

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: P709347

Luminaire Tested: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4

Issue Date: 3/5/2020

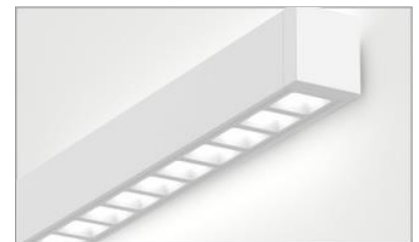
Test Information

Test Method: LM-79-2019
Report Number: P709347
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-2, G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7344.2 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

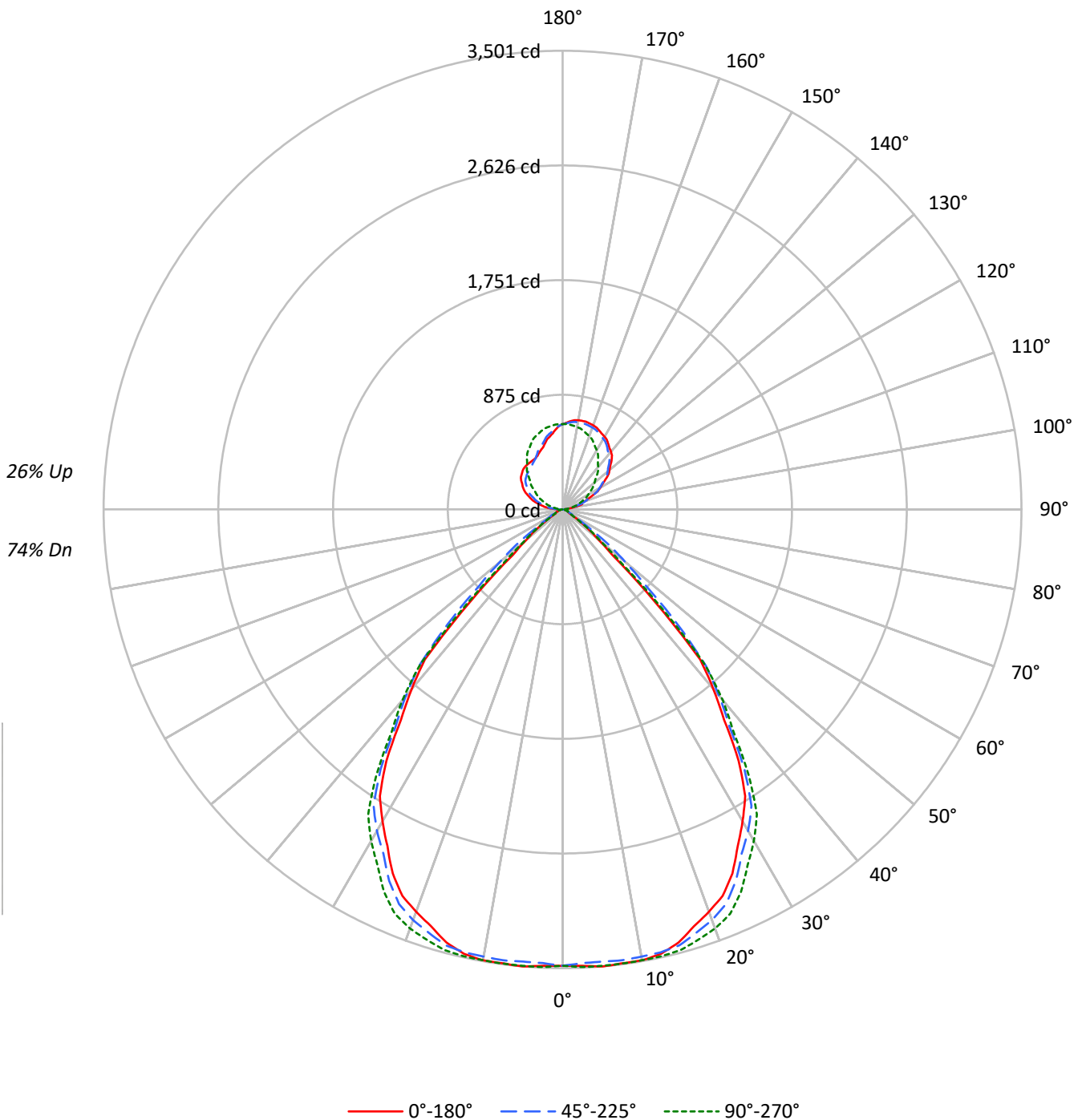
Input Watts (W): 64.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709347

