

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P252504

Luminaire Tested: **LD6B40D010 EU6B30509730 6LBLWW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-6)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B40D010 EU6B30509730 6LBLWW1H
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2648.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.02 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

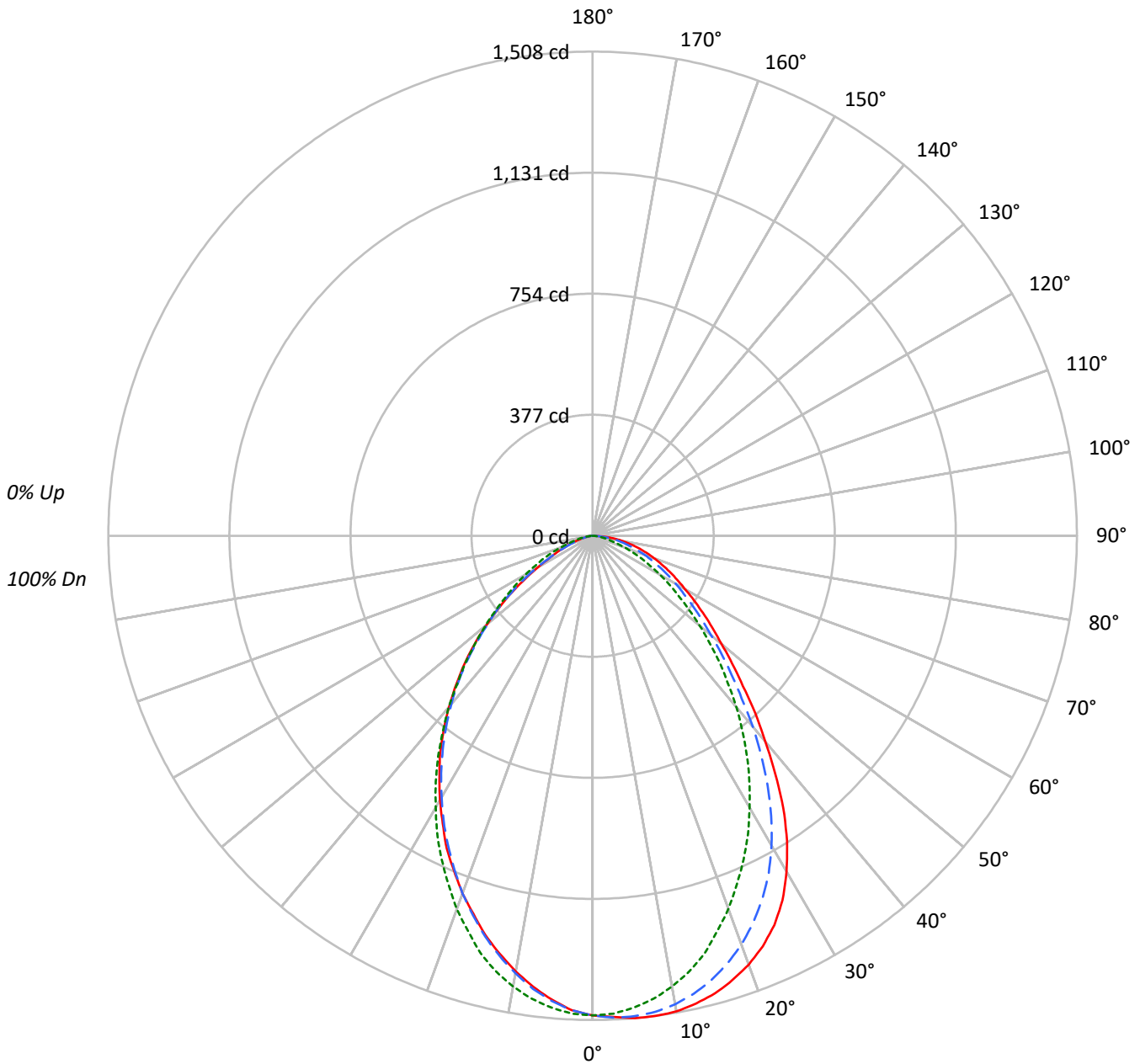
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252504

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Luminous Intensity Polar Plot





TEST NUMBER: P252504

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 96 | 97 | 95 | 93 | 93 | 91 | 90 | 88 | 88 | 88 | 88 |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | 77 | 77 | 77 |
| 3 | 95 | 86 | 79 | 73 | 93 | 84 | 78 | 73 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | 67 | 67 | 67 |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | 59 | 59 | 59 |
| 5 | 82 | 70 | 62 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | 53 | 53 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | 47 | 47 | 47 |
| 7 | 71 | 59 | 51 | 46 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | 43 | 43 | 43 |
| 8 | 67 | 54 | 47 | 41 | 65 | 54 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | 39 | 39 | 39 |
| 9 | 63 | 50 | 43 | 38 | 61 | 50 | 43 | 38 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 35 | 35 | 35 | 35 |
| 10 | 59 | 47 | 39 | 35 | 58 | 46 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 44 | 38 | 34 | 33 | 33 | 33 | 33 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 97463 | 97463 | 97463 |
| 5° | 98785 | 96611 | 94980 |
| 10° | 99649 | 94429 | 91269 |
| 15° | 99638 | 90952 | 87028 |
| 20° | 98671 | 85854 | 82251 |
| 25° | 96338 | 80055 | 77370 |
| 30° | 90965 | 73616 | 71589 |
| 35° | 82456 | 66758 | 65929 |
| 40° | 71207 | 59369 | 59199 |
| 45° | 61070 | 51686 | 52065 |
| 50° | 53072 | 44222 | 43593 |
| 55° | 47670 | 37285 | 34931 |
| 60° | 43320 | 31407 | 25718 |
| 65° | 40677 | 25950 | 18895 |
| 70° | 38780 | 20181 | 13849 |
| 75° | 37130 | 14645 | 9402 |
| 80° | 35091 | 10144 | 6237 |
| 85° | 31065 | 6213 | 3069 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 139.7 | 5.3 |
