

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: P621595

Luminaire Tested: VLT-FA-025U-125D-830-UNV-STD-W-4

Issue Date: 9/2/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P621595  
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-025U-125D-830-UNV-STD-W-4  
Description: CORELITE VAULT SUSPENDED LED LUMINAIRE  
LIGHT SHAPING LENS - ASYMMETRIC  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

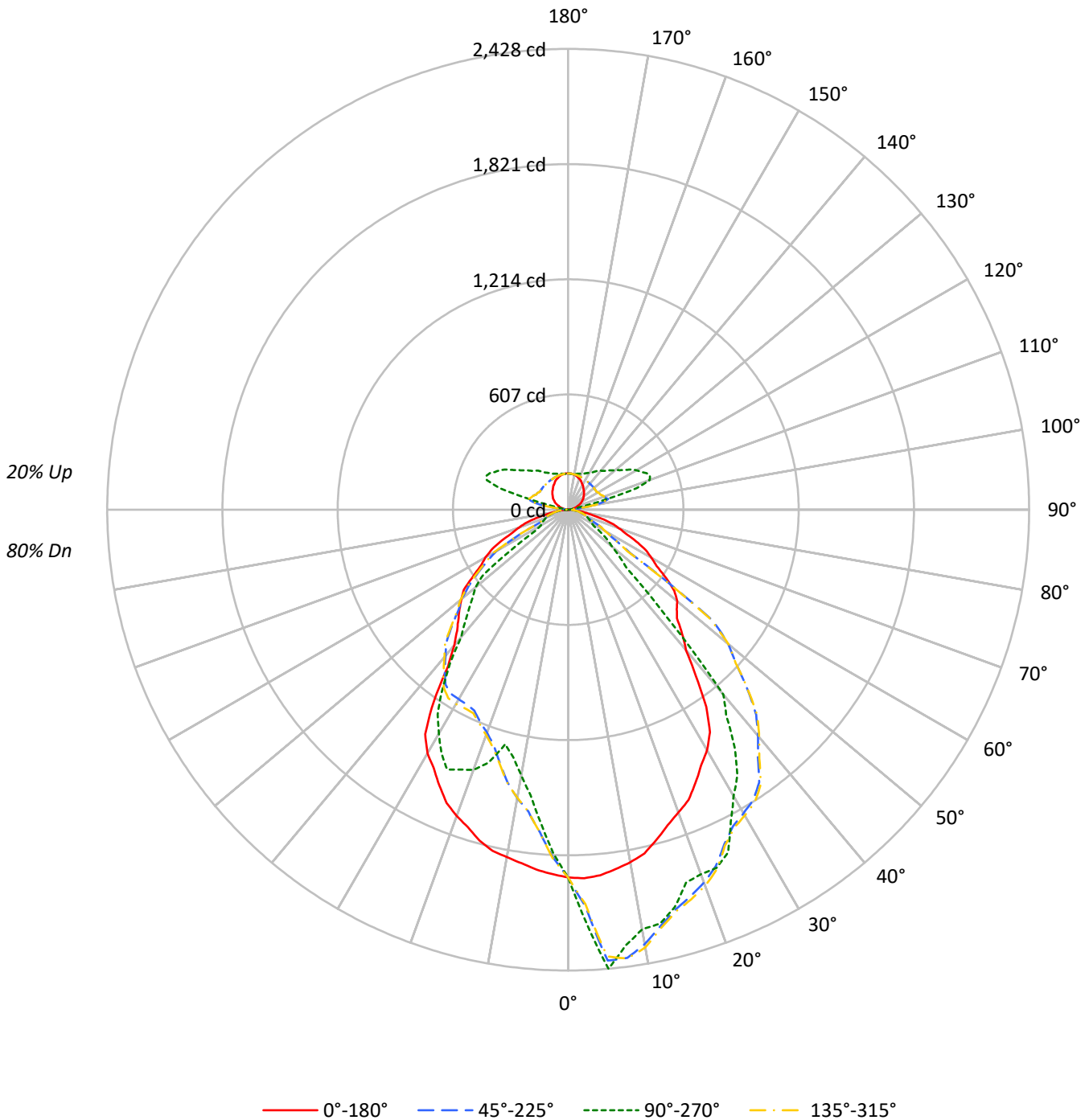
Lumens per Lamp: N/A  
Luminaire Lumens: 5021.9 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.19 / 1.3  
Luminous Opening: Rectangular (W 0.38' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 47  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P621595  
CATALOG NUMBER: VLT-FA-025U-125D-830-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P621595

