

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: P303093

Luminaire Tested: **CTW-F-2575-40L840-UNV-STD-8**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-181-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTW-F-2575-40L840-UNV-STD-8
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

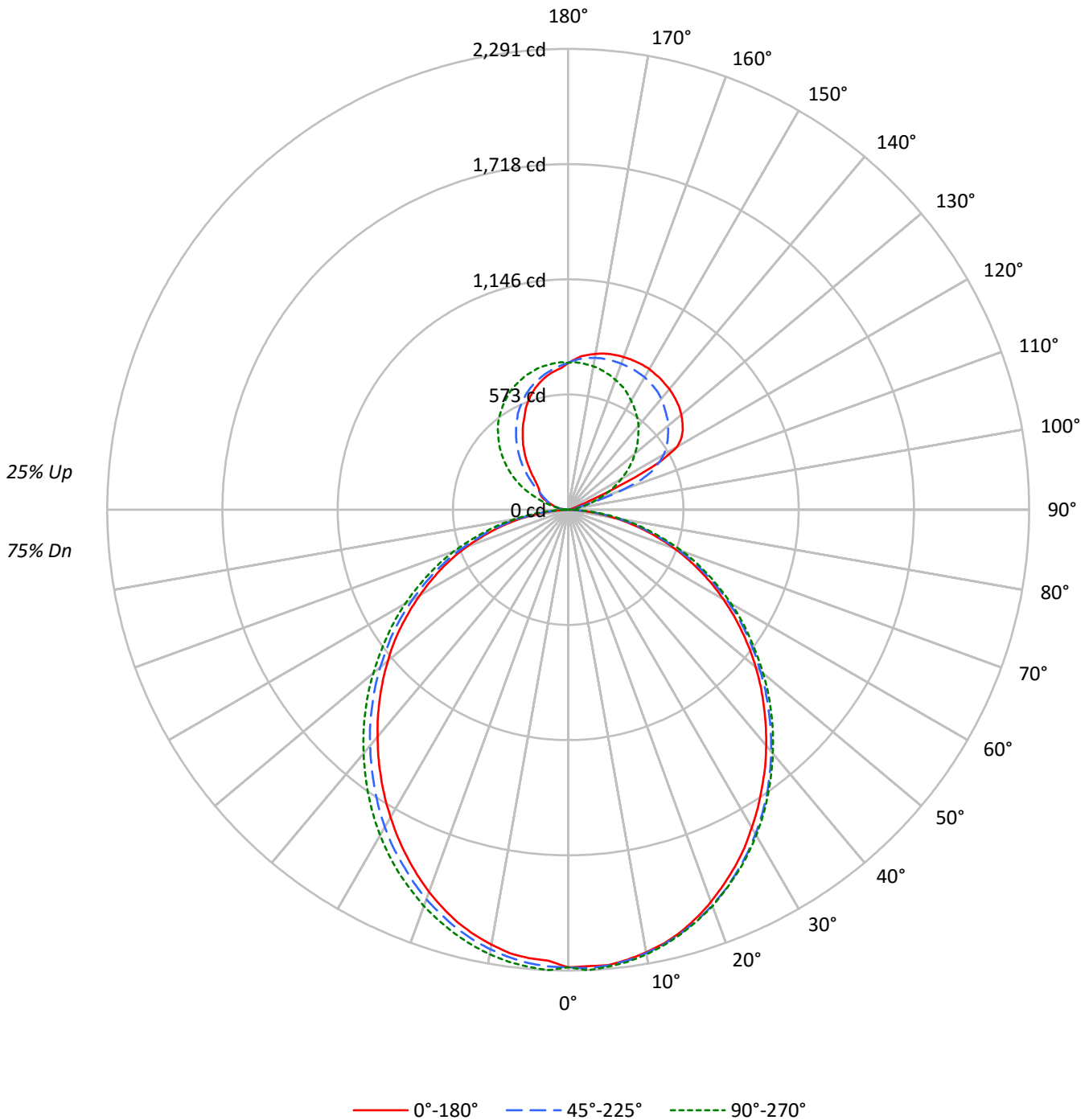
Lumens per Lamp: N/A
Luminaire Lumens: 8139.6 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular (W 8' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 68.5
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: P303093
CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

Luminous Intensity Polar Plot





TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 88 | 88 | 88 | 79 | 79 | 79 | 75 |
| 1 | 103 | 99 | 94 | 91 | 98 | 94 | 90 | 87 | 85 | 82 | 80 | 77 | 75 | 73 | 69 | 68 | 66 | 63 |
| 2 | 94 | 86 | 79 | 74 | 89 | 82 | 76 | 71 | 74 | 70 | 66 | 67 | 64 | 61 | 61 | 58 | 56 | 52 |
| 3 | 86 | 76 | 68 | 62 | 81 | 72 | 65 | 59 | 66 | 60 | 55 | 59 | 55 | 51 | 54 | 50 | 47 | 44 |
| 4 | 78 | 67 | 58 | 52 | 74 | 64 | 56 | 50 | 58 | 52 | 47 | 53 | 48 | 44 | 48 | 44 | 41 | 38 |
| 5 | 72 | 60 | 51 | 45 | 68 | 57 | 49 | 43 | 52 | 46 | 41 | 48 | 42 | 38 | 43 | 39 | 35 | 33 |
| 6 | 66 | 54 | 45 | 39 | 63 | 51 | 44 | 38 | 47 | 40 | 36 | 43 | 38 | 33 | 39 | 35 | 31 | 29 |
| 7 | 61 | 49 | 40 | 34 | 58 | 47 | 39 | 33 | 43 | 36 | 31 | 39 | 34 | 29 | 36 | 31 | 28 | 25 |
| 8 | 57 | 44 | 36 | 30 | 54 | 42 | 35 | 30 | 39 | 33 | 28 | 36 | 30 | 26 | 33 | 28 | 25 | 23 |
| 9 | 53 | 40 | 33 | 27 | 51 | 39 | 32 | 27 | 36 | 30 | 25 | 33 | 28 | 24 | 30 | 26 | 22 | 20 |
| 10 | 50 | 37 | 30 | 25 | 47 | 36 | 29 | 24 | 33 | 27 | 23 | 31 | 25 | 22 | 28 | 24 | 20 | 18 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 24487 | 24487 | 24487 |
| 5° | 24559 | 24646 | 24184 |
| 10° | 24420 | 24530 | 23996 |
| 15° | 24193 | 24306 | 23670 |
| 20° | 23771 | 24027 | 23164 |
| 25° | 23266 | 23654 | 22563 |
| 30° | 22676 | 23234 | 21941 |
| 35° | 22072 | 22742 | 21321 |
| 40° | 21511 | 22226 | 20709 |
| 45° | 20914 | 21721 | 20139 |
| 50° | 20379 | 21163 | 19594 |
| 55° | 19778 | 20619 | 19012 |
| 60° | 19177 | 20144 | 18344 |
| 65° | 18483 | 19573 | 17704 |
| 70° | 17643 | 18990 | 16809 |
| 75° | 16361 | 17887 | 15513 |
| 80° | 14406 | 16681 | 13650 |
| 85° | 9818 | 14351 | 8312 |



TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 214.7 | 2.6 |
| 10°-20° | 608.2 | 7.5 |
| 20°-30° | 901.0 | 11.1 |
| 30°-40° | 1057.1 | 13.0 |
| 40°-50° | 1071.3 | 13.2 |
| 50°-60° | 954.9 | 11.7 |
| 60°-70° | 731.4 | 9.0 |
| 70°-80° | 429.0 | 5.3 |
| 80°-90° | 112.7 | 1.4 |
| 90°-100° | 21.0 | 0.3 |
| 100°-110° | 91.0 | 1.1 |
| 110°-120° | 253.1 | 3.1 |
| 120°-130° | 361.3 | 4.4 |
| 130°-140° | 388.6 | 4.8 |
| 140°-150° | 370.0 | 4.5 |
| 150°-160° | 304.8 | 3.7 |
| 160°-170° | 200.0 | 2.5 |
| 170°-180° | 69.3 | 0.9 |
| 0°-30° | 1724.0 | 21.2 |
| 0°-40° | 2781.0 | 34.2 |
| 0°-60° | 4807.2 | 59.1 |
| 0°-90° | 6080.3 | 74.7 |
| 90°-120° | 365.1 | 4.5 |
| 90°-150° | 1485.1 | 18.2 |
| 90°-180° | 2059.0 | 25.3 |
| 0°-180° | 8139.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 2275 | 2275 | 2275 | 2275 | 2275 | |
| 5° | 2273 | 2275 | 2281 | 2263 | 2238 | 216 |
| 15° | 2171 | 2177 | 2181 | 2153 | 2124 | 611 |
| 25° | 1959 | 1986 | 1992 | 1947 | 1900 | 902 |
| 35° | 1680 | 1722 | 1731 | 1680 | 1623 | 1052 |
| 45° | 1374 | 1409 | 1427 | 1378 | 1323 | 1061 |
| 55° | 1054 | 1084 | 1099 | 1060 | 1013 | 943 |
| 65° | 726 | 750 | 768 | 728 | 695 | 719 |
| 75° | 393 | 414 | 430 | 398 | 373 | 416 |
| 85° | 80 | 98 | 116 | 84 | 67 | 98 |
| 90° | 2 | 2 | 2 | 4 | 6 | 3 |
| 95° | 6 | 6 | 16 | 26 | 22 | 6 |
| 105° | 24 | 65 | 98 | 71 | 78 | 28 |
| 115° | 283 | 465 | 236 | 126 | 141 | 304 |
| 125° | 695 | 603 | 371 | 204 | 177 | 618 |
| 135° | 762 | 685 | 489 | 326 | 259 | 589 |
| 145° | 797 | 744 | 587 | 452 | 389 | 499 |
| 155° | 809 | 768 | 662 | 565 | 514 | 374 |
| 165° | 801 | 773 | 707 | 650 | 628 | 227 |
| 175° | 766 | 754 | 732 | 709 | 695 | 74 |
| 180° | 730 | 730 | 730 | 730 | 730 | |



TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 |
| 2.5° | 2270.8 | 2268.8 | 2270.8 | 2268.8 | 2274.9 | 2274.9 | 2274.9 | 2272.9 | 2277.0 | 2285.1 | 2281.0 |
| 5° | 2272.9 | 2270.8 | 2268.8 | 2262.7 | 2266.8 | 2266.8 | 2266.8 | 2264.7 | 2268.8 | 2279.0 | 2274.9 |
| 7.5° | 2256.6 | 2256.6 | 2254.5 | 2250.5 | 2254.5 | 2254.5 | 2252.5 | 2250.5 | 2254.5 | 2262.7 | 2260.7 |
| 10° | 2234.2 | 2232.1 | 2230.1 | 2226.0 | 2232.1 | 2232.1 | 2232.1 | 2230.1 | 2234.2 | 2244.3 | 2238.2 |
| 12.5° | 2207.7 | 2203.6 | 2201.5 | 2197.5 | 2203.6 | 2203.6 | 2203.6 | 2201.5 | 2205.6 | 2215.8 | 2211.7 |
| 15° | 2171.0 | 2168.9 | 2168.9 | 2166.9 | 2173.0 | 2173.0 | 2173.0 | 2168.9 | 2173.0 | 2181.2 | 2177.1 |
| 17.5° | 2126.1 | 2124.1 | 2128.2 | 2126.1 | 2130.2 | 2130.2 | 2130.2 | 2126.1 | 2128.2 | 2140.4 | 2138.3 |
| 20° | 2075.2 | 2073.1 | 2073.1 | 2071.1 | 2077.2 | 2077.2 | 2079.2 | 2075.2 | 2081.3 | 2093.5 | 2093.5 |
| 22.5° | 2018.1 | 2018.1 | 2020.1 | 2018.1 | 2022.2 | 2024.2 | 2022.2 | 2020.1 | 2026.2 | 2038.5 | 2042.5 |
| 25° | 1959.0 | 1956.9 | 1956.9 | 1961.0 | 1963.0 | 1965.1 | 1965.1 | 1963.0 | 1967.1 | 1979.3 | 1985.5 |
| 27.5° | 1895.8 | 1891.7 | 1895.8 | 1895.8 | 1899.8 | 1901.9 | 1903.9 | 1903.9 | 1908.0 | 1916.2 | 1926.3 |
| 30° | 1824.4 | 1824.4 | 1826.5 | 1828.5 | 1828.5 | 1834.6 | 1836.7 | 1836.7 | 1840.7 | 1850.9 | 1861.1 |
| 32.5° | 1755.1 | 1753.1 | 1757.2 | 1759.2 | 1761.2 | 1765.3 | 1765.3 | 1767.3 | 1769.4 | 1779.6 | 1793.8 |
| 35° | 1679.7 | 1681.7 | 1681.7 | 1685.8 | 1689.9 | 1691.9 | 1694.0 | 1691.9 | 1698.0 | 1704.2 | 1722.5 |
| 37.5° | 1608.3 | 1606.3 | 1606.3 | 1608.3 | 1614.5 | 1616.5 | 1618.5 | 1618.5 | 1622.6 | 1630.8 | 1647.1 |
| 40° | 1530.9 | 1528.8 | 1532.9 | 1535.0 | 1537.0 | 1541.1 | 1541.1 | 1545.2 | 1551.3 | 1557.4 | 1569.6 |
| 42.5° | 1453.4 | 1451.4 | 1455.5 | 1457.5 | 1461.6 | 1463.6 | 1463.6 | 1467.7 | 1473.8 | 1482.0 | 1490.1 |
| 45° | 1373.9 | 1371.9 | 1376.0 | 1378.0 | 1382.1 | 1384.1 | 1384.1 | 1390.2 | 1396.3 | 1400.4 | 1408.6 |
| 47.5° | 1296.5 | 1294.4 | 1296.5 | 1300.5 | 1304.6 | 1306.7 | 1306.7 | 1310.7 | 1314.8 | 1323.0 | 1329.1 |
| 50° | 1217.0 | 1212.9 | 1217.0 | 1219.0 | 1223.1 | 1221.0 | 1225.1 | 1229.2 | 1237.3 | 1245.5 | 1245.5 |
| 52.5° | 1135.4 | 1131.3 | 1135.4 | 1137.5 | 1141.5 | 1143.6 | 1143.6 | 1145.6 | 1155.8 | 1161.9 | 1166.0 |
| 55° | 1053.9 | 1051.8 | 1053.9 | 1055.9 | 1060.0 | 1064.1 | 1062.0 | 1068.2 | 1072.2 | 1080.4 | 1084.5 |
| 57.5° | 972.3 | 970.3 | 972.3 | 974.4 | 978.5 | 980.5 | 980.5 | 986.6 | 988.7 | 994.8 | 1005.0 |
| 60° | 890.8 | 886.7 | 890.8 | 892.8 | 896.9 | 896.9 | 899.0 | 901.0 | 907.1 | 915.3 | 919.3 |
| 62.5° | 809.3 | 809.3 | 809.3 | 809.3 | 813.3 | 813.3 | 819.5 | 821.5 | 821.5 | 829.7 | 835.8 |
| 65° | 725.7 | 725.7 | 725.7 | 725.7 | 729.8 | 733.8 | 731.8 | 737.9 | 740.0 | 746.1 | 750.2 |
| 67.5° | 644.2 | 642.1 | 644.2 | 644.2 | 648.2 | 650.3 | 650.3 | 654.3 | 656.4 | 658.4 | 668.6 |
| 70° | 560.6 | 562.6 | 560.6 | 560.6 | 560.6 | 564.7 | 568.7 | 570.8 | 572.8 | 574.8 | 581.0 |
| 72.5° | 475.0 | 472.9 | 475.0 | 475.0 | 475.0 | 479.0 | 481.1 | 485.2 | 485.2 | 489.2 | 493.3 |
| 75° | 393.4 | 393.4 | 395.5 | 393.4 | 393.4 | 399.5 | 399.5 | 403.6 | 403.6 | 407.7 | 413.8 |
| 77.5° | 311.9 | 316.0 | 313.9 | 313.9 | 313.9 | 318.0 | 318.0 | 322.1 | 324.1 | 326.2 | 332.3 |
| 80° | 232.4 | 236.5 | 234.4 | 234.4 | 234.4 | 236.5 | 238.5 | 242.6 | 242.6 | 246.7 | 250.7 |
| 82.5° | 154.9 | 154.9 | 157.0 | 157.0 | 157.0 | 159.0 | 163.1 | 165.1 | 165.1 | 169.2 | 173.3 |
| 85° | 79.5 | 85.6 | 83.6 | 83.6 | 83.6 | 85.6 | 87.7 | 89.7 | 91.7 | 93.8 | 97.8 |
| 87.5° | 16.3 | 18.3 | 18.3 | 16.3 | 20.4 | 18.3 | 20.4 | 22.4 | 22.4 | 24.5 | 28.5 |
| 90° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 92.5° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 95° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 97.5° | 8.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 10.2 | 12.2 |
| 100° | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 14.3 | 14.3 | 14.3 | 14.3 | 16.3 | 18.3 |
| 102.5° | 16.3 | 16.3 | 18.3 | 18.3 | 18.3 | 18.3 | 18.3 | 20.4 | 22.4 | 24.5 | 32.6 |
| 105° | 24.5 | 22.4 | 24.5 | 24.5 | 24.5 | 26.5 | 26.5 | 30.6 | 34.7 | 44.8 | 65.2 |
| 107.5° | 32.6 | 32.6 | 32.6 | 34.7 | 36.7 | 40.8 | 42.8 | 51.0 | 69.3 | 97.8 | 150.8 |
| 110° | 51.0 | 48.9 | 53.0 | 57.1 | 69.3 | 75.4 | 85.6 | 116.2 | 165.1 | 224.2 | 287.4 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 108.0 | 106.0 | 120.3 | 134.5 | 161.0 | 185.5 | 218.1 | 279.3 | 342.5 | 381.2 | 397.5 |
| 115° | 283.3 | 277.2 | 295.6 | 332.3 | 379.2 | 403.6 | 426.0 | 456.6 | 475.0 | 475.0 | 464.8 |
| 117.5° | 511.7 | 503.5 | 523.9 | 534.1 | 544.3 | 552.4 | 552.4 | 552.4 | 544.3 | 530.0 | 509.6 |
| 120° | 625.8 | 619.7 | 621.7 | 617.7 | 613.6 | 609.5 | 605.4 | 597.3 | 583.0 | 566.7 | 548.3 |
| 122.5° | 668.6 | 666.6 | 662.5 | 656.4 | 650.3 | 644.2 | 640.1 | 629.9 | 615.6 | 597.3 | 578.9 |
| 125° | 695.1 | 693.1 | 689.0 | 682.9 | 674.7 | 670.7 | 666.6 | 654.3 | 640.1 | 623.8 | 603.4 |
| 127.5° | 715.5 | 715.5 | 709.4 | 705.3 | 697.2 | 693.1 | 687.0 | 676.8 | 662.5 | 644.2 | 625.8 |
| 130° | 733.8 | 733.8 | 727.7 | 725.7 | 715.5 | 713.5 | 707.3 | 695.1 | 680.8 | 664.5 | 648.2 |
| 132.5° | 750.2 | 748.1 | 746.1 | 742.0 | 733.8 | 729.8 | 725.7 | 715.5 | 699.2 | 682.9 | 668.6 |
| 135° | 762.4 | 760.3 | 758.3 | 754.2 | 746.1 | 744.0 | 740.0 | 729.8 | 713.5 | 699.2 | 684.9 |
| 137.5° | 772.6 | 772.6 | 768.5 | 766.5 | 758.3 | 756.3 | 752.2 | 742.0 | 727.7 | 715.5 | 703.3 |
| 140° | 782.8 | 782.8 | 778.7 | 776.7 | 768.5 | 766.5 | 764.4 | 754.2 | 740.0 | 729.8 | 719.6 |
| 142.5° | 788.9 | 790.9 | 786.8 | 784.8 | 776.7 | 774.6 | 772.6 | 762.4 | 752.2 | 742.0 | 733.8 |
| 145° | 797.0 | 797.0 | 793.0 | 790.9 | 786.8 | 784.8 | 780.7 | 772.6 | 762.4 | 752.2 | 744.0 |
| 147.5° | 801.1 | 803.2 | 799.1 | 797.0 | 793.0 | 790.9 | 786.8 | 778.7 | 768.5 | 760.3 | 752.2 |
| 150° | 807.2 | 807.2 | 803.2 | 801.1 | 797.0 | 795.0 | 793.0 | 784.8 | 774.6 | 768.5 | 760.3 |
| 152.5° | 809.3 | 809.3 | 805.2 | 803.2 | 799.1 | 797.0 | 795.0 | 786.8 | 778.7 | 772.6 | 764.4 |
| 155° | 809.3 | 809.3 | 807.2 | 803.2 | 801.1 | 799.1 | 795.0 | 788.9 | 780.7 | 776.7 | 768.5 |
| 157.5° | 809.3 | 807.2 | 807.2 | 803.2 | 801.1 | 797.0 | 795.0 | 786.8 | 782.8 | 778.7 | 770.5 |
| 160° | 807.2 | 807.2 | 805.2 | 801.1 | 801.1 | 797.0 | 795.0 | 788.9 | 782.8 | 780.7 | 772.6 |
| 162.5° | 805.2 | 803.2 | 803.2 | 799.1 | 799.1 | 797.0 | 793.0 | 788.9 | 782.8 | 780.7 | 772.6 |
| 165° | 801.1 | 799.1 | 799.1 | 795.0 | 795.0 | 793.0 | 790.9 | 782.8 | 780.7 | 778.7 | 772.6 |
| 167.5° | 795.0 | 793.0 | 790.9 | 786.8 | 786.8 | 784.8 | 782.8 | 776.7 | 774.6 | 774.6 | 770.5 |
| 170° | 786.8 | 782.8 | 780.7 | 778.7 | 778.7 | 776.7 | 774.6 | 770.5 | 770.5 | 770.5 | 766.5 |
| 172.5° | 776.7 | 772.6 | 772.6 | 770.5 | 768.5 | 768.5 | 766.5 | 762.4 | 762.4 | 762.4 | 760.3 |
| 175° | 766.5 | 762.4 | 760.3 | 758.3 | 760.3 | 758.3 | 756.3 | 754.2 | 754.2 | 756.3 | 754.2 |
| 177.5° | 748.1 | 744.0 | 746.1 | 746.1 | 746.1 | 746.1 | 744.0 | 744.0 | 744.0 | 744.0 | 744.0 |
| 180° | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 |
| 2.5° | 2266.8 | 2260.7 | 2260.7 | 2268.8 | 2270.8 | 2274.9 | 2279.0 | 2287.2 | 2291.2 | 2291.2 | 2289.2 |
| 5° | 2260.7 | 2254.5 | 2252.5 | 2260.7 | 2262.7 | 2266.8 | 2270.8 | 2279.0 | 2281.0 | 2281.0 | 2279.0 |
| 7.5° | 2246.4 | 2240.3 | 2238.2 | 2246.4 | 2248.4 | 2252.5 | 2254.5 | 2262.7 | 2266.8 | 2266.8 | 2262.7 |
| 10° | 2224.0 | 2217.8 | 2217.8 | 2226.0 | 2228.0 | 2230.1 | 2234.2 | 2240.3 | 2244.3 | 2244.3 | 2242.3 |
| 12.5° | 2197.5 | 2191.3 | 2189.3 | 2197.5 | 2199.5 | 2201.5 | 2205.6 | 2213.8 | 2215.8 | 2215.8 | 2211.7 |
| 15° | 2164.8 | 2156.7 | 2156.7 | 2164.8 | 2166.9 | 2168.9 | 2173.0 | 2179.1 | 2181.2 | 2181.2 | 2177.1 |
| 17.5° | 2124.1 | 2120.0 | 2115.9 | 2124.1 | 2126.1 | 2128.2 | 2130.2 | 2138.3 | 2142.4 | 2140.4 | 2136.3 |
| 20° | 2079.2 | 2073.1 | 2069.0 | 2079.2 | 2081.3 | 2083.3 | 2085.3 | 2093.5 | 2097.6 | 2097.6 | 2091.5 |
| 22.5° | 2030.3 | 2024.2 | 2020.1 | 2028.3 | 2032.3 | 2032.3 | 2036.4 | 2042.5 | 2046.6 | 2044.6 | 2040.5 |
| 25° | 1975.3 | 1967.1 | 1967.1 | 1973.2 | 1977.3 | 1977.3 | 1981.4 | 1987.5 | 1991.6 | 1991.6 | 1985.5 |
| 27.5° | 1916.2 | 1910.0 | 1906.0 | 1910.0 | 1916.2 | 1918.2 | 1922.3 | 1928.4 | 1932.5 | 1932.5 | 1926.3 |
| 30° | 1855.0 | 1848.9 | 1840.7 | 1846.8 | 1853.0 | 1855.0 | 1859.1 | 1867.2 | 1869.3 | 1869.3 | 1859.1 |
| 32.5° | 1789.8 | 1779.6 | 1777.5 | 1781.6 | 1785.7 | 1789.8 | 1793.8 | 1800.0 | 1800.0 | 1802.0 | 1795.9 |
| 35° | 1716.4 | 1712.3 | 1708.2 | 1712.3 | 1716.4 | 1718.4 | 1724.5 | 1730.7 | 1730.7 | 1730.7 | 1724.5 |
| 37.5° | 1645.0 | 1645.0 | 1636.9 | 1638.9 | 1643.0 | 1645.0 | 1653.2 | 1657.3 | 1659.3 | 1657.3 | 1655.2 |
| 40° | 1575.7 | 1569.6 | 1565.5 | 1565.5 | 1567.6 | 1573.7 | 1577.8 | 1581.8 | 1583.9 | 1581.8 | 1577.8 |
| 42.5° | 1500.3 | 1496.2 | 1490.1 | 1490.1 | 1492.2 | 1498.3 | 1506.4 | 1508.5 | 1506.4 | 1506.4 | 1498.3 |
| 45° | 1418.8 | 1418.8 | 1414.7 | 1414.7 | 1414.7 | 1420.8 | 1429.0 | 1431.0 | 1429.0 | 1426.9 | 1422.8 |
| 47.5° | 1337.2 | 1339.3 | 1339.3 | 1337.2 | 1337.2 | 1337.2 | 1345.4 | 1347.4 | 1349.5 | 1347.4 | 1343.3 |
| 50° | 1255.7 | 1257.7 | 1257.7 | 1257.7 | 1255.7 | 1261.8 | 1263.8 | 1267.9 | 1265.9 | 1263.8 | 1261.8 |
| 52.5° | 1170.1 | 1176.2 | 1176.2 | 1178.2 | 1178.2 | 1178.2 | 1186.4 | 1188.4 | 1182.3 | 1180.3 | 1178.2 |
| 55° | 1086.5 | 1094.7 | 1094.7 | 1096.7 | 1096.7 | 1096.7 | 1102.8 | 1106.9 | 1100.8 | 1098.7 | 1096.7 |
| 57.5° | 1005.0 | 1011.1 | 1011.1 | 1015.2 | 1019.2 | 1015.2 | 1019.2 | 1023.3 | 1017.2 | 1019.2 | 1015.2 |
| 60° | 921.4 | 925.5 | 927.5 | 931.6 | 933.6 | 933.6 | 937.7 | 941.8 | 933.6 | 935.7 | 933.6 |
| 62.5° | 841.9 | 841.9 | 843.9 | 848.0 | 850.0 | 848.0 | 852.1 | 858.2 | 850.0 | 852.1 | 850.0 |
| 65° | 752.2 | 758.3 | 758.3 | 762.4 | 764.4 | 764.4 | 768.5 | 772.6 | 766.5 | 768.5 | 762.4 |
| 67.5° | 668.6 | 672.7 | 674.7 | 680.8 | 684.9 | 682.9 | 684.9 | 689.0 | 684.9 | 687.0 | 680.8 |
| 70° | 585.0 | 589.1 | 589.1 | 591.2 | 597.3 | 599.3 | 601.3 | 603.4 | 601.3 | 603.4 | 599.3 |
| 72.5° | 497.4 | 499.4 | 501.5 | 503.5 | 509.6 | 509.6 | 511.7 | 513.7 | 519.8 | 515.7 | 515.7 |
| 75° | 413.8 | 417.9 | 417.9 | 424.0 | 428.1 | 428.1 | 430.1 | 432.2 | 436.2 | 430.1 | 430.1 |
| 77.5° | 332.3 | 336.3 | 336.3 | 342.5 | 344.5 | 344.5 | 348.6 | 350.6 | 352.7 | 350.6 | 350.6 |
| 80° | 252.8 | 254.8 | 256.8 | 258.9 | 263.0 | 265.0 | 267.0 | 269.1 | 271.1 | 269.1 | 271.1 |
| 82.5° | 177.3 | 177.3 | 179.4 | 181.4 | 185.5 | 187.5 | 189.6 | 191.6 | 193.7 | 191.6 | 193.7 |
| 85° | 99.9 | 104.0 | 104.0 | 110.1 | 112.1 | 112.1 | 114.2 | 116.2 | 118.2 | 116.2 | 118.2 |
| 87.5° | 30.6 | 34.7 | 36.7 | 38.7 | 42.8 | 42.8 | 46.9 | 48.9 | 48.9 | 46.9 | 48.9 |
| 90° | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 92.5° | 4.1 | 4.1 | 4.1 | 6.1 | 6.1 | 6.1 | 8.2 | 8.2 | 8.2 | 6.1 | 8.2 |
| 95° | 8.2 | 8.2 | 10.2 | 14.3 | 18.3 | 20.4 | 24.5 | 24.5 | 20.4 | 16.3 | 16.3 |
| 97.5° | 14.3 | 16.3 | 24.5 | 34.7 | 38.7 | 44.8 | 48.9 | 44.8 | 36.7 | 30.6 | 28.5 |
| 100° | 24.5 | 32.6 | 51.0 | 71.3 | 77.5 | 83.6 | 81.5 | 71.3 | 59.1 | 48.9 | 42.8 |
| 102.5° | 44.8 | 69.3 | 104.0 | 124.3 | 128.4 | 128.4 | 118.2 | 101.9 | 85.6 | 71.3 | 63.2 |
| 105° | 99.9 | 142.7 | 181.4 | 185.5 | 183.5 | 177.3 | 159.0 | 138.6 | 118.2 | 97.8 | 87.7 |
| 107.5° | 205.9 | 242.6 | 254.8 | 242.6 | 236.5 | 224.2 | 201.8 | 177.3 | 150.8 | 130.5 | 114.2 |
| 110° | 320.0 | 324.1 | 311.9 | 291.5 | 279.3 | 269.1 | 240.5 | 216.1 | 187.5 | 163.1 | 144.7 |



TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 397.5 | 383.2 | 360.8 | 336.3 | 324.1 | 309.8 | 283.3 | 254.8 | 224.2 | 197.7 | 177.3 |
| 115° | 448.5 | 426.0 | 401.6 | 375.1 | 362.8 | 350.6 | 322.1 | 291.5 | 260.9 | 236.5 | 212.0 |
| 117.5° | 487.2 | 462.7 | 438.3 | 411.8 | 399.5 | 387.3 | 356.7 | 328.2 | 295.6 | 271.1 | 246.7 |
| 120° | 519.8 | 497.4 | 470.9 | 446.4 | 434.2 | 422.0 | 391.4 | 362.8 | 332.3 | 305.8 | 279.3 |
| 122.5° | 556.5 | 534.1 | 501.5 | 479.0 | 466.8 | 452.5 | 424.0 | 395.5 | 364.9 | 338.4 | 311.9 |
| 125° | 583.0 | 560.6 | 536.1 | 507.6 | 495.3 | 481.1 | 452.5 | 426.0 | 397.5 | 371.0 | 346.5 |
| 127.5° | 609.5 | 587.1 | 564.7 | 538.2 | 523.9 | 507.6 | 481.1 | 454.6 | 428.1 | 403.6 | 377.1 |
| 130° | 631.9 | 611.5 | 589.1 | 564.7 | 550.4 | 538.2 | 507.6 | 481.1 | 456.6 | 432.2 | 409.7 |
| 132.5° | 654.3 | 634.0 | 609.5 | 587.1 | 572.8 | 562.6 | 538.2 | 509.6 | 485.2 | 462.7 | 438.3 |
| 135° | 670.7 | 652.3 | 627.8 | 603.4 | 593.2 | 583.0 | 560.6 | 538.2 | 511.7 | 489.2 | 466.8 |
| 137.5° | 689.0 | 668.6 | 644.2 | 621.7 | 611.5 | 603.4 | 583.0 | 560.6 | 540.2 | 515.7 | 493.3 |
| 140° | 703.3 | 682.9 | 660.5 | 638.0 | 629.9 | 621.7 | 603.4 | 583.0 | 564.7 | 544.3 | 519.8 |
| 142.5° | 715.5 | 695.1 | 672.7 | 652.3 | 646.2 | 638.0 | 619.7 | 603.4 | 585.0 | 566.7 | 546.3 |
| 145° | 727.7 | 705.3 | 684.9 | 668.6 | 660.5 | 652.3 | 638.0 | 621.7 | 605.4 | 587.1 | 568.7 |
| 147.5° | 737.9 | 715.5 | 697.2 | 680.8 | 674.7 | 668.6 | 652.3 | 638.0 | 623.8 | 607.5 | 589.1 |
| 150° | 746.1 | 725.7 | 709.4 | 695.1 | 689.0 | 682.9 | 666.6 | 654.3 | 642.1 | 625.8 | 609.5 |
| 152.5° | 750.2 | 731.8 | 717.5 | 705.3 | 701.2 | 695.1 | 682.9 | 670.7 | 658.4 | 644.2 | 629.9 |
| 155° | 754.2 | 737.9 | 725.7 | 715.5 | 711.4 | 707.3 | 695.1 | 684.9 | 674.7 | 662.5 | 646.2 |
| 157.5° | 756.3 | 744.0 | 731.8 | 723.7 | 719.6 | 715.5 | 705.3 | 697.2 | 687.0 | 674.7 | 662.5 |
| 160° | 760.3 | 748.1 | 735.9 | 729.8 | 727.7 | 723.7 | 713.5 | 707.3 | 699.2 | 687.0 | 676.8 |
| 162.5° | 760.3 | 750.2 | 740.0 | 735.9 | 733.8 | 731.8 | 721.6 | 715.5 | 709.4 | 699.2 | 689.0 |
| 165° | 762.4 | 752.2 | 744.0 | 740.0 | 737.9 | 735.9 | 729.8 | 723.7 | 717.5 | 707.3 | 701.2 |
| 167.5° | 760.3 | 752.2 | 746.1 | 742.0 | 740.0 | 737.9 | 733.8 | 729.8 | 723.7 | 717.5 | 709.4 |
| 170° | 756.3 | 750.2 | 746.1 | 744.0 | 742.0 | 740.0 | 735.9 | 733.8 | 727.7 | 723.7 | 717.5 |
| 172.5° | 752.2 | 746.1 | 742.0 | 742.0 | 740.0 | 740.0 | 737.9 | 735.9 | 731.8 | 727.7 | 723.7 |
| 175° | 746.1 | 742.0 | 737.9 | 737.9 | 737.9 | 737.9 | 735.9 | 735.9 | 733.8 | 731.8 | 727.7 |
| 177.5° | 737.9 | 733.8 | 731.8 | 731.8 | 733.8 | 733.8 | 733.8 | 733.8 | 733.8 | 733.8 | 731.8 |
| 180° | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 |



TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 |
| 2.5° | 2274.9 | 2260.7 | 2260.7 | 2262.7 | 2266.8 | 2270.8 | 2270.8 | 2262.7 | 2272.9 | 2281.0 | 2272.9 |
| 5° | 2264.7 | 2250.5 | 2252.5 | 2252.5 | 2256.6 | 2260.7 | 2260.7 | 2252.5 | 2262.7 | 2268.8 | 2258.6 |
| 7.5° | 2248.4 | 2234.2 | 2234.2 | 2236.2 | 2238.2 | 2242.3 | 2242.3 | 2234.2 | 2244.3 | 2250.5 | 2240.3 |
| 10° | 2226.0 | 2211.7 | 2211.7 | 2211.7 | 2215.8 | 2219.9 | 2217.8 | 2209.7 | 2219.9 | 2224.0 | 2215.8 |
| 12.5° | 2195.4 | 2183.2 | 2183.2 | 2183.2 | 2185.2 | 2189.3 | 2187.3 | 2177.1 | 2189.3 | 2191.3 | 2181.2 |
| 15° | 2160.8 | 2150.6 | 2148.5 | 2148.5 | 2150.6 | 2154.7 | 2150.6 | 2140.4 | 2152.6 | 2154.7 | 2146.5 |
| 17.5° | 2122.0 | 2109.8 | 2107.8 | 2107.8 | 2109.8 | 2113.9 | 2107.8 | 2097.6 | 2107.8 | 2107.8 | 2099.6 |
| 20° | 2077.2 | 2062.9 | 2060.9 | 2060.9 | 2062.9 | 2065.0 | 2056.8 | 2050.7 | 2060.9 | 2058.8 | 2050.7 |
| 22.5° | 2026.2 | 2012.0 | 2009.9 | 2009.9 | 2012.0 | 2014.0 | 2003.8 | 1999.7 | 2005.8 | 2003.8 | 1993.6 |
| 25° | 1969.2 | 1959.0 | 1956.9 | 1954.9 | 1959.0 | 1954.9 | 1948.8 | 1942.7 | 1946.7 | 1942.7 | 1932.5 |
| 27.5° | 1910.0 | 1897.8 | 1893.7 | 1895.8 | 1899.8 | 1897.8 | 1883.5 | 1881.5 | 1887.6 | 1879.5 | 1869.3 |
| 30° | 1844.8 | 1834.6 | 1830.5 | 1832.6 | 1832.6 | 1832.6 | 1818.3 | 1820.3 | 1822.4 | 1816.3 | 1802.0 |
| 32.5° | 1777.5 | 1769.4 | 1767.3 | 1767.3 | 1769.4 | 1765.3 | 1751.0 | 1753.1 | 1753.1 | 1742.9 | 1732.7 |
| 35° | 1708.2 | 1700.1 | 1696.0 | 1698.0 | 1700.1 | 1691.9 | 1679.7 | 1683.8 | 1679.7 | 1671.5 | 1661.3 |
| 37.5° | 1636.9 | 1626.7 | 1626.7 | 1626.7 | 1628.7 | 1618.5 | 1606.3 | 1612.4 | 1606.3 | 1596.1 | 1588.0 |
| 40° | 1559.4 | 1551.3 | 1553.3 | 1553.3 | 1555.3 | 1547.2 | 1537.0 | 1537.0 | 1530.9 | 1520.7 | 1510.5 |
| 42.5° | 1488.1 | 1477.9 | 1482.0 | 1482.0 | 1482.0 | 1469.7 | 1463.6 | 1461.6 | 1457.5 | 1447.3 | 1439.2 |
| 45° | 1408.6 | 1400.4 | 1406.5 | 1404.5 | 1406.5 | 1392.3 | 1388.2 | 1384.1 | 1378.0 | 1369.8 | 1359.7 |
| 47.5° | 1327.0 | 1323.0 | 1329.1 | 1329.1 | 1329.1 | 1314.8 | 1310.7 | 1304.6 | 1300.5 | 1292.4 | 1278.1 |
| 50° | 1245.5 | 1245.5 | 1249.6 | 1251.6 | 1247.5 | 1235.3 | 1231.2 | 1223.1 | 1219.0 | 1210.8 | 1198.6 |
| 52.5° | 1168.0 | 1164.0 | 1170.1 | 1170.1 | 1166.0 | 1155.8 | 1149.7 | 1143.6 | 1137.5 | 1129.3 | 1121.2 |
| 55° | 1088.5 | 1084.5 | 1090.6 | 1086.5 | 1084.5 | 1076.3 | 1068.2 | 1062.0 | 1060.0 | 1047.8 | 1039.6 |
| 57.5° | 1007.0 | 1005.0 | 1009.0 | 1007.0 | 1000.9 | 994.8 | 986.6 | 982.5 | 976.4 | 966.2 | 960.1 |
| 60° | 925.5 | 925.5 | 925.5 | 923.4 | 919.3 | 911.2 | 905.1 | 901.0 | 892.8 | 884.7 | 880.6 |
| 62.5° | 843.9 | 843.9 | 841.9 | 839.8 | 835.8 | 829.7 | 821.5 | 821.5 | 809.3 | 801.1 | 799.1 |
| 65° | 762.4 | 760.3 | 758.3 | 752.2 | 752.2 | 748.1 | 740.0 | 733.8 | 727.7 | 719.6 | 717.5 |
| 67.5° | 680.8 | 676.8 | 670.7 | 670.7 | 666.6 | 664.5 | 656.4 | 650.3 | 646.2 | 640.1 | 636.0 |
| 70° | 599.3 | 593.2 | 587.1 | 589.1 | 583.0 | 581.0 | 572.8 | 570.8 | 560.6 | 554.5 | 554.5 |
| 72.5° | 511.7 | 505.5 | 499.4 | 501.5 | 497.4 | 493.3 | 487.2 | 481.1 | 475.0 | 472.9 | 468.8 |
| 75° | 430.1 | 422.0 | 417.9 | 417.9 | 413.8 | 409.7 | 405.7 | 399.5 | 397.5 | 393.4 | 389.3 |
| 77.5° | 346.5 | 340.4 | 338.4 | 338.4 | 332.3 | 330.2 | 326.2 | 324.1 | 318.0 | 318.0 | 309.8 |
| 80° | 267.0 | 260.9 | 258.9 | 256.8 | 256.8 | 250.7 | 248.7 | 242.6 | 240.5 | 236.5 | 230.3 |
| 82.5° | 187.5 | 183.5 | 181.4 | 181.4 | 181.4 | 173.3 | 171.2 | 165.1 | 163.1 | 157.0 | 150.8 |
| 85° | 114.2 | 110.1 | 106.0 | 108.0 | 106.0 | 97.8 | 95.8 | 87.7 | 83.6 | 81.5 | 77.5 |
| 87.5° | 46.9 | 40.8 | 36.7 | 34.7 | 34.7 | 30.6 | 28.5 | 26.5 | 20.4 | 18.3 | 16.3 |
| 90° | 2.0 | 2.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 6.1 | 6.1 |
| 92.5° | 10.2 | 12.2 | 12.2 | 12.2 | 14.3 | 14.3 | 12.2 | 12.2 | 12.2 | 12.2 | 10.2 |
| 95° | 18.3 | 20.4 | 24.5 | 24.5 | 26.5 | 28.5 | 28.5 | 26.5 | 26.5 | 26.5 | 24.5 |
| 97.5° | 26.5 | 30.6 | 30.6 | 32.6 | 34.7 | 36.7 | 38.7 | 40.8 | 40.8 | 40.8 | 40.8 |
| 100° | 40.8 | 38.7 | 42.8 | 44.8 | 44.8 | 44.8 | 46.9 | 48.9 | 51.0 | 53.0 | 53.0 |
| 102.5° | 59.1 | 53.0 | 53.0 | 53.0 | 57.1 | 61.2 | 57.1 | 57.1 | 59.1 | 61.2 | 63.2 |
| 105° | 77.5 | 71.3 | 67.3 | 67.3 | 67.3 | 71.3 | 75.4 | 73.4 | 71.3 | 73.4 | 73.4 |
| 107.5° | 101.9 | 91.7 | 83.6 | 83.6 | 83.6 | 81.5 | 85.6 | 87.7 | 91.7 | 89.7 | 85.6 |
| 110° | 128.4 | 116.2 | 106.0 | 99.9 | 99.9 | 97.8 | 97.8 | 99.9 | 104.0 | 106.0 | 108.0 |



TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 159.0 | 142.7 | 128.4 | 126.4 | 120.3 | 114.2 | 112.1 | 112.1 | 114.2 | 118.2 | 122.3 |
| 115° | 191.6 | 173.3 | 154.9 | 150.8 | 144.7 | 132.5 | 128.4 | 126.4 | 126.4 | 128.4 | 132.5 |
| 117.5° | 224.2 | 203.8 | 185.5 | 177.3 | 171.2 | 159.0 | 148.8 | 142.7 | 140.7 | 140.7 | 142.7 |
| 120° | 256.8 | 238.5 | 218.1 | 207.9 | 199.8 | 185.5 | 171.2 | 161.0 | 157.0 | 154.9 | 154.9 |
| 122.5° | 289.5 | 271.1 | 248.7 | 240.5 | 232.4 | 214.0 | 199.8 | 185.5 | 177.3 | 171.2 | 169.2 |
| 125° | 322.1 | 303.7 | 283.3 | 273.2 | 263.0 | 244.6 | 230.3 | 216.1 | 203.8 | 193.7 | 187.5 |
| 127.5° | 354.7 | 334.3 | 316.0 | 307.8 | 297.6 | 277.2 | 258.9 | 244.6 | 232.4 | 220.2 | 210.0 |
| 130° | 383.2 | 366.9 | 348.6 | 340.4 | 330.2 | 307.8 | 291.5 | 277.2 | 263.0 | 248.7 | 238.5 |
| 132.5° | 415.8 | 395.5 | 379.2 | 371.0 | 360.8 | 340.4 | 324.1 | 307.8 | 295.6 | 281.3 | 269.1 |
| 135° | 442.3 | 426.0 | 407.7 | 399.5 | 391.4 | 373.0 | 356.7 | 340.4 | 326.2 | 313.9 | 303.7 |
| 137.5° | 470.9 | 452.5 | 436.2 | 430.1 | 419.9 | 401.6 | 389.3 | 373.0 | 358.8 | 344.5 | 334.3 |
| 140° | 497.4 | 479.0 | 462.7 | 456.6 | 448.5 | 432.2 | 415.8 | 403.6 | 389.3 | 377.1 | 366.9 |
| 142.5° | 523.9 | 501.5 | 489.2 | 483.1 | 475.0 | 458.7 | 444.4 | 434.2 | 422.0 | 409.7 | 399.5 |
| 145° | 548.3 | 532.0 | 511.7 | 507.6 | 501.5 | 485.2 | 472.9 | 462.7 | 452.5 | 440.3 | 430.1 |
| 147.5° | 568.7 | 554.5 | 540.2 | 536.1 | 530.0 | 513.7 | 499.4 | 491.3 | 481.1 | 470.9 | 460.7 |
| 150° | 591.2 | 576.9 | 564.7 | 560.6 | 554.5 | 544.3 | 530.0 | 515.7 | 509.6 | 497.4 | 489.2 |
| 152.5° | 611.5 | 597.3 | 585.0 | 583.0 | 576.9 | 566.7 | 554.5 | 544.3 | 540.2 | 530.0 | 515.7 |
| 155° | 629.9 | 615.6 | 605.4 | 603.4 | 599.3 | 589.1 | 578.9 | 568.7 | 564.7 | 554.5 | 546.3 |
| 157.5° | 646.2 | 631.9 | 623.8 | 621.7 | 617.7 | 609.5 | 599.3 | 589.1 | 587.1 | 578.9 | 572.8 |
| 160° | 662.5 | 648.2 | 642.1 | 640.1 | 636.0 | 629.9 | 621.7 | 611.5 | 611.5 | 603.4 | 597.3 |
| 162.5° | 674.7 | 664.5 | 658.4 | 654.3 | 652.3 | 648.2 | 640.1 | 631.9 | 631.9 | 625.8 | 619.7 |
| 165° | 689.0 | 676.8 | 672.7 | 670.7 | 668.6 | 664.5 | 658.4 | 650.3 | 650.3 | 646.2 | 640.1 |
| 167.5° | 699.2 | 689.0 | 684.9 | 682.9 | 680.8 | 678.8 | 674.7 | 666.6 | 666.6 | 664.5 | 658.4 |
| 170° | 707.3 | 699.2 | 695.1 | 693.1 | 693.1 | 691.0 | 689.0 | 682.9 | 682.9 | 680.8 | 674.7 |
| 172.5° | 715.5 | 707.3 | 705.3 | 705.3 | 703.3 | 703.3 | 701.2 | 695.1 | 695.1 | 697.2 | 691.0 |
| 175° | 721.6 | 713.5 | 713.5 | 711.4 | 713.5 | 713.5 | 711.4 | 707.3 | 709.4 | 711.4 | 707.3 |
| 177.5° | 723.7 | 719.6 | 719.6 | 719.6 | 719.6 | 721.6 | 721.6 | 715.5 | 719.6 | 723.7 | 717.5 |
| 180° | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 |



TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 | 2274.9 |
| 2.5° | 2272.9 | 2268.8 | 2266.8 | 2266.8 | 2268.8 | 2256.6 | 2246.4 | 2244.3 |
| 5° | 2258.6 | 2254.5 | 2252.5 | 2252.5 | 2256.6 | 2248.4 | 2240.3 | 2238.2 |
| 7.5° | 2238.2 | 2236.2 | 2232.1 | 2234.2 | 2240.3 | 2232.1 | 2224.0 | 2224.0 |
| 10° | 2211.7 | 2209.7 | 2205.6 | 2207.7 | 2211.7 | 2203.6 | 2195.4 | 2195.4 |
| 12.5° | 2179.1 | 2173.0 | 2171.0 | 2173.0 | 2177.1 | 2168.9 | 2160.8 | 2162.8 |
| 15° | 2140.4 | 2136.3 | 2134.3 | 2136.3 | 2140.4 | 2132.2 | 2122.0 | 2124.1 |
| 17.5° | 2097.6 | 2091.5 | 2091.5 | 2093.5 | 2095.5 | 2085.3 | 2075.2 | 2075.2 |
| 20° | 2044.6 | 2038.5 | 2038.5 | 2040.5 | 2040.5 | 2028.3 | 2022.2 | 2022.2 |
| 22.5° | 1985.5 | 1979.3 | 1977.3 | 1981.4 | 1981.4 | 1971.2 | 1965.1 | 1963.0 |
| 25° | 1926.3 | 1916.2 | 1916.2 | 1920.2 | 1918.2 | 1910.0 | 1901.9 | 1899.8 |
| 27.5° | 1865.2 | 1853.0 | 1857.0 | 1857.0 | 1855.0 | 1842.8 | 1836.7 | 1834.6 |
| 30° | 1797.9 | 1787.7 | 1785.7 | 1789.8 | 1783.7 | 1773.5 | 1769.4 | 1765.3 |
| 32.5° | 1728.6 | 1718.4 | 1720.5 | 1718.4 | 1714.3 | 1704.2 | 1696.0 | 1696.0 |
| 35° | 1657.3 | 1645.0 | 1649.1 | 1647.1 | 1638.9 | 1632.8 | 1626.7 | 1622.6 |
| 37.5° | 1581.8 | 1571.7 | 1575.7 | 1571.7 | 1565.5 | 1559.4 | 1551.3 | 1549.2 |
| 40° | 1504.4 | 1500.3 | 1500.3 | 1496.2 | 1490.1 | 1482.0 | 1479.9 | 1473.8 |
| 42.5° | 1426.9 | 1424.9 | 1424.9 | 1418.8 | 1412.7 | 1406.5 | 1402.5 | 1400.4 |
| 45° | 1351.5 | 1345.4 | 1349.5 | 1343.3 | 1335.2 | 1329.1 | 1325.0 | 1323.0 |
| 47.5° | 1274.0 | 1267.9 | 1267.9 | 1263.8 | 1255.7 | 1251.6 | 1247.5 | 1247.5 |
| 50° | 1196.6 | 1188.4 | 1186.4 | 1184.3 | 1178.2 | 1174.2 | 1168.0 | 1170.1 |
| 52.5° | 1117.1 | 1113.0 | 1111.0 | 1104.8 | 1098.7 | 1094.7 | 1092.6 | 1094.7 |
| 55° | 1037.6 | 1033.5 | 1029.4 | 1025.3 | 1019.2 | 1015.2 | 1011.1 | 1013.1 |
| 57.5° | 958.1 | 949.9 | 949.9 | 943.8 | 939.7 | 935.7 | 931.6 | 931.6 |
| 60° | 876.5 | 872.5 | 868.4 | 864.3 | 860.2 | 856.2 | 856.2 | 852.1 |
| 62.5° | 795.0 | 790.9 | 786.8 | 780.7 | 778.7 | 774.6 | 776.7 | 772.6 |
| 65° | 713.5 | 707.3 | 707.3 | 701.2 | 699.2 | 695.1 | 697.2 | 695.1 |
| 67.5° | 631.9 | 627.8 | 625.8 | 621.7 | 617.7 | 615.6 | 615.6 | 615.6 |
| 70° | 550.4 | 546.3 | 544.3 | 544.3 | 538.2 | 532.0 | 536.1 | 534.1 |
| 72.5° | 464.8 | 462.7 | 458.7 | 456.6 | 452.5 | 450.5 | 452.5 | 450.5 |
| 75° | 385.3 | 383.2 | 381.2 | 379.2 | 373.0 | 373.0 | 375.1 | 373.0 |
| 77.5° | 305.8 | 303.7 | 301.7 | 303.7 | 295.6 | 295.6 | 295.6 | 293.5 |
| 80° | 228.3 | 226.3 | 222.2 | 224.2 | 220.2 | 216.1 | 216.1 | 220.2 |
| 82.5° | 146.8 | 146.8 | 142.7 | 142.7 | 142.7 | 136.6 | 138.6 | 140.7 |
| 85° | 75.4 | 75.4 | 73.4 | 75.4 | 69.3 | 69.3 | 69.3 | 67.3 |
| 87.5° | 16.3 | 16.3 | 14.3 | 16.3 | 14.3 | 14.3 | 14.3 | 16.3 |
| 90° | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 92.5° | 10.2 | 10.2 | 10.2 | 12.2 | 10.2 | 10.2 | 10.2 | 10.2 |
| 95° | 24.5 | 26.5 | 26.5 | 26.5 | 24.5 | 24.5 | 24.5 | 22.4 |
| 97.5° | 40.8 | 40.8 | 40.8 | 40.8 | 38.7 | 38.7 | 38.7 | 36.7 |
| 100° | 53.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 53.0 |
| 102.5° | 65.2 | 65.2 | 65.2 | 67.3 | 67.3 | 67.3 | 67.3 | 65.2 |
| 105° | 73.4 | 75.4 | 75.4 | 77.5 | 79.5 | 79.5 | 79.5 | 77.5 |
| 107.5° | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 89.7 | 87.7 | 87.7 |
| 110° | 106.0 | 104.0 | 104.0 | 104.0 | 101.9 | 101.9 | 101.9 | 101.9 |