| 10°-20° | 382.7 | 14.5 |
| 20°-30° | 531.3 | 20.1 |
| 30°-40° | 550.3 | 20.8 |
| 40°-50° | 452.2 | 17.1 |
| 50°-60° | 310.8 | 11.7 |
| 60°-70° | 178.7 | 6.7 |
| 70°-80° | 82.1 | 3.1 |
| 80°-90° | 20.0 | 0.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 1053.8 | 39.8 |
| 0°-40° | 1604.1 | 60.6 |
| 0°-60° | 2367.2 | 89.4 |
| 0°-90° | 2648.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2648.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1494 | 1494 | 1494 | 1494 | 1494 | |
| 5° | 1508 | 1502 | 1475 | 1454 | 1450 | 144 |
| 15° | 1475 | 1432 | 1347 | 1293 | 1288 | 415 |
| 25° | 1338 | 1249 | 1112 | 1064 | 1075 | 612 |
| 35° | 1035 | 950 | 838 | 813 | 828 | 642 |
| 45° | 662 | 612 | 560 | 554 | 564 | 515 |
| 55° | 419 | 380 | 328 | 309 | 307 | 377 |
| 65° | 264 | 230 | 168 | 118 | 122 | 262 |
| 75° | 147 | 116 | 58 | 37 | 37 | 156 |
| 85° | 42 | 29 | 8 | 4 | 4 | 47 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252504

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 |
| 2.5° | 1500.1 | 1512.5 | 1504.2 | 1502.2 | 1506.3 | 1506.3 | 1506.3 | 1500.1 | 1504.2 | 1498.0 | 1502.2 |
| 5° | 1508.4 | 1518.8 | 1510.5 | 1506.3 | 1510.5 | 1512.5 | 1506.3 | 1502.2 | 1508.4 | 1500.1 | 1502.2 |
| 7.5° | 1508.4 | 1518.8 | 1510.5 | 1508.4 | 1510.5 | 1510.5 | 1508.4 | 1500.1 | 1504.2 | 1495.9 | 1495.9 |
| 10° | 1504.2 | 1512.5 | 1504.2 | 1500.1 | 1502.2 | 1500.1 | 1500.1 | 1489.7 | 1491.8 | 1481.4 | 1481.4 |
| 12.5° | 1491.8 | 1502.2 | 1491.8 | 1487.6 | 1487.6 | 1487.6 | 1481.4 | 1473.1 | 1475.2 | 1462.7 | 1460.7 |
| 15° | 1475.2 | 1483.5 | 1473.1 | 1469.0 | 1469.0 | 1466.9 | 1462.7 | 1450.3 | 1450.3 | 1437.8 | 1431.6 |
| 17.5° | 1450.3 | 1458.6 | 1450.3 | 1444.1 | 1442.0 | 1437.8 | 1433.7 | 1421.2 | 1417.1 | 1402.6 | 1396.3 |
| 20° | 1421.2 | 1427.5 | 1419.2 | 1412.9 | 1408.8 | 1404.6 | 1396.3 | 1383.9 | 1379.7 | 1365.2 | 1354.9 |
| 22.5° | 1383.9 | 1392.2 | 1379.7 | 1373.5 | 1369.4 | 1363.2 | 1354.9 | 1342.4 | 1336.2 | 1317.5 | 1305.1 |
| 25° | 1338.3 | 1342.4 | 1332.0 | 1325.8 | 1317.5 | 1313.4 | 1307.1 | 1290.5 | 1284.3 | 1263.6 | 1249.0 |
| 27.5° | 1280.2 | 1284.3 | 1271.9 | 1267.7 | 1257.3 | 1253.2 | 1244.9 | 1230.4 | 1222.1 | 1201.3 | 1186.8 |
