

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: P303085

Luminaire Tested: **CTW-F-2575-40L830-UNV-STD-6**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P303085
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-2575-40L830-UNV-STD-6
Description: CORELITE CONTINUA LINEAR WALL LED LUMINAIRE
25% UPLIGHT, 75% DOWNLIGHT, 4000 LUMEN PACKAGE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5759.2 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.22 / 1.32
Luminous Opening: Rectangular (W 6' x L: 0.12' x H: 0')
CIE Type: Semi-Direct

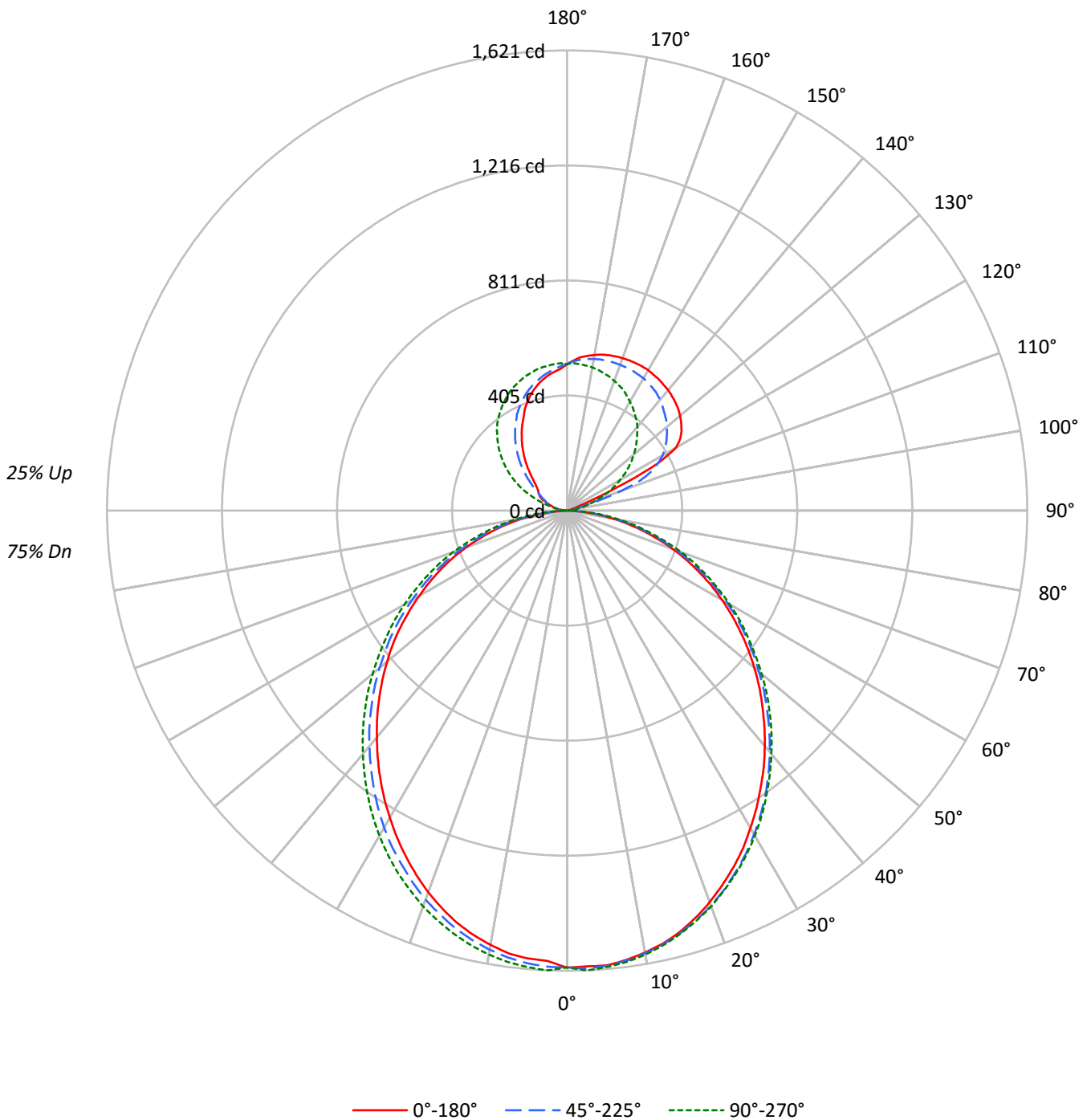
Input Watts (W): 51.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

Luminous Intensity Polar Plot





TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

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° | 23101 | 23101 | 23101 |
| 5° | 23169 | 23251 | 22816 |
| 10° | 23037 | 23142 | 22638 |
| 15° | 22824 | 22931 | 22330 |
| 20° | 22425 | 22667 | 21853 |
| 25° | 21950 | 22314 | 21286 |
| 30° | 21393 | 21918 | 20699 |
| 35° | 20823 | 21454 | 20115 |
| 40° | 20294 | 20968 | 19537 |
| 45° | 19730 | 20491 | 19000 |
| 50° | 19226 | 19965 | 18485 |
| 55° | 18659 | 19452 | 17936 |
| 60° | 18092 | 19002 | 17306 |
| 65° | 17438 | 18467 | 16701 |
| 70° | 16642 | 17914 | 15857 |
| 75° | 15438 | 16874 | 14634 |
| 80° | 13588 | 15736 | 12877 |
| 85° | 9271 | 13536 | 7838 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 151.9 | 2.6 |
| 10°-20° | 430.4 | 7.5 |
| 20°-30° | 637.5 | 11.1 |
| 30°-40° | 747.9 | 13.0 |
| 40°-50° | 758.0 | 13.2 |
| 50°-60° | 675.6 | 11.7 |
| 60°-70° | 517.5 | 9.0 |
| 70°-80° | 303.6 | 5.3 |
| 80°-90° | 79.8 | 1.4 |
| 90°-100° | 14.9 | 0.3 |
| 100°-110° | 64.4 | 1.1 |
| 110°-120° | 179.1 | 3.1 |
| 120°-130° | 255.7 | 4.4 |
| 130°-140° | 275.0 | 4.8 |
| 140°-150° | 261.8 | 4.5 |
| 150°-160° | 215.7 | 3.7 |
| 160°-170° | 141.5 | 2.5 |
| 170°-180° | 49.1 | 0.9 |
| 0°-30° | 1219.8 | 21.2 |
| 0°-40° | 1967.7 | 34.2 |
| 0°-60° | 3401.3 | 59.1 |
| 0°-90° | 4302.1 | 74.7 |
| 90°-120° | 258.3 | 4.5 |
| 90°-150° | 1050.8 | 18.2 |
| 90°-180° | 1457.0 | 25.3 |
| 0°-180° | 5759.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1610 | 1610 | 1610 | 1610 | 1610 | |
| 5° | 1608 | 1610 | 1614 | 1601 | 1584 | 153 |
| 15° | 1536 | 1540 | 1543 | 1523 | 1503 | 433 |
| 25° | 1386 | 1405 | 1409 | 1377 | 1344 | 638 |
| 35° | 1188 | 1219 | 1224 | 1188 | 1148 | 744 |
| 45° | 972 | 997 | 1010 | 975 | 936 | 751 |
| 55° | 746 | 767 | 777 | 750 | 717 | 667 |
| 65° | 514 | 531 | 544 | 515 | 492 | 509 |
| 75° | 278 | 293 | 304 | 281 | 264 | 294 |
| 85° | 56 | 69 | 82 | 59 | 48 | 69 |
| 90° | 1 | 1 | 1 | 3 | 4 | 2 |
| 95° | 4 | 4 | 12 | 19 | 16 | 4 |
| 105° | 17 | 46 | 69 | 50 | 55 | 20 |
| 115° | 200 | 329 | 167 | 89 | 100 | 215 |
| 125° | 492 | 427 | 262 | 144 | 126 | 437 |
| 135° | 539 | 485 | 346 | 231 | 183 | 417 |
| 145° | 564 | 526 | 415 | 320 | 276 | 353 |
| 155° | 573 | 544 | 469 | 400 | 364 | 265 |
| 165° | 567 | 547 | 500 | 460 | 444 | 161 |
| 175° | 542 | 534 | 518 | 502 | 492 | 52 |
| 180° | 516 | 516 | 516 | 516 | 516 | |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 |
| 2.5° | 1606.7 | 1605.3 | 1606.7 | 1605.3 | 1609.6 | 1609.6 | 1609.6 | 1608.2 | 1611.1 | 1616.8 | 1613.9 |
| 5° | 1608.2 | 1606.7 | 1605.3 | 1601.0 | 1603.8 | 1603.8 | 1603.8 | 1602.4 | 1605.3 | 1612.5 | 1609.6 |
| 7.5° | 1596.6 | 1596.6 | 1595.2 | 1592.3 | 1595.2 | 1595.2 | 1593.8 | 1592.3 | 1595.2 | 1601.0 | 1599.5 |
| 10° | 1580.8 | 1579.3 | 1577.9 | 1575.0 | 1579.3 | 1579.3 | 1579.3 | 1577.9 | 1580.8 | 1588.0 | 1583.7 |
| 12.5° | 1562.0 | 1559.1 | 1557.7 | 1554.8 | 1559.1 | 1559.1 | 1559.1 | 1557.7 | 1560.6 | 1567.8 | 1564.9 |
