

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: P709397

Luminaire Tested: DL2W-WB-M-150U-050D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

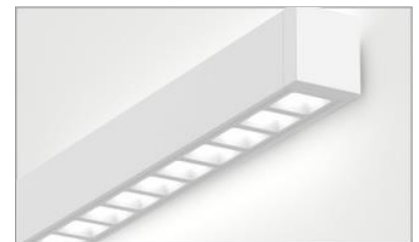
Test Information

Test Method: LM-79-2019
Report Number: P709397
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-6, G3-2104-222-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-150U-050D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7714.5 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

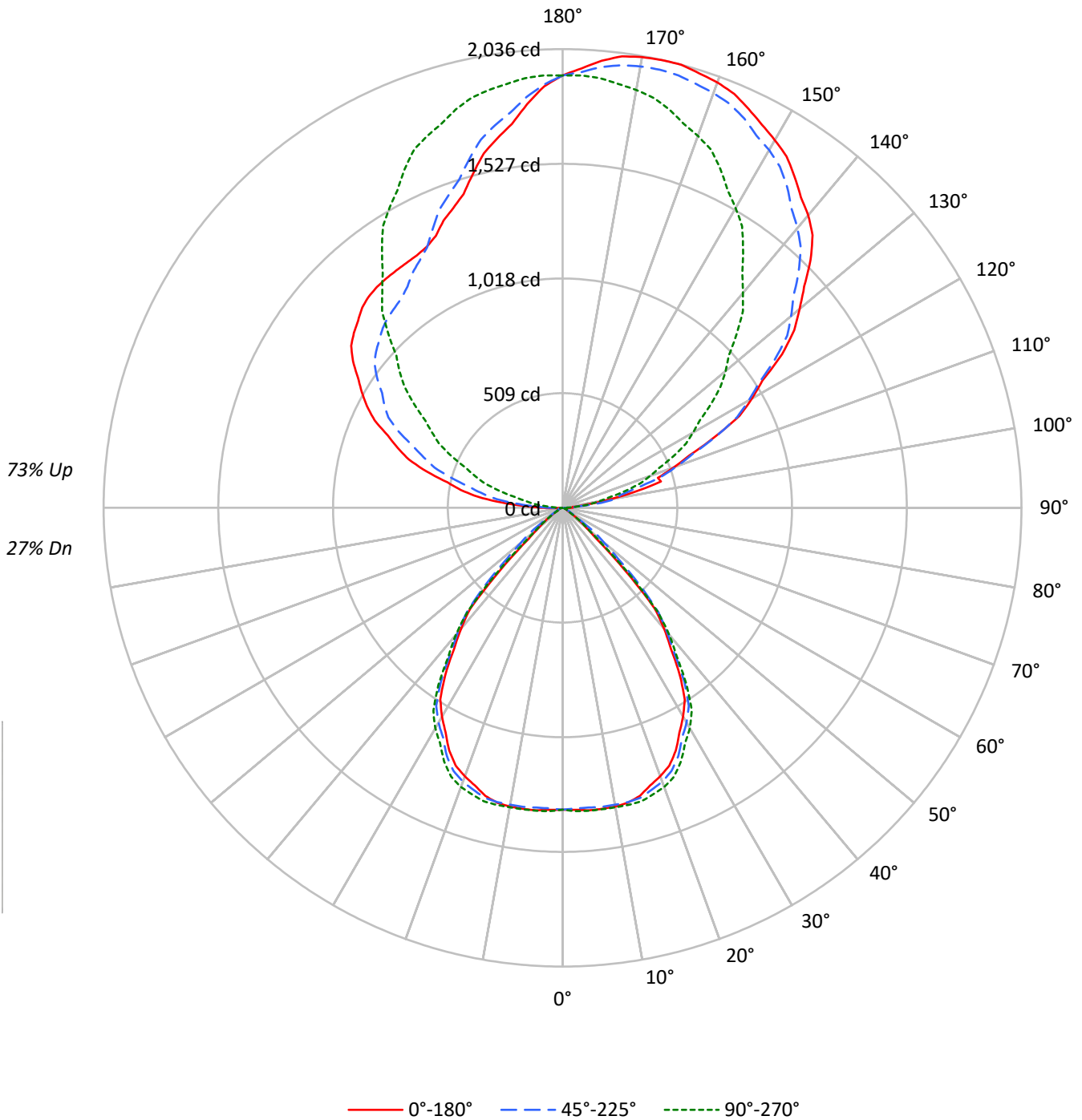
Input Watts (W): 73.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709397

