

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: P621645

Luminaire Tested: VLT-FA-075U-125D-840-UNV-STD-W-4

Issue Date: 9/2/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P621645  
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-075U-125D-840-UNV-STD-W-4  
Description: CORELITE VAULT SUSPENDED LED LUMINAIRE  
LIGHT SHAPING LENS - ASYMMETRIC  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

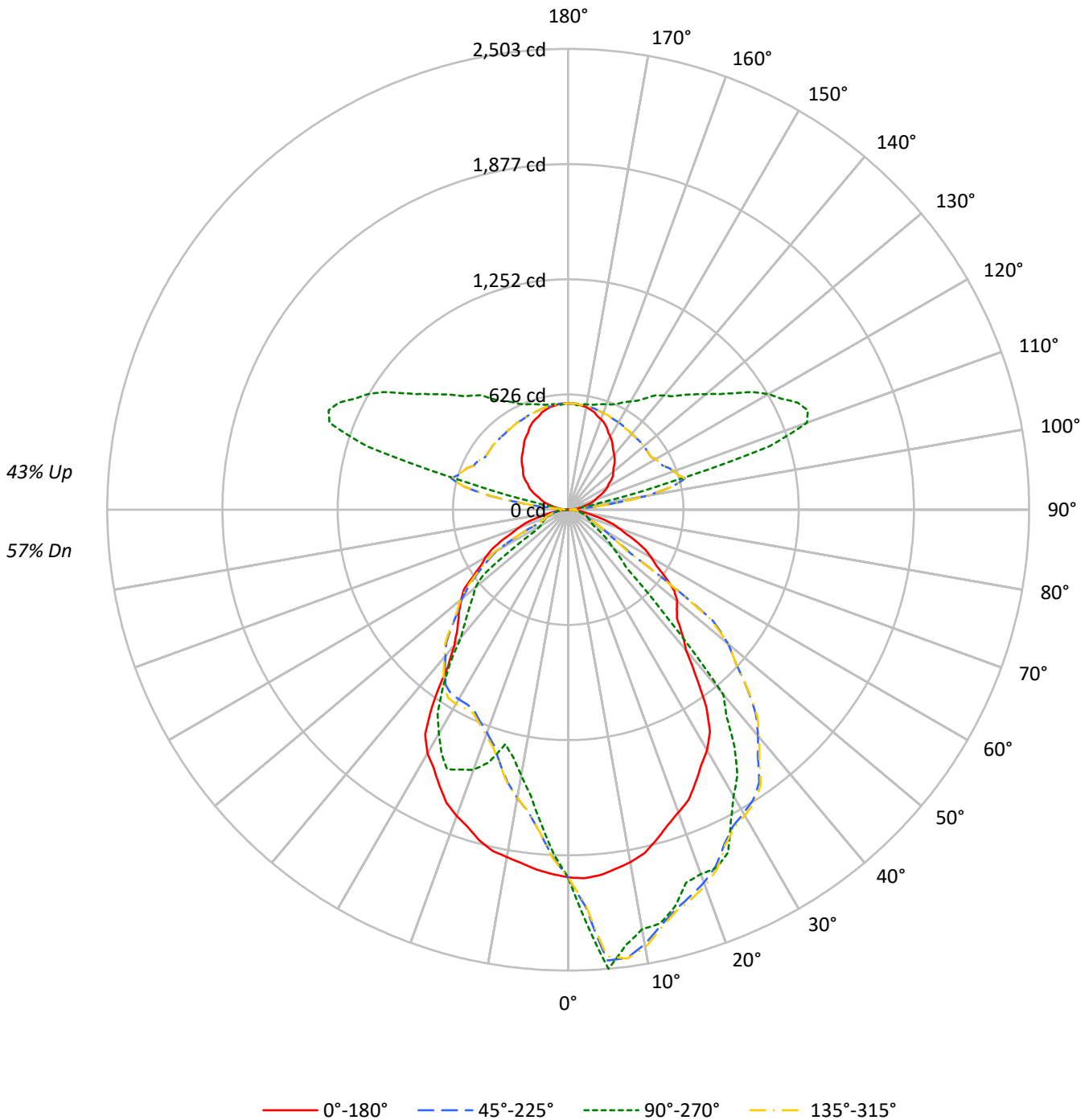
Lumens per Lamp: N/A  
Luminaire Lumens: 7218.3 lumens  
Efficiency: N/A  
Efficacy: 121.3 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.19 / 1.3  
Luminous Opening: Rectangular (W 0.38' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 59.5  
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: P621645  
CATALOG NUMBER: VLT-FA-075U-125D-840-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P621645

CATALOG NUMBER: VLT-FA-075U-125D-840-UNV-STD-W-4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|----|---|
| RF  | 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 | 50 | 30 | 10 | 0 |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 0   | 109 | 109 | 109 | 109 | 101 | 101 | 101 | 101 | 87 | 87 | 87 | 74 | 74 | 74 | 63 | 63 | 63 | 57 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 1   | 100 | 96  | 93  | 90  | 93  | 90  | 87  | 84  | 78 | 76 | 74 | 67 | 65 | 64 | 57 | 56 | 55 | 50 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 2   | 92  | 85  | 80  | 75  | 86  | 80  | 75  | 71  | 69 | 66 | 63 | 60 | 57 | 55 | 51 | 49 | 48 | 43 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 3   | 85  | 76  | 69  | 63  | 79  | 71  | 65  | 60  | 62 | 58 | 54 | 54 | 50 | 48 | 46 | 44 | 42 | 38 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 4   | 78  | 68  | 60  | 54  | 72  | 64  | 57  | 52  | 56 | 51 | 47 | 49 | 45 | 42 | 42 | 39 | 37 | 33 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 5   | 72  | 61  | 53  | 47  | 67  | 57  | 50  | 45  | 50 | 45 | 41 | 44 | 40 | 37 | 38 | 35 | 32 | 29 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 6   | 66  | 55  | 47  | 41  | 62  | 52  | 45  | 40  | 46 | 40 | 36 | 40 | 36 | 32 | 35 | 32 | 29 | 26 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 7   | 62  | 50  | 42  | 37  | 57  | 47  | 40  | 35  | 42 | 36 | 32 | 37 | 32 | 29 | 32 | 29 | 26 | 24 