| 30° | 1207.5 | 1211.7 | 1203.4 | 1197.2 | 1188.9 | 1180.6 | 1174.3 | 1159.8 | 1147.4 | 1126.6 | 1114.2 |
| 32.5° | 1126.6 | 1132.8 | 1124.5 | 1116.2 | 1101.7 | 1103.8 | 1093.4 | 1078.9 | 1068.5 | 1049.9 | 1035.3 |
| 35° | 1035.3 | 1039.5 | 1029.1 | 1027.0 | 1018.7 | 1010.4 | 1000.1 | 989.7 | 983.5 | 962.7 | 950.3 |
| 37.5° | 933.7 | 944.0 | 933.7 | 925.4 | 921.2 | 915.0 | 908.8 | 894.2 | 890.1 | 877.6 | 861.0 |
| 40° | 836.1 | 842.4 | 836.1 | 827.8 | 821.6 | 821.6 | 813.3 | 805.0 | 794.7 | 782.2 | 776.0 |
| 42.5° | 749.0 | 744.9 | 742.8 | 738.6 | 730.3 | 728.3 | 726.2 | 715.8 | 709.6 | 697.1 | 686.8 |
| 45° | 661.9 | 663.9 | 659.8 | 657.7 | 651.5 | 647.3 | 643.2 | 634.9 | 632.8 | 620.4 | 612.1 |
| 47.5° | 589.2 | 587.2 | 583.0 | 583.0 | 578.9 | 574.7 | 570.6 | 564.3 | 562.3 | 551.9 | 543.6 |
| 50° | 522.9 | 524.9 | 522.9 | 520.8 | 514.6 | 512.5 | 508.3 | 504.2 | 500.0 | 489.7 | 481.4 |
| 52.5° | 468.9 | 466.8 | 464.8 | 464.8 | 458.5 | 456.5 | 452.3 | 448.2 | 444.0 | 433.6 | 427.4 |
| 55° | 419.1 | 419.1 | 417.0 | 415.0 | 408.7 | 406.7 | 404.6 | 400.4 | 394.2 | 385.9 | 379.7 |
| 57.5° | 373.5 | 373.5 | 371.4 | 369.3 | 365.2 | 365.2 | 361.0 | 356.9 | 352.7 | 344.4 | 336.1 |
| 60° | 332.0 | 334.0 | 332.0 | 329.9 | 325.7 | 325.7 | 323.7 | 317.4 | 315.4 | 305.0 | 298.8 |
| 62.5° | 296.7 | 296.7 | 296.7 | 294.6 | 292.5 | 288.4 | 288.4 | 282.2 | 278.0 | 271.8 | 263.5 |
| 65° | 263.5 | 263.5 | 263.5 | 261.4 | 257.3 | 255.2 | 253.1 | 249.0 | 244.8 | 238.6 | 230.3 |
| 67.5° | 232.4 | 232.4 | 232.4 | 230.3 | 226.2 | 224.1 | 222.0 | 219.9 | 213.7 | 207.5 | 199.2 |
| 70° | 203.3 | 203.3 | 201.3 | 199.2 | 197.1 | 195.0 | 193.0 | 188.8 | 184.7 | 176.4 | 170.1 |
| 72.5° | 174.3 | 174.3 | 174.3 | 170.1 | 168.1 | 168.1 | 163.9 | 161.8 | 157.7 | 149.4 | 143.2 |
| 75° | 147.3 | 145.2 | 145.2 | 143.2 | 141.1 | 139.0 | 136.9 | 134.9 | 128.6 | 124.5 | 116.2 |
| 77.5° | 120.3 | 120.3 | 118.3 | 116.2 | 116.2 | 114.1 | 112.0 | 107.9 | 105.8 | 99.6 | 93.4 |
| 80° | 93.4 | 93.4 | 93.4 | 93.4 | 91.3 | 89.2 | 89.2 | 85.1 | 83.0 | 76.8 | 72.6 |
| 82.5° | 70.5 | 68.5 | 68.5 | 68.5 | 66.4 | 64.3 | 64.3 | 62.2 | 60.2 | 56.0 | 51.9 |
| 85° | 41.5 | 39.4 | 39.4 | 39.4 | 37.3 | 37.3 | 35.3 | 35.3 | 33.2 | 29.0 | 29.0 |
