

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

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P621687

Luminaire Tested: VLT-FA-100U-100D-840-UNV-STD-W-4

Issue Date: 9/2/2020

Test Information

Test Method: LM-79-2019
Report Number: P621687
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2203-563-26, G2-2203-563-21)
Test Lab: INNOVATION CENTER
Issue Date: 9/2/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: VLT-FA-100U-100D-840-UNV-STD-W-4
Description: CORELITE VAULT SUSPENDED LED LUMINAIRE
LIGHT SHAPING LENS - ASYMMETRIC
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

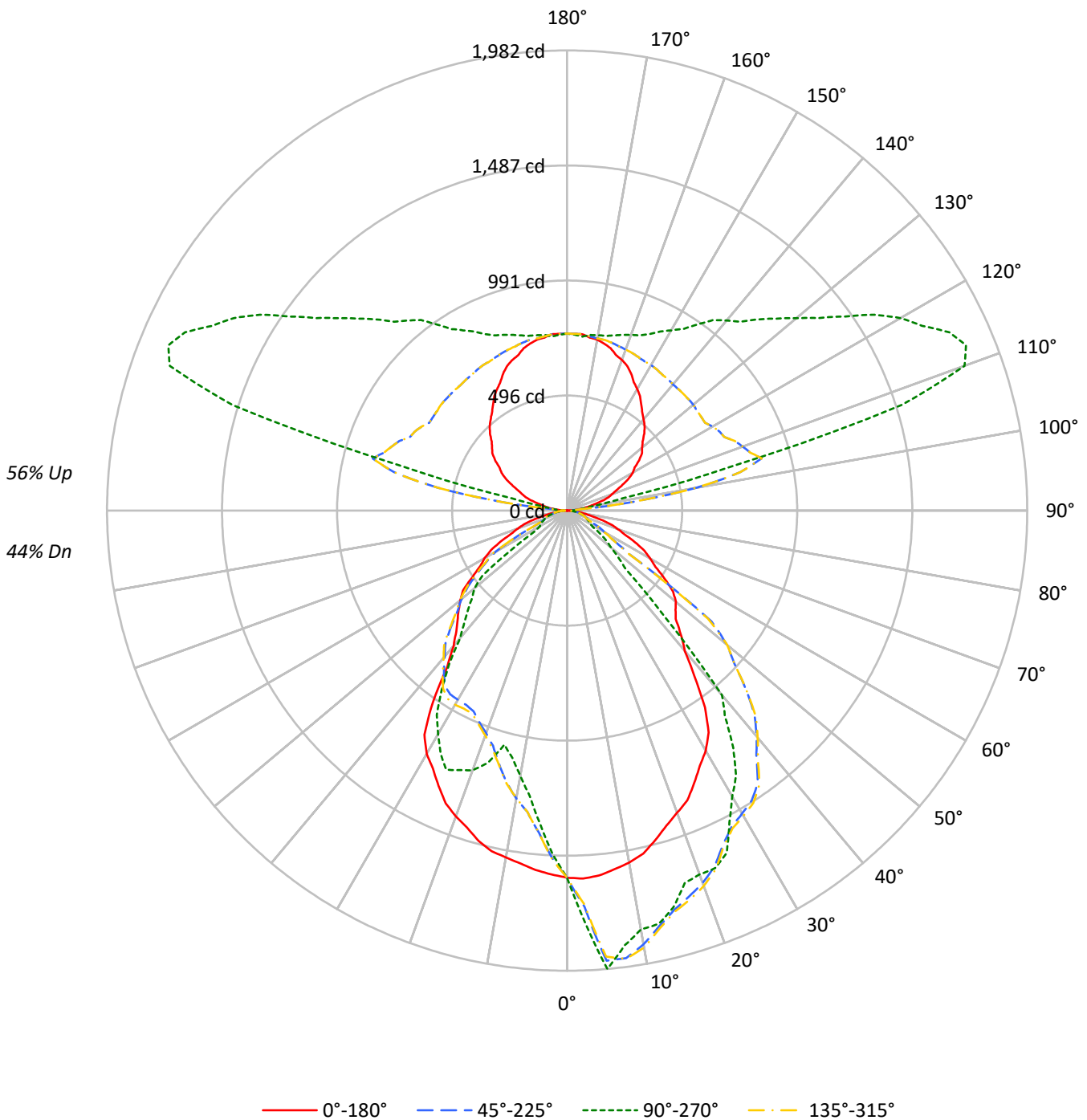
Lumens per Lamp: N/A
Luminaire Lumens: 7355.6 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.19 / 1.3
Luminous Opening: Rectangular (W 0.38' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 58.2
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: 24 FT