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 8   | 57  | 45  | 38  | 33  | 54  | 43  | 36  | 31  | 38 | 33 | 29 | 34 | 29 | 26 | 30 | 26 | 24 | 21 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 9   | 54  | 42  | 34  | 29  | 50  | 39  | 33  | 28  | 35 | 30 | 26 | 31 | 27 | 24 | 27 | 24 | 21 | 19 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |
| 10  | 50  | 38  | 31  | 27  | 47  | 36  | 30  | 26  | 33 | 27 | 24 | 29 | 25 | 22 | 25 | 22 | 20 | 18 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |    |   |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 14330 | 14330 | 14330 | 14330 |
| 5°  | 14355 | 18028 | 14135 | 12292 |
| 10° | 14165 | 16860 | 13958 | 10672 |
| 15° | 13779 | 16600 | 13824 | 9795  |
| 20° | 13356 | 16087 | 13511 | 11479 |
| 25° | 12948 | 16261 | 13093 | 12320 |
| 30° | 12490 | 14880 | 12658 | 11631 |
| 35° | 11443 | 13791 | 11158 | 10428 |
| 40° | 9324  | 12273 | 9000  | 8487  |
| 45° | 8473  | 4556  | 8555  | 7731  |
| 50° | 8617  | 3470  | 8459  | 7348  |
| 55° | 8132  | 2694  | 7853  | 4396  |
| 60° | 7493  | 2070  | 7434  | 2448  |
| 65° | 6899  | 2138  | 6761  | 2588  |
| 70° | 6137  | 2260  | 5967  | 2686  |
| 75° | 5237  | 2365  | 5013  | 2759  |
| 80° | 3947  | 2434  | 3694  | 2856  |
| 85° | 2676  | 2174  | 2338  | 2676  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15689 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 192.6  | 2.7       |
| 10°-20°   | 527.7  | 7.3       |
| 20°-30°   | 789.6  | 10.9      |
| 30°-40°   | 898.0  | 12.4      |
| 40°-50°   | 768.0  | 10.6      |
| 50°-60°   | 517.9  | 7.2       |
| 60°-70°   | 267.3  | 3.7       |
| 70°-80°   | 120.7  | 1.7       |
| 80°-90°   | 37.2   | 0.5       |
| 90°-100°  | 70.9   | 1.0       |
| 100°-110° | 505.5  | 7.0       |
| 110°-120° | 686.3  | 9.5       |
| 120°-130° | 558.6  | 7.7       |
| 130°-140° | 449.3  | 6.2       |
| 140°-150° | 354.2  | 4.9       |
| 150°-160° | 259.0  | 3.6       |
| 160°-170° | 160.9  | 2.2       |
| 170°-180° | 54.9   | 0.8       |
| 0°-30°    | 1509.9 | 20.9      |
| 0°-40°    | 2407.9 | 33.4      |
| 0°-60°    | 3693.7 | 51.2      |
| 0°-90°    | 4118.9 | 57.1      |
| 90°-120°  | 1262.7 | 17.5      |
| 90°-150°  | 2624.7 | 36.4      |
| 90°-180°  | 3099.0 | 42.9      |
| 0°-180°   | 7218.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1997 | 1997 | 1997 | 1997 | 1997 |      |