CATALOG NUMBER: VLT-FA-025U-125D-830-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 | 50 | 30 | 10 | 0  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 114 | 114 | 114 | 114 | 109 | 109 | 109 | 109 | 100 | 100 | 100 | 91 | 91 | 91 | 83 | 83 | 83 | 80 |    |    |    |   |
| 1   | 106 | 102 | 98  | 95  | 101 | 98  | 94  | 92  | 90  | 87  | 85  | 82 | 81 | 79 | 76 | 74 | 73 | 70 |    |    |    |   |
| 2   | 97  | 90  | 85  | 80  | 93  | 87  | 82  | 77  | 80  | 76  | 73  | 74 | 71 | 68 | 68 | 66 | 64 | 61 |    |    |    |   |
| 3   | 90  | 81  | 74  | 68  | 86  | 78  | 71  | 66  | 72  | 67  | 63  | 67 | 63 | 59 | 62 | 58 | 56 | 53 |    |    |    |   |
| 4   | 83  | 72  | 65  | 59  | 79  | 70  | 63  | 57  | 65  | 59  | 55  | 60 | 56 | 52 | 56 | 52 | 49 | 46 |    |    |    |   |
| 5   | 77  | 65  | 57  | 52  | 73  | 63  | 56  | 50  | 59  | 53  | 48  | 55 | 50 | 46 | 51 | 47 | 43 | 41 |    |    |    |   |
| 6   | 71  | 59  | 51  | 46  | 68  | 57  | 50  | 45  | 53  | 47  | 43  | 50 | 45 | 41 | 47 | 42 | 39 | 37 |    |    |    |   |
| 7   | 66  | 54  | 46  | 41  | 63  | 52  | 45  | 40  | 49  | 43  | 38  | 46 | 41 | 37 | 43 | 38 | 35 | 33 |    |    |    |   |
| 8   | 62  | 49  | 42  | 36  | 59  | 48  | 41  | 36  | 45  | 39  | 34  | 42 | 37 | 33 | 40 | 35 | 32 | 30 |    |    |    |   |
| 9   | 58  | 45  | 38  | 33  | 55  | 44  | 37  | 32  | 42  | 35  | 31  | 39 | 34 | 30 | 37 | 32 | 29 | 27 |    |    |    |   |
| 10  | 54  | 42  | 35  | 30  | 52  | 41  | 34  | 29  | 38  | 33  | 28  | 36 | 31 | 27 | 34 | 30 | 26 | 25 |    |    |    |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 13902 | 13902 | 13902 | 13902 |
| 5°  | 13927 | 17490 | 13714 | 11925 |
| 10° | 13743 | 16356 | 13542 | 10354 |
| 15° | 13367 | 16106 | 13412 | 9503  |
| 20° | 12958 | 15607 | 13109 | 11137 |
| 25° | 12562 | 15776 | 12702 | 11953 |
| 30° | 12117 | 14436 | 12280 | 11284 |
| 35° | 11101 | 13380 | 10825 | 10117 |
| 40° | 9046  | 11908 | 8732  | 8234  |
| 45° | 8220  | 4420  | 8300  | 7501  |
| 50° | 8361  | 3366  | 8206  | 7128  |
| 55° | 7891  | 2614  | 7619  | 4265  |
| 60° | 7269  | 2008  | 7213  | 2375  |
| 65° | 6693  | 2075  | 6559  | 2510  |
| 70° | 5954  | 2193  | 5789  | 2606  |
| 75° | 5082  | 2296  | 4863  | 2678  |
| 80° | 3827  | 2364  | 3583  | 2769  |
| 85° | 2594  | 2108  | 2272  | 2594  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15221 cd/sqm