| 87.5° | 12.4 | 12.4 | 14.5 | 14.5 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 10.4 | 10.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 |
| 2.5° | 1498.0 | 1504.2 | 1495.9 | 1493.9 | 1502.2 | 1498.0 | 1495.9 | 1491.8 | 1493.9 | 1489.7 | 1483.5 |
| 5° | 1495.9 | 1504.2 | 1493.9 | 1487.6 | 1498.0 | 1491.8 | 1487.6 | 1483.5 | 1483.5 | 1475.2 | 1471.0 |
| 7.5° | 1489.7 | 1493.9 | 1483.5 | 1477.3 | 1483.5 | 1477.3 | 1473.1 | 1466.9 | 1464.8 | 1454.4 | 1448.2 |
| 10° | 1473.1 | 1477.3 | 1464.8 | 1456.5 | 1462.7 | 1454.4 | 1448.2 | 1442.0 | 1437.8 | 1425.4 | 1417.1 |
| 12.5° | 1450.3 | 1452.4 | 1437.8 | 1427.5 | 1431.6 | 1425.4 | 1415.0 | 1406.7 | 1402.6 | 1390.1 | 1379.7 |
| 15° | 1419.2 | 1421.2 | 1404.6 | 1390.1 | 1394.3 | 1386.0 | 1373.5 | 1365.2 | 1359.0 | 1346.6 | 1332.0 |
| 17.5° | 1381.8 | 1379.7 | 1361.1 | 1346.6 | 1348.6 | 1338.3 | 1325.8 | 1313.4 | 1305.1 | 1290.5 | 1280.2 |
| 20° | 1340.3 | 1334.1 | 1313.4 | 1296.8 | 1298.8 | 1286.4 | 1271.9 | 1259.4 | 1249.0 | 1236.6 | 1222.1 |
| 22.5° | 1288.5 | 1280.2 | 1261.5 | 1240.7 | 1242.8 | 1232.4 | 1211.7 | 1201.3 | 1190.9 | 1174.3 | 1161.9 |
| 25° | 1232.4 | 1220.0 | 1201.3 | 1180.6 | 1180.6 | 1168.1 | 1151.5 | 1139.1 | 1128.7 | 1112.1 | 1097.6 |
| 27.5° | 1166.0 | 1159.8 | 1134.9 | 1118.3 | 1116.2 | 1103.8 | 1089.3 | 1074.8 | 1062.3 | 1047.8 | 1033.3 |
| 30° | 1093.4 | 1083.1 | 1064.4 | 1045.7 | 1041.6 | 1031.2 | 1016.7 | 1000.1 | 991.8 | 977.2 | 964.8 |
| 32.5° | 1016.7 | 1006.3 | 985.5 | 966.9 | 964.8 | 956.5 | 944.0 | 927.4 | 919.1 | 908.8 | 900.5 |
| 35° | 929.5 | 925.4 | 904.6 | 890.1 | 890.1 | 881.8 | 869.3 | 854.8 | 848.6 | 838.2 | 827.8 |
| 37.5° | 846.5 | 840.3 | 821.6 | 809.2 | 809.2 | 798.8 | 786.4 | 780.1 | 773.9 | 765.6 | 759.4 |
| 40° | 759.4 | 755.2 | 740.7 | 728.3 | 730.3 | 722.0 | 713.7 | 705.4 | 701.3 | 697.1 | 690.9 |
| 42.5° | 678.5 | 674.3 | 663.9 | 653.6 | 653.6 | 647.3 | 639.0 | 632.8 | 628.7 | 622.4 | 620.4 |
| 45° | 605.8 | 599.6 | 591.3 | 580.9 | 580.9 | 574.7 | 570.6 | 566.4 | 564.3 | 560.2 | 554.0 |
| 47.5° | 535.3 | 531.2 | 522.9 | 512.5 | 512.5 | 512.5 | 504.2 | 498.0 | 498.0 | 493.8 | 491.7 |
| 50° | 475.1 | 468.9 | 462.7 | 454.4 | 454.4 | 450.2 | 444.0 | 437.8 | 437.8 | 435.7 | 431.6 |
| 52.5° | 419.1 | 415.0 | 406.7 | 398.4 | 398.4 | 394.2 | 388.0 | 385.9 | 383.8 | 377.6 | 375.5 |