CATALOG NUMBER: DL2W-WB-M-150U-050D-930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709397

CATALOG NUMBER: DL2W-WB-M-150U-050D-930-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 | 102 | 102 | 102 | 102 | 91 | 91 | 91 | 91 | 71 | 71 | 71 | 52 | 52 | 52 | 35 | 35 | 35 | 27 |
| 1 | 94 | 90 | 86 | 83 | 84 | 81 | 78 | 75 | 63 | 61 | 60 | 47 | 46 | 45 | 33 | 32 | 32 | 25 |
| 2 | 86 | 80 | 74 | 70 | 77 | 72 | 67 | 63 | 57 | 54 | 51 | 43 | 41 | 39 | 30 | 29 | 28 | 23 |
| 3 | 79 | 71 | 64 | 59 | 71 | 64 | 59 | 54 | 51 | 47 | 44 | 39 | 37 | 35 | 28 | 26 | 25 | 20 |
| 4 | 73 | 63 | 56 | 51 | 65 | 57 | 51 | 47 | 46 | 42 | 39 | 35 | 33 | 31 | 25 | 24 | 23 | 19 |
| 5 | 67 | 57 | 50 | 44 | 60 | 52 | 45 | 41 | 41 | 37 | 34 | 32 | 29 | 27 | 23 | 22 | 20 | 17 |
| 6 | 62 | 51 | 44 | 39 | 56 | 47 | 40 | 36 | 38 | 33 | 30 | 29 | 26 | 24 | 22 | 20 | 19 | 15 |
| 7 | 58 | 47 | 39 | 34 | 52 | 42 | 36 | 32 | 34 | 30 | 27 | 27 | 24 | 22 | 20 | 18 | 17 | 14 |
| 8 | 54 | 42 | 35 | 30 | 48 | 39 | 33 | 28 | 31 | 27 | 24 | 25 | 22 | 20 | 19 | 17 | 15 | 13 |
| 9 | 50 | 39 | 32 | 27 | 45 | 35 | 29 | 25 | 29 | 25 | 22 | 23 | 20 | 18 | 17 | 15 | 14 | 12 |
| 10 | 47 | 36 | 29 | 24 | 42 | 33 | 27 | 23 | 27 | 22 | 19 | 21 | 18 | 16 | 16 | 14 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 21632 | 21632 | 21632 | 21632 | 21632 |
| 5° | 21840 | 21644 | 21870 | 21644 | 21840 |
| 10° | 22076 | 21940 | 22123 | 21940 | 22076 |
| 15° | 22121 | 22272 | 22539 | 22272 | 22121 |
| 20° | 21780 | 22215 | 22656 | 22215 | 21780 |
| 25° | 21178 | 21643 | 22137 | 21643 | 21178 |
| 30° | 19939 | 20517 | 21052 | 20517 | 19939 |
| 35° | 17895 | 18557 | 18920 | 18557 | 17895 |
| 40° | 14779 | 15220 | 15548 | 15220 | 14779 |
| 45° | 8873 | 10988 | 9839 | 10988 | 8873 |
| 50° | 3504 | 6059 | 3818 | 6059 | 3504 |
| 55° | 1869 | 2749 | 1841 | 2749 | 1869 |
| 60° | 807 | 1371 | 869 | 1371 | 807 |
| 65° | 734 | 833 | 772 | 833 | 734 |
| 70° | 727 | 779 | 774 | 779 | 727 |
| 75° | 661 | 774 | 717 | 774 | 661 |
| 80° | 623 | 716 | 716 | 716 | 623 |
| 85° | 537 | 704 | 704 | 704 | 537 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 11061 cd/sqm