TEST NUMBER: P621687
CATALOG NUMBER: VLT-FA-100U-100D-840-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P621687

CATALOG NUMBER: VLT-FA-100U-100D-840-UNV-STD-W-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 | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 80 | 80 | 80 | 65 | 65 | 65 | 51 | 51 | 51 | 44 |
| 1 | 97 | 93 | 90 | 86 | 89 | 86 | 83 | 80 | 71 | 69 | 67 | 58 | 57 | 56 | 46 | 45 | 44 | 39 |
| 2 | 89 | 82 | 77 | 72 | 82 | 76 | 71 | 67 | 63 | 60 | 57 | 52 | 50 | 48 | 42 | 40 | 39 | 34 |
| 3 | 82 | 73 | 66 | 61 | 75 | 67 | 61 | 57 | 57 | 52 | 49 | 47 | 44 | 41 | 37 | 35 | 34 | 29 |
| 4 | 75 | 65 | 58 | 52 | 69 | 60 | 54 | 49 | 51 | 46 | 42 | 42 | 39 | 36 | 34 | 32 | 30 | 26 |
| 5 | 69 | 58 | 51 | 45 | 63 | 54 | 47 | 42 | 46 | 41 | 37 | 38 | 34 | 31 | 31 | 28 | 26 | 23 |
| 6 | 64 | 52 | 45 | 39 | 58 | 49 | 42 | 37 | 41 | 36 | 32 | 35 | 31 | 28 | 28 | 25 | 23 | 20 |
| 7 | 59 | 47 | 40 | 35 | 54 | 44 | 37 | 33 | 38 | 32 | 29 | 32 | 28 | 25 | 26 | 23 | 21 | 18 |
| 8 | 55 | 43 | 36 | 31 | 50 | 40 | 34 | 29 | 34 | 29 | 26 | 29 | 25 | 22 | 24 | 21 | 19 | 17 |
| 9 | 51 | 39 | 32 | 27 | 47 | 37 | 30 | 26 | 32 | 27 | 23 | 27 | 23 | 20 | 22 | 19 | 17 | 15 |
| 10 | 48 | 36 | 29 | 25 | 44 | 34 | 28 | 23 | 29 | 24 | 21 | 25 | 21 | 18 | 21 | 18 | 16 | 14 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|-------|-------|-------|-------|
| 0° | 11346 | 11346 | 11346 | 11346 |
| 5° | 11366 | 14275 | 11193 | 9732 |
| 10° | 11216 | 13350 | 11052 | 8450 |
| 15° | 10910 | 13144 | 10946 | 7755 |
| 20° | 10576 | 12738 | 10699 | 9090 |
| 25° | 10252 | 12876 | 10367 | 9755 |
| 30° | 9889 | 11782 | 10023 | 9210 |
| 35° | 9061 | 10920 | 8835 | 8257 |
| 40° | 7383 | 9719 | 7127 | 6720 |
| 45° | 6709 | 3608 | 6774 | 6121 |
| 50° | 6823 | 2747 | 6698 | 5817 |
| 55° | 6439 | 2133 | 6218 | 3482 |
| 60° | 5933 | 1639 | 5887 | 1939 |
| 65° | 5462 | 1693 | 5354 | 2048 |
| 70° | 4859 | 1788 | 4725 | 2125 |
| 75° | 4148 | 1874 | 3970 | 2185 |
| 80° | 3124 | 1926 | 2926 | 2260 |
| 85° | 2116 | 1721 | 1853 | 2116 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12423 cd/sqm



