

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P621683

Luminaire Tested: VLT-FA-100U-075D-935-UNV-STD-W-4

Issue Date: 9/2/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P621683  
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-075D-935-UNV-STD-W-4  
Description: CORELITE VAULT SUSPENDED LED LUMINAIRE  
LIGHT SHAPING LENS - ASYMMETRIC  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

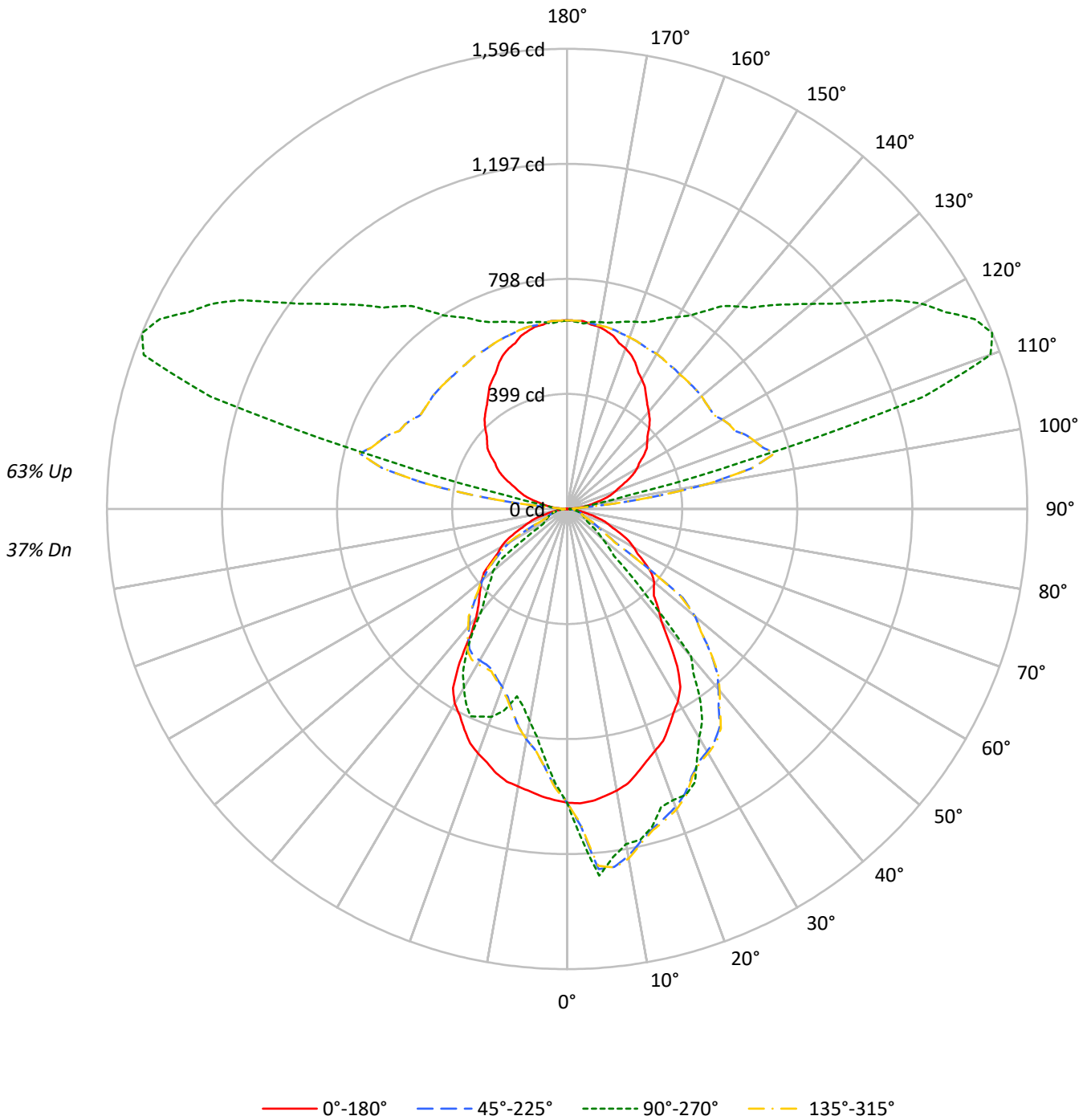
Lumens per Lamp: N/A  
Luminaire Lumens: 5614.3 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.19 / 1.3  
Luminous Opening: Rectangular (W 0.38' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 50.6  
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: P621683  
CATALOG NUMBER: VLT-FA-100U-075D-935-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P621683  
 CATALOG NUMBER: VLT-FA-100U-075D-935-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   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 76 | 76 | 76 | 60 | 60 | 60 | 45 | 45 | 45 | 37 |    |    |    |   |
| 1   | 96  | 92  | 88  | 85  | 87 | 83 | 80 | 78 | 68 | 66 | 64 | 54 | 52 | 51 | 40 | 40 | 39 | 33 |    |    |    |   |
| 2   | 88  | 81  | 75  | 70  | 79 | 74 | 69 | 65 | 60 | 57 | 54 | 48 | 45 | 44 | 36 | 35 | 34 | 28 |    |    |    |   |
| 3   | 80  | 71  | 65  | 59  | 73 | 65 | 59 | 55 | 54 | 49 | 46 | 43 | 40 | 37 | 33 | 31 | 29 | 25 |    |    |    |   |
| 4   | 74  | 64  | 56  | 50  | 67 | 58 | 52 | 47 | 48 | 43 | 40 | 38 | 35 | 33 | 30 | 27 | 26 | 22 |    |    |    |   |
| 5   | 68  | 57  | 49  | 44  | 61 | 52 | 45 | 40 | 43 | 38 | 34 | 35 | 31 | 29 | 27 | 25 | 23 | 19 |    |    |    |   |
| 6   | 62  | 51  | 43  | 38  | 57 | 47 | 40 | 35 | 39 | 34 | 30 | 31 | 28 | 25 | 25 | 22 | 20 | 17 |    |    |    |   |
| 7   | 58  | 46  | 39  | 33  | 52 | 42 | 36 | 31 | 35 | 30 | 27 | 29 | 25 | 22 | 23 | 20 | 18 | 15 |    |    |    |   |
| 8   | 54  | 42  | 35  | 30  | 49 | 39 | 32 | 28 | 32 | 27 | 24 | 26 | 23 | 20 | 21 | 18 | 16 | 14 |    |    |    |   |
| 9   | 50  | 38  | 31  | 26  | 45 | 35 | 29 | 25 | 30 | 25 | 21 | 24 | 21 | 18 | 19 | 17 | 15 | 13 |    |    |    |   |
| 10  | 47  | 35  | 28  | 24  | 42 | 32 | 26 | 22 | 27 | 23 | 19 | 22 | 19 | 16 | 18 | 15 | 14 | 12 |    |    |    |   |