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.3 | 1.7 |
| 10°-20° | 376.4 | 4.9 |
| 20°-30° | 557.4 | 7.2 |
| 30°-40° | 577.4 | 7.5 |
| 40°-50° | 347.0 | 4.5 |
| 50°-60° | 82.9 | 1.1 |
| 60°-70° | 22.6 | 0.3 |
| 70°-80° | 12.6 | 0.2 |
| 80°-90° | 11.9 | 0.2 |
| 90°-100° | 151.8 | 2.0 |
| 100°-110° | 443.3 | 5.7 |
| 110°-120° | 725.6 | 9.4 |
| 120°-130° | 921.7 | 11.9 |
| 130°-140° | 986.6 | 12.8 |
| 140°-150° | 921.4 | 11.9 |
| 150°-160° | 758.3 | 9.8 |
| 160°-170° | 508.6 | 6.6 |
| 170°-180° | 180.6 | 2.3 |
| 0°-30° | 1062.1 | 13.8 |
| 0°-40° | 1639.5 | 21.3 |
| 0°-60° | 2069.4 | 26.8 |
| 0°-90° | 2116.6 | 27.4 |
| 90°-120° | 1320.7 | 17.1 |
| 90°-150° | 4150.5 | 53.8 |
| 90°-180° | 5598.0 | 72.6 |
| 0°-180° | 7714.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 1340 | 1340 | 1340 | 1340 | 1340 | |
| 5° | 1348 | 1335 | 1349 | 1335 | 1348 | 129 |
| 15° | 1323 | 1332 | 1348 | 1332 | 1323 | 372 |
| 25° | 1189 | 1215 | 1243 | 1215 | 1189 | 543 |
| 35° | 908 | 942 | 960 | 942 | 908 | 559 |
| 45° | 389 | 481 | 431 | 481 | 389 | 306 |
| 55° | 66 | 98 | 65 | 98 | 66 | 64 |
| 65° | 19 | 22 | 20 | 22 | 19 | 20 |
| 75° | 11 | 12 | 12 | 12 | 11 | 12 |
| 85° | 3 | 4 | 4 | 4 | 3 | 4 |
| 90° | 40 | 37 | 7 | 51 | 85 | 19 |
| 95° | 44 | 60 | 62 | 196 | 272 | 75 |
| 105° | 452 | 338 | 286 | 505 | 624 | 419 |
| 115° | 746 | 752 | 542 | 803 | 920 | 739 |
| 125° | 1189 | 1151 | 804 | 1004 | 1135 | 1052 |
| 135° | 1556 | 1481 | 1093 | 1128 | 1257 | 1194 |
| 145° | 1795 | 1738 | 1396 | 1199 | 1286 | 1124 |
| 155° | 1953 | 1907 | 1658 | 1364 | 1331 | 901 |
| 165° | 2036 | 1987 | 1830 | 1601 | 1535 | 575 |
| 175° | 1992 | 1964 | 1914 | 1830 | 1799 | 191 |
| 180° | 1919 | 1919 | 1919 | 1919 | 1919 | |