| 5°   | 1993 | 2503 | 1962 | 1706 | 1993 | 188  |
| 15°  | 1855 | 2234 | 1861 | 1318 | 1855 | 522  |
| 25°  | 1635 | 2054 | 1654 | 1556 | 1635 | 753  |
| 35°  | 1306 | 1574 | 1274 | 1190 | 1306 | 799  |
| 45°  | 835  | 449  | 843  | 762  | 835  | 662  |
| 55°  | 650  | 215  | 628  | 351  | 650  | 579  |
| 65°  | 406  | 126  | 398  | 152  | 406  | 402  |
| 75°  | 189  | 85   | 181  | 100  | 189  | 201  |
| 85°  | 32   | 26   | 28   | 32   | 32   | 42   |
| 90°  | 0    | 11   | 0    | 11   | 0    | 3    |
| 95°  | 29   | 40   | 29   | 40   | 29   | 32   |
| 105° | 112  | 555  | 112  | 555  | 112  | 119  |
| 115° | 200  | 1375 | 200  | 1375 | 200  | 198  |
| 125° | 287  | 1103 | 287  | 1103 | 287  | 255  |
| 135° | 356  | 882  | 356  | 882  | 356  | 274  |
| 145° | 421  | 740  | 421  | 740  | 421  | 264  |
| 155° | 494  | 635  | 494  | 635  | 494  | 227  |
| 165° | 548  | 592  | 548  | 592  | 548  | 154  |
| 175° | 577  | 570  | 577  | 570  | 577  | 55   |
| 180° | 577  | 577  | 577  | 577  | 577  |      |



TEST NUMBER: P621645

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 |
| 2.5°   | 2003.4 | 2071.7 | 2157.7 | 2216.8 | 2242.3 | 2216.8 | 2143.1 | 2071.2 | 1980.6 | 1953.6 | 1889.6 |
| 5°     | 1992.8 | 2203.3 | 2458.0 | 2488.8 | 2502.7 | 2488.8 | 2435.6 | 2190.7 | 1962.3 | 1865.0 | 1759.2 |
| 7.5°   | 1968.4 | 2336.7 | 2455.1 | 2386.5 | 2386.9 | 2399.6 | 2458.8 | 2325.2 | 1936.7 | 1783.8 | 1654.0 |
| 10°    | 1944.0 | 2410.8 | 2395.0 | 2295.9 | 2313.8 | 2305.8 | 2413.3 | 2396.3 | 1915.6 | 1738.8 | 1590.6 |
| 12.5°  | 1911.5 | 2433.9 | 2315.4 | 2282.9 | 2302.4 | 2291.3 | 2327.2 | 2421.3 | 1897.7 | 1706.6 | 1517.4 |
| 15°    | 1854.7 | 2400.9 | 2248.8 | 2234.5 | 2234.5 | 2244.5 | 2258.9 | 2410.9 | 1860.8 | 1648.2 | 1428.1 |
| 17.5°  | 1796.2 | 2334.8 | 2202.4 | 2132.0 | 2124.4 | 2137.5 | 2219.1 | 2351.8 | 1808.3 | 1583.5 | 1341.5 |
| 20°    | 1749.0 | 2289.3 | 2155.3 | 2072.8 | 2106.6 | 2076.8 | 2173.6 | 2301.7 | 1769.3 | 1542.9 | 1287.9 |
| 22.5°  | 1706.8 | 2232.7 | 2095.2 | 2060.0 | 2104.9 | 2060.8 | 2111.8 | 2245.0 | 1723.8 | 1497.4 | 1247.3 |
| 25°    | 1635.3 | 2137.8 | 2005.0 | 2037.8 | 2053.7 | 2037.8 | 2013.1 | 2146.1 | 1653.6 | 1439.0 | 1204.6 |
| 27.5°  | 1564.2 | 2037.7 | 1937.5 | 1959.6 | 1911.1 | 1948.5 | 1948.5 | 2038.1 | 1581.2 | 1371.1 | 1191.6 |