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

|     | 0°   | 90°  | 180° | 270° |
|-----|------|------|------|------|
| 0°  | 7309 | 7309 | 7309 | 7309 |
| 5°  | 7322 | 9196 | 7210 | 6270 |
| 10° | 7225 | 8600 | 7120 | 5444 |
| 15° | 7028 | 8468 | 7051 | 4996 |
| 20° | 6813 | 8205 | 6892 | 5856 |
| 25° | 6604 | 8295 | 6678 | 6284 |
| 30° | 6370 | 7590 | 6457 | 5933 |
| 35° | 5837 | 7034 | 5692 | 5319 |
| 40° | 4756 | 6260 | 4591 | 4329 |
| 45° | 4322 | 2324 | 4364 | 3944 |
| 50° | 4395 | 1769 | 4315 | 3748 |
| 55° | 4149 | 1374 | 4006 | 2243 |
| 60° | 3822 | 1056 | 3792 | 1249 |
| 65° | 3518 | 1090 | 3449 | 1319 |
| 70° | 3130 | 1152 | 3044 | 1370 |
| 75° | 2673 | 1206 | 2556 | 1408 |
| 80° | 2013 | 1240 | 1884 | 1455 |
| 85° | 1367 | 1112 | 1194 | 1367 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 8003 cd/sqm