| 15° | 1536.1 | 1534.6 | 1534.6 | 1533.2 | 1537.5 | 1537.5 | 1537.5 | 1534.6 | 1537.5 | 1543.3 | 1540.4 |
| 17.5° | 1504.3 | 1502.9 | 1505.8 | 1504.3 | 1507.2 | 1507.2 | 1507.2 | 1504.3 | 1505.8 | 1514.4 | 1513.0 |
| 20° | 1468.3 | 1466.8 | 1466.8 | 1465.4 | 1469.7 | 1469.7 | 1471.2 | 1468.3 | 1472.6 | 1481.3 | 1481.3 |
| 22.5° | 1427.9 | 1427.9 | 1429.3 | 1427.9 | 1430.8 | 1432.2 | 1430.8 | 1429.3 | 1433.7 | 1442.3 | 1445.2 |
| 25° | 1386.1 | 1384.6 | 1384.6 | 1387.5 | 1388.9 | 1390.4 | 1390.4 | 1388.9 | 1391.8 | 1400.5 | 1404.8 |
| 27.5° | 1341.3 | 1338.5 | 1341.3 | 1341.3 | 1344.2 | 1345.7 | 1347.1 | 1347.1 | 1350.0 | 1355.8 | 1363.0 |
| 30° | 1290.9 | 1290.9 | 1292.3 | 1293.8 | 1293.8 | 1298.1 | 1299.5 | 1299.5 | 1302.4 | 1309.6 | 1316.8 |
| 32.5° | 1241.8 | 1240.4 | 1243.3 | 1244.7 | 1246.2 | 1249.0 | 1249.0 | 1250.5 | 1251.9 | 1259.1 | 1269.2 |
| 35° | 1188.5 | 1189.9 | 1189.9 | 1192.8 | 1195.7 | 1197.1 | 1198.6 | 1197.1 | 1201.4 | 1205.8 | 1218.8 |
| 37.5° | 1138.0 | 1136.5 | 1136.5 | 1138.0 | 1142.3 | 1143.8 | 1145.2 | 1145.2 | 1148.1 | 1153.8 | 1165.4 |
| 40° | 1083.2 | 1081.7 | 1084.6 | 1086.1 | 1087.5 | 1090.4 | 1090.4 | 1093.3 | 1097.6 | 1101.9 | 1110.6 |
| 42.5° | 1028.4 | 1026.9 | 1029.8 | 1031.3 | 1034.1 | 1035.6 | 1035.6 | 1038.5 | 1042.8 | 1048.6 | 1054.3 |
| 45° | 972.1 | 970.7 | 973.6 | 975.0 | 977.9 | 979.3 | 979.3 | 983.7 | 988.0 | 990.9 | 996.6 |
| 47.5° | 917.3 | 915.9 | 917.3 | 920.2 | 923.1 | 924.5 | 924.5 | 927.4 | 930.3 | 936.1 | 940.4 |
| 50° | 861.1 | 858.2 | 861.1 | 862.5 | 865.4 | 863.9 | 866.8 | 869.7 | 875.5 | 881.3 | 881.3 |
| 52.5° | 803.4 | 800.5 | 803.4 | 804.8 | 807.7 | 809.1 | 809.1 | 810.6 | 817.8 | 822.1 | 825.0 |
| 55° | 745.7 | 744.2 | 745.7 | 747.1 | 750.0 | 752.9 | 751.4 | 755.8 | 758.7 | 764.4 | 767.3 |
| 57.5° | 688.0 | 686.5 | 688.0 | 689.4 | 692.3 | 693.8 | 693.8 | 698.1 | 699.5 | 703.8 | 711.1 |
| 60° | 630.3 | 627.4 | 630.3 | 631.7 | 634.6 | 634.6 | 636.1 | 637.5 | 641.8 | 647.6 | 650.5 |
| 62.5° | 572.6 | 572.6 | 572.6 | 572.6 | 575.5 | 575.5 | 579.8 | 581.3 | 581.3 | 587.0 | 591.3 |
| 65° | 513.5 | 513.5 | 513.5 | 513.5 | 516.3 | 519.2 | 517.8 | 522.1 | 523.6 | 527.9 | 530.8 |
| 67.5° | 455.8 | 454.3 | 455.8 | 455.8 | 458.7 | 460.1 | 460.1 | 463.0 | 464.4 | 465.9 | 473.1 |
| 70° | 396.6 | 398.1 | 396.6 | 396.6 | 396.6 | 399.5 | 402.4 | 403.8 | 405.3 | 406.7 | 411.1 |
| 72.5° | 336.1 | 334.6 | 336.1 | 336.1 | 336.1 | 338.9 | 340.4 | 343.3 | 343.3 | 346.2 | 349.0 |
| 75° | 278.4 | 278.4 | 279.8 | 278.4 | 278.4 | 282.7 | 282.7 | 285.6 | 285.6 | 288.5 | 292.8 |
| 77.5° | 220.7 | 223.6 | 222.1 | 222.1 | 222.1 | 225.0 | 225.0 | 227.9 | 229.3 | 230.8 | 235.1 |
| 80° | 164.4 | 167.3 | 165.9 | 165.9 | 165.9 | 167.3 | 168.8 | 171.6 | 171.6 | 174.5 | 177.4 |
| 82.5° | 109.6 | 109.6 | 111.1 | 111.1 | 111.1 | 112.5 | 115.4 | 116.8 | 116.8 | 119.7 | 122.6 |
| 85° | 56.3 | 60.6 | 59.1 | 59.1 | 59.1 | 60.6 | 62.0 | 63.5 | 64.9 | 66.3 | 69.2 |
| 87.5° | 11.5 | 13.0 | 13.0 | 11.5 | 14.4 | 13.0 | 14.4 | 15.9 | 15.9 | 17.3 | 20.2 |
| 90° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 92.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 95° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 97.5° | 5.8 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 7.2 | 8.7 |
| 100° | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 10.1 | 10.1 | 10.1 | 10.1 | 11.5 | 13.0 |
| 102.5° | 11.5 | 11.5 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 | 14.4 | 15.9 | 17.3 | 23.1 |
| 105° | 17.3 | 15.9 | 17.3 | 17.3 | 17.3 | 18.8 | 18.8 | 21.6 | 24.5 | 31.7 | 46.2 |
| 107.5° | 23.1 | 23.1 | 23.1 | 24.5 | 26.0 | 28.8 | 30.3 | 36.1 | 49.0 | 69.2 | 106.7 |
| 110° | 36.1 | 34.6 | 37.5 | 40.4 | 49.0 | 53.4 | 60.6 | 82.2 | 116.8 | 158.7 | 203.4 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 76.4 | 75.0 | 85.1 | 95.2 | 113.9 | 131.3 | 154.3 | 197.6 | 242.3 | 269.7 | 281.3 |