TEST NUMBER: P709397

CATALOG NUMBER: DL2W-WB-M-150U-050D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 |
| 2.5° | 1341.3 | 1342.7 | 1344.1 | 1340.3 | 1334.8 | 1334.5 | 1339.3 | 1343.4 | 1345.4 | 1347.5 | 1345.4 |
| 5° | 1347.5 | 1348.3 | 1349.2 | 1343.6 | 1335.9 | 1334.9 | 1340.4 | 1345.1 | 1347.3 | 1349.4 | 1347.3 |
| 7.5° | 1347.3 | 1348.6 | 1349.9 | 1345.4 | 1339.0 | 1338.1 | 1342.8 | 1346.7 | 1348.0 | 1349.4 | 1348.0 |
| 10° | 1346.5 | 1347.8 | 1349.1 | 1344.6 | 1338.2 | 1338.2 | 1344.6 | 1349.4 | 1349.4 | 1349.4 | 1349.4 |
| 12.5° | 1340.4 | 1342.3 | 1344.3 | 1341.3 | 1336.6 | 1338.6 | 1347.4 | 1353.6 | 1351.9 | 1350.2 | 1351.9 |
| 15° | 1323.4 | 1326.4 | 1329.4 | 1329.8 | 1329.4 | 1335.4 | 1347.8 | 1356.1 | 1352.3 | 1348.4 | 1352.3 |
| 17.5° | 1292.3 | 1296.4 | 1300.5 | 1304.0 | 1307.3 | 1317.6 | 1334.7 | 1346.0 | 1340.0 | 1334.0 | 1340.0 |
| 20° | 1267.6 | 1271.1 | 1274.5 | 1280.2 | 1286.6 | 1299.2 | 1318.0 | 1330.6 | 1324.6 | 1318.6 | 1324.6 |
| 22.5° | 1238.4 | 1242.2 | 1245.9 | 1251.4 | 1257.5 | 1270.6 | 1290.8 | 1304.3 | 1298.0 | 1291.7 | 1298.0 |
| 25° | 1188.8 | 1192.2 | 1195.6 | 1201.6 | 1208.4 | 1221.3 | 1240.1 | 1252.9 | 1247.8 | 1242.6 | 1247.8 |
| 27.5° | 1123.4 | 1127.1 | 1130.9 | 1136.7 | 1143.1 | 1154.4 | 1170.6 | 1182.2 | 1179.9 | 1177.6 | 1179.9 |
| 30° | 1069.5 | 1074.6 | 1079.8 | 1087.2 | 1095.3 | 1105.7 | 1118.6 | 1128.3 | 1128.7 | 1129.2 | 1128.7 |
| 32.5° | 1008.7 | 1015.6 | 1022.4 | 1030.0 | 1037.7 | 1047.5 | 1059.3 | 1068.0 | 1067.4 | 1066.8 | 1067.4 |
| 35° | 907.9 | 915.2 | 922.5 | 930.1 | 937.8 | 945.2 | 952.5 | 958.2 | 959.0 | 959.9 | 959.0 |
| 37.5° | 791.2 | 794.0 | 796.8 | 803.7 | 812.0 | 820.1 | 827.9 | 833.5 | 832.9 | 832.3 | 832.9 |
| 40° | 701.2 | 701.6 | 702.0 | 708.8 | 717.8 | 726.4 | 734.5 | 740.3 | 739.0 | 737.7 | 739.0 |
| 42.5° | 605.0 | 606.8 | 608.6 | 616.0 | 625.3 | 633.0 | 639.1 | 641.3 | 631.8 | 622.3 | 631.8 |
| 45° | 388.6 | 420.2 | 451.8 | 467.8 | 478.4 | 484.0 | 484.4 | 478.8 | 454.8 | 430.9 | 454.8 |
| 47.5° | 203.3 | 234.5 | 265.7 | 297.3 | 329.0 | 336.5 | 319.6 | 299.5 | 269.6 | 239.7 | 269.6 |
| 50° | 139.5 | 150.1 | 160.8 | 195.2 | 237.6 | 244.8 | 217.0 | 191.3 | 171.6 | 152.0 | 171.6 |
