 277.2 | 277.2 | 276.4 | 274.7 | 274.7 | 274.7 | 277.2 | 274.7 | 273.8 |
| 30° | 270.4 | 269.5 | 268.6 | 268.6 | 267.8 | 266.0 | 266.0 | 266.9 | 268.6 | 266.0 | 265.2 |
| 32.5° | 260.9 | 260.0 | 258.3 | 258.3 | 257.4 | 256.6 | 256.6 | 257.4 | 258.3 | 255.7 | 254.9 |
| 35° | 250.6 | 249.7 | 248.8 | 248.8 | 248.0 | 247.1 | 247.1 | 248.0 | 248.0 | 245.4 | 244.5 |
| 37.5° | 240.2 | 239.4 | 238.5 | 237.6 | 236.8 | 236.8 | 236.8 | 237.6 | 236.8 | 235.1 | 233.3 |
| 40° | 229.9 | 229.0 | 227.3 | 227.3 | 226.4 | 225.6 | 225.6 | 227.3 | 225.6 | 223.9 | 221.3 |
| 42.5° | 217.0 | 216.1 | 214.4 | 214.4 | 213.5 | 213.5 | 214.4 | 215.3 | 213.5 | 211.8 | 210.1 |
| 45° | 205.8 | 204.9 | 204.1 | 204.1 | 203.2 | 203.2 | 203.2 | 203.2 | 202.3 | 201.5 | 199.8 |
| 47.5° | 194.6 | 193.7 | 192.9 | 192.9 | 192.9 | 192.0 | 192.0 | 192.0 | 191.1 | 189.4 | 188.6 |
| 50° | 183.4 | 182.5 | 181.7 | 181.7 | 180.8 | 179.9 | 180.8 | 179.9 | 179.9 | 178.2 | 176.5 |
| 52.5° | 171.3 | 170.5 | 170.5 | 169.6 | 170.5 | 169.6 | 168.8 | 168.8 | 167.9 | 166.2 | 165.3 |
| 55° | 159.3 | 159.3 | 158.4 | 158.4 | 158.4 | 157.6 | 157.6 | 156.7 | 156.7 | 155.0 | 153.3 |
| 57.5° | 148.1 | 147.2 | 147.2 | 147.2 | 147.2 | 145.5 | 145.5 | 144.6 | 144.6 | 142.9 | 142.1 |
| 60° | 136.0 | 135.2 | 135.2 | 135.2 | 135.2 | 134.3 | 133.5 | 133.5 | 131.7 | 130.9 | 130.0 |
| 62.5° | 124.0 | 123.1 | 123.1 | 123.1 | 123.1 | 122.3 | 121.4 | 121.4 | 119.7 | 118.8 | 118.0 |
| 65° | 111.9 | 111.1 | 111.1 | 111.1 | 111.1 | 110.2 | 109.3 | 109.3 | 107.6 | 106.8 | 106.8 |
| 67.5° | 99.9 | 99.0 | 99.0 | 99.0 | 99.0 | 98.2 | 97.3 | 97.3 | 95.6 | 95.6 | 94.7 |
| 70° | 87.8 | 87.8 | 87.8 | 87.0 | 87.0 | 86.1 | 85.2 | 85.2 | 83.5 | 83.5 | 82.7 |
| 72.5° | 75.8 | 75.8 | 74.9 | 74.0 | 74.9 | 74.9 | 73.2 | 73.2 | 72.3 | 72.3 | 71.5 |
| 75° | 63.7 | 63.7 | 62.9 | 62.9 | 62.9 | 62.0 | 61.1 | 61.1 | 60.3 | 60.3 | 59.4 |
| 77.5° | 51.7 | 51.7 | 50.8 | 50.8 | 51.7 | 50.8 | 49.9 | 49.9 | 49.1 | 49.1 | 48.2 |
| 80° | 39.6 | 40.5 | 39.6 | 40.5 | 39.6 | 39.6 | 38.7 | 37.9 | 37.9 | 37.9 | 37.0 |
| 82.5° | 28.4 | 29.3 | 28.4 | 29.3 | 28.4 | 28.4 | 27.6 | 26.7 | 25.8 | 25.8 | 25.0 |
| 85° | 18.1 | 18.1 | 17.2 | 18.1 | 17.2 | 17.2 | 16.4 | 15.5 | 14.6 | 14.6 | 14.6 |