TEST NUMBER: P621683

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 98.3   | 1.8       |
| 10°-20°   | 269.2  | 4.8       |
| 20°-30°   | 402.7  | 7.2       |
| 30°-40°   | 458.0  | 8.2       |
| 40°-50°   | 391.7  | 7.0       |
| 50°-60°   | 264.2  | 4.7       |
| 60°-70°   | 136.3  | 2.4       |
| 70°-80°   | 61.6   | 1.1       |
| 80°-90°   | 19.8   | 0.4       |
| 90°-100°  | 80.4   | 1.4       |
| 100°-110° | 572.9  | 10.2      |
| 110°-120° | 777.8  | 13.9      |
| 120°-130° | 633.0  | 11.3      |
| 130°-140° | 509.1  | 9.1       |
| 140°-150° | 401.4  | 7.1       |
| 150°-160° | 293.5  | 5.2       |
| 160°-170° | 182.3  | 3.2       |
| 170°-180° | 62.2   | 1.1       |
| 0°-30°    | 770.2  | 13.7      |
| 0°-40°    | 1228.2 | 21.9      |
| 0°-60°    | 1884.1 | 33.6      |
| 0°-90°    | 2101.8 | 37.4      |
| 90°-120°  | 1431.1 | 25.5      |
| 90°-150°  | 2974.6 | 53.0      |
| 90°-180°  | 3513.0 | 62.6      |
| 0°-180°   | 5614.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 1019 | 1019 | 1019 | 1019 | 1019 |      |
| 5°   | 1016 | 1277 | 1001 | 870  | 1016 | 96   |
| 15°  | 946  | 1140 | 949  | 672  | 946  | 266  |
| 25°  | 834  | 1048 | 843  | 794  | 834  | 384  |
| 35°  | 666  | 803  | 650  | 607  | 666  | 407  |
| 45°  | 426  | 229  | 430  | 389  | 426  | 338  |
| 55°  | 332  | 110  | 320  | 179  | 332  | 295  |
| 65°  | 207  | 64   | 203  | 78   | 207  | 205  |
| 75°  | 96   | 44   | 92   | 51   | 96   | 103  |
| 85°  | 17   | 14   | 14   | 17   | 17   | 21   |
| 90°  | 0    | 12   | 0    | 12   | 0    | 2    |
| 95°  | 33   | 45   | 33   | 45   | 33   | 37   |
| 105° | 128  | 629  | 128  | 629  | 128  | 134  |
| 115° | 226  | 1559 | 226  | 1559 | 226  | 225  |
| 125° | 325  | 1250 | 325  | 1250 | 325  | 289  |
| 135° | 403  | 999  | 403  | 999  | 403  | 310  |
| 145° | 477  | 839  | 477  | 839  | 477  | 300  |
| 155° | 559  | 720  | 559  | 720  | 559  | 257  |
| 165° | 621  | 670  | 621  | 670  | 621  | 174  |
| 175° | 654  | 646  | 654  | 646  | 654  | 62   |
| 180° | 654  | 654  | 654  | 654  | 654  |      |