| 52.5° | 101.8 | 108.3 | 114.9 | 141.6 | 175.1 | 178.1 | 150.6 | 127.6 | 117.9 | 108.1 | 117.9 |
| 55° | 66.4 | 68.1 | 69.8 | 81.8 | 97.1 | 98.2 | 85.0 | 74.0 | 69.7 | 65.4 | 69.7 |
| 57.5° | 39.6 | 43.2 | 46.8 | 52.3 | 58.3 | 58.5 | 52.8 | 47.5 | 43.8 | 40.0 | 43.8 |
| 60° | 25.0 | 27.6 | 30.1 | 35.6 | 42.0 | 42.9 | 38.2 | 33.8 | 30.4 | 26.9 | 30.4 |
| 62.5° | 22.7 | 23.6 | 24.4 | 28.1 | 32.9 | 33.2 | 29.2 | 25.9 | 24.9 | 23.9 | 24.9 |
| 65° | 19.2 | 19.7 | 20.1 | 20.8 | 21.7 | 21.9 | 21.5 | 21.1 | 20.6 | 20.2 | 20.6 |
| 67.5° | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.7 | 18.8 | 18.7 | 18.3 | 17.9 | 18.3 |
| 70° | 15.4 | 15.8 | 16.2 | 16.4 | 16.4 | 16.6 | 17.0 | 17.2 | 16.8 | 16.4 | 16.8 |
| 72.5° | 13.8 | 13.9 | 14.0 | 14.3 | 14.6 | 14.9 | 14.9 | 15.0 | 14.9 | 14.8 | 14.9 |
| 75° | 10.6 | 11.0 | 11.4 | 11.9 | 12.3 | 12.5 | 12.5 | 12.4 | 12.0 | 11.5 | 12.0 |
| 77.5° | 8.3 | 8.7 | 9.1 | 9.2 | 9.2 | 9.4 | 9.7 | 9.9 | 9.6 | 9.2 | 9.6 |
| 80° | 6.7 | 7.2 | 7.6 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 |
| 82.5° | 5.2 | 5.6 | 6.0 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 |
| 85° | 2.9 | 3.3 | 3.7 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 87.5° | 8.8 | 9.0 | 8.8 | 8.7 | 8.9 | 8.8 | 7.7 | 6.2 | 4.4 | 2.9 | 4.4 |
| 90° | 40.4 | 41.4 | 40.4 | 38.5 | 37.5 | 36.5 | 30.8 | 23.1 | 14.4 | 6.7 | 14.4 |
| 92.5° | 49.6 | 49.1 | 48.9 | 46.9 | 45.2 | 40.4 | 33.1 | 33.1 | 33.7 | 21.4 | 36.0 |
| 95° | 44.2 | 44.2 | 43.3 | 43.3 | 51.0 | 68.3 | 94.3 | 93.3 | 67.3 | 61.6 | 86.6 |
| 97.5° | 102.7 | 102.9 | 116.2 | 144.1 | 167.5 | 179.9 | 167.7 | 126.0 | 123.7 | 118.9 | 155.2 |
| 100° | 205.8 | 202.9 | 223.1 | 247.2 | 272.2 | 222.2 | 177.0 | 176.0 | 168.3 | 159.7 | 206.8 |
| 102.5° | 327.4 | 339.1 | 347.0 | 347.2 | 276.0 | 246.8 | 237.8 | 229.9 | 213.7 | 208.1 | 254.5 |
| 105° | 452.0 | 432.8 | 373.2 | 338.6 | 333.7 | 341.4 | 342.4 | 313.5 | 288.5 | 285.7 | 331.8 |
| 107.5° | 443.6 | 436.8 | 441.3 | 449.9 | 457.6 | 458.4 | 446.5 | 404.7 | 366.6 | 361.1 | 401.5 |
| 110° | 525.1 | 522.3 | 529.0 | 533.8 | 541.5 | 537.6 | 520.3 | 473.2 | 425.1 | 412.6 | 453.0 |