TEST NUMBER: P621687

CATALOG NUMBER: VLT-FA-100U-100D-840-UNV-STD-W-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 152.5 | 2.1 |
| 10°-20° | 417.8 | 5.7 |
| 20°-30° | 625.2 | 8.5 |
| 30°-40° | 711.0 | 9.7 |
| 40°-50° | 608.1 | 8.3 |
| 50°-60° | 410.1 | 5.6 |
| 60°-70° | 211.7 | 2.9 |
| 70°-80° | 95.6 | 1.3 |
| 80°-90° | 30.1 | 0.4 |
| 90°-100° | 93.7 | 1.3 |
| 100°-110° | 667.6 | 9.1 |
| 110°-120° | 906.4 | 12.3 |
| 120°-130° | 737.7 | 10.0 |
| 130°-140° | 593.3 | 8.1 |
| 140°-150° | 467.8 | 6.4 |
| 150°-160° | 342.0 | 4.6 |
| 160°-170° | 212.4 | 2.9 |
| 170°-180° | 72.4 | 1.0 |
| 0°-30° | 1195.6 | 16.3 |
| 0°-40° | 1906.6 | 25.9 |
| 0°-60° | 2924.7 | 39.8 |
| 0°-90° | 3262.1 | 44.3 |
| 90°-120° | 1667.7 | 22.7 |
| 90°-150° | 3466.6 | 47.1 |
| 90°-180° | 4094.0 | 55.7 |
| 0°-180° | 7355.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1581 | 1581 | 1581 | 1581 | 1581 | |
| 5° | 1578 | 1982 | 1554 | 1351 | 1578 | 149 |
| 15° | 1468 | 1769 | 1473 | 1044 | 1468 | 413 |
| 25° | 1295 | 1626 | 1309 | 1232 | 1295 | 596 |
| 35° | 1034 | 1247 | 1008 | 943 | 1034 | 632 |
| 45° | 661 | 356 | 668 | 603 | 661 | 525 |
| 55° | 515 | 170 | 497 | 278 | 515 | 459 |
| 65° | 322 | 100 | 315 | 121 | 322 | 318 |
| 75° | 150 | 68 | 143 | 79 | 150 | 159 |
| 85° | 26 | 21 | 22 | 26 | 26 | 33 |
| 90° | 0 | 14 | 0 | 14 | 0 | 3 |
| 95° | 38 | 53 | 38 | 53 | 38 | 43 |
| 105° | 149 | 733 | 149 | 733 | 149 | 157 |
| 115° | 264 | 1816 | 264 | 1816 | 264 | 262 |
| 125° | 379 | 1457 | 379 | 1457 | 379 | 336 |
| 135° | 470 | 1165 | 470 | 1165 | 470 | 361 |
| 145° | 556 | 978 | 556 | 978 | 556 | 349 |
| 155° | 652 | 839 | 652 | 839 | 652 | 299 |
| 165° | 724 | 781 | 724 | 781 | 724 | 203 |
| 175° | 762 | 752 | 762 | 752 | 762 | 72 |
| 180° | 762 | 762 | 762 | 762 | 762 | |