TEST NUMBER: P621683

CATALOG NUMBER: VLT-FA-100U-075D-935-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 |
| 2.5°   | 1021.9 | 1056.7 | 1100.6 | 1130.8 | 1143.7 | 1130.8 | 1093.2 | 1056.5 | 1010.3 | 996.5  | 963.9  |
| 5°     | 1016.5 | 1123.9 | 1253.8 | 1269.5 | 1276.6 | 1269.5 | 1242.4 | 1117.5 | 1000.9 | 951.3  | 897.3  |
| 7.5°   | 1004.1 | 1191.9 | 1252.3 | 1217.3 | 1217.5 | 1224.0 | 1254.2 | 1186.1 | 987.9  | 909.9  | 843.7  |
| 10°    | 991.6  | 1229.7 | 1221.7 | 1171.1 | 1180.2 | 1176.2 | 1231.0 | 1222.3 | 977.1  | 886.9  | 811.3  |
| 12.5°  | 975.0  | 1241.5 | 1181.0 | 1164.5 | 1174.4 | 1168.7 | 1187.0 | 1235.1 | 968.0  | 870.5  | 774.0  |
| 15°    | 946.0  | 1224.6 | 1147.0 | 1139.8 | 1139.8 | 1144.9 | 1152.2 | 1229.8 | 949.1  | 840.7  | 728.4  |
| 17.5°  | 916.2  | 1191.0 | 1123.4 | 1087.5 | 1083.6 | 1090.3 | 1131.9 | 1199.6 | 922.4  | 807.7  | 684.3  |
| 20°    | 892.1  | 1167.7 | 1099.4 | 1057.3 | 1074.5 | 1059.3 | 1108.7 | 1174.0 | 902.5  | 787.0  | 656.9  |
| 22.5°  | 870.6  | 1138.9 | 1068.7 | 1050.8 | 1073.7 | 1051.2 | 1077.2 | 1145.1 | 879.3  | 763.8  | 636.2  |
| 25°    | 834.1  | 1090.4 | 1022.7 | 1039.5 | 1047.6 | 1039.5 | 1026.8 | 1094.7 | 843.4  | 734.0  | 614.5  |
| 27.5°  | 797.9  | 1039.4 | 988.3  | 999.6  | 974.8  | 993.9  | 993.9  | 1039.6 | 806.6  | 699.4  | 607.8  |
| 30°    | 768.8  | 1003.9 | 970.9  | 954.5  | 916.0  | 946.4  | 978.1  | 1004.1 | 779.2  | 676.9  | 606.2  |
| 32.5°  | 730.7  | 971.4  | 953.5  | 896.8  | 872.0  | 892.7  | 961.6  | 970.8  | 736.9  | 656.5  | 604.5  |
| 35°    | 666.3  | 925.6  | 922.2  | 828.4  | 803.0  | 822.3  | 929.4  | 923.2  | 649.7  | 624.4  | 591.7  |
| 37.5°  | 579.8  | 884.8  | 862.3  | 759.2  | 718.9  | 754.2  | 869.1  | 880.4  | 546.5  | 594.9  | 561.6  |
| 40°    | 507.7  | 857.3  | 817.5  | 707.8  | 668.3  | 702.8  | 822.7  | 854.8  | 490.1  | 574.2  | 528.4  |
| 42.5°  | 467.1  | 832.9  | 770.3  | 653.4  | 408.9  | 645.1  | 775.5  | 829.8  | 455.3  | 547.5  | 499.4  |
| 45°    | 425.9  | 788.6  | 701.5  | 361.7  | 229.0  | 344.5  | 702.5  | 777.5  | 430.0  | 507.0  | 454.9  |
| 47.5°  | 407.8  | 734.1  | 629.6  | 217.9  | 193.4  | 211.6  | 629.0  | 722.1  | 408.0  | 466.4  | 412.4  |
| 50°    | 393.7  | 699.7  | 578.2  | 192.0  | 158.5  | 184.9  | 579.2  | 688.4  | 386.5  | 439.2  | 383.4  |
| 52.5°  | 370.5  | 658.7  | 504.4  | 159.1  | 137.0  | 155.2  | 492.2  | 645.8  | 364.1  | 409.5  | 346.9  |