CATALOG NUMBER: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709347

CATALOG NUMBER: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-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 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 | 74 |
| 1 | 106 | 102 | 99 | 97 | 101 | 98 | 95 | 93 | 89 | 87 | 85 | 81 | 79 | 78 | 73 | 72 | 71 | 68 |
| 2 | 99 | 93 | 88 | 84 | 94 | 89 | 84 | 81 | 81 | 78 | 75 | 74 | 72 | 70 | 68 | 66 | 64 | 61 |
| 3 | 92 | 84 | 78 | 73 | 88 | 81 | 75 | 71 | 74 | 70 | 67 | 68 | 65 | 62 | 63 | 60 | 58 | 55 |
| 4 | 86 | 77 | 70 | 65 | 82 | 74 | 68 | 63 | 68 | 63 | 60 | 63 | 59 | 56 | 58 | 55 | 53 | 50 |
| 5 | 80 | 70 | 63 | 58 | 76 | 67 | 61 | 56 | 63 | 58 | 54 | 58 | 54 | 51 | 54 | 51 | 48 | 46 |
| 6 | 75 | 64 | 57 | 52 | 71 | 62 | 55 | 51 | 58 | 52 | 48 | 54 | 49 | 46 | 50 | 47 | 44 | 42 |
| 7 | 70 | 59 | 52 | 47 | 67 | 57 | 51 | 46 | 53 | 48 | 44 | 50 | 45 | 42 | 47 | 43 | 40 | 38 |
| 8 | 66 | 54 | 47 | 43 | 63 | 53 | 46 | 42 | 49 | 44 | 40 | 46 | 42 | 38 | 43 | 40 | 37 | 35 |
| 9 | 62 | 50 | 44 | 39 | 59 | 49 | 43 | 38 | 46 | 41 | 37 | 43 | 39 | 35 | 41 | 37 | 34 | 32 |
| 10 | 58 | 47 | 40 | 36 | 56 | 45 | 39 | 35 | 43 | 37 | 34 | 40 | 36 | 33 | 38 | 34 | 31 | 30 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 56225 | 56225 | 56225 | 56225 | 56225 |
| 5° | 56747 | 56131 | 56666 | 56131 | 56747 |
| 10° | 57289 | 56814 | 57272 | 56814 | 57289 |
| 15° | 57190 | 57561 | 58191 | 57561 | 57190 |
| 20° | 56127 | 57286 | 58477 | 57286 | 56127 |
| 25° | 54619 | 55726 | 57377 | 55726 | 54619 |
| 30° | 51220 | 52799 | 54441 | 52799 | 51220 |
| 35° | 46180 | 47671 | 48817 | 47671 | 46180 |
| 40° | 37761 | 39190 | 40078 | 39190 | 37761 |
| 45° | 22735 | 28303 | 25060 | 28303 | 22735 |
| 50° | 8854 | 15723 | 9909 | 15723 | 8854 |
| 55° | 4752 | 7125 | 4808 | 7125 | 4752 |
| 60° | 2063 | 3523 | 2257 | 3523 | 2063 |
| 65° | 1945 | 2153 | 2021 | 2153 | 1945 |
| 70° | 1836 | 2028 | 1978 | 2028 | 1836 |
| 75° | 1747 | 1937 | 1934 | 1937 | 1747 |
| 80° | 1674 | 1869 | 1860 | 1869 | 1674 |
| 85° | 1667 | 1686 | 1667 | 1686 | 1667 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 28503 cd/sqm