TEST NUMBER: P621595

CATALOG NUMBER: VLT-FA-025U-125D-830-UNV-STD-W-4

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 186.9  | 3.7       |
| 10°-20°   | 511.9  | 10.2      |
| 20°-30°   | 766.0  | 15.3      |
| 30°-40°   | 871.2  | 17.3      |
| 40°-50°   | 745.1  | 14.8      |
| 50°-60°   | 502.4  | 10.0      |
| 60°-70°   | 259.3  | 5.2       |
| 70°-80°   | 117.1  | 2.3       |
| 80°-90°   | 35.3   | 0.7       |
| 90°-100°  | 23.5   | 0.5       |
| 100°-110° | 167.4  | 3.3       |
| 110°-120° | 227.3  | 4.5       |
| 120°-130° | 185.0  | 3.7       |
| 130°-140° | 148.8  | 3.0       |
| 140°-150° | 117.3  | 2.3       |
| 150°-160° | 85.8   | 1.7       |
| 160°-170° | 53.3   | 1.1       |
| 170°-180° | 18.2   | 0.4       |
| 0°-30°    | 1464.9 | 29.2      |
| 0°-40°    | 2336.0 | 46.5      |
| 0°-60°    | 3583.5 | 71.4      |
| 0°-90°    | 3995.2 | 79.6      |
| 90°-120°  | 418.3  | 8.3       |
| 90°-150°  | 869.5  | 17.3      |
| 90°-180°  | 1027.0 | 20.5      |
| 0°-180°   | 5021.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1937 | 1937 | 1937 | 1937 | 1937 |      |
| 5°   | 1933 | 2428 | 1904 | 1656 | 1933 | 183  |
| 15°  | 1799 | 2168 | 1805 | 1279 | 1799 | 506  |
| 25°  | 1586 | 1992 | 1604 | 1510 | 1586 | 730  |
| 35°  | 1267 | 1527 | 1236 | 1155 | 1267 | 775  |
| 45°  | 810  | 436  | 818  | 739  | 810  | 643  |
| 55°  | 631  | 209  | 609  | 341  | 631  | 562  |
| 65°  | 394  | 122  | 386  | 148  | 394  | 390  |
| 75°  | 183  | 83   | 175  | 97   | 183  | 195  |
| 85°  | 32   | 26   | 28   | 32   | 32   | 40   |
| 90°  | 0    | 4    | 0    | 4    | 0    | 2    |
| 95°  | 10   | 13   | 10   | 13   | 10   | 11   |
| 105° | 37   | 184  | 37   | 184  | 37   | 39   |
| 115° | 66   | 456  | 66   | 456  | 66   | 66   |
| 125° | 95   | 365  | 95   | 365  | 95   | 84   |
| 135° | 118  | 292  | 118  | 292  | 118  | 91   |
| 145° | 139  | 245  | 139  | 245  | 139  | 88   |
| 155° | 164  | 210  | 164  | 210  | 164  | 75   |
| 165° | 182  | 196  | 182  | 196  | 182  | 51   |
| 175° | 191  | 189  | 191  | 189  | 191  | 18   |
| 180° | 191  | 191  | 191  | 191  | 191  |      |