| 55°    | 331.6  | 579.8  | 210.3  | 125.0  | 109.8  | 120.0  | 200.0  | 560.3  | 320.2  | 362.7  | 304.6  |
| 57.5°  | 290.3  | 493.6  | 147.6  | 97.3   | 85.2   | 96.3   | 146.5  | 473.8  | 284.9  | 307.2  | 265.7  |
| 60°    | 266.3  | 435.5  | 120.2  | 81.7   | 73.6   | 80.7   | 119.2  | 418.2  | 264.2  | 270.3  | 230.0  |
| 62.5°  | 242.3  | 376.6  | 99.5   | 71.9   | 69.4   | 70.8   | 99.3   | 357.7  | 238.5  | 238.9  | 162.1  |
| 65°    | 207.2  | 285.2  | 73.6   | 65.3   | 64.2   | 64.2   | 71.5   | 275.0  | 203.1  | 197.0  | 93.3   |
| 67.5°  | 171.6  | 204.8  | 59.1   | 60.1   | 59.1   | 59.1   | 58.0   | 199.1  | 167.4  | 157.1  | 70.5   |
| 70°    | 149.2  | 157.3  | 54.9   | 55.9   | 54.9   | 54.9   | 53.9   | 153.2  | 145.1  | 121.8  | 66.3   |
| 72.5°  | 127.7  | 107.4  | 50.8   | 51.0   | 50.8   | 50.8   | 49.7   | 100.8  | 123.5  | 85.6   | 60.5   |
| 75°    | 96.4   | 53.8   | 43.5   | 43.5   | 43.5   | 43.5   | 42.5   | 51.7   | 92.2   | 55.7   | 51.8   |
| 77.5°  | 66.9   | 35.5   | 36.1   | 35.9   | 35.9   | 35.0   | 35.0   | 35.2   | 63.0   | 38.5   | 41.9   |
| 80°    | 48.7   | 29.5   | 31.1   | 30.0   | 30.0   | 30.0   | 30.0   | 28.4   | 45.6   | 32.4   | 35.2   |
| 82.5°  | 34.6   | 23.5   | 25.3   | 24.2   | 24.2   | 24.2   | 24.2   | 23.2   | 31.5   | 26.4   | 28.6   |
| 85°    | 16.6   | 15.6   | 16.6   | 14.5   | 13.5   | 14.5   | 15.5   | 15.5   | 14.5   | 17.5   | 18.7   |
| 87.5°  | 5.0    | 8.2    | 8.3    | 7.4    | 7.4    | 7.4    | 7.4    | 7.4    | 4.1    | 9.0    | 9.1    |
| 90°    | 0.0    | 4.0    | 8.2    | 12.3   | 12.3   | 12.3   | 8.2    | 4.0    | 0.0    | 4.0    | 8.2    |
| 92.5°  | 9.9    | 13.9   | 18.1   | 25.6   | 28.8   | 25.6   | 18.1   | 13.9   | 9.9    | 13.9   | 18.1   |
| 95°    | 32.9   | 61.0   | 32.9   | 37.2   | 45.2   | 37.2   | 32.9   | 61.0   | 32.9   | 61.0   | 32.9   |
| 97.5°  | 58.4   | 117.1  | 241.8  | 71.3   | 61.7   | 71.3   | 241.8  | 117.1  | 58.4   | 117.1  | 241.8  |
| 100°   | 78.1   | 146.5  | 485.3  | 142.8  | 94.6   | 142.8  | 485.3  | 146.5  | 78.1   | 146.5  | 485.3  |
| 102.5° | 97.9   | 169.5  | 656.4  | 376.9  | 206.5  | 376.9  | 656.4  | 169.5  | 97.9   | 169.5  | 656.4  |
| 105°   | 127.5  | 195.8  | 744.4  | 950.9  | 629.2  | 950.9  | 744.4  | 195.8  | 127.5  | 195.8  | 744.4  |
| 107.5° | 157.1  | 208.6  | 710.6  | 1383.9 | 1296.3 | 1383.9 | 710.6  | 208.6  | 157.1  | 208.6  | 710.6  |
| 110°   | 176.8  | 225.1  | 690.9  | 1454.2 | 1562.8 | 1454.2 | 690.9  | 225.1  | 176.8  | 225.1  | 690.9  |