| 55° | 371.4 | 367.2 | 361.0 | 350.6 | 348.6 | 346.5 | 340.3 | 336.1 | 334.0 | 327.8 | 327.8 |
| 57.5° | 327.8 | 323.7 | 313.3 | 307.1 | 305.0 | 300.8 | 294.6 | 290.5 | 288.4 | 284.2 | 280.1 |
| 60° | 290.5 | 284.2 | 275.9 | 267.7 | 265.6 | 261.4 | 255.2 | 251.1 | 249.0 | 240.7 | 236.5 |
| 62.5° | 255.2 | 249.0 | 240.7 | 232.4 | 230.3 | 226.2 | 217.9 | 213.7 | 209.6 | 201.3 | 197.1 |
| 65° | 222.0 | 215.8 | 207.5 | 199.2 | 195.0 | 193.0 | 184.7 | 178.4 | 174.3 | 168.1 | 159.8 |
| 67.5° | 190.9 | 184.7 | 176.4 | 166.0 | 166.0 | 159.8 | 153.5 | 147.3 | 141.1 | 134.9 | 128.6 |
| 70° | 161.8 | 155.6 | 147.3 | 139.0 | 136.9 | 132.8 | 126.6 | 118.3 | 114.1 | 105.8 | 99.6 |
| 72.5° | 134.9 | 128.6 | 120.3 | 112.0 | 110.0 | 105.8 | 99.6 | 91.3 | 85.1 | 78.8 | 72.6 |
| 75° | 110.0 | 103.7 | 95.4 | 89.2 | 87.1 | 83.0 | 76.8 | 68.5 | 62.2 | 58.1 | 51.9 |
| 77.5° | 87.1 | 80.9 | 74.7 | 68.5 | 66.4 | 62.2 | 56.0 | 51.9 | 45.6 | 41.5 | 35.3 |
| 80° | 66.4 | 62.2 | 56.0 | 51.9 | 49.8 | 45.6 | 41.5 | 35.3 | 31.1 | 27.0 | 24.9 |
| 82.5° | 47.7 | 43.6 | 39.4 | 33.2 | 33.2 | 29.0 | 27.0 | 22.8 | 18.7 | 16.6 | 14.5 |
| 85° | 27.0 | 22.8 | 20.7 | 18.7 | 16.6 | 16.6 | 14.5 | 12.4 | 10.4 | 8.3 | 8.3 |
| 87.5° | 8.3 | 8.3 | 6.2 | 6.2 | 6.2 | 6.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 |
| 2.5° | 1483.5 | 1485.6 | 1481.4 | 1485.6 | 1481.4 | 1483.5 | 1479.3 | 1483.5 | 1479.3 | 1483.5 | 1475.2 |
| 5° | 1469.0 | 1469.0 | 1462.7 | 1466.9 | 1462.7 | 1464.8 | 1456.5 | 1458.6 | 1454.4 | 1458.6 | 1450.3 |
| 7.5° | 1444.1 | 1446.1 | 1435.8 | 1439.9 | 1433.7 | 1433.7 | 1427.5 | 1429.5 | 1423.3 | 1425.4 | 1419.2 |
| 10° | 1415.0 | 1412.9 | 1402.6 | 1406.7 | 1398.4 | 1398.4 | 1392.2 | 1392.2 | 1383.9 | 1386.0 | 1377.7 |
| 12.5° | 1373.5 | 1371.5 | 1359.0 | 1363.2 | 1354.9 | 1354.9 | 1348.6 | 1348.6 | 1340.3 | 1344.5 | 1336.2 |
| 15° | 1325.8 | 1323.7 | 1311.3 | 1313.4 | 1305.1 | 1305.1 | 1296.8 | 1298.8 | 1292.6 | 1296.8 | 1288.5 |
| 17.5° | 1271.9 | 1269.8 | 1257.3 | 1259.4 | 1249.0 | 1251.1 | 1244.9 | 1242.8 | 1238.7 | 1240.7 | 1234.5 |
| 20° | 1215.8 | 1211.7 | 1199.2 | 1201.3 | 1197.2 | 1190.9 | 1186.8 | 1188.9 | 1184.7 | 1188.9 | 1182.6 |
| 22.5° | 1157.7 | 1149.4 | 1139.1 | 1139.1 | 1134.9 | 1134.9 | 1128.7 | 1132.8 | 1124.5 | 1130.8 | 1126.6 |