| 30°    | 1507.3 | 1968.1 | 1903.4 | 1871.2 | 1795.8 | 1855.3 | 1917.6 | 1968.6 | 1527.6 | 1327.0 | 1188.4 |
| 32.5°  | 1432.5 | 1904.5 | 1869.3 | 1758.1 | 1709.6 | 1750.1 | 1885.1 | 1903.2 | 1444.7 | 1287.0 | 1185.1 |
| 35°    | 1306.2 | 1814.7 | 1807.9 | 1624.0 | 1574.3 | 1612.1 | 1822.2 | 1810.0 | 1273.7 | 1224.0 | 1159.9 |
| 37.5°  | 1136.8 | 1734.6 | 1690.5 | 1488.4 | 1409.4 | 1478.5 | 1703.9 | 1726.0 | 1071.4 | 1166.3 | 1101.0 |
| 40°    | 995.4  | 1680.6 | 1602.8 | 1387.7 | 1310.2 | 1377.8 | 1612.9 | 1675.9 | 960.8  | 1125.7 | 1036.0 |
| 42.5°  | 915.8  | 1632.8 | 1510.1 | 1281.1 | 801.6  | 1264.8 | 1520.3 | 1626.7 | 892.6  | 1073.3 | 979.1  |
| 45°    | 834.9  | 1546.0 | 1375.3 | 709.1  | 448.9  | 675.4  | 1377.3 | 1524.3 | 843.0  | 994.0  | 891.8  |
| 47.5°  | 799.6  | 1439.1 | 1234.3 | 427.1  | 379.1  | 414.8  | 1233.1 | 1415.7 | 800.0  | 914.4  | 808.5  |
| 50°    | 771.9  | 1371.8 | 1133.5 | 376.3  | 310.8  | 362.4  | 1135.5 | 1349.6 | 757.7  | 861.0  | 751.6  |
| 52.5°  | 726.4  | 1291.3 | 988.9  | 311.9  | 268.6  | 304.3  | 964.9  | 1266.0 | 713.8  | 802.8  | 680.1  |
| 55°    | 650.0  | 1136.7 | 412.4  | 245.1  | 215.3  | 235.2  | 392.1  | 1098.4 | 627.7  | 711.1  | 597.2  |
| 57.5°  | 569.2  | 967.6  | 289.3  | 190.8  | 167.0  | 188.8  | 287.2  | 928.9  | 558.6  | 602.3  | 520.8  |
| 60°    | 522.1  | 853.8  | 235.6  | 160.1  | 144.2  | 158.1  | 233.6  | 819.9  | 518.0  | 529.9  | 451.0  |
| 62.5°  | 474.9  | 738.3  | 195.0  | 140.9  | 136.1  | 138.9  | 194.6  | 701.2  | 467.6  | 468.4  | 317.7  |
| 65°    | 406.3  | 559.2  | 144.2  | 127.9  | 125.9  | 125.9  | 140.2  | 539.2  | 398.2  | 386.2  | 182.8  |
| 67.5°  | 336.4  | 401.5  | 115.8  | 117.8  | 115.8  | 115.8  | 113.8  | 390.2  | 328.3  | 308.0  | 138.1  |
| 70°    | 292.5  | 308.4  | 107.7  | 109.7  | 107.7  | 107.7  | 105.6  | 300.3  | 284.4  | 238.7  | 130.0  |
| 72.5°  | 250.3  | 210.5  | 99.5   | 99.9   | 99.5   | 99.5   | 97.5   | 197.6  | 242.1  | 167.9  | 118.6  |
| 75°    | 188.9  | 105.5  | 85.3   | 85.3   | 85.3   | 85.3   | 83.3   | 101.3  | 180.8  | 109.3  | 101.6  |
| 77.5°  | 131.2  | 69.7   | 70.7   | 70.3   | 70.3   | 68.7   | 68.7   | 69.1   | 123.5  | 75.4   | 82.1   |
| 80°    | 95.5   | 57.7   | 60.9   | 58.9   | 58.9   | 58.9   | 58.9   | 55.6   | 89.4   | 63.6   | 69.1   |