TEST NUMBER: P709347

CATALOG NUMBER: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 332.7 | 4.5 |
| 10°-20° | 972.6 | 13.2 |
| 20°-30° | 1437.8 | 19.6 |
| 30°-40° | 1485.7 | 20.2 |
| 40°-50° | 893.9 | 12.2 |
| 50°-60° | 214.6 | 2.9 |
| 60°-70° | 58.7 | 0.8 |
| 70°-80° | 32.7 | 0.4 |
| 80°-90° | 13.0 | 0.2 |
| 90°-100° | 52.0 | 0.7 |
| 100°-110° | 151.3 | 2.1 |
| 110°-120° | 246.7 | 3.4 |
| 120°-130° | 313.2 | 4.3 |
| 130°-140° | 335.0 | 4.6 |
| 140°-150° | 312.8 | 4.3 |
| 150°-160° | 257.5 | 3.5 |
| 160°-170° | 172.7 | 2.4 |
| 170°-180° | 61.3 | 0.8 |
| 0°-30° | 2743.1 | 37.4 |
| 0°-40° | 4228.8 | 57.6 |
| 0°-60° | 5337.4 | 72.7 |
| 0°-90° | 5441.7 | 74.1 |
| 90°-120° | 450.0 | 6.1 |
| 90°-150° | 1410.9 | 19.2 |
| 90°-180° | 1903.0 | 25.9 |
| 0°-180° | 7344.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 3482 | 3482 | 3482 | 3482 | 3482 | |
| 5° | 3501 | 3463 | 3496 | 3463 | 3501 | 334 |
| 15° | 3421 | 3444 | 3481 | 3444 | 3421 | 961 |
| 25° | 3066 | 3128 | 3221 | 3128 | 3066 | 1400 |
| 35° | 2343 | 2419 | 2477 | 2419 | 2343 | 1437 |
| 45° | 996 | 1240 | 1098 | 1240 | 996 | 783 |
| 55° | 169 | 253 | 171 | 253 | 169 | 164 |
| 65° | 51 | 56 | 53 | 56 | 51 | 50 |
| 75° | 28 | 31 | 31 | 31 | 28 | 30 |
| 85° | 9 | 9 | 9 | 9 | 9 | 9 |
| 90° | 14 | 13 | 2 | 18 | 30 | 7 |
| 95° | 15 | 20 | 20 | 67 | 91 | 26 |
| 105° | 155 | 116 | 95 | 172 | 213 | 144 |
| 115° | 253 | 255 | 183 | 274 | 315 | 252 |
| 125° | 402 | 390 | 273 | 341 | 385 | 359 |
| 135° | 529 | 503 | 371 | 383 | 427 | 406 |
| 145° | 609 | 590 | 473 | 406 | 436 | 382 |
| 155° | 664 | 648 | 562 | 463 | 452 | 306 |
| 165° | 693 | 674 | 621 | 542 | 520 | 196 |
| 175° | 676 | 667 | 650 | 622 | 612 | 65 |
| 180° | 651 | 651 | 651 | 651 | 651 | |