TEST NUMBER: P303093

CATALOG NUMBER: CTW-F-2575-40L840-UNV-STD-8

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 124.3 | 124.3 | 124.3 | 124.3 | 124.3 | 122.3 | 122.3 | 122.3 |
| 115° | 134.5 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 140.7 | 140.7 |
| 117.5° | 144.7 | 146.8 | 148.8 | 148.8 | 150.8 | 150.8 | 152.9 | 152.9 |
| 120° | 154.9 | 157.0 | 157.0 | 159.0 | 159.0 | 159.0 | 161.0 | 161.0 |
| 122.5° | 167.2 | 167.2 | 167.2 | 167.2 | 169.2 | 167.2 | 169.2 | 169.2 |
| 125° | 183.5 | 181.4 | 181.4 | 179.4 | 179.4 | 177.3 | 177.3 | 177.3 |
| 127.5° | 203.8 | 199.8 | 197.7 | 195.7 | 193.7 | 191.6 | 189.6 | 189.6 |
| 130° | 230.3 | 222.2 | 220.2 | 218.1 | 212.0 | 210.0 | 207.9 | 207.9 |
| 132.5° | 258.9 | 252.8 | 248.7 | 244.6 | 238.5 | 234.4 | 232.4 | 230.3 |
| 135° | 293.5 | 285.4 | 279.3 | 275.2 | 269.1 | 263.0 | 258.9 | 258.9 |
| 137.5° | 324.1 | 316.0 | 311.9 | 307.8 | 301.7 | 295.6 | 293.5 | 291.5 |
| 140° | 356.7 | 348.6 | 344.5 | 340.4 | 334.3 | 328.2 | 324.1 | 324.1 |
| 142.5° | 387.3 | 379.2 | 377.1 | 373.0 | 366.9 | 360.8 | 358.8 | 356.7 |
| 145° | 419.9 | 411.8 | 407.7 | 405.7 | 399.5 | 393.4 | 389.3 | 389.3 |
| 147.5° | 450.5 | 442.3 | 440.3 | 436.2 | 432.2 | 424.0 | 422.0 | 419.9 |
| 150° | 481.1 | 472.9 | 470.9 | 468.8 | 464.8 | 456.6 | 452.5 | 452.5 |
| 152.5° | 509.6 | 501.5 | 499.4 | 499.4 | 495.3 | 489.2 | 485.2 | 483.1 |
| 155° | 540.2 | 534.1 | 532.0 | 532.0 | 528.0 | 519.8 | 513.7 | 513.7 |
| 157.5° | 566.7 | 560.6 | 558.5 | 558.5 | 554.5 | 550.4 | 548.3 | 548.3 |
| 160° | 593.2 | 587.1 | 585.0 | 585.0 | 583.0 | 578.9 | 576.9 | 576.9 |
| 162.5° | 615.6 | 611.5 | 609.5 | 609.5 | 609.5 | 605.4 | 601.3 | 603.4 |
| 165° | 638.0 | 631.9 | 631.9 | 629.9 | 631.9 | 627.8 | 625.8 | 627.8 |
| 167.5° | 654.3 | 652.3 | 650.3 | 650.3 | 650.3 | 648.2 | 648.2 | 648.2 |
| 170° | 672.7 | 670.7 | 670.7 | 668.6 | 668.6 | 668.6 | 664.5 | 666.6 |
| 172.5° | 689.0 | 687.0 | 687.0 | 687.0 | 687.0 | 684.9 | 680.8 | 682.9 |
| 175° | 705.3 | 703.3 | 703.3 | 703.3 | 703.3 | 701.2 | 695.1 | 695.1 |
| 177.5° | 719.6 | 719.6 | 717.5 | 717.5 | 717.5 | 713.5 | 705.3 | 707.3 |
| 180° | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 | 729.8 |

(END OF REPORT)