| 82.5°  | 67.8   | 46.0   | 49.6   | 47.5   | 47.5   | 47.5   | 47.5   | 45.5   | 61.8   | 51.8   | 56.1   |
| 85°    | 32.5   | 30.5   | 32.5   | 28.4   | 26.4   | 28.4   | 30.5   | 30.4   | 28.4   | 34.4   | 36.6   |
| 87.5°  | 9.8    | 15.2   | 14.5   | 11.9   | 11.9   | 11.9   | 12.8   | 13.6   | 8.1    | 16.8   | 16.1   |
| 90°    | 0.0    | 3.5    | 7.3    | 10.9   | 10.9   | 10.9   | 7.3    | 3.5    | 0.0    | 3.5    | 7.3    |
| 92.5°  | 8.7    | 12.3   | 16.0   | 22.6   | 25.4   | 22.6   | 16.0   | 12.3   | 8.7    | 12.3   | 16.0   |
| 95°    | 29.0   | 53.9   | 29.0   | 32.8   | 39.9   | 32.8   | 29.0   | 53.9   | 29.0   | 53.9   | 29.0   |
| 97.5°  | 51.5   | 103.3  | 213.4  | 62.9   | 54.4   | 62.9   | 213.4  | 103.3  | 51.5   | 103.3  | 213.4  |
| 100°   | 68.9   | 129.3  | 428.2  | 126.0  | 83.5   | 126.0  | 428.2  | 129.3  | 68.9   | 129.3  | 428.2  |
| 102.5° | 86.4   | 149.5  | 579.2  | 332.6  | 182.2  | 332.6  | 579.2  | 149.5  | 86.4   | 149.5  | 579.2  |
| 105°   | 112.5  | 172.8  | 656.8  | 839.1  | 555.2  | 839.1  | 656.8  | 172.8  | 112.5  | 172.8  | 656.8  |
| 107.5° | 138.6  | 184.0  | 627.1  | 1221.2 | 1143.8 | 1221.2 | 627.1  | 184.0  | 138.6  | 184.0  | 627.1  |
| 110°   | 156.0  | 198.6  | 609.6  | 1283.1 | 1378.9 | 1283.1 | 609.6  | 198.6  | 156.0  | 198.6  | 609.6  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 22.5° | 45°   | 67.5°  | 90°    | 112.5° | 135°  | 157.5° | 180°  | 202.5° | 225°  |
|--------|-------|-------|-------|--------|--------|--------|-------|--------|-------|--------|-------|
| 112.5° | 173.5 | 216.0 | 592.2 | 1246.9 | 1408.0 | 1246.9 | 592.2 | 216.0  | 173.5 | 216.0  | 592.2 |
| 115°   | 199.6 | 242.2 | 566.1 | 1176.6 | 1375.3 | 1176.6 | 566.1 | 242.2  | 199.6 | 242.2  | 566.1 |
| 117.5° | 226.4 | 268.3 | 559.6 | 1100.5 | 1304.9 | 1100.5 | 559.6 | 268.3  | 226.4 | 268.3  | 559.6 |
| 120°   | 246.8 | 285.8 | 548.0 | 1042.7 | 1255.6 | 1042.7 | 548.0 | 285.8  | 246.8 | 285.8  | 548.0 |
| 122.5° | 261.3 | 303.1 | 533.4 | 992.9  | 1188.8 | 992.9  | 533.4 | 303.1  | 261.3 | 303.1  | 533.4 |
| 125°   | 286.7 | 325.7 | 533.4 | 932.8  | 1103.2 | 932.8  | 533.4 | 325.7  | 286.7 | 325.7  | 533.4 |
| 127.5° | 307.7 | 347.5 | 534.2 | 863.1  | 1031.3 | 863.1  | 534.2 | 347.5  | 307.7 | 347.5  | 534.2 |
| 130°   | 319.3 | 361.9 | 537.1 | 816.5  | 976.2  | 816.5  | 537.1 | 361.9  | 319.3 | 361.9  | 537.1 |