TEST NUMBER: P709347

CATALOG NUMBER: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 |
| 2.5° | 3485.5 | 3488.0 | 3490.5 | 3480.5 | 3466.3 | 3465.2 | 3477.3 | 3487.3 | 3491.2 | 3495.1 | 3491.2 |
| 5° | 3501.3 | 3502.2 | 3503.1 | 3487.0 | 3465.2 | 3461.3 | 3475.0 | 3486.5 | 3491.4 | 3496.3 | 3491.4 |
| 7.5° | 3493.5 | 3497.0 | 3500.4 | 3488.7 | 3471.9 | 3469.4 | 3481.1 | 3490.6 | 3493.1 | 3495.7 | 3493.1 |
| 10° | 3494.3 | 3495.6 | 3497.0 | 3483.7 | 3465.5 | 3465.2 | 3483.0 | 3496.0 | 3494.6 | 3493.3 | 3494.6 |
| 12.5° | 3473.5 | 3477.0 | 3480.5 | 3471.7 | 3458.8 | 3464.1 | 3487.5 | 3503.6 | 3497.7 | 3491.7 | 3497.7 |
| 15° | 3421.4 | 3428.1 | 3434.7 | 3436.1 | 3435.6 | 3451.6 | 3484.0 | 3505.3 | 3493.3 | 3481.3 | 3493.3 |
| 17.5° | 3335.3 | 3343.8 | 3352.2 | 3363.4 | 3375.6 | 3402.7 | 3444.7 | 3472.5 | 3457.9 | 3443.4 | 3457.9 |
| 20° | 3266.6 | 3275.1 | 3283.5 | 3299.2 | 3317.4 | 3350.7 | 3399.1 | 3431.8 | 3417.6 | 3403.4 | 3417.6 |
| 22.5° | 3192.3 | 3199.3 | 3206.3 | 3222.0 | 3240.6 | 3276.7 | 3330.4 | 3367.4 | 3354.3 | 3341.1 | 3354.3 |
| 25° | 3065.9 | 3069.9 | 3073.9 | 3089.5 | 3109.1 | 3147.0 | 3203.4 | 3242.9 | 3231.8 | 3220.7 | 3231.8 |
| 27.5° | 2894.3 | 2901.2 | 2908.0 | 2924.0 | 2943.1 | 2978.5 | 3030.1 | 3067.7 | 3063.0 | 3058.3 | 3063.0 |
| 30° | 2747.3 | 2760.2 | 2773.1 | 2793.3 | 2815.9 | 2848.1 | 2889.8 | 2921.0 | 2920.5 | 2920.1 | 2920.5 |
| 32.5° | 2593.1 | 2609.2 | 2625.3 | 2646.3 | 2668.9 | 2696.3 | 2728.4 | 2753.3 | 2756.4 | 2759.5 | 2756.4 |
| 35° | 2342.9 | 2355.7 | 2368.6 | 2387.1 | 2407.6 | 2429.5 | 2453.0 | 2471.4 | 2474.0 | 2476.7 | 2474.0 |
| 37.5° | 2024.1 | 2037.0 | 2050.0 | 2066.4 | 2084.0 | 2104.0 | 2126.5 | 2143.4 | 2143.9 | 2144.3 | 2143.9 |
| 40° | 1791.6 | 1799.6 | 1807.6 | 1826.2 | 1848.4 | 1870.4 | 1892.1 | 1907.7 | 1904.6 | 1901.5 | 1904.6 |
| 42.5° | 1553.5 | 1558.7 | 1563.8 | 1583.3 | 1607.7 | 1629.3 | 1648.2 | 1656.6 | 1633.6 | 1610.6 | 1633.6 |
| 45° | 995.7 | 1078.7 | 1161.7 | 1203.7 | 1232.1 | 1247.0 | 1248.3 | 1232.5 | 1165.0 | 1097.5 | 1165.0 |
| 47.5° | 515.5 | 596.8 | 678.1 | 764.6 | 852.9 | 873.6 | 826.7 | 773.3 | 700.5 | 627.8 | 700.5 |
| 50° | 352.5 | 384.5 | 416.4 | 506.3 | 615.5 | 636.4 | 568.9 | 504.5 | 449.5 | 394.5 | 449.5 |