| 87.5° | 7.7 | 7.7 | 6.9 | 7.7 | 6.9 | 6.9 | 6.0 | 6.0 | 5.2 | 5.2 | 5.2 |
| 90° | 1.7 | 2.6 | 3.4 | 3.4 | 3.4 | 3.4 | 4.3 | 4.3 | 4.3 | 4.3 | 5.2 |
| 92.5° | 11.2 | 14.6 | 16.4 | 16.4 | 15.5 | 16.4 | 17.2 | 16.4 | 16.4 | 15.5 | 15.5 |
| 95° | 19.8 | 22.4 | 26.7 | 29.3 | 31.9 | 35.3 | 37.0 | 36.2 | 36.2 | 34.4 | 34.4 |
| 97.5° | 30.1 | 33.6 | 37.0 | 36.2 | 37.0 | 42.2 | 46.5 | 50.8 | 53.4 | 55.1 | 56.0 |
| 100° | 47.4 | 45.6 | 48.2 | 50.8 | 51.7 | 50.8 | 52.5 | 56.8 | 61.1 | 62.9 | 66.3 |
| 102.5° | 68.0 | 62.9 | 61.1 | 62.0 | 63.7 | 69.7 | 67.2 | 68.0 | 68.9 | 70.6 | 74.9 |
| 105° | 93.0 | 84.4 | 80.1 | 79.2 | 78.4 | 80.9 | 87.0 | 88.7 | 85.2 | 84.4 | 86.1 |
| 107.5° | 123.1 | 110.2 | 103.3 | 99.9 | 98.2 | 98.2 | 99.9 | 105.0 | 109.3 | 107.6 | 105.9 |
| 110° | 159.3 | 140.3 | 130.0 | 124.0 | 119.7 | 117.1 | 118.0 | 119.7 | 124.0 | 128.3 | 131.7 |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 198.9 | 175.6 | 159.3 | 152.4 | 146.4 | 138.6 | 136.9 | 136.9 | 138.6 | 142.9 | 147.2 |
| 115° | 242.8 | 214.4 | 193.7 | 184.3 | 177.4 | 164.5 | 158.4 | 155.0 | 155.8 | 156.7 | 160.1 |
| 117.5° | 286.7 | 257.4 | 233.3 | 221.3 | 211.8 | 195.4 | 183.4 | 177.4 | 174.8 | 173.9 | 175.6 |
| 120° | 328.9 | 301.4 | 275.5 | 262.6 | 250.6 | 230.7 | 214.4 | 201.5 | 196.3 | 192.0 | 191.1 |
| 122.5° | 370.2 | 343.5 | 316.8 | 303.1 | 291.0 | 269.5 | 253.1 | 235.9 | 223.9 | 214.4 | 209.2 |
| 125° | 414.1 | 384.9 | 358.2 | 346.1 | 333.2 | 310.0 | 289.3 | 273.8 | 258.3 | 245.4 | 235.9 |
| 127.5° | 452.9 | 426.2 | 399.5 | 387.5 | 376.3 | 351.3 | 329.8 | 312.5 | 296.2 | 279.8 | 266.0 |
| 130° | 492.5 | 466.7 | 440.8 | 427.9 | 415.9 | 393.5 | 371.1 | 352.1 | 335.8 | 319.4 | 303.9 |
| 132.5° | 530.4 | 505.4 | 480.4 | 467.5 | 457.2 | 434.8 | 411.6 | 393.5 | 375.4 | 359.9 | 344.4 |
| 135° | 566.5 | 540.7 | 518.3 | 505.4 | 493.4 | 473.6 | 452.0 | 435.7 | 416.7 | 400.4 | 385.7 |
| 137.5° | 601.0 | 575.1 | 554.5 | 542.4 | 533.0 | 513.2 | 493.4 | 476.1 | 458.1 | 441.7 | 426.2 |
| 140° | 632.8 | 608.7 | 586.3 | 576.9 | 565.7 | 548.5 | 530.4 | 515.7 | 498.5 | 481.3 | 467.5 |
| 142.5° | 663.8 | 640.6 | 621.6 | 609.6 | 601.0 | 582.9 | 565.7 | 553.6 | 539.0 | 520.9 | 508.0 |
| 145° | 691.4 | 669.9 | 652.6 | 642.3 | 631.1 | 614.8 | 599.3 | 588.1 | 576.0 | 559.7 | 546.7 |