TEST NUMBER: P621687

CATALOG NUMBER: VLT-FA-100U-100D-840-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 |
| 2.5° | 1586.3 | 1640.4 | 1708.5 | 1755.3 | 1775.4 | 1755.3 | 1697.0 | 1640.0 | 1568.3 | 1546.9 | 1496.2 |
| 5° | 1577.9 | 1744.6 | 1946.3 | 1970.6 | 1981.7 | 1970.6 | 1928.6 | 1734.7 | 1553.8 | 1476.7 | 1392.9 |
| 7.5° | 1558.6 | 1850.2 | 1944.0 | 1889.7 | 1890.0 | 1900.0 | 1946.9 | 1841.2 | 1533.5 | 1412.4 | 1309.6 |
| 10° | 1539.3 | 1908.9 | 1896.4 | 1817.9 | 1832.1 | 1825.8 | 1910.9 | 1897.4 | 1516.8 | 1376.8 | 1259.4 |
| 12.5° | 1513.6 | 1927.2 | 1833.4 | 1807.6 | 1823.1 | 1814.3 | 1842.7 | 1917.2 | 1502.6 | 1351.4 | 1201.5 |
| 15° | 1468.5 | 1901.1 | 1780.6 | 1769.3 | 1769.3 | 1777.2 | 1788.6 | 1909.0 | 1473.4 | 1305.1 | 1130.8 |
| 17.5° | 1422.2 | 1848.8 | 1743.9 | 1688.1 | 1682.2 | 1692.5 | 1757.1 | 1862.2 | 1431.9 | 1253.8 | 1062.2 |
| 20° | 1384.9 | 1812.7 | 1706.6 | 1641.3 | 1668.0 | 1644.4 | 1721.1 | 1822.5 | 1401.0 | 1221.7 | 1019.8 |
| 22.5° | 1351.5 | 1767.9 | 1659.0 | 1631.2 | 1666.7 | 1631.8 | 1672.2 | 1777.6 | 1365.0 | 1185.7 | 987.6 |
| 25° | 1294.8 | 1692.7 | 1587.6 | 1613.6 | 1626.2 | 1613.6 | 1594.0 | 1699.3 | 1309.3 | 1139.5 | 953.8 |
| 27.5° | 1238.5 | 1613.5 | 1534.2 | 1551.6 | 1513.3 | 1542.8 | 1542.9 | 1613.8 | 1252.0 | 1085.6 | 943.5 |
| 30° | 1193.5 | 1558.4 | 1507.2 | 1481.7 | 1421.9 | 1469.1 | 1518.4 | 1558.7 | 1209.6 | 1050.7 | 941.0 |
| 32.5° | 1134.3 | 1508.0 | 1480.1 | 1392.1 | 1353.7 | 1385.8 | 1492.7 | 1506.9 | 1144.0 | 1019.1 | 938.4 |
| 35° | 1034.3 | 1436.9 | 1431.6 | 1285.9 | 1246.6 | 1276.5 | 1442.8 | 1433.2 | 1008.5 | 969.2 | 918.4 |
| 37.5° | 900.1 | 1373.5 | 1338.6 | 1178.6 | 1116.0 | 1170.7 | 1349.2 | 1366.7 | 848.3 | 923.5 | 871.8 |
| 40° | 788.2 | 1330.8 | 1269.1 | 1098.8 | 1037.5 | 1090.9 | 1277.1 | 1327.0 | 760.8 | 891.4 | 820.3 |
| 42.5° | 725.1 | 1292.9 | 1195.7 | 1014.4 | 634.7 | 1001.5 | 1203.8 | 1288.1 | 706.8 | 849.9 | 775.3 |
| 45° | 661.1 | 1224.1 | 1088.9 | 561.5 | 355.5 | 534.8 | 1090.6 | 1207.0 | 667.5 | 787.1 | 706.1 |
| 47.5° | 633.1 | 1139.5 | 977.3 | 338.2 | 300.1 | 328.5 | 976.4 | 1121.0 | 633.4 | 724.0 | 640.2 |
| 50° | 611.2 | 1086.2 | 897.5 | 298.0 | 246.1 | 287.0 | 899.1 | 1068.6 | 600.0 | 681.7 | 595.1 |