| 52.5° | 263.0 | 278.7 | 294.3 | 364.1 | 452.0 | 461.5 | 392.6 | 334.2 | 307.2 | 280.2 | 307.2 |
| 55° | 168.8 | 175.4 | 182.1 | 213.0 | 252.1 | 254.1 | 219.0 | 190.3 | 180.5 | 170.8 | 180.5 |
| 57.5° | 103.9 | 112.6 | 121.3 | 134.8 | 149.8 | 150.0 | 135.2 | 121.7 | 112.6 | 103.5 | 112.6 |
| 60° | 63.9 | 71.9 | 79.9 | 93.2 | 108.3 | 109.9 | 97.9 | 86.8 | 78.3 | 69.9 | 78.3 |
| 62.5° | 57.5 | 60.5 | 63.6 | 73.2 | 85.1 | 86.2 | 76.3 | 68.1 | 65.0 | 61.9 | 65.0 |
| 65° | 50.9 | 51.8 | 52.7 | 54.3 | 56.0 | 56.7 | 56.3 | 55.6 | 54.3 | 52.9 | 54.3 |
| 67.5° | 43.7 | 45.1 | 46.4 | 47.1 | 47.5 | 48.0 | 48.4 | 48.5 | 47.6 | 46.7 | 47.6 |
| 70° | 38.9 | 40.3 | 41.6 | 42.3 | 42.7 | 43.2 | 43.6 | 43.7 | 42.8 | 41.9 | 42.8 |
| 72.5° | 35.0 | 35.9 | 36.9 | 37.5 | 37.9 | 38.4 | 38.8 | 38.9 | 38.0 | 37.2 | 38.0 |
| 75° | 28.0 | 28.9 | 29.7 | 30.3 | 30.7 | 31.4 | 32.3 | 32.7 | 31.8 | 31.0 | 31.8 |
| 77.5° | 22.0 | 22.9 | 23.7 | 24.2 | 24.6 | 25.0 | 25.4 | 25.6 | 24.8 | 24.0 | 24.8 |
| 80° | 18.0 | 18.9 | 19.8 | 20.0 | 20.0 | 20.2 | 20.6 | 20.9 | 20.4 | 20.0 | 20.4 |
| 82.5° | 14.0 | 14.5 | 15.0 | 15.2 | 15.2 | 15.4 | 15.8 | 16.2 | 16.1 | 16.0 | 16.1 |
| 85° | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.2 | 9.7 | 9.9 | 9.4 | 9.0 | 9.4 |
| 87.5° | 5.2 | 5.6 | 5.9 | 6.0 | 5.8 | 5.8 | 5.4 | 4.8 | 4.2 | 3.6 | 4.2 |
| 90° | 14.0 | 14.0 | 14.0 | 14.0 | 13.0 | 13.0 | 11.0 | 8.0 | 5.0 | 2.0 | 5.0 |
| 92.5° | 17.2 | 17.2 | 16.4 | 16.4 | 15.4 | 13.8 | 11.8 | 11.2 | 12.2 | 6.8 | 13.0 |
| 95° | 15.0 | 15.0 | 15.0 | 15.0 | 17.0 | 23.0 | 32.0 | 34.0 | 23.0 | 20.0 | 28.0 |
| 97.5° | 35.4 | 37.8 | 41.2 | 49.6 | 58.4 | 63.0 | 59.2 | 43.0 | 41.6 | 39.8 | 53.2 |
| 100° | 73.0 | 73.0 | 78.0 | 84.0 | 96.0 | 79.0 | 60.0 | 59.0 | 56.0 | 55.0 | 70.0 |
| 102.5° | 115.4 | 117.8 | 120.4 | 121.6 | 94.4 | 85.4 | 82.4 | 76.6 | 72.0 | 71.0 | 86.8 |
| 105° | 155.0 | 148.0 | 127.0 | 115.0 | 115.0 | 117.0 | 115.0 | 108.0 | 98.0 | 95.0 | 112.0 |
| 107.5° | 151.6 | 148.6 | 151.2 | 152.4 | 157.2 | 155.8 | 151.6 | 138.8 | 124.8 | 122.2 | 137.2 |
| 110° | 178.0 | 179.0 | 180.0 | 182.0 | 186.0 | 183.0 | 178.0 | 162.0 | 144.0 | 139.0 | 154.0 |