| 132.5° | 333.9 | 376.4 | 537.1 | 795.5  | 926.8  | 795.5  | 537.1 | 376.4  | 333.9 | 376.4  | 537.1 |
| 135°   | 355.6 | 394.7 | 537.1 | 768.3  | 881.8  | 768.3  | 537.1 | 394.7  | 355.6 | 394.7  | 537.1 |
| 137.5° | 373.8 | 415.6 | 537.1 | 738.1  | 835.4  | 738.1  | 537.1 | 415.6  | 373.8 | 415.6  | 537.1 |
| 140°   | 388.3 | 427.3 | 537.1 | 720.5  | 809.2  | 720.5  | 537.1 | 427.3  | 388.3 | 427.3  | 537.1 |
| 142.5° | 402.8 | 439.0 | 540.0 | 700.1  | 783.1  | 700.1  | 540.0 | 439.0  | 402.8 | 439.0  | 540.0 |
| 145°   | 420.9 | 456.4 | 540.7 | 669.3  | 740.3  | 669.3  | 540.7 | 456.4  | 420.9 | 456.4  | 540.7 |
| 147.5° | 442.7 | 473.9 | 545.0 | 647.2  | 701.8  | 647.2  | 545.0 | 473.9  | 442.7 | 473.9  | 545.0 |
| 150°   | 457.2 | 485.6 | 548.0 | 632.5  | 678.6  | 632.5  | 548.0 | 485.6  | 457.2 | 485.6  | 548.0 |
| 152.5° | 471.7 | 497.3 | 548.0 | 620.7  | 658.3  | 620.7  | 548.0 | 497.3  | 471.7 | 497.3  | 548.0 |
| 155°   | 493.5 | 511.3 | 551.6 | 606.7  | 635.0  | 606.7  | 551.6 | 511.3  | 493.5 | 511.3  | 551.6 |
| 157.5° | 510.9 | 528.0 | 555.9 | 597.8  | 618.3  | 597.8  | 555.9 | 528.0  | 510.9 | 528.0  | 555.9 |
| 160°   | 522.5 | 536.7 | 558.8 | 591.9  | 609.6  | 591.9  | 558.8 | 536.7  | 522.5 | 536.7  | 558.8 |
| 162.5° | 531.3 | 545.5 | 561.7 | 588.9  | 600.9  | 588.9  | 561.7 | 545.5  | 531.3 | 545.5  | 561.7 |
| 165°   | 548.0 | 555.0 | 566.1 | 580.9  | 591.5  | 580.9  | 566.1 | 555.0  | 548.0 | 555.0  | 566.1 |
| 167.5° | 557.4 | 563.8 | 569.7 | 577.1  | 583.5  | 577.1  | 569.7 | 563.8  | 557.4 | 563.8  | 569.7 |
| 170°   | 566.1 | 569.6 | 569.7 | 577.1  | 580.6  | 577.1  | 569.7 | 569.6  | 566.1 | 569.6  | 569.7 |
| 172.5° | 569.0 | 575.4 | 572.6 | 574.2  | 577.7  | 574.2  | 572.6 | 575.4  | 569.0 | 575.4  | 572.6 |
| 175°   | 577.0 | 580.5 | 577.0 | 573.3  | 569.7  | 573.3  | 577.0 | 580.5  | 577.0 | 580.5  | 577.0 |
| 177.5° | 577.0 | 579.8 | 577.0 | 576.9  | 574.1  | 576.9  | 577.0 | 579.8  | 577.0 | 579.8  | 577.0 |
| 180°   | 577.0 | 577.0 | 577.0 | 577.0  | 577.0  | 577.0  | 577.0 | 577.0  | 577.0 | 577.0  | 577.0 |



TEST NUMBER: P621645

CATALOG NUMBER: VLT-FA-075U-125D-840-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 | 1996.9 |
| 2.5°   | 1866.8 | 1865.2 | 1868.4 | 1896.1 | 1952.5 | 2003.4 |