| 147.5° | 719.8 | 699.1 | 681.1 | 673.3 | 663.0 | 647.5 | 633.7 | 622.5 | 613.9 | 597.5 | 585.5 |
| 150° | 746.5 | 726.7 | 708.6 | 700.9 | 692.2 | 677.6 | 664.7 | 655.2 | 647.5 | 632.8 | 621.6 |
| 152.5° | 771.5 | 751.7 | 736.2 | 728.4 | 719.8 | 706.9 | 694.0 | 684.5 | 680.2 | 665.6 | 654.4 |
| 155° | 793.0 | 774.9 | 761.1 | 755.1 | 746.5 | 732.7 | 721.5 | 712.9 | 708.6 | 696.5 | 687.1 |
| 157.5° | 813.6 | 795.6 | 783.5 | 778.3 | 770.6 | 757.7 | 748.2 | 738.7 | 736.2 | 726.7 | 716.4 |
| 160° | 831.7 | 816.2 | 805.9 | 800.7 | 793.8 | 780.9 | 772.3 | 764.6 | 762.0 | 755.1 | 745.6 |
| 162.5° | 848.1 | 834.3 | 825.7 | 819.7 | 813.6 | 804.2 | 794.7 | 787.8 | 786.1 | 781.8 | 771.5 |
| 165° | 863.6 | 850.7 | 842.1 | 837.8 | 833.4 | 824.0 | 815.4 | 810.2 | 808.5 | 805.9 | 795.6 |
| 167.5° | 877.4 | 865.3 | 857.6 | 855.0 | 849.8 | 842.1 | 835.2 | 830.0 | 829.1 | 828.3 | 818.8 |
| 170° | 887.7 | 877.4 | 872.2 | 867.9 | 865.3 | 858.4 | 852.4 | 848.1 | 848.1 | 848.9 | 839.5 |
| 172.5° | 897.2 | 888.6 | 883.4 | 880.8 | 878.2 | 872.2 | 867.9 | 863.6 | 865.3 | 867.0 | 859.3 |
| 175° | 904.1 | 897.2 | 892.9 | 891.1 | 889.4 | 884.2 | 880.8 | 879.1 | 880.8 | 884.2 | 876.5 |
| 177.5° | 909.2 | 904.1 | 901.5 | 900.6 | 898.9 | 895.4 | 893.7 | 892.0 | 895.4 | 899.7 | 892.9 |
| 180° | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0° | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 |
| 2.5° | 333.2 | 333.2 | 332.3 | 332.3 | 331.5 | 330.6 | 329.8 | 329.8 |
| 5° | 331.5 | 330.6 | 330.6 | 330.6 | 329.8 | 329.8 | 328.9 | 328.9 |
| 7.5° | 328.0 | 328.0 | 328.0 | 327.2 | 328.0 | 327.2 | 327.2 | 327.2 |
| 10° | 324.6 | 323.7 | 323.7 | 323.7 | 323.7 | 322.9 | 322.9 | 323.7 |
| 12.5° | 320.3 | 319.4 | 318.6 | 318.6 | 318.6 | 318.6 | 318.6 | 319.4 |
| 15° | 314.3 | 314.3 | 314.3 | 313.4 | 313.4 | 313.4 | 313.4 | 314.3 |
| 17.5° | 307.4 | 306.5 | 306.5 | 306.5 | 306.5 | 306.5 | 306.5 | 306.5 |
| 20° | 299.6 | 298.8 | 298.8 | 297.9 | 297.9 | 297.9 | 297.9 | 298.8 |
| 22.5° | 291.9 | 290.2 | 290.2 | 289.3 | 290.2 | 290.2 | 289.3 | 290.2 |
| 25° | 282.4 | 281.5 | 281.5 | 280.7 | 280.7 | 279.8 | 279.8 | 280.7 |
| 27.5° | 273.8 | 272.9 | 272.1 | 272.1 | 271.2 | 270.4 | 270.4 | 271.2 |