TEST NUMBER: P621595

CATALOG NUMBER: VLT-FA-025U-125D-830-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 |
| 2.5°   | 1943.6 | 2009.9 | 2093.4 | 2150.7 | 2175.4 | 2150.7 | 2079.2 | 2009.4 | 1921.5 | 1895.3 | 1833.2 |
| 5°     | 1933.4 | 2137.6 | 2384.7 | 2414.5 | 2428.0 | 2414.5 | 2363.0 | 2125.4 | 1903.8 | 1809.4 | 1706.7 |
| 7.5°   | 1909.7 | 2267.0 | 2381.9 | 2315.3 | 2315.7 | 2328.0 | 2385.5 | 2255.9 | 1879.0 | 1730.6 | 1604.6 |
| 10°    | 1886.1 | 2338.9 | 2323.6 | 2227.4 | 2244.7 | 2237.0 | 2341.3 | 2324.8 | 1858.5 | 1687.0 | 1543.1 |
| 12.5°  | 1854.5 | 2361.3 | 2246.3 | 2214.8 | 2233.7 | 2222.9 | 2257.8 | 2349.1 | 1841.1 | 1655.7 | 1472.2 |
| 15°    | 1799.3 | 2329.3 | 2181.7 | 2167.9 | 2167.9 | 2177.5 | 2191.5 | 2339.0 | 1805.3 | 1599.1 | 1385.5 |
| 17.5°  | 1742.6 | 2265.2 | 2136.7 | 2068.4 | 2061.1 | 2073.8 | 2152.9 | 2281.6 | 1754.4 | 1536.3 | 1301.5 |
| 20°    | 1696.9 | 2221.0 | 2091.0 | 2011.0 | 2043.7 | 2014.8 | 2108.8 | 2233.0 | 1716.6 | 1496.9 | 1249.5 |
| 22.5°  | 1655.9 | 2166.1 | 2032.7 | 1998.6 | 2042.1 | 1999.4 | 2048.8 | 2178.1 | 1672.4 | 1452.7 | 1210.1 |
| 25°    | 1586.5 | 2074.0 | 1945.2 | 1977.1 | 1992.5 | 1977.1 | 1953.1 | 2082.1 | 1604.2 | 1396.1 | 1168.7 |
| 27.5°  | 1517.5 | 1976.9 | 1879.8 | 1901.2 | 1854.1 | 1890.4 | 1890.4 | 1977.3 | 1534.1 | 1330.2 | 1156.1 |
| 30°    | 1462.3 | 1909.4 | 1846.6 | 1815.4 | 1742.2 | 1800.0 | 1860.4 | 1909.8 | 1482.0 | 1287.4 | 1152.9 |
| 32.5°  | 1389.8 | 1847.7 | 1813.5 | 1705.6 | 1658.6 | 1697.9 | 1828.9 | 1846.4 | 1401.6 | 1248.6 | 1149.8 |
| 35°    | 1267.2 | 1760.5 | 1754.0 | 1575.5 | 1527.4 | 1564.0 | 1767.8 | 1756.0 | 1235.7 | 1187.5 | 1125.3 |
| 37.5°  | 1102.9 | 1682.9 | 1640.1 | 1444.0 | 1367.3 | 1434.4 | 1653.1 | 1674.5 | 1039.4 | 1131.5 | 1068.2 |
| 40°    | 965.7  | 1630.5 | 1555.0 | 1346.3 | 1271.2 | 1336.7 | 1564.8 | 1625.9 | 932.2  | 1092.1 | 1005.1 |
| 42.5°  | 888.4  | 1584.1 | 1465.1 | 1242.9 | 777.7  | 1227.1 | 1475.0 | 1578.2 | 866.0  | 1041.3 | 949.9  |
| 45°    | 810.0  | 1499.9 | 1334.2 | 688.0  | 435.5  | 655.2  | 1336.2 | 1478.8 | 817.9  | 964.3  | 865.2  |
| 47.5°  | 775.7  | 1396.2 | 1197.5 | 414.4  | 367.8  | 402.4  | 1196.3 | 1373.5 | 776.1  | 887.1  | 784.4  |
| 50°    | 748.9  | 1330.9 | 1099.7 | 365.1  | 301.5  | 351.6  | 1101.7 | 1309.4 | 735.1  | 835.3  | 729.2  |
| 52.5°  | 704.8  | 1252.8 | 959.4  | 302.5  | 260.5  | 295.2  | 936.1  | 1228.2 | 692.5  | 778.9  | 659.8  |