| 25° | 1091.4 | 1085.1 | 1076.8 | 1081.0 | 1072.7 | 1072.7 | 1066.5 | 1068.5 | 1064.4 | 1068.5 | 1064.4 |
| 27.5° | 1027.0 | 1022.9 | 1010.4 | 1014.6 | 1008.4 | 1010.4 | 1004.2 | 1006.3 | 1004.2 | 1008.4 | 1004.2 |
| 30° | 958.6 | 956.5 | 948.2 | 948.2 | 946.1 | 944.0 | 942.0 | 942.0 | 939.9 | 946.1 | 942.0 |
| 32.5° | 894.2 | 888.0 | 879.7 | 885.9 | 875.6 | 881.8 | 877.6 | 881.8 | 877.6 | 881.8 | 879.7 |
| 35° | 827.8 | 825.8 | 815.4 | 817.5 | 815.4 | 815.4 | 813.3 | 813.3 | 813.3 | 819.6 | 819.6 |
| 37.5° | 757.3 | 755.2 | 749.0 | 751.1 | 746.9 | 744.9 | 744.9 | 749.0 | 749.0 | 753.2 | 753.2 |
| 40° | 688.8 | 690.9 | 684.7 | 684.7 | 682.6 | 682.6 | 682.6 | 686.8 | 684.7 | 688.8 | 686.8 |
| 42.5° | 620.4 | 620.4 | 614.1 | 616.2 | 614.1 | 616.2 | 616.2 | 620.4 | 620.4 | 622.4 | 620.4 |
| 45° | 556.0 | 556.0 | 554.0 | 556.0 | 551.9 | 554.0 | 551.9 | 556.0 | 554.0 | 556.0 | 556.0 |
| 47.5° | 491.7 | 491.7 | 491.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 487.6 | 491.7 | 489.7 |
| 50° | 431.6 | 433.6 | 431.6 | 431.6 | 429.5 | 431.6 | 429.5 | 429.5 | 425.3 | 427.4 | 427.4 |
| 52.5° | 377.6 | 377.6 | 373.5 | 373.5 | 373.5 | 371.4 | 371.4 | 371.4 | 369.3 | 369.3 | 365.2 |
| 55° | 325.7 | 325.7 | 321.6 | 321.6 | 319.5 | 317.4 | 315.4 | 315.4 | 309.1 | 309.1 | 302.9 |
| 57.5° | 278.0 | 275.9 | 269.7 | 269.7 | 265.6 | 263.5 | 261.4 | 259.4 | 255.2 | 251.1 | 249.0 |
| 60° | 234.5 | 230.3 | 226.2 | 224.1 | 219.9 | 215.8 | 211.6 | 207.5 | 203.3 | 201.3 | 199.2 |
| 62.5° | 193.0 | 186.7 | 182.6 | 180.5 | 176.4 | 170.1 | 166.0 | 161.8 | 157.7 | 155.6 | 151.5 |
| 65° | 155.6 | 149.4 | 143.2 | 141.1 | 136.9 | 132.8 | 126.6 | 122.4 | 118.3 | 116.2 | 116.2 |
| 67.5° | 122.4 | 116.2 | 107.9 | 107.9 | 103.7 | 99.6 | 95.4 | 91.3 | 89.2 | 91.3 | 91.3 |
| 70° | 91.3 | 87.1 | 80.9 | 78.8 | 74.7 | 70.5 | 68.5 | 68.5 | 68.5 | 70.5 | 68.5 |
| 72.5° | 68.5 | 62.2 | 58.1 | 56.0 | 53.9 | 51.9 | 51.9 | 51.9 | 49.8 | 51.9 | 51.9 |
| 75° | 47.7 | 43.6 | 39.4 | 39.4 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 77.5° | 33.2 | 29.0 | 27.0 | 27.0 | 27.0 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 | 24.9 |
| 80° | 20.7 | 20.7 | 18.7 | 18.7 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 |