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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° | 196.6 | 244.8 | 671.2 | 1413.1 | 1595.7 | 1413.1 | 671.2 | 244.8  | 196.6 | 244.8  | 671.2 |
| 115°   | 226.2 | 274.4 | 641.6 | 1333.5 | 1558.7 | 1333.5 | 641.6 | 274.4  | 226.2 | 274.4  | 641.6 |
| 117.5° | 256.6 | 304.1 | 634.2 | 1247.3 | 1478.9 | 1247.3 | 634.2 | 304.1  | 256.6 | 304.1  | 634.2 |
| 120°   | 279.7 | 323.9 | 621.0 | 1181.7 | 1422.9 | 1181.7 | 621.0 | 323.9  | 279.7 | 323.9  | 621.0 |
| 122.5° | 296.1 | 343.6 | 604.5 | 1125.3 | 1347.3 | 1125.3 | 604.5 | 343.6  | 296.1 | 343.6  | 604.5 |
| 125°   | 324.9 | 369.1 | 604.5 | 1057.2 | 1250.2 | 1057.2 | 604.5 | 369.1  | 324.9 | 369.1  | 604.5 |
| 127.5° | 348.7 | 393.8 | 605.4 | 978.2  | 1168.8 | 978.2  | 605.4 | 393.8  | 348.7 | 393.8  | 605.4 |
| 130°   | 361.9 | 410.2 | 608.7 | 925.3  | 1106.3 | 925.3  | 608.7 | 410.2  | 361.9 | 410.2  | 608.7 |
| 132.5° | 378.4 | 426.6 | 608.7 | 901.6  | 1050.3 | 901.6  | 608.7 | 426.6  | 378.4 | 426.6  | 608.7 |
| 135°   | 403.0 | 447.3 | 608.7 | 870.7  | 999.3  | 870.7  | 608.7 | 447.3  | 403.0 | 447.3  | 608.7 |
| 137.5° | 423.6 | 471.0 | 608.7 | 836.5  | 946.7  | 836.5  | 608.7 | 471.0  | 423.6 | 471.0  | 608.7 |
| 140°   | 440.0 | 484.3 | 608.7 | 816.6  | 917.1  | 816.6  | 608.7 | 484.3  | 440.0 | 484.3  | 608.7 |
| 142.5° | 456.5 | 497.5 | 611.9 | 793.4  | 887.5  | 793.4  | 611.9 | 497.5  | 456.5 | 497.5  | 611.9 |
| 145°   | 477.1 | 517.3 | 612.8 | 758.5  | 839.0  | 758.5  | 612.8 | 517.3  | 477.1 | 517.3  | 612.8 |
| 147.5° | 501.7 | 537.1 | 617.7 | 733.4  | 795.4  | 733.4  | 617.7 | 537.1  | 501.7 | 537.1  | 617.7 |
| 150°   | 518.2 | 550.4 | 621.0 | 716.8  | 769.0  | 716.8  | 621.0 | 550.4  | 518.2 | 550.4  | 621.0 |
| 152.5° | 534.6 | 563.6 | 621.0 | 703.4  | 746.0  | 703.4  | 621.0 | 563.6  | 534.6 | 563.6  | 621.0 |
| 155°   | 559.3 | 579.4 | 625.1 | 687.5  | 719.7  | 687.5  | 625.1 | 579.4  | 559.3 | 579.4  | 625.1 |
| 157.5° | 579.0 | 598.3 | 630.0 | 677.5  | 700.8  | 677.5  | 630.0 | 598.3  | 579.0 | 598.3  | 630.0 |
| 160°   | 592.2 | 608.3 | 633.3 | 670.8  | 690.9  | 670.8  | 633.3 | 608.3  | 592.2 | 608.3  | 633.3 |
| 162.5° | 602.1 | 618.2 | 636.6 | 667.4  | 681.0  | 667.4  | 636.6 | 618.2  | 602.1 | 618.2  | 636.6 |
| 165°   | 621.0 | 629.0 | 641.6 | 658.3  | 670.3  | 658.3  | 641.6 | 629.0  | 621.0 | 629.0  | 641.6 |
| 167.5° | 631.7 | 638.9 | 645.7 | 654.1  | 661.3  | 654.1  | 645.7 | 638.9  | 631.7 | 638.9  | 645.7 |
| 170°   | 641.6 | 645.6 | 645.7 | 654.0  | 658.0  | 654.0  | 645.7 | 645.6  | 641.6 | 645.6  | 645.7 |
| 172.5° | 644.8 | 652.1 | 649.0 | 650.7  | 654.7  | 650.7  | 649.0 | 652.1  | 644.8 | 652.1  | 649.0 |
| 175°   | 653.9 | 657.9 | 653.9 | 649.7  | 645.7  | 649.7  | 653.9 | 657.9  | 653.9 | 657.9  | 653.9 |
| 177.5° | 653.9 | 657.1 | 653.9 | 653.8  | 650.6  | 653.8  | 653.9 | 657.1  | 653.9 | 657.1  | 653.9 |
| 180°   | 653.9 | 653.9 | 653.9 | 653.9  | 653.9  | 653.9  | 653.9 | 653.9  | 653.9 | 653.9  | 653.9 |