TEST NUMBER: P709347

CATALOG NUMBER: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 209.2 | 208.6 | 211.2 | 212.4 | 212.4 | 211.0 | 202.8 | 182.8 | 163.2 | 157.4 | 170.8 |
| 115° | 253.0 | 255.0 | 256.0 | 257.0 | 256.0 | 254.0 | 239.0 | 217.0 | 193.0 | 183.0 | 195.0 |
| 117.5° | 303.4 | 298.8 | 300.2 | 301.0 | 301.6 | 294.4 | 278.0 | 252.0 | 224.2 | 209.4 | 218.6 |
| 120° | 333.0 | 330.0 | 329.0 | 329.0 | 328.0 | 320.0 | 302.0 | 276.0 | 245.0 | 227.0 | 233.0 |
| 122.5° | 359.4 | 358.8 | 358.6 | 357.8 | 357.6 | 346.4 | 326.8 | 299.2 | 267.4 | 245.4 | 247.4 |
| 125° | 402.0 | 403.0 | 400.0 | 396.0 | 395.0 | 385.0 | 364.0 | 335.0 | 301.0 | 273.0 | 270.0 |
| 127.5° | 442.4 | 444.4 | 441.2 | 439.0 | 433.6 | 419.8 | 399.8 | 370.8 | 332.8 | 301.4 | 291.6 |
| 130° | 468.0 | 470.0 | 466.0 | 463.0 | 456.0 | 443.0 | 423.0 | 394.0 | 356.0 | 319.0 | 306.0 |
| 132.5° | 493.6 | 494.0 | 490.0 | 486.2 | 478.4 | 465.4 | 445.4 | 417.2 | 376.8 | 339.8 | 322.8 |
| 135° | 529.0 | 530.0 | 525.0 | 520.0 | 508.0 | 498.0 | 479.0 | 451.0 | 410.0 | 371.0 | 348.0 |
| 137.5° | 558.2 | 558.4 | 554.0 | 546.6 | 538.6 | 525.8 | 508.2 | 481.8 | 444.0 | 402.0 | 372.8 |
| 140° | 575.0 | 576.0 | 570.0 | 565.0 | 557.0 | 545.0 | 529.0 | 501.0 | 464.0 | 422.0 | 392.0 |
| 142.5° | 589.4 | 590.4 | 586.0 | 581.0 | 573.0 | 561.0 | 546.6 | 520.2 | 484.0 | 442.8 | 410.4 |
| 145° | 609.0 | 612.0 | 608.0 | 603.0 | 596.0 | 585.0 | 570.0 | 546.0 | 513.0 | 473.0 | 437.0 |
| 147.5° | 629.8 | 630.0 | 627.0 | 624.0 | 616.0 | 604.2 | 593.4 | 569.4 | 538.0 | 502.8 | 465.2 |
| 150° | 641.0 | 642.0 | 639.0 | 636.0 | 628.0 | 617.0 | 607.0 | 583.0 | 554.0 | 522.0 | 486.0 |
| 152.5° | 650.6 | 652.4 | 650.2 | 646.4 | 639.2 | 627.4 | 618.2 | 595.8 | 569.2 | 538.8 | 504.4 |
| 155° | 664.0 | 667.0 | 665.0 | 661.0 | 653.0 | 642.0 | 633.0 | 614.0 | 589.0 | 562.0 | 531.0 |
| 157.5° | 676.8 | 679.6 | 677.4 | 672.6 | 664.4 | 654.6 | 646.0 | 628.0 | 606.8 | 583.2 | 554.8 |
| 160° | 684.0 | 686.0 | 683.0 | 679.0 | 670.0 | 661.0 | 654.0 | 636.0 | 618.0 | 596.0 | 570.0 |
| 162.5° | 688.0 | 690.8 | 687.8 | 683.0 | 674.0 | 665.8 | 659.6 | 643.2 | 626.0 | 606.4 | 583.6 |
| 165° | 693.0 | 694.0 | 692.0 | 688.0 | 678.0 | 671.0 | 666.0 | 653.0 | 637.0 | 621.0 | 603.0 |
| 167.5° | 692.6 | 696.6 | 693.6 | 689.8 | 679.0 | 674.0 | 669.4 | 657.8 | 646.0 | 632.6 | 619.2 |
| 170° | 691.0 | 695.0 | 692.0 | 689.0 | 679.0 | 674.0 | 671.0 | 661.0 | 650.0 | 639.0 | 628.0 |
| 172.5° | 687.0 | 690.2 | 688.0 | 685.0 | 675.8 | 671.6 | 670.2 | 661.8 | 652.4 | 643.8 | 634.4 |
| 175° | 676.0 | 680.0 | 679.0 | 676.0 | 668.0 | 666.0 | 667.0 | 661.0 | 655.0 | 650.0 | 643.0 |
| 177.5° | 662.2 | 666.2 | 664.6 | 663.0 | 657.4 | 656.6 | 659.8 | 656.6 | 653.4 | 651.8 | 648.6 |
| 180° | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 |