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CATALOG NUMBER: DL2W-WB-M-150U-050D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 609.8 | 615.4 | 615.2 | 623.8 | 626.1 | 621.5 | 593.4 | 540.1 | 484.4 | 464.9 | 503.8 |
| 115° | 746.4 | 744.4 | 751.2 | 753.1 | 757.9 | 745.4 | 703.1 | 641.5 | 571.3 | 542.5 | 577.1 |
| 117.5° | 885.0 | 879.3 | 879.3 | 890.0 | 886.4 | 860.2 | 817.1 | 744.0 | 665.2 | 617.5 | 643.8 |
| 120° | 970.5 | 968.5 | 968.5 | 972.4 | 969.5 | 938.7 | 892.5 | 811.8 | 725.2 | 667.5 | 687.7 |
| 122.5° | 1051.2 | 1058.6 | 1052.4 | 1054.7 | 1048.7 | 1018.7 | 961.0 | 879.5 | 785.2 | 722.1 | 730.0 |
| 125° | 1188.8 | 1181.1 | 1176.3 | 1174.4 | 1167.6 | 1134.0 | 1071.4 | 983.0 | 881.0 | 804.1 | 793.5 |
| 127.5° | 1295.5 | 1298.8 | 1292.8 | 1285.9 | 1272.8 | 1239.4 | 1175.5 | 1086.3 | 979.9 | 882.9 | 859.7 |
| 130° | 1372.5 | 1375.4 | 1370.6 | 1362.9 | 1343.6 | 1303.2 | 1245.5 | 1157.0 | 1048.4 | 944.5 | 905.1 |
| 132.5° | 1454.0 | 1451.5 | 1445.2 | 1428.3 | 1408.3 | 1370.2 | 1308.6 | 1225.5 | 1109.9 | 999.9 | 951.2 |
| 135° | 1556.2 | 1557.1 | 1542.7 | 1525.4 | 1502.3 | 1460.0 | 1409.0 | 1327.3 | 1211.9 | 1092.6 | 1022.4 |
| 137.5° | 1641.8 | 1640.2 | 1626.0 | 1611.6 | 1582.9 | 1546.2 | 1497.1 | 1419.6 | 1306.9 | 1184.5 | 1096.6 |
| 140° | 1695.6 | 1695.6 | 1682.2 | 1663.9 | 1639.9 | 1602.4 | 1553.3 | 1477.3 | 1371.5 | 1244.6 | 1151.3 |
| 142.5° | 1737.2 | 1738.0 | 1724.5 | 1710.8 | 1686.8 | 1653.9 | 1605.6 | 1532.7 | 1426.9 | 1310.0 | 1205.1 |
| 145° | 1794.7 | 1798.6 | 1788.0 | 1776.4 | 1753.4 | 1721.6 | 1683.1 | 1608.1 | 1513.9 | 1396.5 | 1290.7 |
| 147.5° | 1849.5 | 1853.4 | 1847.0 | 1835.1 | 1812.0 | 1778.9 | 1743.9 | 1675.8 | 1586.8 | 1482.1 | 1374.4 |
| 150° | 1884.2 | 1888.0 | 1879.4 | 1869.7 | 1850.5 | 1815.9 | 1783.2 | 1715.8 | 1632.2 | 1536.0 | 1432.1 |
| 152.5° | 1916.5 | 1920.3 | 1913.2 | 1902.1 | 1879.7 | 1845.9 | 1817.8 | 1752.8 | 1675.3 | 1587.5 | 1486.7 |
| 155° | 1953.4 | 1962.1 | 1955.3 | 1944.8 | 1922.6 | 1890.9 | 1864.9 | 1805.3 | 1735.1 | 1658.1 | 1564.8 |
| 157.5° | 1989.2 | 1998.6 | 1989.2 | 1979.2 | 1953.2 | 1926.5 | 1902.2 | 1847.4 | 1786.8 | 1720.8 | 1636.4 |
| 160° | 2009.2 | 2017.9 | 2009.2 | 1997.7 | 1971.7 | 1945.7 | 1924.6 | 1873.6 | 1816.8 | 1756.2 | 1684.1 |
| 162.5° | 2021.5 | 2030.9 | 2023.8 | 2010.7 | 1984.0 | 1960.3 | 1940.7 | 1894.4 | 1842.2 | 1787.0 | 1721.0 |
| 165° | 2036.1 | 2046.7 | 2038.0 | 2022.7 | 1996.7 | 1977.5 | 1961.1 | 1919.7 | 1875.5 | 1830.3 | 1777.4 |
| 167.5° | 2035.9 | 2048.1 | 2039.2 | 2029.0 | 1999.6 | 1984.8 | 1970.7 | 1937.1 | 1899.9 | 1864.0 | 1821.6 |
| 170° | 2031.3 | 2041.9 | 2036.1 | 2027.5 | 1995.7 | 1983.2 | 1974.6 | 1944.8 | 1913.0 | 1883.2 | 1848.6 |
| 172.5° | 2021.3 | 2031.1 | 2024.6 | 2015.9 | 1986.5 | 1976.3 | 1972.3 | 1947.8 | 1920.7 | 1897.8 | 1868.6 |
| 175° | 1991.9 | 2005.3 | 2000.5 | 1992.8 | 1966.9 | 1961.1 | 1962.1 | 1945.7 | 1928.4 | 1914.0 | 1896.7 |
| 177.5° | 1952.6 | 1961.1 | 1960.3 | 1953.4 | 1935.7 | 1937.3 | 1943.4 | 1933.4 | 1926.5 | 1921.1 | 1912.6 |
| 180° | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 |