| 30° | 264.3 | 263.5 | 262.6 | 261.7 | 261.7 | 260.9 | 260.9 | 261.7 |
| 32.5° | 254.0 | 253.1 | 252.3 | 252.3 | 251.4 | 250.6 | 250.6 | 251.4 |
| 35° | 243.7 | 242.8 | 241.9 | 241.9 | 241.1 | 240.2 | 240.2 | 241.1 |
| 37.5° | 233.3 | 231.6 | 231.6 | 231.6 | 230.7 | 229.9 | 229.9 | 229.9 |
| 40° | 220.4 | 219.6 | 218.7 | 217.8 | 217.8 | 217.0 | 217.0 | 217.0 |
| 42.5° | 209.2 | 208.4 | 208.4 | 207.5 | 206.6 | 205.8 | 205.8 | 206.6 |
| 45° | 198.0 | 198.0 | 197.2 | 196.3 | 195.4 | 195.4 | 195.4 | 195.4 |
| 47.5° | 186.8 | 186.0 | 186.0 | 186.0 | 184.3 | 184.3 | 183.4 | 184.3 |
| 50° | 175.6 | 174.8 | 174.8 | 174.8 | 173.1 | 173.1 | 173.1 | 173.1 |
| 52.5° | 164.5 | 163.6 | 163.6 | 162.7 | 162.7 | 161.9 | 161.0 | 161.9 |
| 55° | 152.4 | 152.4 | 151.5 | 151.5 | 150.7 | 149.8 | 149.8 | 150.7 |
| 57.5° | 141.2 | 140.3 | 140.3 | 140.3 | 139.5 | 138.6 | 138.6 | 139.5 |
| 60° | 129.2 | 129.2 | 129.2 | 128.3 | 127.4 | 127.4 | 127.4 | 127.4 |
| 62.5° | 118.0 | 117.1 | 117.1 | 117.1 | 117.1 | 116.2 | 115.4 | 115.4 |
| 65° | 105.9 | 105.0 | 105.0 | 105.0 | 104.2 | 105.0 | 104.2 | 104.2 |
| 67.5° | 93.8 | 93.8 | 93.8 | 93.0 | 93.0 | 93.0 | 92.1 | 92.1 |
| 70° | 82.7 | 81.8 | 82.7 | 81.8 | 81.8 | 81.8 | 80.9 | 80.9 |
| 72.5° | 71.5 | 70.6 | 70.6 | 69.7 | 70.6 | 69.7 | 69.7 | 68.9 |
| 75° | 59.4 | 59.4 | 58.5 | 58.5 | 58.5 | 58.5 | 57.7 | 57.7 |
| 77.5° | 48.2 | 48.2 | 47.4 | 47.4 | 47.4 | 46.5 | 46.5 | 45.6 |
| 80° | 36.2 | 36.2 | 36.2 | 35.3 | 35.3 | 35.3 | 35.3 | 34.4 |
| 82.5° | 25.0 | 25.0 | 25.0 | 24.1 | 24.1 | 23.2 | 23.2 | 22.4 |
| 85° | 13.8 | 13.8 | 13.8 | 12.9 | 12.9 | 12.9 | 12.9 | 12.1 |
| 87.5° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 90° | 5.2 | 6.0 | 5.2 | 6.0 | 6.9 | 6.9 | 6.9 | 7.7 |
| 92.5° | 15.5 | 15.5 | 15.5 | 16.4 | 16.4 | 15.5 | 15.5 | 15.5 |
| 95° | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 33.6 | 33.6 | 33.6 |
| 97.5° | 56.8 | 56.8 | 56.8 | 57.7 | 56.8 | 55.1 | 55.1 | 55.1 |
| 100° | 68.0 | 69.7 | 70.6 | 71.5 | 72.3 | 73.2 | 73.2 | 73.2 |
| 102.5° | 78.4 | 79.2 | 80.1 | 80.9 | 81.8 | 81.8 | 81.8 | 81.8 |
| 105° | 87.8 | 88.7 | 88.7 | 89.5 | 92.1 | 93.8 | 94.7 | 94.7 |
| 107.5° | 105.0 | 105.0 | 105.0 | 105.9 | 105.9 | 105.9 | 105.9 | 105.9 |