| 52.5° | 575.2 | 1022.5 | 783.0 | 246.9 | 212.6 | 241.0 | 764.0 | 1002.4 | 565.2 | 635.7 | 538.5 |
| 55° | 514.7 | 900.0 | 326.5 | 194.1 | 170.5 | 186.2 | 310.4 | 869.8 | 497.0 | 563.1 | 472.9 |
| 57.5° | 450.7 | 766.2 | 229.0 | 151.1 | 132.2 | 149.5 | 227.4 | 735.5 | 442.3 | 476.9 | 412.4 |
| 60° | 413.4 | 676.0 | 186.6 | 126.8 | 114.2 | 125.2 | 185.0 | 649.2 | 410.2 | 419.6 | 357.1 |
| 62.5° | 376.1 | 584.6 | 154.4 | 111.5 | 107.8 | 110.0 | 154.1 | 555.2 | 370.3 | 370.9 | 251.6 |
| 65° | 321.7 | 442.8 | 114.2 | 101.3 | 99.7 | 99.7 | 111.0 | 426.9 | 315.3 | 305.8 | 144.8 |
| 67.5° | 266.4 | 318.0 | 91.7 | 93.3 | 91.7 | 91.7 | 90.1 | 309.0 | 259.9 | 243.9 | 109.4 |
| 70° | 231.6 | 244.2 | 85.2 | 86.8 | 85.2 | 85.2 | 83.6 | 237.8 | 225.2 | 189.0 | 102.9 |
| 72.5° | 198.2 | 166.7 | 78.8 | 79.1 | 78.8 | 78.8 | 77.2 | 156.5 | 191.7 | 132.9 | 93.9 |
| 75° | 149.6 | 83.5 | 67.6 | 67.6 | 67.6 | 67.6 | 65.9 | 80.2 | 143.2 | 86.5 | 80.4 |
| 77.5° | 103.9 | 55.2 | 56.0 | 55.7 | 55.7 | 54.4 | 54.4 | 54.7 | 97.8 | 59.7 | 65.0 |
| 80° | 75.6 | 45.7 | 48.3 | 46.6 | 46.6 | 46.6 | 46.6 | 44.0 | 70.8 | 50.3 | 54.7 |
| 82.5° | 53.7 | 36.4 | 39.2 | 37.6 | 37.6 | 37.6 | 37.6 | 36.0 | 48.9 | 41.0 | 44.4 |
| 85° | 25.7 | 24.2 | 25.7 | 22.5 | 20.9 | 22.5 | 24.1 | 24.1 | 22.5 | 27.2 | 29.0 |
| 87.5° | 7.7 | 12.4 | 12.2 | 10.6 | 10.6 | 10.6 | 10.9 | 11.1 | 6.4 | 13.7 | 13.5 |
| 90° | 0.0 | 4.7 | 9.6 | 14.4 | 14.4 | 14.4 | 9.6 | 4.7 | 0.0 | 4.7 | 9.6 |
| 92.5° | 11.5 | 16.2 | 21.1 | 29.8 | 33.5 | 29.8 | 21.1 | 16.2 | 11.5 | 16.2 | 21.1 |
| 95° | 38.3 | 71.1 | 38.3 | 43.3 | 52.7 | 43.3 | 38.3 | 71.1 | 38.3 | 71.1 | 38.3 |
| 97.5° | 68.1 | 136.5 | 281.8 | 83.1 | 71.9 | 83.1 | 281.8 | 136.5 | 68.1 | 136.5 | 281.8 |
| 100° | 91.1 | 170.7 | 565.5 | 166.5 | 110.2 | 166.5 | 565.5 | 170.7 | 91.1 | 170.7 | 565.5 |
| 102.5° | 114.1 | 197.5 | 764.9 | 439.3 | 240.6 | 439.3 | 764.9 | 197.5 | 114.1 | 197.5 | 764.9 |
| 105° | 148.6 | 228.2 | 867.5 | 1108.2 | 733.3 | 1108.2 | 867.5 | 228.2 | 148.6 | 228.2 | 867.5 |
| 107.5° | 183.1 | 243.1 | 828.2 | 1612.8 | 1510.7 | 1612.8 | 828.2 | 243.1 | 183.1 | 243.1 | 828.2 |
| 110° | 206.1 | 262.3 | 805.2 | 1694.7 | 1821.3 | 1694.7 | 805.2 | 262.3 | 206.1 | 262.3 | 805.2 |