| 115° | 200.5 | 196.2 | 209.1 | 235.1 | 268.3 | 285.6 | 301.4 | 323.1 | 336.1 | 336.1 | 328.8 |
| 117.5° | 362.0 | 356.3 | 370.7 | 377.9 | 385.1 | 390.9 | 390.9 | 390.9 | 385.1 | 375.0 | 360.6 |
| 120° | 442.8 | 438.5 | 439.9 | 437.0 | 434.1 | 431.3 | 428.4 | 422.6 | 412.5 | 401.0 | 388.0 |
| 122.5° | 473.1 | 471.6 | 468.8 | 464.4 | 460.1 | 455.8 | 452.9 | 445.7 | 435.6 | 422.6 | 409.6 |
| 125° | 491.8 | 490.4 | 487.5 | 483.2 | 477.4 | 474.5 | 471.6 | 463.0 | 452.9 | 441.3 | 426.9 |
| 127.5° | 506.3 | 506.3 | 501.9 | 499.0 | 493.3 | 490.4 | 486.1 | 478.8 | 468.8 | 455.8 | 442.8 |
| 130° | 519.2 | 519.2 | 514.9 | 513.5 | 506.3 | 504.8 | 500.5 | 491.8 | 481.7 | 470.2 | 458.7 |
| 132.5° | 530.8 | 529.3 | 527.9 | 525.0 | 519.2 | 516.3 | 513.5 | 506.3 | 494.7 | 483.2 | 473.1 |
| 135° | 539.4 | 538.0 | 536.5 | 533.7 | 527.9 | 526.4 | 523.6 | 516.3 | 504.8 | 494.7 | 484.6 |
| 137.5° | 546.6 | 546.6 | 543.8 | 542.3 | 536.5 | 535.1 | 532.2 | 525.0 | 514.9 | 506.3 | 497.6 |
| 140° | 553.8 | 553.8 | 551.0 | 549.5 | 543.8 | 542.3 | 540.9 | 533.7 | 523.6 | 516.3 | 509.1 |
| 142.5° | 558.2 | 559.6 | 556.7 | 555.3 | 549.5 | 548.1 | 546.6 | 539.4 | 532.2 | 525.0 | 519.2 |
| 145° | 563.9 | 563.9 | 561.1 | 559.6 | 556.7 | 555.3 | 552.4 | 546.6 | 539.4 | 532.2 | 526.4 |
| 147.5° | 566.8 | 568.3 | 565.4 | 563.9 | 561.1 | 559.6 | 556.7 | 551.0 | 543.8 | 538.0 | 532.2 |
| 150° | 571.2 | 571.2 | 568.3 | 566.8 | 563.9 | 562.5 | 561.1 | 555.3 | 548.1 | 543.8 | 538.0 |
| 152.5° | 572.6 | 572.6 | 569.7 | 568.3 | 565.4 | 563.9 | 562.5 | 556.7 | 551.0 | 546.6 | 540.9 |
| 155° | 572.6 | 572.6 | 571.2 | 568.3 | 566.8 | 565.4 | 562.5 | 558.2 | 552.4 | 549.5 | 543.8 |
| 157.5° | 572.6 | 571.2 | 571.2 | 568.3 | 566.8 | 563.9 | 562.5 | 556.7 | 553.8 | 551.0 | 545.2 |
| 160° | 571.2 | 571.2 | 569.7 | 566.8 | 566.8 | 563.9 | 562.5 | 558.2 | 553.8 | 552.4 | 546.6 |
| 162.5° | 569.7 | 568.3 | 568.3 | 565.4 | 565.4 | 563.9 | 561.1 | 558.2 | 553.8 | 552.4 | 546.6 |
| 165° | 566.8 | 565.4 | 565.4 | 562.5 | 562.5 | 561.1 | 559.6 | 553.8 | 552.4 | 551.0 | 546.6 |
| 167.5° | 562.5 | 561.1 | 559.6 | 556.7 | 556.7 | 555.3 | 553.8 | 549.5 | 548.1 | 548.1 | 545.2 |
| 170° | 556.7 | 553.8 | 552.4 | 551.0 | 551.0 | 549.5 | 548.1 | 545.2 | 545.2 | 545.2 | 542.3 |
| 172.5° | 549.5 | 546.6 | 546.6 | 545.2 | 543.8 | 543.8 | 542.3 | 539.4 | 539.4 | 539.4 | 538.0 |
| 175° | 542.3 | 539.4 | 538.0 | 536.5 | 538.0 | 536.5 | 535.1 | 533.7 | 533.7 | 535.1 | 533.7 |
| 177.5° | 529.3 | 526.4 | 527.9 | 527.9 | 527.9 | 527.9 | 526.4 | 526.4 | 526.4 | 526.4 | 526.4 |
| 180° | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 |
| 2.5° | 1603.8 | 1599.5 | 1599.5 | 1605.3 | 1606.7 | 1609.6 | 1612.5 | 1618.3 | 1621.2 | 1621.2 | 1619.7 |
| 5° | 1599.5 | 1595.2 | 1593.8 | 1599.5 | 1601.0 | 1603.8 | 1606.7 | 1612.5 | 1613.9 | 1613.9 | 1612.5 |
| 7.5° | 1589.4 | 1585.1 | 1583.7 | 1589.4 | 1590.9 | 1593.8 | 1595.2 | 1601.0 | 1603.8 | 1603.8 | 1601.0 |
| 10° | 1573.6 | 1569.2 | 1569.2 | 1575.0 | 1576.4 | 1577.9 | 1580.8 | 1585.1 | 1588.0 | 1588.0 | 1586.5 |
| 12.5° | 1554.8 | 1550.5 | 1549.0 | 1554.8 | 1556.3 | 1557.7 | 1560.6 | 1566.3 | 1567.8 | 1567.8 | 1564.9 |
| 15° | 1531.7 | 1526.0 | 1526.0 | 1531.7 | 1533.2 | 1534.6 | 1537.5 | 1541.8 | 1543.3 | 1543.3 | 1540.4 |
| 17.5° | 1502.9 | 1500.0 | 1497.1 | 1502.9 | 1504.3 | 1505.8 | 1507.2 | 1513.0 | 1515.9 | 1514.4 | 1511.5 |
| 20° | 1471.2 | 1466.8 | 1463.9 | 1471.2 | 1472.6 | 1474.0 | 1475.5 | 1481.3 | 1484.1 | 1484.1 | 1479.8 |
| 22.5° | 1436.5 | 1432.2 | 1429.3 | 1435.1 | 1438.0 | 1438.0 | 1440.9 | 1445.2 | 1448.1 | 1446.6 | 1443.8 |