TEST NUMBER: P709347

CATALOG NUMBER: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 | 3482.3 |
| 2.5° | 3487.3 | 3477.3 | 3465.2 | 3466.3 | 3480.5 | 3490.5 | 3488.0 | 3485.5 |
| 5° | 3486.5 | 3475.0 | 3461.3 | 3465.2 | 3487.0 | 3503.1 | 3502.2 | 3501.3 |
| 7.5° | 3490.6 | 3481.1 | 3469.4 | 3471.9 | 3488.7 | 3500.4 | 3497.0 | 3493.5 |
| 10° | 3496.0 | 3483.0 | 3465.2 | 3465.5 | 3483.7 | 3497.0 | 3495.6 | 3494.3 |
| 12.5° | 3503.6 | 3487.5 | 3464.1 | 3458.8 | 3471.7 | 3480.5 | 3477.0 | 3473.5 |
| 15° | 3505.3 | 3484.0 | 3451.6 | 3435.6 | 3436.1 | 3434.7 | 3428.1 | 3421.4 |
| 17.5° | 3472.5 | 3444.7 | 3402.7 | 3375.6 | 3363.4 | 3352.2 | 3343.8 | 3335.3 |
| 20° | 3431.8 | 3399.1 | 3350.7 | 3317.4 | 3299.2 | 3283.5 | 3275.1 | 3266.6 |
| 22.5° | 3367.4 | 3330.4 | 3276.7 | 3240.6 | 3222.0 | 3206.3 | 3199.3 | 3192.3 |
| 25° | 3242.9 | 3203.4 | 3147.0 | 3109.1 | 3089.5 | 3073.9 | 3069.9 | 3065.9 |
| 27.5° | 3067.7 | 3030.1 | 2978.5 | 2943.1 | 2924.0 | 2908.0 | 2901.2 | 2894.3 |
| 30° | 2921.0 | 2889.8 | 2848.1 | 2815.9 | 2793.3 | 2773.1 | 2760.2 | 2747.3 |
| 32.5° | 2753.3 | 2728.4 | 2696.3 | 2668.9 | 2646.3 | 2625.3 | 2609.2 | 2593.1 |
| 35° | 2471.4 | 2453.0 | 2429.5 | 2407.6 | 2387.1 | 2368.6 | 2355.7 | 2342.9 |
| 37.5° | 2143.4 | 2126.5 | 2104.0 | 2084.0 | 2066.4 | 2050.0 | 2037.0 | 2024.1 |
| 40° | 1907.7 | 1892.1 | 1870.4 | 1848.4 | 1826.2 | 1807.6 | 1799.6 | 1791.6 |
| 42.5° | 1656.6 | 1648.2 | 1629.3 | 1607.7 | 1583.3 | 1563.8 | 1558.7 | 1553.5 |
| 45° | 1232.5 | 1248.3 | 1247.0 | 1232.1 | 1203.7 | 1161.7 | 1078.7 | 995.7 |
| 47.5° | 773.3 | 826.7 | 873.6 | 852.9 | 764.6 | 678.1 | 596.8 | 515.5 |
| 50° | 504.5 | 568.9 | 636.4 | 615.5 | 506.3 | 416.4 | 384.5 | 352.5 |
| 52.5° | 334.2 | 392.6 | 461.5 | 452.0 | 364.1 | 294.3 | 278.7 | 263.0 |
| 55° | 190.3 | 219.0 | 254.1 | 252.1 | 213.0 | 182.1 | 175.4 | 168.8 |
| 57.5° | 121.7 | 135.2 | 150.0 | 149.8 | 134.8 | 121.3 | 112.6 | 103.9 |
| 60° | 86.8 | 97.9 | 109.9 | 108.3 | 93.2 | 79.9 | 71.9 | 63.9 |
| 62.5° | 68.1 | 76.3 | 86.2 | 85.1 | 73.2 | 63.6 | 60.5 | 57.5 |
| 65° | 55.6 | 56.3 | 56.7 | 56.0 | 54.3 | 52.7 | 51.8 | 50.9 |
| 67.5° | 48.5 | 48.4 | 48.0 | 47.5 | 47.1 | 46.4 | 45.1 | 43.7 |
| 70° | 43.7 | 43.6 | 43.2 | 42.7 | 42.3 | 41.6 | 40.3 | 38.9 |
| 72.5° | 38.9 | 38.8 | 38.4 | 37.9 | 37.5 | 36.9 | 35.9 | 35.0 |
| 75° | 32.7 | 32.3 | 31.4 | 30.7 | 30.3 | 29.7 | 28.9 | 28.0 |
| 77.5° | 25.6 | 25.4 | 25.0 | 24.6 | 24.2 | 23.7 | 22.9 | 22.0 |
| 80° | 20.9 | 20.6 | 20.2 | 20.0 | 20.0 | 19.8 | 18.9 | 18.0 |
| 82.5° | 16.2 | 15.8 | 15.4 | 15.2 | 15.2 | 15.0 | 14.5 | 14.0 |
| 85° | 9.9 | 9.7 | 9.2 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 87.5° | 4.6 | 5.4 | 6.4 | 7.4 | 8.2 | 8.5 | 8.6 | 8.4 |
| 90° | 7.0 | 11.0 | 16.0 | 21.0 | 25.0 | 27.0 | 29.0 | 30.0 |
| 92.5° | 18.2 | 24.6 | 32.0 | 37.8 | 44.2 | 48.6 | 50.6 | 50.8 |
| 95° | 42.0 | 51.0 | 62.0 | 72.0 | 80.0 | 86.0 | 90.0 | 91.0 |
| 97.5° | 64.6 | 81.4 | 93.6 | 105.2 | 116.8 | 124.0 | 128.6 | 129.2 |
| 100° | 83.0 | 99.0 | 116.0 | 126.0 | 140.0 | 148.0 | 151.0 | 154.0 |
| 102.5° | 103.0 | 116.6 | 135.2 | 150.0 | 163.2 | 170.4 | 176.6 | 179.6 |
| 105° | 131.0 | 148.0 | 164.0 | 181.0 | 196.0 | 204.0 | 210.0 | 213.0 |
| 107.5° | 157.6 | 178.4 | 194.4 | 211.0 | 224.2 | 234.0 | 241.2 | 244.2 |
| 110° | 176.0 | 196.0 | 216.0 | 231.0 | 245.0 | 254.0 | 262.0 | 265.0 |