TEST NUMBER: P621687

CATALOG NUMBER: VLT-FA-100U-100D-840-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|--------|-------|-------|-------|--------|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 229.1 | 285.3 | 782.2 | 1646.8 | 1859.6 | 1646.8 | 782.2 | 285.3 | 229.1 | 285.3 | 782.2 |
| 115° | 263.6 | 319.8 | 747.7 | 1554.0 | 1816.5 | 1554.0 | 747.7 | 319.8 | 263.6 | 319.8 | 747.7 |
| 117.5° | 299.1 | 354.4 | 739.0 | 1453.6 | 1723.5 | 1453.6 | 739.0 | 354.4 | 299.1 | 354.4 | 739.0 |
| 120° | 325.9 | 377.5 | 723.7 | 1377.1 | 1658.3 | 1377.1 | 723.7 | 377.5 | 325.9 | 377.5 | 723.7 |
| 122.5° | 345.1 | 400.4 | 704.5 | 1311.4 | 1570.1 | 1311.4 | 704.5 | 400.4 | 345.1 | 400.4 | 704.5 |
| 125° | 378.6 | 430.2 | 704.5 | 1232.1 | 1457.0 | 1232.1 | 704.5 | 430.2 | 378.6 | 430.2 | 704.5 |
| 127.5° | 406.4 | 458.9 | 705.5 | 1140.0 | 1362.1 | 1140.0 | 705.5 | 458.9 | 406.4 | 458.9 | 705.5 |
| 130° | 421.8 | 478.0 | 709.3 | 1078.4 | 1289.3 | 1078.4 | 709.3 | 478.0 | 421.8 | 478.0 | 709.3 |
| 132.5° | 440.9 | 497.2 | 709.3 | 1050.7 | 1224.1 | 1050.7 | 709.3 | 497.2 | 440.9 | 497.2 | 709.3 |
| 135° | 469.7 | 521.2 | 709.3 | 1014.7 | 1164.6 | 1014.7 | 709.3 | 521.2 | 469.7 | 521.2 | 709.3 |
| 137.5° | 493.7 | 549.0 | 709.3 | 974.9 | 1103.3 | 974.9 | 709.3 | 549.0 | 493.7 | 549.0 | 709.3 |
| 140° | 512.8 | 564.4 | 709.3 | 951.6 | 1068.8 | 951.6 | 709.3 | 564.4 | 512.8 | 564.4 | 709.3 |
| 142.5° | 532.0 | 579.8 | 713.2 | 924.6 | 1034.3 | 924.6 | 713.2 | 579.8 | 532.0 | 579.8 | 713.2 |
| 145° | 556.0 | 602.8 | 714.1 | 884.0 | 977.7 | 884.0 | 714.1 | 602.8 | 556.0 | 602.8 | 714.1 |
| 147.5° | 584.7 | 626.0 | 719.9 | 854.8 | 926.9 | 854.8 | 719.9 | 626.0 | 584.7 | 626.0 | 719.9 |
| 150° | 603.9 | 641.4 | 723.7 | 835.3 | 896.2 | 835.3 | 723.7 | 641.4 | 603.9 | 641.4 | 723.7 |
| 152.5° | 623.1 | 656.8 | 723.7 | 819.7 | 869.4 | 819.7 | 723.7 | 656.8 | 623.1 | 656.8 | 723.7 |
| 155° | 651.8 | 675.2 | 728.5 | 801.2 | 838.7 | 801.2 | 728.5 | 675.2 | 651.8 | 675.2 | 728.5 |
| 157.5° | 674.8 | 697.3 | 734.3 | 789.5 | 816.7 | 789.5 | 734.3 | 697.3 | 674.8 | 697.3 | 734.3 |
| 160° | 690.2 | 708.9 | 738.1 | 781.8 | 805.2 | 781.8 | 738.1 | 708.9 | 690.2 | 708.9 | 738.1 |
| 162.5° | 701.7 | 720.4 | 741.9 | 777.7 | 793.7 | 777.7 | 741.9 | 720.4 | 701.7 | 720.4 | 741.9 |
| 165° | 723.7 | 733.1 | 747.7 | 767.2 | 781.2 | 767.2 | 747.7 | 733.1 | 723.7 | 733.1 | 747.7 |
| 167.5° | 736.2 | 744.6 | 752.5 | 762.2 | 770.7 | 762.2 | 752.5 | 744.6 | 736.2 | 744.6 | 752.5 |
| 170° | 747.7 | 752.4 | 752.5 | 762.2 | 766.8 | 762.2 | 752.5 | 752.4 | 747.7 | 752.4 | 752.5 |
| 172.5° | 751.5 | 759.9 | 756.3 | 758.3 | 763.0 | 758.3 | 756.3 | 759.9 | 751.5 | 759.9 | 756.3 |
| 175° | 762.1 | 766.7 | 762.1 | 757.2 | 752.5 | 757.2 | 762.1 | 766.7 | 762.1 | 766.7 | 762.1 |
| 177.5° | 762.1 | 765.8 | 762.1 | 762.0 | 758.2 | 762.0 | 762.1 | 765.8 | 762.1 | 765.8 | 762.1 |
| 180° | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 |