| 25° | 1397.6 | 1391.8 | 1391.8 | 1396.2 | 1399.0 | 1399.0 | 1401.9 | 1406.3 | 1409.1 | 1409.1 | 1404.8 |
| 27.5° | 1355.8 | 1351.4 | 1348.6 | 1351.4 | 1355.8 | 1357.2 | 1360.1 | 1364.4 | 1367.3 | 1367.3 | 1363.0 |
| 30° | 1312.5 | 1308.2 | 1302.4 | 1306.7 | 1311.1 | 1312.5 | 1315.4 | 1321.2 | 1322.6 | 1322.6 | 1315.4 |
| 32.5° | 1266.3 | 1259.1 | 1257.7 | 1260.6 | 1263.5 | 1266.3 | 1269.2 | 1273.6 | 1273.6 | 1275.0 | 1270.7 |
| 35° | 1214.4 | 1211.5 | 1208.7 | 1211.5 | 1214.4 | 1215.9 | 1220.2 | 1224.5 | 1224.5 | 1224.5 | 1220.2 |
| 37.5° | 1163.9 | 1163.9 | 1158.2 | 1159.6 | 1162.5 | 1163.9 | 1169.7 | 1172.6 | 1174.0 | 1172.6 | 1171.2 |
| 40° | 1114.9 | 1110.6 | 1107.7 | 1107.7 | 1109.1 | 1113.5 | 1116.3 | 1119.2 | 1120.7 | 1119.2 | 1116.3 |
| 42.5° | 1061.5 | 1058.7 | 1054.3 | 1054.3 | 1055.8 | 1060.1 | 1065.9 | 1067.3 | 1065.9 | 1065.9 | 1060.1 |
| 45° | 1003.8 | 1003.8 | 1001.0 | 1001.0 | 1001.0 | 1005.3 | 1011.1 | 1012.5 | 1011.1 | 1009.6 | 1006.7 |
| 47.5° | 946.2 | 947.6 | 947.6 | 946.2 | 946.2 | 946.2 | 951.9 | 953.4 | 954.8 | 953.4 | 950.5 |
| 50° | 888.5 | 889.9 | 889.9 | 889.9 | 888.5 | 892.8 | 894.2 | 897.1 | 895.7 | 894.2 | 892.8 |
| 52.5° | 827.9 | 832.2 | 832.2 | 833.7 | 833.7 | 833.7 | 839.4 | 840.9 | 836.5 | 835.1 | 833.7 |
| 55° | 768.8 | 774.5 | 774.5 | 776.0 | 776.0 | 776.0 | 780.3 | 783.2 | 778.8 | 777.4 | 776.0 |
| 57.5° | 711.1 | 715.4 | 715.4 | 718.3 | 721.2 | 718.3 | 721.2 | 724.0 | 719.7 | 721.2 | 718.3 |
| 60° | 651.9 | 654.8 | 656.3 | 659.1 | 660.6 | 660.6 | 663.5 | 666.3 | 660.6 | 662.0 | 660.6 |
| 62.5° | 595.7 | 595.7 | 597.1 | 600.0 | 601.4 | 600.0 | 602.9 | 607.2 | 601.4 | 602.9 | 601.4 |
| 65° | 532.2 | 536.5 | 536.5 | 539.4 | 540.9 | 540.9 | 543.8 | 546.6 | 542.3 | 543.8 | 539.4 |
| 67.5° | 473.1 | 476.0 | 477.4 | 481.7 | 484.6 | 483.2 | 484.6 | 487.5 | 484.6 | 486.1 | 481.7 |
| 70° | 413.9 | 416.8 | 416.8 | 418.3 | 422.6 | 424.0 | 425.5 | 426.9 | 425.5 | 426.9 | 424.0 |
| 72.5° | 351.9 | 353.4 | 354.8 | 356.3 | 360.6 | 360.6 | 362.0 | 363.5 | 367.8 | 364.9 | 364.9 |
| 75° | 292.8 | 295.7 | 295.7 | 300.0 | 302.9 | 302.9 | 304.3 | 305.8 | 308.7 | 304.3 | 304.3 |
| 77.5° | 235.1 | 238.0 | 238.0 | 242.3 | 243.8 | 243.8 | 246.6 | 248.1 | 249.5 | 248.1 | 248.1 |
| 80° | 178.8 | 180.3 | 181.7 | 183.2 | 186.1 | 187.5 | 188.9 | 190.4 | 191.8 | 190.4 | 191.8 |
| 82.5° | 125.5 | 125.5 | 126.9 | 128.4 | 131.3 | 132.7 | 134.1 | 135.6 | 137.0 | 135.6 | 137.0 |
| 85° | 70.7 | 73.6 | 73.6 | 77.9 | 79.3 | 79.3 | 80.8 | 82.2 | 83.7 | 82.2 | 83.7 |
| 87.5° | 21.6 | 24.5 | 26.0 | 27.4 | 30.3 | 30.3 | 33.2 | 34.6 | 34.6 | 33.2 | 34.6 |
| 90° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 92.5° | 2.9 | 2.9 | 2.9 | 4.3 | 4.3 | 4.3 | 5.8 | 5.8 | 5.8 | 4.3 | 5.8 |
| 95° | 5.8 | 5.8 | 7.2 | 10.1 | 13.0 | 14.4 | 17.3 | 17.3 | 14.4 | 11.5 | 11.5 |
| 97.5° | 10.1 | 11.5 | 17.3 | 24.5 | 27.4 | 31.7 | 34.6 | 31.7 | 26.0 | 21.6 | 20.2 |
| 100° | 17.3 | 23.1 | 36.1 | 50.5 | 54.8 | 59.1 | 57.7 | 50.5 | 41.8 | 34.6 | 30.3 |
| 102.5° | 31.7 | 49.0 | 73.6 | 88.0 | 90.9 | 90.9 | 83.7 | 72.1 | 60.6 | 50.5 | 44.7 |
| 105° | 70.7 | 101.0 | 128.4 | 131.3 | 129.8 | 125.5 | 112.5 | 98.1 | 83.7 | 69.2 | 62.0 |
| 107.5° | 145.7 | 171.6 | 180.3 | 171.6 | 167.3 | 158.7 | 142.8 | 125.5 | 106.7 | 92.3 | 80.8 |
| 110° | 226.4 | 229.3 | 220.7 | 206.3 | 197.6 | 190.4 | 170.2 | 152.9 | 132.7 | 115.4 | 102.4 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 281.3 | 271.2 | 255.3 | 238.0 | 229.3 | 219.2 | 200.5 | 180.3 | 158.7 | 139.9 | 125.5 |
| 115° | 317.3 | 301.4 | 284.1 | 265.4 | 256.7 | 248.1 | 227.9 | 206.3 | 184.6 | 167.3 | 150.0 |
| 117.5° | 344.7 | 327.4 | 310.1 | 291.3 | 282.7 | 274.0 | 252.4 | 232.2 | 209.1 | 191.8 | 174.5 |
| 120° | 367.8 | 351.9 | 333.2 | 315.9 | 307.2 | 298.6 | 276.9 | 256.7 | 235.1 | 216.3 | 197.6 |