TEST NUMBER: P621683

CATALOG NUMBER: VLT-FA-100U-075D-935-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 | 1018.6 |
| 2.5°   | 952.2  | 951.4  | 953.0  | 967.2  | 995.9  | 1021.9 |
| 5°     | 867.3  | 870.4  | 873.4  | 897.3  | 947.6  | 1016.5 |
| 7.5°   | 802.1  | 797.6  | 804.5  | 843.4  | 905.2  | 1004.1 |
| 10°    | 757.2  | 747.1  | 757.2  | 810.3  | 882.2  | 991.6  |
| 12.5°  | 714.9  | 702.3  | 718.1  | 776.3  | 863.2  | 975.0  |
| 15°    | 660.3  | 672.5  | 665.4  | 730.5  | 834.6  | 946.0  |
| 17.5°  | 673.2  | 734.4  | 686.2  | 690.7  | 806.2  | 916.2  |
| 20°    | 704.0  | 766.8  | 724.2  | 664.2  | 787.8  | 892.1  |
| 22.5°  | 731.8  | 779.2  | 740.7  | 641.8  | 769.5  | 870.6  |
| 25°    | 753.2  | 793.7  | 751.2  | 621.7  | 742.9  | 834.1  |
| 27.5°  | 754.3  | 759.9  | 754.7  | 620.0  | 710.1  | 797.9  |
| 30°    | 740.3  | 716.0  | 738.3  | 621.7  | 686.8  | 768.8  |
| 32.5°  | 700.4  | 672.9  | 691.9  | 618.4  | 663.2  | 730.7  |
| 35°    | 643.7  | 607.2  | 633.5  | 601.0  | 626.7  | 666.3  |
| 37.5°  | 583.8  | 537.6  | 574.0  | 566.6  | 595.6  | 579.8  |
| 40°    | 543.2  | 462.1  | 535.1  | 532.6  | 578.6  | 507.7  |
| 42.5°  | 491.2  | 422.3  | 483.9  | 505.2  | 559.9  | 467.1  |
| 45°    | 396.7  | 388.6  | 392.6  | 459.0  | 520.1  | 425.9  |
| 47.5°  | 362.7  | 357.3  | 360.7  | 417.0  | 475.1  | 407.8  |
| 50°    | 342.8  | 335.7  | 340.8  | 389.6  | 446.4  | 393.7  |
| 52.5°  | 315.2  | 295.9  | 313.2  | 352.3  | 416.7  | 370.5  |
| 55°    | 237.0  | 179.3  | 236.0  | 309.8  | 372.1  | 331.6  |
| 57.5°  | 139.1  | 103.6  | 136.0  | 269.6  | 315.3  | 290.3  |
| 60°    | 94.1   | 87.0   | 95.1   | 237.3  | 277.4  | 266.3  |
| 62.5°  | 86.0   | 83.7   | 86.2   | 165.2  | 243.7  | 242.3  |
| 65°    | 78.7   | 77.7   | 78.7   | 95.3   | 201.2  | 207.2  |
| 67.5°  | 71.3   | 70.3   | 72.1   | 73.2   | 158.8  | 171.6  |
| 70°    | 66.3   | 65.3   | 66.3   | 67.4   | 121.9  | 149.2  |
| 72.5°  | 60.5   | 59.5   | 60.5   | 61.5   | 85.7   | 127.7  |
| 75°    | 51.8   | 50.8   | 51.8   | 52.8   | 56.9   | 96.4   |
| 77.5°  | 41.9   | 41.9   | 42.9   | 42.9   | 39.8   | 66.9   |
| 80°    | 35.2   | 35.2   | 36.2   | 36.3   | 34.5   | 48.7   |
| 82.5°  | 28.6   | 27.8   | 29.6   | 30.5   | 28.5   | 34.6   |
| 85°    | 17.6   | 16.6   | 18.6   | 19.7   | 18.6   | 16.6   |
| 87.5°  | 9.1    | 8.3    | 9.9    | 10.8   | 9.8    | 5.0    |
| 90°    | 12.3   | 12.3   | 12.3   | 8.2    | 4.0    | 0.0    |
| 92.5°  | 25.6   | 28.8   | 25.6   | 18.1   | 13.9   | 9.9    |
| 95°    | 37.2   | 45.2   | 37.2   | 32.9   | 61.0   | 32.9   |
| 97.5°  | 71.3   | 61.7   | 71.3   | 241.8  | 117.1  | 58.4   |
| 100°   | 142.8  | 94.6   | 142.8  | 485.3  | 146.5  | 78.1   |
| 102.5° | 376.9  | 206.5  | 376.9  | 656.4  | 169.5  | 97.9   |
| 105°   | 950.9  | 629.2  | 950.9  | 744.4  | 195.8  | 127.5  |
| 107.5° | 1383.9 | 1296.3 | 1383.9 | 710.6  | 208.6  | 157.1  |
| 110°   | 1454.2 | 1562.8 | 1454.2 | 690.9  | 225.1  | 176.8  |