TEST NUMBER: P621687

CATALOG NUMBER: VLT-FA-100U-100D-840-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 | 1581.1 |
| 2.5° | 1478.2 | 1476.9 | 1479.4 | 1501.4 | 1546.0 | 1586.3 |
| 5° | 1346.4 | 1351.1 | 1355.8 | 1392.9 | 1471.0 | 1577.9 |
| 7.5° | 1245.1 | 1238.2 | 1248.9 | 1309.3 | 1405.1 | 1558.6 |
| 10° | 1175.4 | 1159.7 | 1175.4 | 1257.8 | 1369.5 | 1539.3 |
| 12.5° | 1109.7 | 1090.2 | 1114.8 | 1205.1 | 1340.0 | 1513.6 |
| 15° | 1025.0 | 1043.9 | 1032.9 | 1134.0 | 1295.5 | 1468.5 |
| 17.5° | 1045.1 | 1140.1 | 1065.2 | 1072.2 | 1251.4 | 1422.2 |
| 20° | 1092.8 | 1190.3 | 1124.2 | 1031.0 | 1222.9 | 1384.9 |
| 22.5° | 1136.0 | 1209.6 | 1149.8 | 996.3 | 1194.5 | 1351.5 |
| 25° | 1169.2 | 1232.1 | 1166.0 | 965.1 | 1153.3 | 1294.8 |
| 27.5° | 1170.9 | 1179.7 | 1171.5 | 962.5 | 1102.3 | 1238.5 |
| 30° | 1149.2 | 1111.5 | 1146.1 | 965.1 | 1066.1 | 1193.5 |
| 32.5° | 1087.3 | 1044.6 | 1074.1 | 959.9 | 1029.6 | 1134.3 |
| 35° | 999.2 | 942.6 | 983.5 | 932.9 | 972.9 | 1034.3 |
| 37.5° | 906.2 | 834.5 | 891.1 | 879.5 | 924.6 | 900.1 |
| 40° | 843.2 | 717.4 | 830.6 | 826.8 | 898.3 | 788.2 |
| 42.5° | 762.6 | 655.6 | 751.2 | 784.3 | 869.2 | 725.1 |
| 45° | 615.8 | 603.2 | 609.5 | 712.6 | 807.4 | 661.1 |
| 47.5° | 563.1 | 554.6 | 560.0 | 647.3 | 737.5 | 633.1 |
| 50° | 532.2 | 521.1 | 529.0 | 604.8 | 693.0 | 611.2 |
| 52.5° | 489.3 | 459.4 | 486.1 | 546.9 | 646.9 | 575.2 |
| 55° | 367.9 | 278.3 | 366.3 | 480.9 | 577.6 | 514.7 |
| 57.5° | 215.9 | 160.8 | 211.2 | 418.5 | 489.4 | 450.7 |
| 60° | 146.1 | 135.1 | 147.7 | 368.3 | 430.7 | 413.4 |
| 62.5° | 133.4 | 130.0 | 133.7 | 256.4 | 378.3 | 376.1 |
| 65° | 122.2 | 120.6 | 122.2 | 148.0 | 312.3 | 321.7 |
| 67.5° | 110.6 | 109.1 | 111.9 | 113.6 | 246.5 | 266.4 |
| 70° | 102.9 | 101.3 | 102.9 | 104.6 | 189.2 | 231.6 |
| 72.5° | 93.9 | 92.3 | 93.9 | 95.5 | 133.1 | 198.2 |
| 75° | 80.4 | 78.8 | 80.4 | 82.0 | 88.3 | 149.6 |
| 77.5° | 65.0 | 65.0 | 66.6 | 66.6 | 61.8 | 103.9 |
| 80° | 54.7 | 54.7 | 56.3 | 56.3 | 53.6 | 75.6 |
| 82.5° | 44.4 | 43.1 | 45.9 | 47.3 | 44.3 | 53.7 |
| 85° | 27.3 | 25.7 | 28.9 | 30.6 | 28.9 | 25.7 |
| 87.5° | 13.1 | 11.9 | 14.4 | 16.1 | 14.9 | 7.7 |
| 90° | 14.4 | 14.4 | 14.4 | 9.6 | 4.7 | 0.0 |
| 92.5° | 29.8 | 33.5 | 29.8 | 21.1 | 16.2 | 11.5 |
| 95° | 43.3 | 52.7 | 43.3 | 38.3 | 71.1 | 38.3 |
| 97.5° | 83.1 | 71.9 | 83.1 | 281.8 | 136.5 | 68.1 |
| 100° | 166.5 | 110.2 | 166.5 | 565.5 | 170.7 | 91.1 |
| 102.5° | 439.3 | 240.6 | 439.3 | 764.9 | 197.5 | 114.1 |
| 105° | 1108.2 | 733.3 | 1108.2 | 867.5 | 228.2 | 148.6 |
| 107.5° | 1612.8 | 1510.7 | 1612.8 | 828.2 | 243.1 | 183.1 |
| 110° | 1694.7 | 1821.3 | 1694.7 | 805.2 | 262.3 | 206.1 |