| 55°    | 630.7  | 1102.8 | 400.1  | 237.8  | 208.9  | 228.2  | 380.4  | 1065.7 | 609.0  | 689.9  | 579.4  |
| 57.5°  | 552.2  | 938.8  | 280.6  | 185.1  | 162.0  | 183.2  | 278.7  | 901.2  | 542.0  | 584.4  | 505.3  |
| 60°    | 506.5  | 828.3  | 228.6  | 155.3  | 139.9  | 153.4  | 226.6  | 795.5  | 502.6  | 514.1  | 437.5  |
| 62.5°  | 460.8  | 716.3  | 189.2  | 136.7  | 132.0  | 134.7  | 188.8  | 680.3  | 453.7  | 454.5  | 308.2  |
| 65°    | 394.2  | 542.5  | 139.9  | 124.1  | 122.2  | 122.2  | 136.0  | 523.1  | 386.3  | 374.7  | 177.4  |
| 67.5°  | 326.4  | 389.6  | 112.3  | 114.3  | 112.3  | 112.3  | 110.4  | 378.6  | 318.5  | 298.8  | 134.0  |
| 70°    | 283.8  | 299.2  | 104.5  | 106.4  | 104.5  | 104.5  | 102.5  | 291.3  | 275.9  | 231.6  | 126.1  |
| 72.5°  | 242.8  | 204.3  | 96.6   | 97.0   | 96.6   | 96.6   | 94.6   | 191.8  | 234.9  | 162.8  | 115.1  |
| 75°    | 183.3  | 102.4  | 82.8   | 82.8   | 82.8   | 82.8   | 80.8   | 98.3   | 175.4  | 106.0  | 98.5   |
| 77.5°  | 127.3  | 67.6   | 68.6   | 68.2   | 68.2   | 66.6   | 66.6   | 67.0   | 119.8  | 73.2   | 79.6   |
| 80°    | 92.6   | 56.0   | 59.1   | 57.2   | 57.2   | 57.2   | 57.2   | 54.0   | 86.7   | 61.7   | 67.0   |
| 82.5°  | 65.8   | 44.6   | 48.1   | 46.1   | 46.1   | 46.1   | 46.1   | 44.1   | 59.9   | 50.3   | 54.4   |
| 85°    | 31.5   | 29.6   | 31.5   | 27.5   | 25.6   | 27.5   | 29.6   | 29.5   | 27.6   | 33.4   | 35.5   |
| 87.5°  | 9.5    | 14.3   | 13.1   | 10.2   | 10.2   | 10.2   | 11.5   | 12.7   | 7.9    | 15.8   | 14.7   |
| 90°    | 0.0    | 1.2    | 2.4    | 3.6    | 3.6    | 3.6    | 2.4    | 1.2    | 0.0    | 1.2    | 2.4    |
| 92.5°  | 2.9    | 4.1    | 5.3    | 7.5    | 8.4    | 7.5    | 5.3    | 4.1    | 2.9    | 4.1    | 5.3    |
| 95°    | 9.6    | 17.8   | 9.6    | 10.9   | 13.2   | 10.9   | 9.6    | 17.8   | 9.6    | 17.8   | 9.6    |
| 97.5°  | 17.1   | 34.2   | 70.7   | 20.9   | 18.0   | 20.9   | 70.7   | 34.2   | 17.1   | 34.2   | 70.7   |
| 100°   | 22.8   | 42.8   | 141.8  | 41.8   | 27.6   | 41.8   | 141.8  | 42.8   | 22.8   | 42.8   | 141.8  |
| 102.5° | 28.6   | 49.5   | 191.9  | 110.2  | 60.3   | 110.2  | 191.9  | 49.5   | 28.6   | 49.5   | 191.9  |
| 105°   | 37.3   | 57.2   | 217.6  | 277.9  | 183.9  | 277.9  | 217.6  | 57.2   | 37.3   | 57.2   | 217.6  |
| 107.5° | 45.9   | 61.0   | 207.7  | 404.5  | 378.9  | 404.5  | 207.7  | 61.0   | 45.9   | 61.0   | 207.7  |
| 110°   | 51.7   | 65.8   | 201.9  | 425.1  | 456.8  | 425.1  | 201.9  | 65.8   | 51.7   | 65.8   | 201.9  |