TEST NUMBER: P709347

CATALOG NUMBER: DL2W-WB-M-050U-125D-935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 193.6 | 214.4 | 236.0 | 252.6 | 265.8 | 277.2 | 282.8 | 288.2 |
| 115° | 218.0 | 241.0 | 263.0 | 284.0 | 298.0 | 306.0 | 311.0 | 315.0 |
| 117.5° | 239.6 | 262.8 | 285.4 | 306.4 | 320.8 | 327.4 | 330.4 | 334.2 |
| 120° | 254.0 | 278.0 | 299.0 | 320.0 | 336.0 | 345.0 | 348.0 | 351.0 |
| 122.5° | 267.6 | 290.8 | 312.6 | 332.8 | 348.8 | 358.6 | 363.2 | 365.4 |
| 125° | 286.0 | 309.0 | 331.0 | 351.0 | 365.0 | 377.0 | 383.0 | 385.0 |
| 127.5° | 301.2 | 324.2 | 347.4 | 366.6 | 381.4 | 391.4 | 397.4 | 400.2 |
| 130° | 314.0 | 333.0 | 357.0 | 377.0 | 391.0 | 401.0 | 407.0 | 409.0 |
| 132.5° | 325.2 | 341.0 | 363.4 | 384.2 | 399.0 | 409.8 | 414.2 | 417.0 |
| 135° | 345.0 | 353.0 | 372.0 | 394.0 | 410.0 | 419.0 | 424.0 | 427.0 |
| 137.5° | 364.2 | 366.4 | 378.4 | 398.6 | 414.6 | 424.6 | 429.6 | 431.6 |
| 140° | 377.0 | 376.0 | 384.0 | 401.0 | 417.0 | 427.0 | 432.0 | 434.0 |
| 142.5° | 391.4 | 388.0 | 392.0 | 404.2 | 418.6 | 428.6 | 434.4 | 435.6 |
| 145° | 415.0 | 406.0 | 403.0 | 410.0 | 421.0 | 430.0 | 435.0 | 436.0 |
| 147.5° | 441.4 | 427.6 | 419.0 | 420.2 | 426.4 | 432.8 | 436.6 | 437.4 |
| 150° | 459.0 | 442.0 | 431.0 | 429.0 | 432.0 | 436.0 | 439.0 | 439.0 |
| 152.5° | 475.0 | 458.8 | 443.8 | 440.2 | 439.2 | 441.6 | 443.8 | 443.0 |
| 155° | 503.0 | 483.0 | 466.0 | 460.0 | 455.0 | 454.0 | 453.0 | 452.0 |
| 157.5° | 531.0 | 509.2 | 490.0 | 481.0 | 475.6 | 472.4 | 470.2 | 467.6 |
| 160° | 547.0 | 526.0 | 506.0 | 497.0 | 490.0 | 486.0 | 483.0 | 482.0 |
| 162.5° | 562.2 | 543.6 | 524.4 | 512.2 | 506.0 | 500.4 | 499.0 | 495.6 |
| 165° | 584.0 | 569.0 | 548.0 | 536.0 | 531.0 | 527.0 | 524.0 | 520.0 |
| 167.5° | 605.6 | 591.6 | 574.0 | 562.4 | 556.8 | 552.8 | 549.4 | 547.2 |
| 170° | 616.0 | 606.0 | 590.0 | 580.0 | 576.0 | 572.0 | 567.0 | 564.0 |
| 172.5° | 626.4 | 618.0 | 605.2 | 596.0 | 594.4 | 589.6 | 587.8 | 584.0 |
| 175° | 639.0 | 634.0 | 624.0 | 619.0 | 619.0 | 617.0 | 617.0 | 612.0 |
| 177.5° | 647.8 | 646.2 | 639.8 | 636.6 | 639.0 | 639.0 | 638.2 | 635.8 |
| 180° | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 | 651.0 |

(END OF REPORT)