| 122.5° | 393.8 | 377.9 | 354.8 | 338.9 | 330.3 | 320.2 | 300.0 | 279.8 | 258.2 | 239.4 | 220.7 |
| 125° | 412.5 | 396.6 | 379.3 | 359.1 | 350.5 | 340.4 | 320.2 | 301.4 | 281.3 | 262.5 | 245.2 |
| 127.5° | 431.3 | 415.4 | 399.5 | 380.8 | 370.7 | 359.1 | 340.4 | 321.6 | 302.9 | 285.6 | 266.8 |
| 130° | 447.1 | 432.7 | 416.8 | 399.5 | 389.4 | 380.8 | 359.1 | 340.4 | 323.1 | 305.8 | 289.9 |
| 132.5° | 463.0 | 448.6 | 431.3 | 415.4 | 405.3 | 398.1 | 380.8 | 360.6 | 343.3 | 327.4 | 310.1 |
| 135° | 474.5 | 461.5 | 444.2 | 426.9 | 419.7 | 412.5 | 396.6 | 380.8 | 362.0 | 346.2 | 330.3 |
| 137.5° | 487.5 | 473.1 | 455.8 | 439.9 | 432.7 | 426.9 | 412.5 | 396.6 | 382.2 | 364.9 | 349.0 |
| 140° | 497.6 | 483.2 | 467.3 | 451.4 | 445.7 | 439.9 | 426.9 | 412.5 | 399.5 | 385.1 | 367.8 |
| 142.5° | 506.3 | 491.8 | 476.0 | 461.5 | 457.2 | 451.4 | 438.5 | 426.9 | 413.9 | 401.0 | 386.5 |
| 145° | 514.9 | 499.0 | 484.6 | 473.1 | 467.3 | 461.5 | 451.4 | 439.9 | 428.4 | 415.4 | 402.4 |
| 147.5° | 522.1 | 506.3 | 493.3 | 481.7 | 477.4 | 473.1 | 461.5 | 451.4 | 441.3 | 429.8 | 416.8 |
| 150° | 527.9 | 513.5 | 501.9 | 491.8 | 487.5 | 483.2 | 471.6 | 463.0 | 454.3 | 442.8 | 431.3 |
| 152.5° | 530.8 | 517.8 | 507.7 | 499.0 | 496.2 | 491.8 | 483.2 | 474.5 | 465.9 | 455.8 | 445.7 |
| 155° | 533.7 | 522.1 | 513.5 | 506.3 | 503.4 | 500.5 | 491.8 | 484.6 | 477.4 | 468.8 | 457.2 |
| 157.5° | 535.1 | 526.4 | 517.8 | 512.0 | 509.1 | 506.3 | 499.0 | 493.3 | 486.1 | 477.4 | 468.8 |
| 160° | 538.0 | 529.3 | 520.7 | 516.3 | 514.9 | 512.0 | 504.8 | 500.5 | 494.7 | 486.1 | 478.8 |
| 162.5° | 538.0 | 530.8 | 523.6 | 520.7 | 519.2 | 517.8 | 510.6 | 506.3 | 501.9 | 494.7 | 487.5 |
| 165° | 539.4 | 532.2 | 526.4 | 523.6 | 522.1 | 520.7 | 516.3 | 512.0 | 507.7 | 500.5 | 496.2 |
| 167.5° | 538.0 | 532.2 | 527.9 | 525.0 | 523.6 | 522.1 | 519.2 | 516.3 | 512.0 | 507.7 | 501.9 |
| 170° | 535.1 | 530.8 | 527.9 | 526.4 | 525.0 | 523.6 | 520.7 | 519.2 | 514.9 | 512.0 | 507.7 |
| 172.5° | 532.2 | 527.9 | 525.0 | 525.0 | 523.6 | 523.6 | 522.1 | 520.7 | 517.8 | 514.9 | 512.0 |
| 175° | 527.9 | 525.0 | 522.1 | 522.1 | 522.1 | 522.1 | 520.7 | 520.7 | 519.2 | 517.8 | 514.9 |
| 177.5° | 522.1 | 519.2 | 517.8 | 517.8 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 519.2 | 517.8 |
| 180° | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 |
| 2.5° | 1609.6 | 1599.5 | 1599.5 | 1601.0 | 1603.8 | 1606.7 | 1606.7 | 1601.0 | 1608.2 | 1613.9 | 1608.2 |
| 5° | 1602.4 | 1592.3 | 1593.8 | 1593.8 | 1596.6 | 1599.5 | 1599.5 | 1593.8 | 1601.0 | 1605.3 | 1598.1 |
| 7.5° | 1590.9 | 1580.8 | 1580.8 | 1582.2 | 1583.7 | 1586.5 | 1586.5 | 1580.8 | 1588.0 | 1592.3 | 1585.1 |
| 10° | 1575.0 | 1564.9 | 1564.9 | 1564.9 | 1567.8 | 1570.7 | 1569.2 | 1563.5 | 1570.7 | 1573.6 | 1567.8 |
| 12.5° | 1553.4 | 1544.7 | 1544.7 | 1544.7 | 1546.2 | 1549.0 | 1547.6 | 1540.4 | 1549.0 | 1550.5 | 1543.3 |
| 15° | 1528.8 | 1521.6 | 1520.2 | 1520.2 | 1521.6 | 1524.5 | 1521.6 | 1514.4 | 1523.1 | 1524.5 | 1518.8 |
| 17.5° | 1501.4 | 1492.8 | 1491.3 | 1491.3 | 1492.8 | 1495.7 | 1491.3 | 1484.1 | 1491.3 | 1491.3 | 1485.6 |
| 20° | 1469.7 | 1459.6 | 1458.2 | 1458.2 | 1459.6 | 1461.1 | 1455.3 | 1451.0 | 1458.2 | 1456.7 | 1451.0 |
| 22.5° | 1433.7 | 1423.6 | 1422.1 | 1422.1 | 1423.6 | 1425.0 | 1417.8 | 1414.9 | 1419.2 | 1417.8 | 1410.6 |
| 25° | 1393.3 | 1386.1 | 1384.6 | 1383.2 | 1386.1 | 1383.2 | 1378.8 | 1374.5 | 1377.4 | 1374.5 | 1367.3 |
| 27.5° | 1351.4 | 1342.8 | 1339.9 | 1341.3 | 1344.2 | 1342.8 | 1332.7 | 1331.3 | 1335.6 | 1329.8 | 1322.6 |
| 30° | 1305.3 | 1298.1 | 1295.2 | 1296.6 | 1296.6 | 1296.6 | 1286.5 | 1288.0 | 1289.4 | 1285.1 | 1275.0 |
| 32.5° | 1257.7 | 1251.9 | 1250.5 | 1250.5 | 1251.9 | 1249.0 | 1238.9 | 1240.4 | 1240.4 | 1233.2 | 1226.0 |