| 110° | 133.5 | 129.2 | 128.3 | 124.8 | 125.7 | 124.8 | 124.8 | 124.8 |



TEST NUMBER: P303219

CATALOG NUMBER: CTW-F-7525-40L935-UNV-STD-4

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 151.5 | 154.1 | 155.0 | 155.8 | 155.8 | 155.0 | 153.3 | 152.4 |
| 115° | 165.3 | 167.9 | 169.6 | 169.6 | 172.2 | 173.9 | 173.9 | 173.9 |
| 117.5° | 178.2 | 180.8 | 181.7 | 183.4 | 185.1 | 186.8 | 187.7 | 187.7 |
| 120° | 192.0 | 194.6 | 194.6 | 196.3 | 197.2 | 198.9 | 199.8 | 199.8 |
| 122.5° | 207.5 | 209.2 | 209.2 | 209.2 | 210.9 | 210.9 | 211.8 | 211.8 |
| 125° | 230.7 | 229.0 | 228.2 | 227.3 | 227.3 | 226.4 | 227.3 | 226.4 |
| 127.5° | 257.4 | 253.1 | 250.6 | 248.0 | 246.2 | 243.7 | 243.7 | 242.8 |
| 130° | 290.2 | 285.0 | 279.0 | 276.4 | 272.1 | 269.5 | 267.8 | 266.0 |
| 132.5° | 329.8 | 322.9 | 316.8 | 312.5 | 306.5 | 301.4 | 298.8 | 297.0 |
| 135° | 372.8 | 361.6 | 354.7 | 352.1 | 345.3 | 339.2 | 337.5 | 335.8 |
| 137.5° | 413.3 | 402.9 | 396.9 | 394.3 | 387.5 | 381.4 | 378.8 | 377.1 |
| 140° | 452.9 | 442.6 | 435.7 | 434.8 | 427.9 | 422.8 | 421.0 | 419.3 |
| 142.5° | 493.4 | 484.7 | 477.0 | 474.4 | 468.4 | 464.9 | 461.5 | 460.6 |
| 145° | 533.0 | 523.5 | 516.6 | 514.9 | 508.9 | 504.5 | 502.0 | 500.2 |
| 147.5° | 572.6 | 564.0 | 557.1 | 555.3 | 549.3 | 545.9 | 542.4 | 540.7 |
| 150° | 610.4 | 600.1 | 595.8 | 594.1 | 588.1 | 585.5 | 582.0 | 580.3 |
| 152.5° | 645.8 | 636.3 | 632.8 | 630.3 | 625.9 | 620.8 | 619.9 | 618.2 |
| 155° | 677.6 | 669.0 | 666.4 | 663.8 | 659.5 | 656.9 | 656.1 | 655.2 |
| 157.5° | 709.5 | 701.7 | 698.3 | 695.7 | 692.2 | 689.7 | 688.8 | 689.7 |
| 160° | 740.5 | 732.7 | 730.1 | 728.4 | 723.2 | 721.5 | 721.5 | 721.5 |
| 162.5° | 768.0 | 762.0 | 759.4 | 757.7 | 755.1 | 752.5 | 750.8 | 751.7 |
| 165° | 793.0 | 787.8 | 786.1 | 783.5 | 780.9 | 780.1 | 779.2 | 779.2 |
| 167.5° | 816.2 | 811.1 | 809.3 | 806.8 | 805.9 | 804.2 | 803.3 | 805.0 |
| 170° | 838.6 | 833.4 | 832.6 | 830.0 | 828.3 | 827.4 | 825.7 | 828.3 |
| 172.5° | 858.4 | 855.0 | 853.3 | 851.5 | 851.5 | 850.7 | 849.8 | 851.5 |
| 175° | 876.5 | 873.9 | 872.2 | 869.6 | 870.5 | 869.6 | 869.6 | 871.3 |
| 177.5° | 893.7 | 892.0 | 890.3 | 889.4 | 888.6 | 886.8 | 885.1 | 886.0 |
| 180° | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 | 907.5 |

(END OF REPORT)