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CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 | 1339.8 |
| 2.5° | 1343.4 | 1339.3 | 1334.5 | 1334.8 | 1340.3 | 1344.1 | 1342.7 | 1341.3 |
| 5° | 1345.1 | 1340.4 | 1334.9 | 1335.9 | 1343.6 | 1349.2 | 1348.3 | 1347.5 |
| 7.5° | 1346.7 | 1342.8 | 1338.1 | 1339.0 | 1345.4 | 1349.9 | 1348.6 | 1347.3 |
| 10° | 1349.4 | 1344.6 | 1338.2 | 1338.2 | 1344.6 | 1349.1 | 1347.8 | 1346.5 |
| 12.5° | 1353.6 | 1347.4 | 1338.6 | 1336.6 | 1341.3 | 1344.3 | 1342.3 | 1340.4 |
| 15° | 1356.1 | 1347.8 | 1335.4 | 1329.4 | 1329.8 | 1329.4 | 1326.4 | 1323.4 |
| 17.5° | 1346.0 | 1334.7 | 1317.6 | 1307.3 | 1304.0 | 1300.5 | 1296.4 | 1292.3 |
| 20° | 1330.6 | 1318.0 | 1299.2 | 1286.6 | 1280.2 | 1274.5 | 1271.1 | 1267.6 |
| 22.5° | 1304.3 | 1290.8 | 1270.6 | 1257.5 | 1251.4 | 1245.9 | 1242.2 | 1238.4 |
| 25° | 1252.9 | 1240.1 | 1221.3 | 1208.4 | 1201.6 | 1195.6 | 1192.2 | 1188.8 |
| 27.5° | 1182.2 | 1170.6 | 1154.4 | 1143.1 | 1136.7 | 1130.9 | 1127.1 | 1123.4 |
| 30° | 1128.3 | 1118.6 | 1105.7 | 1095.3 | 1087.2 | 1079.8 | 1074.6 | 1069.5 |
| 32.5° | 1068.0 | 1059.3 | 1047.5 | 1037.7 | 1030.0 | 1022.4 | 1015.6 | 1008.7 |
| 35° | 958.2 | 952.5 | 945.2 | 937.8 | 930.1 | 922.5 | 915.2 | 907.9 |
| 37.5° | 833.5 | 827.9 | 820.1 | 812.0 | 803.7 | 796.8 | 794.0 | 791.2 |
| 40° | 740.3 | 734.5 | 726.4 | 717.8 | 708.8 | 702.0 | 701.6 | 701.2 |
| 42.5° | 641.3 | 639.1 | 633.0 | 625.3 | 616.0 | 608.6 | 606.8 | 605.0 |
| 45° | 478.8 | 484.4 | 484.0 | 478.4 | 467.8 | 451.8 | 420.2 | 388.6 |
| 47.5° | 299.5 | 319.6 | 336.5 | 329.0 | 297.3 | 265.7 | 234.5 | 203.3 |
| 50° | 191.3 | 217.0 | 244.8 | 237.6 | 195.2 | 160.8 | 150.1 | 139.5 |
| 52.5° | 127.6 | 150.6 | 178.1 | 175.1 | 141.6 | 114.9 | 108.3 | 101.8 |
| 55° | 74.0 | 85.0 | 98.2 | 97.1 | 81.8 | 69.8 | 68.1 | 66.4 |
| 57.5° | 47.5 | 52.8 | 58.5 | 58.3 | 52.3 | 46.8 | 43.2 | 39.6 |
| 60° | 33.8 | 38.2 | 42.9 | 42.0 | 35.6 | 30.1 | 27.6 | 25.0 |
| 62.5° | 25.9 | 29.2 | 33.2 | 32.9 | 28.1 | 24.4 | 23.6 | 22.7 |
| 65° | 21.1 | 21.5 | 21.9 | 21.7 | 20.8 | 20.1 | 19.7 | 19.2 |
| 67.5° | 18.7 | 18.8 | 18.7 | 18.5 | 18.1 | 17.8 | 17.4 | 16.9 |
| 70° | 17.2 | 17.0 | 16.6 | 16.4 | 16.4 | 16.2 | 15.8 | 15.4 |
| 72.5° | 15.0 | 14.9 | 14.9 | 14.6 | 14.3 | 14.0 | 13.9 | 13.8 |
| 75° | 12.4 | 12.5 | 12.5 | 12.3 | 11.9 | 11.4 | 11.0 | 10.6 |
| 77.5° | 9.9 | 9.7 | 9.4 | 9.2 | 9.2 | 9.1 | 8.7 | 8.3 |
| 80° | 7.7 | 7.7 | 7.7 | 7.7 | 7.7 | 7.6 | 7.2 | 6.7 |
| 82.5° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 6.0 | 5.6 | 5.2 |
| 85° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.3 | 2.9 |
| 87.5° | 6.2 | 8.1 | 10.8 | 12.7 | 15.1 | 17.1 | 18.1 | 17.7 |
| 90° | 23.1 | 32.7 | 46.2 | 56.7 | 70.2 | 81.8 | 86.6 | 84.6 |
| 92.5° | 52.3 | 71.9 | 92.3 | 111.4 | 131.8 | 143.3 | 148.1 | 149.3 |
| 95° | 121.2 | 149.1 | 181.8 | 210.6 | 235.6 | 253.9 | 258.7 | 272.2 |
| 97.5° | 190.2 | 239.1 | 278.0 | 311.2 | 342.6 | 363.0 | 374.7 | 379.3 |
| 100° | 243.3 | 291.4 | 339.5 | 375.1 | 412.6 | 429.9 | 446.3 | 457.8 |
| 102.5° | 300.3 | 343.0 | 396.5 | 441.3 | 478.0 | 502.3 | 512.4 | 522.4 |
| 105° | 385.7 | 434.7 | 480.9 | 530.0 | 568.4 | 599.2 | 620.4 | 624.2 |
| 107.5° | 465.5 | 523.4 | 570.9 | 620.4 | 658.3 | 686.5 | 707.7 | 715.0 |
| 110° | 519.4 | 578.0 | 634.8 | 674.2 | 717.5 | 747.3 | 764.6 | 778.1 |