| 35° | 1208.7 | 1202.9 | 1200.0 | 1201.4 | 1202.9 | 1197.1 | 1188.5 | 1191.3 | 1188.5 | 1182.7 | 1175.5 |
| 37.5° | 1158.2 | 1151.0 | 1151.0 | 1151.0 | 1152.4 | 1145.2 | 1136.5 | 1140.9 | 1136.5 | 1129.3 | 1123.6 |
| 40° | 1103.4 | 1097.6 | 1099.0 | 1099.0 | 1100.5 | 1094.7 | 1087.5 | 1087.5 | 1083.2 | 1076.0 | 1068.8 |
| 42.5° | 1052.9 | 1045.7 | 1048.6 | 1048.6 | 1048.6 | 1039.9 | 1035.6 | 1034.1 | 1031.3 | 1024.0 | 1018.3 |
| 45° | 996.6 | 990.9 | 995.2 | 993.8 | 995.2 | 985.1 | 982.2 | 979.3 | 975.0 | 969.2 | 962.0 |
| 47.5° | 938.9 | 936.1 | 940.4 | 940.4 | 940.4 | 930.3 | 927.4 | 923.1 | 920.2 | 914.4 | 904.3 |
| 50° | 881.3 | 881.3 | 884.1 | 885.6 | 882.7 | 874.0 | 871.2 | 865.4 | 862.5 | 856.7 | 848.1 |
| 52.5° | 826.4 | 823.6 | 827.9 | 827.9 | 825.0 | 817.8 | 813.5 | 809.1 | 804.8 | 799.0 | 793.3 |
| 55° | 770.2 | 767.3 | 771.6 | 768.8 | 767.3 | 761.5 | 755.8 | 751.4 | 750.0 | 741.3 | 735.6 |
| 57.5° | 712.5 | 711.1 | 713.9 | 712.5 | 708.2 | 703.8 | 698.1 | 695.2 | 690.9 | 683.7 | 679.3 |
| 60° | 654.8 | 654.8 | 654.8 | 653.4 | 650.5 | 644.7 | 640.4 | 637.5 | 631.7 | 626.0 | 623.1 |
| 62.5° | 597.1 | 597.1 | 595.7 | 594.2 | 591.3 | 587.0 | 581.3 | 581.3 | 572.6 | 566.8 | 565.4 |
| 65° | 539.4 | 538.0 | 536.5 | 532.2 | 532.2 | 529.3 | 523.6 | 519.2 | 514.9 | 509.1 | 507.7 |
| 67.5° | 481.7 | 478.8 | 474.5 | 474.5 | 471.6 | 470.2 | 464.4 | 460.1 | 457.2 | 452.9 | 450.0 |
| 70° | 424.0 | 419.7 | 415.4 | 416.8 | 412.5 | 411.1 | 405.3 | 403.8 | 396.6 | 392.3 | 392.3 |
| 72.5° | 362.0 | 357.7 | 353.4 | 354.8 | 351.9 | 349.0 | 344.7 | 340.4 | 336.1 | 334.6 | 331.7 |
| 75° | 304.3 | 298.6 | 295.7 | 295.7 | 292.8 | 289.9 | 287.0 | 282.7 | 281.3 | 278.4 | 275.5 |
| 77.5° | 245.2 | 240.9 | 239.4 | 239.4 | 235.1 | 233.7 | 230.8 | 229.3 | 225.0 | 225.0 | 219.2 |
| 80° | 188.9 | 184.6 | 183.2 | 181.7 | 181.7 | 177.4 | 176.0 | 171.6 | 170.2 | 167.3 | 163.0 |
| 82.5° | 132.7 | 129.8 | 128.4 | 128.4 | 128.4 | 122.6 | 121.2 | 116.8 | 115.4 | 111.1 | 106.7 |
| 85° | 80.8 | 77.9 | 75.0 | 76.4 | 75.0 | 69.2 | 67.8 | 62.0 | 59.1 | 57.7 | 54.8 |
| 87.5° | 33.2 | 28.8 | 26.0 | 24.5 | 24.5 | 21.6 | 20.2 | 18.8 | 14.4 | 13.0 | 11.5 |
| 90° | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 4.3 | 4.3 |
| 92.5° | 7.2 | 8.7 | 8.7 | 8.7 | 10.1 | 10.1 | 8.7 | 8.7 | 8.7 | 8.7 | 7.2 |
| 95° | 13.0 | 14.4 | 17.3 | 17.3 | 18.8 | 20.2 | 20.2 | 18.8 | 18.8 | 18.8 | 17.3 |
| 97.5° | 18.8 | 21.6 | 21.6 | 23.1 | 24.5 | 26.0 | 27.4 | 28.8 | 28.8 | 28.8 | 28.8 |
| 100° | 28.8 | 27.4 | 30.3 | 31.7 | 31.7 | 31.7 | 33.2 | 34.6 | 36.1 | 37.5 | 37.5 |
| 102.5° | 41.8 | 37.5 | 37.5 | 37.5 | 40.4 | 43.3 | 40.4 | 40.4 | 41.8 | 43.3 | 44.7 |
| 105° | 54.8 | 50.5 | 47.6 | 47.6 | 47.6 | 50.5 | 53.4 | 51.9 | 50.5 | 51.9 | 51.9 |
| 107.5° | 72.1 | 64.9 | 59.1 | 59.1 | 59.1 | 57.7 | 60.6 | 62.0 | 64.9 | 63.5 | 60.6 |
| 110° | 90.9 | 82.2 | 75.0 | 70.7 | 70.7 | 69.2 | 69.2 | 70.7 | 73.6 | 75.0 | 76.4 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 112.5 | 101.0 | 90.9 | 89.4 | 85.1 | 80.8 | 79.3 | 79.3 | 80.8 | 83.7 | 86.5 |
| 115° | 135.6 | 122.6 | 109.6 | 106.7 | 102.4 | 93.8 | 90.9 | 89.4 | 89.4 | 90.9 | 93.8 |
| 117.5° | 158.7 | 144.2 | 131.3 | 125.5 | 121.2 | 112.5 | 105.3 | 101.0 | 99.5 | 99.5 | 101.0 |
| 120° | 181.7 | 168.8 | 154.3 | 147.1 | 141.3 | 131.3 | 121.2 | 113.9 | 111.1 | 109.6 | 109.6 |
| 122.5° | 204.8 | 191.8 | 176.0 | 170.2 | 164.4 | 151.4 | 141.3 | 131.3 | 125.5 | 121.2 | 119.7 |
| 125° | 227.9 | 214.9 | 200.5 | 193.3 | 186.1 | 173.1 | 163.0 | 152.9 | 144.2 | 137.0 | 132.7 |
| 127.5° | 251.0 | 236.5 | 223.6 | 217.8 | 210.6 | 196.2 | 183.2 | 173.1 | 164.4 | 155.8 | 148.6 |
| 130° | 271.2 | 259.6 | 246.6 | 240.9 | 233.7 | 217.8 | 206.3 | 196.2 | 186.1 | 176.0 | 168.8 |