TEST NUMBER: P621595

CATALOG NUMBER: VLT-FA-025U-125D-830-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° | 57.5  | 71.6  | 196.2 | 413.0 | 466.4 | 413.0  | 196.2 | 71.6   | 57.5  | 71.6   | 196.2 |
| 115°   | 66.1  | 80.2  | 187.5 | 389.8 | 455.6 | 389.8  | 187.5 | 80.2   | 66.1  | 80.2   | 187.5 |
| 117.5° | 75.0  | 88.9  | 185.4 | 364.6 | 432.3 | 364.6  | 185.4 | 88.9   | 75.0  | 88.9   | 185.4 |
| 120°   | 81.7  | 94.7  | 181.5 | 345.4 | 415.9 | 345.4  | 181.5 | 94.7   | 81.7  | 94.7   | 181.5 |
| 122.5° | 86.5  | 100.4 | 176.7 | 328.9 | 393.8 | 328.9  | 176.7 | 100.4  | 86.5  | 100.4  | 176.7 |
| 125°   | 95.0  | 107.9 | 176.7 | 309.0 | 365.4 | 309.0  | 176.7 | 107.9  | 95.0  | 107.9  | 176.7 |
| 127.5° | 101.9 | 115.1 | 176.9 | 285.9 | 341.6 | 285.9  | 176.9 | 115.1  | 101.9 | 115.1  | 176.9 |
| 130°   | 105.8 | 119.9 | 177.9 | 270.5 | 323.4 | 270.5  | 177.9 | 119.9  | 105.8 | 119.9  | 177.9 |
| 132.5° | 110.6 | 124.7 | 177.9 | 263.5 | 307.0 | 263.5  | 177.9 | 124.7  | 110.6 | 124.7  | 177.9 |
| 135°   | 117.8 | 130.7 | 177.9 | 254.5 | 292.1 | 254.5  | 177.9 | 130.7  | 117.8 | 130.7  | 177.9 |
| 137.5° | 123.8 | 137.7 | 177.9 | 244.5 | 276.7 | 244.5  | 177.9 | 137.7  | 123.8 | 137.7  | 177.9 |
| 140°   | 128.6 | 141.6 | 177.9 | 238.7 | 268.1 | 238.7  | 177.9 | 141.6  | 128.6 | 141.6  | 177.9 |
| 142.5° | 133.4 | 145.4 | 178.9 | 231.9 | 259.4 | 231.9  | 178.9 | 145.4  | 133.4 | 145.4  | 178.9 |
| 145°   | 139.4 | 151.2 | 179.1 | 221.7 | 245.2 | 221.7  | 179.1 | 151.2  | 139.4 | 151.2  | 179.1 |
| 147.5° | 146.7 | 157.0 | 180.6 | 214.4 | 232.5 | 214.4  | 180.6 | 157.0  | 146.7 | 157.0  | 180.6 |
| 150°   | 151.5 | 160.9 | 181.5 | 209.5 | 224.8 | 209.5  | 181.5 | 160.9  | 151.5 | 160.9  | 181.5 |
| 152.5° | 156.3 | 164.7 | 181.5 | 205.6 | 218.1 | 205.6  | 181.5 | 164.7  | 156.3 | 164.7  | 181.5 |
| 155°   | 163.5 | 169.4 | 182.7 | 201.0 | 210.4 | 201.0  | 182.7 | 169.4  | 163.5 | 169.4  | 182.7 |
| 157.5° | 169.3 | 174.9 | 184.2 | 198.0 | 204.8 | 198.0  | 184.2 | 174.9  | 169.3 | 174.9  | 184.2 |
| 160°   | 173.1 | 177.8 | 185.1 | 196.1 | 201.9 | 196.1  | 185.1 | 177.8  | 173.1 | 177.8  | 185.1 |
| 162.5° | 176.0 | 180.7 | 186.1 | 195.1 | 199.1 | 195.1  | 186.1 | 180.7  | 176.0 | 180.7  | 186.1 |
| 165°   | 181.5 | 183.9 | 187.5 | 192.4 | 195.9 | 192.4  | 187.5 | 183.9  | 181.5 | 183.9  | 187.5 |
| 167.5° | 184.6 | 186.8 | 188.7 | 191.2 | 193.3 | 191.2  | 188.7 | 186.8  | 184.6 | 186.8  | 188.7 |
| 170°   | 187.5 | 188.7 | 188.7 | 191.2 | 192.3 | 191.2  | 188.7 | 188.7  | 187.5 | 188.7  | 188.7 |
| 172.5° | 188.5 | 190.6 | 189.7 | 190.2 | 191.4 | 190.2  | 189.7 | 190.6  | 188.5 | 190.6  | 189.7 |
| 175°   | 191.1 | 192.3 | 191.1 | 189.9 | 188.7 | 189.9  | 191.1 | 192.3  | 191.1 | 192.3  | 191.1 |
| 177.5° | 191.1 | 192.1 | 191.1 | 191.1 | 190.2 | 191.1  | 191.1 | 192.1  | 191.1 | 192.1  | 191.1 |
| 180°   | 191.1 | 191.1 | 191.1 | 191.1 | 191.1 | 191.1  | 191.1 | 191.1  | 191.1 | 191.1  | 191.1 |