TEST NUMBER: P709397

CATALOG NUMBER: DL2W-WB-M-150U-050D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 568.6 | 631.1 | 693.3 | 743.5 | 782.1 | 811.9 | 831.6 | 838.9 |
| 115° | 643.4 | 706.0 | 771.4 | 833.9 | 875.2 | 896.4 | 910.8 | 919.5 |
| 117.5° | 709.8 | 777.9 | 839.5 | 902.9 | 945.6 | 967.8 | 972.0 | 978.9 |
| 120° | 748.3 | 819.5 | 884.9 | 940.6 | 988.7 | 1014.7 | 1024.3 | 1028.2 |
| 122.5° | 788.3 | 856.4 | 920.2 | 977.6 | 1024.1 | 1055.5 | 1071.2 | 1075.9 |
| 125° | 843.5 | 910.8 | 974.3 | 1033.9 | 1077.2 | 1109.0 | 1126.3 | 1134.9 |
| 127.5° | 891.8 | 955.1 | 1021.8 | 1080.7 | 1123.2 | 1154.0 | 1172.6 | 1181.9 |
| 130° | 927.2 | 982.0 | 1050.3 | 1109.9 | 1153.2 | 1184.0 | 1200.3 | 1208.0 |
| 132.5° | 961.0 | 1005.1 | 1072.6 | 1132.2 | 1177.8 | 1207.8 | 1224.2 | 1230.3 |
| 135° | 1014.7 | 1040.7 | 1096.4 | 1159.9 | 1206.1 | 1234.9 | 1251.3 | 1257.1 |
| 137.5° | 1072.8 | 1078.8 | 1116.8 | 1176.3 | 1223.6 | 1253.4 | 1267.6 | 1272.5 |
| 140° | 1112.8 | 1108.0 | 1133.0 | 1184.0 | 1232.1 | 1261.9 | 1275.3 | 1280.2 |
| 142.5° | 1156.7 | 1142.6 | 1153.8 | 1192.4 | 1235.1 | 1265.0 | 1279.2 | 1284.0 |
| 145° | 1223.4 | 1197.4 | 1188.8 | 1209.9 | 1241.7 | 1266.7 | 1282.1 | 1285.9 |
| 147.5° | 1299.6 | 1261.7 | 1234.2 | 1240.3 | 1256.1 | 1274.0 | 1286.7 | 1289.0 |
| 150° | 1350.4 | 1303.2 | 1269.6 | 1265.7 | 1271.5 | 1284.0 | 1293.6 | 1293.6 |
| 152.5° | 1401.1 | 1350.9 | 1308.0 | 1296.5 | 1294.6 | 1299.4 | 1305.9 | 1305.2 |
| 155° | 1482.1 | 1423.5 | 1374.4 | 1353.2 | 1340.7 | 1336.9 | 1335.0 | 1331.1 |
| 157.5° | 1560.2 | 1499.4 | 1444.4 | 1415.6 | 1399.8 | 1390.2 | 1385.6 | 1379.6 |
| 160° | 1614.9 | 1549.5 | 1493.7 | 1461.0 | 1447.5 | 1430.2 | 1426.3 | 1415.8 |
| 162.5° | 1657.9 | 1602.5 | 1542.9 | 1510.2 | 1492.1 | 1477.9 | 1472.5 | 1460.4 |
| 165° | 1724.5 | 1676.4 | 1616.8 | 1585.0 | 1562.9 | 1550.4 | 1539.8 | 1535.0 |
| 167.5° | 1783.6 | 1742.4 | 1690.6 | 1658.1 | 1646.8 | 1627.9 | 1619.1 | 1612.0 |
| 170° | 1815.9 | 1783.2 | 1739.9 | 1708.2 | 1697.6 | 1684.1 | 1674.5 | 1665.8 |
| 172.5° | 1843.6 | 1820.9 | 1780.7 | 1758.9 | 1749.1 | 1737.2 | 1729.9 | 1718.2 |
| 175° | 1880.3 | 1865.9 | 1839.9 | 1820.7 | 1825.5 | 1813.9 | 1812.0 | 1798.6 |
| 177.5° | 1906.5 | 1901.9 | 1884.2 | 1876.5 | 1885.7 | 1881.9 | 1881.1 | 1872.6 |
| 180° | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 | 1918.8 |

(END OF REPORT)