| 132.5° | 294.2 | 279.8 | 268.3 | 262.5 | 255.3 | 240.9 | 229.3 | 217.8 | 209.1 | 199.0 | 190.4 |
| 135° | 313.0 | 301.4 | 288.5 | 282.7 | 276.9 | 263.9 | 252.4 | 240.9 | 230.8 | 222.1 | 214.9 |
| 137.5° | 333.2 | 320.2 | 308.7 | 304.3 | 297.1 | 284.1 | 275.5 | 263.9 | 253.8 | 243.8 | 236.5 |
| 140° | 351.9 | 338.9 | 327.4 | 323.1 | 317.3 | 305.8 | 294.2 | 285.6 | 275.5 | 266.8 | 259.6 |
| 142.5° | 370.7 | 354.8 | 346.2 | 341.8 | 336.1 | 324.5 | 314.4 | 307.2 | 298.6 | 289.9 | 282.7 |
| 145° | 388.0 | 376.4 | 362.0 | 359.1 | 354.8 | 343.3 | 334.6 | 327.4 | 320.2 | 311.5 | 304.3 |
| 147.5° | 402.4 | 392.3 | 382.2 | 379.3 | 375.0 | 363.5 | 353.4 | 347.6 | 340.4 | 333.2 | 326.0 |
| 150° | 418.3 | 408.2 | 399.5 | 396.6 | 392.3 | 385.1 | 375.0 | 364.9 | 360.6 | 351.9 | 346.2 |
| 152.5° | 432.7 | 422.6 | 413.9 | 412.5 | 408.2 | 401.0 | 392.3 | 385.1 | 382.2 | 375.0 | 364.9 |
| 155° | 445.7 | 435.6 | 428.4 | 426.9 | 424.0 | 416.8 | 409.6 | 402.4 | 399.5 | 392.3 | 386.5 |
| 157.5° | 457.2 | 447.1 | 441.3 | 439.9 | 437.0 | 431.3 | 424.0 | 416.8 | 415.4 | 409.6 | 405.3 |
| 160° | 468.8 | 458.7 | 454.3 | 452.9 | 450.0 | 445.7 | 439.9 | 432.7 | 432.7 | 426.9 | 422.6 |
| 162.5° | 477.4 | 470.2 | 465.9 | 463.0 | 461.5 | 458.7 | 452.9 | 447.1 | 447.1 | 442.8 | 438.5 |
| 165° | 487.5 | 478.8 | 476.0 | 474.5 | 473.1 | 470.2 | 465.9 | 460.1 | 460.1 | 457.2 | 452.9 |
| 167.5° | 494.7 | 487.5 | 484.6 | 483.2 | 481.7 | 480.3 | 477.4 | 471.6 | 471.6 | 470.2 | 465.9 |
| 170° | 500.5 | 494.7 | 491.8 | 490.4 | 490.4 | 488.9 | 487.5 | 483.2 | 483.2 | 481.7 | 477.4 |
| 172.5° | 506.3 | 500.5 | 499.0 | 499.0 | 497.6 | 497.6 | 496.2 | 491.8 | 491.8 | 493.3 | 488.9 |
| 175° | 510.6 | 504.8 | 504.8 | 503.4 | 504.8 | 504.8 | 503.4 | 500.5 | 501.9 | 503.4 | 500.5 |
| 177.5° | 512.0 | 509.1 | 509.1 | 509.1 | 509.1 | 510.6 | 510.6 | 506.3 | 509.1 | 512.0 | 507.7 |
| 180° | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 | 1609.6 |
| 2.5° | 1608.2 | 1605.3 | 1603.8 | 1603.8 | 1605.3 | 1596.6 | 1589.4 | 1588.0 |
| 5° | 1598.1 | 1595.2 | 1593.8 | 1593.8 | 1596.6 | 1590.9 | 1585.1 | 1583.7 |
| 7.5° | 1583.7 | 1582.2 | 1579.3 | 1580.8 | 1585.1 | 1579.3 | 1573.6 | 1573.6 |
| 10° | 1564.9 | 1563.5 | 1560.6 | 1562.0 | 1564.9 | 1559.1 | 1553.4 | 1553.4 |
| 12.5° | 1541.8 | 1537.5 | 1536.1 | 1537.5 | 1540.4 | 1534.6 | 1528.8 | 1530.3 |
| 15° | 1514.4 | 1511.5 | 1510.1 | 1511.5 | 1514.4 | 1508.7 | 1501.4 | 1502.9 |
| 17.5° | 1484.1 | 1479.8 | 1479.8 | 1481.3 | 1482.7 | 1475.5 | 1468.3 | 1468.3 |
| 20° | 1446.6 | 1442.3 | 1442.3 | 1443.8 | 1443.8 | 1435.1 | 1430.8 | 1430.8 |
| 22.5° | 1404.8 | 1400.5 | 1399.0 | 1401.9 | 1401.9 | 1394.7 | 1390.4 | 1388.9 |
| 25° | 1363.0 | 1355.8 | 1355.8 | 1358.7 | 1357.2 | 1351.4 | 1345.7 | 1344.2 |
| 27.5° | 1319.7 | 1311.1 | 1313.9 | 1313.9 | 1312.5 | 1303.8 | 1299.5 | 1298.1 |
| 30° | 1272.1 | 1264.9 | 1263.5 | 1266.3 | 1262.0 | 1254.8 | 1251.9 | 1249.0 |
| 32.5° | 1223.1 | 1215.9 | 1217.3 | 1215.9 | 1213.0 | 1205.8 | 1200.0 | 1200.0 |
| 35° | 1172.6 | 1163.9 | 1166.8 | 1165.4 | 1159.6 | 1155.3 | 1151.0 | 1148.1 |
| 37.5° | 1119.2 | 1112.0 | 1114.9 | 1112.0 | 1107.7 | 1103.4 | 1097.6 | 1096.2 |
| 40° | 1064.4 | 1061.5 | 1061.5 | 1058.7 | 1054.3 | 1048.6 | 1047.1 | 1042.8 |
| 42.5° | 1009.6 | 1008.2 | 1008.2 | 1003.8 | 999.5 | 995.2 | 992.3 | 990.9 |
| 45° | 956.3 | 951.9 | 954.8 | 950.5 | 944.7 | 940.4 | 937.5 | 936.1 |
| 47.5° | 901.4 | 897.1 | 897.1 | 894.2 | 888.5 | 885.6 | 882.7 | 882.7 |
| 50° | 846.6 | 840.9 | 839.4 | 838.0 | 833.7 | 830.8 | 826.4 | 827.9 |
| 52.5° | 790.4 | 787.5 | 786.1 | 781.7 | 777.4 | 774.5 | 773.1 | 774.5 |
| 55° | 734.1 | 731.3 | 728.4 | 725.5 | 721.2 | 718.3 | 715.4 | 716.8 |