TEST NUMBER: P621595

CATALOG NUMBER: VLT-FA-025U-125D-830-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 | 1937.3 |
| 2.5°   | 1811.1 | 1809.6 | 1812.7 | 1839.5 | 1894.3 | 1943.6 |
| 5°     | 1649.7 | 1655.5 | 1661.3 | 1706.7 | 1802.3 | 1933.4 |
| 7.5°   | 1525.6 | 1517.1 | 1530.2 | 1604.2 | 1721.6 | 1909.7 |
| 10°    | 1440.2 | 1421.0 | 1440.2 | 1541.2 | 1677.9 | 1886.1 |
| 12.5°  | 1359.7 | 1335.8 | 1365.9 | 1476.5 | 1641.8 | 1854.5 |
| 15°    | 1255.9 | 1279.1 | 1265.6 | 1389.4 | 1587.4 | 1799.3 |
| 17.5°  | 1280.5 | 1396.9 | 1305.2 | 1313.7 | 1533.3 | 1742.6 |
| 20°    | 1338.9 | 1458.4 | 1377.5 | 1263.3 | 1498.4 | 1696.9 |
| 22.5°  | 1391.9 | 1482.0 | 1408.8 | 1220.7 | 1463.6 | 1655.9 |
| 25°    | 1432.6 | 1509.6 | 1428.7 | 1182.5 | 1413.1 | 1586.5 |
| 27.5°  | 1434.6 | 1445.4 | 1435.4 | 1179.3 | 1350.6 | 1517.5 |
| 30°    | 1408.1 | 1361.8 | 1404.2 | 1182.5 | 1306.2 | 1462.3 |
| 32.5°  | 1332.3 | 1279.8 | 1316.1 | 1176.2 | 1261.5 | 1389.8 |
| 35°    | 1224.3 | 1154.9 | 1205.0 | 1143.1 | 1192.1 | 1267.2 |
| 37.5°  | 1110.3 | 1022.5 | 1091.8 | 1077.6 | 1132.9 | 1102.9 |
| 40°    | 1033.1 | 879.0  | 1017.7 | 1013.0 | 1100.6 | 965.7  |
| 42.5°  | 934.3  | 803.3  | 920.5  | 961.0  | 1065.0 | 888.4  |
| 45°    | 754.5  | 739.1  | 746.8  | 873.1  | 989.2  | 810.0  |
| 47.5°  | 689.9  | 679.5  | 686.1  | 793.1  | 903.7  | 775.7  |
| 50°    | 652.0  | 638.5  | 648.2  | 741.0  | 849.1  | 748.9  |
| 52.5°  | 599.5  | 562.9  | 595.6  | 670.1  | 792.6  | 704.8  |
| 55°    | 450.8  | 340.9  | 448.9  | 589.3  | 707.7  | 630.7  |
| 57.5°  | 264.5  | 197.1  | 258.7  | 512.8  | 599.6  | 552.2  |
| 60°    | 179.0  | 165.5  | 181.0  | 451.3  | 527.7  | 506.5  |
| 62.5°  | 163.5  | 159.2  | 163.9  | 314.1  | 463.5  | 460.8  |
| 65°    | 149.7  | 147.8  | 149.7  | 181.3  | 382.6  | 394.2  |
| 67.5°  | 135.5  | 133.6  | 137.1  | 139.1  | 302.1  | 326.4  |
| 70°    | 126.1  | 124.2  | 126.1  | 128.1  | 231.8  | 283.8  |
| 72.5°  | 115.1  | 113.1  | 115.1  | 117.1  | 163.0  | 242.8  |
| 75°    | 98.5   | 96.6   | 98.5   | 100.5  | 108.1  | 183.3  |
| 77.5°  | 79.6   | 79.6   | 81.5   | 81.6   | 75.7   | 127.3  |
| 80°    | 67.0   | 67.0   | 68.9   | 69.0   | 65.6   | 92.6   |
| 82.5°  | 54.4   | 52.8   | 56.3   | 57.9   | 54.3   | 65.8   |
| 85°    | 33.5   | 31.5   | 35.4   | 37.4   | 35.4   | 31.5   |
| 87.5°  | 13.3   | 11.8   | 14.8   | 17.8   | 17.4   | 9.5    |
| 90°    | 3.6    | 3.6    | 3.6    | 2.4    | 1.2    | 0.0    |
| 92.5°  | 7.5    | 8.4    | 7.5    | 5.3    | 4.1    | 2.9    |
| 95°    | 10.9   | 13.2   | 10.9   | 9.6    | 17.8   | 9.6    |
| 97.5°  | 20.9   | 18.0   | 20.9   | 70.7   | 34.2   | 17.1   |
| 100°   | 41.8   | 27.6   | 41.8   | 141.8  | 42.8   | 22.8   |
| 102.5° | 110.2  | 60.3   | 110.2  | 191.9  | 49.5   | 28.6   |
| 105°   | 277.9  | 183.9  | 277.9  | 217.6  | 57.2   | 37.3   |
| 107.5° | 404.5  | 378.9  | 404.5  | 207.7  | 61.0   | 45.9   |
| 110°   | 425.1  | 456.8  | 425.1  | 201.9  | 65.8   | 51.7   |