| 5°     | 1700.4 | 1706.4 | 1712.3 | 1759.2 | 1857.7 | 1992.8 |
| 7.5°   | 1572.5 | 1563.8 | 1577.3 | 1653.6 | 1774.6 | 1968.4 |
| 10°    | 1484.5 | 1464.6 | 1484.5 | 1588.5 | 1729.5 | 1944.0 |
| 12.5°  | 1401.5 | 1376.9 | 1407.9 | 1521.9 | 1692.3 | 1911.5 |
| 15°    | 1294.5 | 1318.4 | 1304.5 | 1432.1 | 1636.2 | 1854.7 |
| 17.5°  | 1319.9 | 1439.9 | 1345.3 | 1354.1 | 1580.5 | 1796.2 |
| 20°    | 1380.1 | 1503.2 | 1419.8 | 1302.1 | 1544.4 | 1749.0 |
| 22.5°  | 1434.7 | 1527.6 | 1452.1 | 1258.2 | 1508.5 | 1706.8 |
| 25°    | 1476.6 | 1556.0 | 1472.6 | 1218.8 | 1456.5 | 1635.3 |
| 27.5°  | 1478.7 | 1489.8 | 1479.5 | 1215.6 | 1392.2 | 1564.2 |
| 30°    | 1451.4 | 1403.7 | 1447.4 | 1218.8 | 1346.4 | 1507.3 |
| 32.5°  | 1373.2 | 1319.2 | 1356.5 | 1212.3 | 1300.3 | 1432.5 |
| 35°    | 1261.9 | 1190.4 | 1242.0 | 1178.2 | 1228.7 | 1306.2 |
| 37.5°  | 1144.5 | 1053.9 | 1125.4 | 1110.8 | 1167.8 | 1136.8 |
| 40°    | 1064.9 | 906.0  | 1049.0 | 1044.1 | 1134.4 | 995.4  |
| 42.5°  | 963.1  | 828.0  | 948.8  | 990.5  | 1097.7 | 915.8  |
| 45°    | 777.7  | 761.8  | 769.7  | 899.9  | 1019.6 | 834.9  |
| 47.5°  | 711.1  | 700.4  | 707.2  | 817.4  | 931.4  | 799.6  |
| 50°    | 672.1  | 658.2  | 668.1  | 763.8  | 875.2  | 771.9  |
| 52.5°  | 617.9  | 580.2  | 613.9  | 690.7  | 817.0  | 726.4  |
| 55°    | 464.6  | 351.4  | 462.7  | 607.4  | 729.5  | 650.0  |
| 57.5°  | 272.7  | 203.1  | 266.7  | 528.6  | 618.1  | 569.2  |
| 60°    | 184.5  | 170.6  | 186.5  | 465.2  | 543.9  | 522.1  |
| 62.5°  | 168.5  | 164.1  | 168.9  | 323.8  | 477.7  | 474.9  |
| 65°    | 154.3  | 152.4  | 154.3  | 186.9  | 394.4  | 406.3  |
| 67.5°  | 139.7  | 137.7  | 141.3  | 143.4  | 311.4  | 336.4  |
| 70°    | 130.0  | 128.0  | 130.0  | 132.0  | 238.9  | 292.5  |
| 72.5°  | 118.6  | 116.6  | 118.6  | 120.7  | 168.0  | 250.3  |
| 75°    | 101.5  | 99.5   | 101.5  | 103.6  | 111.5  | 188.9  |
| 77.5°  | 82.1   | 82.1   | 84.1   | 84.1   | 78.0   | 131.2  |
| 80°    | 69.1   | 69.1   | 71.1   | 71.1   | 67.7   | 95.5   |
| 82.5°  | 56.0   | 54.4   | 58.0   | 59.7   | 55.9   | 67.8   |
| 85°    | 34.5   | 32.5   | 36.5   | 38.6   | 36.5   | 32.5   |
| 87.5°  | 15.1   | 13.6   | 16.7   | 19.3   | 18.4   | 9.8    |
| 90°    | 10.9   | 10.9   | 10.9   | 7.3    | 3.5    | 0.0    |
| 92.5°  | 22.6   | 25.4   | 22.6   | 16.0   | 12.3   | 8.7    |