| 57.5° | 677.9 | 672.1 | 672.1 | 667.8 | 664.9 | 662.0 | 659.1 | 659.1 |
| 60° | 620.2 | 617.3 | 614.4 | 611.5 | 608.7 | 605.8 | 605.8 | 602.9 |
| 62.5° | 562.5 | 559.6 | 556.7 | 552.4 | 551.0 | 548.1 | 549.5 | 546.6 |
| 65° | 504.8 | 500.5 | 500.5 | 496.2 | 494.7 | 491.8 | 493.3 | 491.8 |
| 67.5° | 447.1 | 444.2 | 442.8 | 439.9 | 437.0 | 435.6 | 435.6 | 435.6 |
| 70° | 389.4 | 386.5 | 385.1 | 385.1 | 380.8 | 376.4 | 379.3 | 377.9 |
| 72.5° | 328.8 | 327.4 | 324.5 | 323.1 | 320.2 | 318.8 | 320.2 | 318.8 |
| 75° | 272.6 | 271.2 | 269.7 | 268.3 | 263.9 | 263.9 | 265.4 | 263.9 |
| 77.5° | 216.3 | 214.9 | 213.5 | 214.9 | 209.1 | 209.1 | 209.1 | 207.7 |
| 80° | 161.5 | 160.1 | 157.2 | 158.7 | 155.8 | 152.9 | 152.9 | 155.8 |
| 82.5° | 103.8 | 103.8 | 101.0 | 101.0 | 101.0 | 96.6 | 98.1 | 99.5 |
| 85° | 53.4 | 53.4 | 51.9 | 53.4 | 49.0 | 49.0 | 49.0 | 47.6 |
| 87.5° | 11.5 | 11.5 | 10.1 | 11.5 | 10.1 | 10.1 | 10.1 | 11.5 |
| 90° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 92.5° | 7.2 | 7.2 | 7.2 | 8.7 | 7.2 | 7.2 | 7.2 | 7.2 |
| 95° | 17.3 | 18.8 | 18.8 | 18.8 | 17.3 | 17.3 | 17.3 | 15.9 |
| 97.5° | 28.8 | 28.8 | 28.8 | 28.8 | 27.4 | 27.4 | 27.4 | 26.0 |
| 100° | 37.5 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 37.5 |
| 102.5° | 46.2 | 46.2 | 46.2 | 47.6 | 47.6 | 47.6 | 47.6 | 46.2 |
| 105° | 51.9 | 53.4 | 53.4 | 54.8 | 56.3 | 56.3 | 56.3 | 54.8 |
| 107.5° | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 63.5 | 62.0 | 62.0 |
| 110° | 75.0 | 73.6 | 73.6 | 73.6 | 72.1 | 72.1 | 72.1 | 72.1 |



TEST NUMBER: P303085

CATALOG NUMBER: CTW-F-2575-40L830-UNV-STD-6

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|
| 112.5° | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 86.5 | 86.5 | 86.5 |
| 115° | 95.2 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 99.5 | 99.5 |
| 117.5° | 102.4 | 103.8 | 105.3 | 105.3 | 106.7 | 106.7 | 108.2 | 108.2 |
| 120° | 109.6 | 111.1 | 111.1 | 112.5 | 112.5 | 112.5 | 113.9 | 113.9 |
| 122.5° | 118.3 | 118.3 | 118.3 | 118.3 | 119.7 | 118.3 | 119.7 | 119.7 |
| 125° | 129.8 | 128.4 | 128.4 | 126.9 | 126.9 | 125.5 | 125.5 | 125.5 |
| 127.5° | 144.2 | 141.3 | 139.9 | 138.5 | 137.0 | 135.6 | 134.1 | 134.1 |
| 130° | 163.0 | 157.2 | 155.8 | 154.3 | 150.0 | 148.6 | 147.1 | 147.1 |
| 132.5° | 183.2 | 178.8 | 176.0 | 173.1 | 168.8 | 165.9 | 164.4 | 163.0 |
| 135° | 207.7 | 201.9 | 197.6 | 194.7 | 190.4 | 186.1 | 183.2 | 183.2 |
| 137.5° | 229.3 | 223.6 | 220.7 | 217.8 | 213.5 | 209.1 | 207.7 | 206.3 |
| 140° | 252.4 | 246.6 | 243.8 | 240.9 | 236.5 | 232.2 | 229.3 | 229.3 |
| 142.5° | 274.0 | 268.3 | 266.8 | 263.9 | 259.6 | 255.3 | 253.8 | 252.4 |
| 145° | 297.1 | 291.3 | 288.5 | 287.0 | 282.7 | 278.4 | 275.5 | 275.5 |
| 147.5° | 318.8 | 313.0 | 311.5 | 308.7 | 305.8 | 300.0 | 298.6 | 297.1 |
| 150° | 340.4 | 334.6 | 333.2 | 331.7 | 328.8 | 323.1 | 320.2 | 320.2 |
| 152.5° | 360.6 | 354.8 | 353.4 | 353.4 | 350.5 | 346.2 | 343.3 | 341.8 |
| 155° | 382.2 | 377.9 | 376.4 | 376.4 | 373.6 | 367.8 | 363.5 | 363.5 |
| 157.5° | 401.0 | 396.6 | 395.2 | 395.2 | 392.3 | 389.4 | 388.0 | 388.0 |
| 160° | 419.7 | 415.4 | 413.9 | 413.9 | 412.5 | 409.6 | 408.2 | 408.2 |
| 162.5° | 435.6 | 432.7 | 431.3 | 431.3 | 431.3 | 428.4 | 425.5 | 426.9 |
| 165° | 451.4 | 447.1 | 447.1 | 445.7 | 447.1 | 444.2 | 442.8 | 444.2 |
| 167.5° | 463.0 | 461.5 | 460.1 | 460.1 | 460.1 | 458.7 | 458.7 | 458.7 |
| 170° | 476.0 | 474.5 | 474.5 | 473.1 | 473.1 | 473.1 | 470.2 | 471.6 |
| 172.5° | 487.5 | 486.1 | 486.1 | 486.1 | 486.1 | 484.6 | 481.7 | 483.2 |
| 175° | 499.0 | 497.6 | 497.6 | 497.6 | 497.6 | 496.2 | 491.8 | 491.8 |
| 177.5° | 509.1 | 509.1 | 507.7 | 507.7 | 507.7 | 504.8 | 499.0 | 500.5 |
| 180° | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 | 516.3 |

(END OF REPORT)