TEST NUMBER: P621683

CATALOG NUMBER: VLT-FA-100U-075D-935-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 270°   | 292.5° | 315°  | 337.5° | 360°  |
|--------|--------|--------|--------|-------|--------|-------|
| 112.5° | 1413.1 | 1595.7 | 1413.1 | 671.2 | 244.8  | 196.6 |
| 115°   | 1333.5 | 1558.7 | 1333.5 | 641.6 | 274.4  | 226.2 |
| 117.5° | 1247.3 | 1478.9 | 1247.3 | 634.2 | 304.1  | 256.6 |
| 120°   | 1181.7 | 1422.9 | 1181.7 | 621.0 | 323.9  | 279.7 |
| 122.5° | 1125.3 | 1347.3 | 1125.3 | 604.5 | 343.6  | 296.1 |
| 125°   | 1057.2 | 1250.2 | 1057.2 | 604.5 | 369.1  | 324.9 |
| 127.5° | 978.2  | 1168.8 | 978.2  | 605.4 | 393.8  | 348.7 |
| 130°   | 925.3  | 1106.3 | 925.3  | 608.7 | 410.2  | 361.9 |
| 132.5° | 901.6  | 1050.3 | 901.6  | 608.7 | 426.6  | 378.4 |
| 135°   | 870.7  | 999.3  | 870.7  | 608.7 | 447.3  | 403.0 |
| 137.5° | 836.5  | 946.7  | 836.5  | 608.7 | 471.0  | 423.6 |
| 140°   | 816.6  | 917.1  | 816.6  | 608.7 | 484.3  | 440.0 |
| 142.5° | 793.4  | 887.5  | 793.4  | 611.9 | 497.5  | 456.5 |
| 145°   | 758.5  | 839.0  | 758.5  | 612.8 | 517.3  | 477.1 |
| 147.5° | 733.4  | 795.4  | 733.4  | 617.7 | 537.1  | 501.7 |
| 150°   | 716.8  | 769.0  | 716.8  | 621.0 | 550.4  | 518.2 |
| 152.5° | 703.4  | 746.0  | 703.4  | 621.0 | 563.6  | 534.6 |
| 155°   | 687.5  | 719.7  | 687.5  | 625.1 | 579.4  | 559.3 |
| 157.5° | 677.5  | 700.8  | 677.5  | 630.0 | 598.3  | 579.0 |
| 160°   | 670.8  | 690.9  | 670.8  | 633.3 | 608.3  | 592.2 |
| 162.5° | 667.4  | 681.0  | 667.4  | 636.6 | 618.2  | 602.1 |
| 165°   | 658.3  | 670.3  | 658.3  | 641.6 | 629.0  | 621.0 |
| 167.5° | 654.1  | 661.3  | 654.1  | 645.7 | 638.9  | 631.7 |
| 170°   | 654.0  | 658.0  | 654.0  | 645.7 | 645.6  | 641.6 |
| 172.5° | 650.7  | 654.7  | 650.7  | 649.0 | 652.1  | 644.8 |
| 175°   | 649.7  | 645.7  | 649.7  | 653.9 | 657.9  | 653.9 |
| 177.5° | 653.8  | 650.6  | 653.8  | 653.9 | 657.1  | 653.9 |
| 180°   | 653.9  | 653.9  | 653.9  | 653.9 | 653.9  | 653.9 |

(END OF REPORT)