| 95°    | 32.8   | 39.9   | 32.8   | 29.0   | 53.9   | 29.0   |
| 97.5°  | 62.9   | 54.4   | 62.9   | 213.4  | 103.3  | 51.5   |
| 100°   | 126.0  | 83.5   | 126.0  | 428.2  | 129.3  | 68.9   |
| 102.5° | 332.6  | 182.2  | 332.6  | 579.2  | 149.5  | 86.4   |
| 105°   | 839.1  | 555.2  | 839.1  | 656.8  | 172.8  | 112.5  |
| 107.5° | 1221.2 | 1143.8 | 1221.2 | 627.1  | 184.0  | 138.6  |
| 110°   | 1283.1 | 1378.9 | 1283.1 | 609.6  | 198.6  | 156.0  |





TEST NUMBER: P621645

CATALOG NUMBER: VLT-FA-075U-125D-840-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 1246.9 | 1408.0 | 1246.9 | 592.2 | 216.0  | 173.5 |
| 115°   | 1176.6 | 1375.3 | 1176.6 | 566.1 | 242.2  | 199.6 |
| 117.5° | 1100.5 | 1304.9 | 1100.5 | 559.6 | 268.3  | 226.4 |
| 120°   | 1042.7 | 1255.6 | 1042.7 | 548.0 | 285.8  | 246.8 |
| 122.5° | 992.9  | 1188.8 | 992.9  | 533.4 | 303.1  | 261.3 |
| 125°   | 932.8  | 1103.2 | 932.8  | 533.4 | 325.7  | 286.7 |
| 127.5° | 863.1  | 1031.3 | 863.1  | 534.2 | 347.5  | 307.7 |
| 130°   | 816.5  | 976.2  | 816.5  | 537.1 | 361.9  | 319.3 |
| 132.5° | 795.5  | 926.8  | 795.5  | 537.1 | 376.4  | 333.9 |
| 135°   | 768.3  | 881.8  | 768.3  | 537.1 | 394.7  | 355.6 |
| 137.5° | 738.1  | 835.4  | 738.1  | 537.1 | 415.6  | 373.8 |
| 140°   | 720.5  | 809.2  | 720.5  | 537.1 | 427.3  | 388.3 |
| 142.5° | 700.1  | 783.1  | 700.1  | 540.0 | 439.0  | 402.8 |
| 145°   | 669.3  | 740.3  | 669.3  | 540.7 | 456.4  | 420.9 |
| 147.5° | 647.2  | 701.8  | 647.2  | 545.0 | 473.9  | 442.7 |
| 150°   | 632.5  | 678.6  | 632.5  | 548.0 | 485.6  | 457.2 |
| 152.5° | 620.7  | 658.3  | 620.7  | 548.0 | 497.3  | 471.7 |
| 155°   | 606.7  | 635.0  | 606.7  | 551.6 | 511.3  | 493.5 |
| 157.5° | 597.8  | 618.3  | 597.8  | 555.9 | 528.0  | 510.9 |
| 160°   | 591.9  | 609.6  | 591.9  | 558.8 | 536.7  | 522.5 |
| 162.5° | 588.9  | 600.9  | 588.9  | 561.7 | 545.5  | 531.3 |
| 165°   | 580.9  | 591.5  | 580.9  | 566.1 | 555.0  | 548.0 |
| 167.5° | 577.1  | 583.5  | 577.1  | 569.7 | 563.8  | 557.4 |
| 170°   | 577.1  | 580.6  | 577.1  | 569.7 | 569.6  | 566.1 |
| 172.5° | 574.2  | 577.7  | 574.2  | 572.6 | 575.4  | 569.0 |
| 175°   | 573.3  | 569.7  | 573.3  | 577.0 | 580.5  | 577.0 |
| 177.5° | 576.9  | 574.1  | 576.9  | 577.0 | 579.8  | 577.0 |
| 180°   | 577.0  | 577.0  | 577.0  | 577.0 | 577.0  | 577.0 |

(END OF REPORT)