TEST NUMBER: P621595

CATALOG NUMBER: VLT-FA-025U-125D-830-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 413.0  | 466.4 | 413.0  | 196.2 | 71.6   | 57.5  |
| 115°   | 389.8  | 455.6 | 389.8  | 187.5 | 80.2   | 66.1  |
| 117.5° | 364.6  | 432.3 | 364.6  | 185.4 | 88.9   | 75.0  |
| 120°   | 345.4  | 415.9 | 345.4  | 181.5 | 94.7   | 81.7  |
| 122.5° | 328.9  | 393.8 | 328.9  | 176.7 | 100.4  | 86.5  |
| 125°   | 309.0  | 365.4 | 309.0  | 176.7 | 107.9  | 95.0  |
| 127.5° | 285.9  | 341.6 | 285.9  | 176.9 | 115.1  | 101.9 |
| 130°   | 270.5  | 323.4 | 270.5  | 177.9 | 119.9  | 105.8 |
| 132.5° | 263.5  | 307.0 | 263.5  | 177.9 | 124.7  | 110.6 |
| 135°   | 254.5  | 292.1 | 254.5  | 177.9 | 130.7  | 117.8 |
| 137.5° | 244.5  | 276.7 | 244.5  | 177.9 | 137.7  | 123.8 |
| 140°   | 238.7  | 268.1 | 238.7  | 177.9 | 141.6  | 128.6 |
| 142.5° | 231.9  | 259.4 | 231.9  | 178.9 | 145.4  | 133.4 |
| 145°   | 221.7  | 245.2 | 221.7  | 179.1 | 151.2  | 139.4 |
| 147.5° | 214.4  | 232.5 | 214.4  | 180.6 | 157.0  | 146.7 |
| 150°   | 209.5  | 224.8 | 209.5  | 181.5 | 160.9  | 151.5 |
| 152.5° | 205.6  | 218.1 | 205.6  | 181.5 | 164.7  | 156.3 |
| 155°   | 201.0  | 210.4 | 201.0  | 182.7 | 169.4  | 163.5 |
| 157.5° | 198.0  | 204.8 | 198.0  | 184.2 | 174.9  | 169.3 |
| 160°   | 196.1  | 201.9 | 196.1  | 185.1 | 177.8  | 173.1 |
| 162.5° | 195.1  | 199.1 | 195.1  | 186.1 | 180.7  | 176.0 |
| 165°   | 192.4  | 195.9 | 192.4  | 187.5 | 183.9  | 181.5 |
| 167.5° | 191.2  | 193.3 | 191.2  | 188.7 | 186.8  | 184.6 |
| 170°   | 191.2  | 192.3 | 191.2  | 188.7 | 188.7  | 187.5 |
| 172.5° | 190.2  | 191.4 | 190.2  | 189.7 | 190.6  | 188.5 |
| 175°   | 189.9  | 188.7 | 189.9  | 191.1 | 192.3  | 191.1 |
| 177.5° | 191.1  | 190.2 | 191.1  | 191.1 | 192.1  | 191.1 |
| 180°   | 191.1  | 191.1 | 191.1  | 191.1 | 191.1  | 191.1 |

(END OF REPORT)