TEST NUMBER: P621687

CATALOG NUMBER: VLT-FA-100U-100D-840-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 1646.8 | 1859.6 | 1646.8 | 782.2 | 285.3 | 229.1 |
| 115° | 1554.0 | 1816.5 | 1554.0 | 747.7 | 319.8 | 263.6 |
| 117.5° | 1453.6 | 1723.5 | 1453.6 | 739.0 | 354.4 | 299.1 |
| 120° | 1377.1 | 1658.3 | 1377.1 | 723.7 | 377.5 | 325.9 |
| 122.5° | 1311.4 | 1570.1 | 1311.4 | 704.5 | 400.4 | 345.1 |
| 125° | 1232.1 | 1457.0 | 1232.1 | 704.5 | 430.2 | 378.6 |
| 127.5° | 1140.0 | 1362.1 | 1140.0 | 705.5 | 458.9 | 406.4 |
| 130° | 1078.4 | 1289.3 | 1078.4 | 709.3 | 478.0 | 421.8 |
| 132.5° | 1050.7 | 1224.1 | 1050.7 | 709.3 | 497.2 | 440.9 |
| 135° | 1014.7 | 1164.6 | 1014.7 | 709.3 | 521.2 | 469.7 |
| 137.5° | 974.9 | 1103.3 | 974.9 | 709.3 | 549.0 | 493.7 |
| 140° | 951.6 | 1068.8 | 951.6 | 709.3 | 564.4 | 512.8 |
| 142.5° | 924.6 | 1034.3 | 924.6 | 713.2 | 579.8 | 532.0 |
| 145° | 884.0 | 977.7 | 884.0 | 714.1 | 602.8 | 556.0 |
| 147.5° | 854.8 | 926.9 | 854.8 | 719.9 | 626.0 | 584.7 |
| 150° | 835.3 | 896.2 | 835.3 | 723.7 | 641.4 | 603.9 |
| 152.5° | 819.7 | 869.4 | 819.7 | 723.7 | 656.8 | 623.1 |
| 155° | 801.2 | 838.7 | 801.2 | 728.5 | 675.2 | 651.8 |
| 157.5° | 789.5 | 816.7 | 789.5 | 734.3 | 697.3 | 674.8 |
| 160° | 781.8 | 805.2 | 781.8 | 738.1 | 708.9 | 690.2 |
| 162.5° | 777.7 | 793.7 | 777.7 | 741.9 | 720.4 | 701.7 |
| 165° | 767.2 | 781.2 | 767.2 | 747.7 | 733.1 | 723.7 |
| 167.5° | 762.2 | 770.7 | 762.2 | 752.5 | 744.6 | 736.2 |
| 170° | 762.2 | 766.8 | 762.2 | 752.5 | 752.4 | 747.7 |
| 172.5° | 758.3 | 763.0 | 758.3 | 756.3 | 759.9 | 751.5 |
| 175° | 757.2 | 752.5 | 757.2 | 762.1 | 766.7 | 762.1 |
| 177.5° | 762.0 | 758.2 | 762.0 | 762.1 | 765.8 | 762.1 |
| 180° | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 | 762.1 |

(END OF REPORT)