| 82.5° | 12.4 | 12.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 85° | 6.2 | 6.2 | 6.2 | 6.2 | 6.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 87.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P252504

CATALOG NUMBER: LD6B40D010 EU6B30509730 6LBLWW1H

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 | 1493.9 |
| 2.5° | 1475.2 | 1481.4 | 1473.1 | 1479.3 | 1477.3 | 1475.2 | 1471.0 | 1479.3 |
| 5° | 1450.3 | 1452.4 | 1444.1 | 1452.4 | 1450.3 | 1446.1 | 1442.0 | 1450.3 |
| 7.5° | 1415.0 | 1421.2 | 1410.9 | 1419.2 | 1417.1 | 1412.9 | 1408.8 | 1417.1 |
| 10° | 1375.6 | 1381.8 | 1373.5 | 1379.7 | 1379.7 | 1375.6 | 1369.4 | 1377.7 |
| 12.5° | 1332.0 | 1336.2 | 1327.9 | 1336.2 | 1334.1 | 1330.0 | 1327.9 | 1334.1 |
| 15° | 1284.3 | 1290.5 | 1282.2 | 1288.5 | 1286.4 | 1284.3 | 1282.2 | 1288.5 |
| 17.5° | 1232.4 | 1238.7 | 1232.4 | 1238.7 | 1238.7 | 1232.4 | 1230.4 | 1234.5 |
| 20° | 1180.6 | 1184.7 | 1178.5 | 1184.7 | 1182.6 | 1182.6 | 1178.5 | 1184.7 |
| 22.5° | 1122.5 | 1128.7 | 1124.5 | 1128.7 | 1126.6 | 1126.6 | 1124.5 | 1128.7 |
| 25° | 1064.4 | 1070.6 | 1064.4 | 1070.6 | 1068.5 | 1068.5 | 1064.4 | 1074.8 |
| 27.5° | 1006.3 | 1010.4 | 1004.2 | 1012.5 | 1010.4 | 1006.3 | 1008.4 | 1010.4 |
| 30° | 944.0 | 948.2 | 944.0 | 950.3 | 950.3 | 950.3 | 946.1 | 950.3 |
| 32.5° | 881.8 | 888.0 | 881.8 | 888.0 | 885.9 | 885.9 | 883.9 | 888.0 |
| 35° | 819.6 | 821.6 | 817.5 | 823.7 | 823.7 | 825.8 | 821.6 | 827.8 |
| 37.5° | 755.2 | 757.3 | 755.2 | 757.3 | 761.5 | 755.2 | 759.4 | 761.5 |
| 40° | 688.8 | 693.0 | 690.9 | 693.0 | 693.0 | 695.1 | 693.0 | 695.1 |
| 42.5° | 622.4 | 626.6 | 622.4 | 628.7 | 626.6 | 626.6 | 628.7 | 628.7 |
| 45° | 554.0 | 560.2 | 556.0 | 560.2 | 562.3 | 560.2 | 560.2 | 564.3 |
| 47.5° | 489.7 | 493.8 | 491.7 | 493.8 | 493.8 | 493.8 | 493.8 | 498.0 |
| 50° | 425.3 | 427.4 | 427.4 | 429.5 | 429.5 | 431.6 | 427.4 | 429.5 |
| 52.5° | 361.0 | 365.2 | 365.2 | 365.2 | 363.1 | 365.2 | 365.2 | 365.2 |
| 55° | 302.9 | 305.0 | 300.8 | 305.0 | 305.0 | 302.9 | 302.9 | 307.1 |
| 57.5° | 246.9 | 246.9 | 246.9 | 246.9 | 246.9 | 244.8 | 246.9 | 246.9 |
| 60° | 195.0 | 197.1 | 195.0 | 195.0 | 195.0 | 195.0 | 193.0 | 197.1 |
| 62.5° | 151.5 | 151.5 | 149.4 | 151.5 | 151.5 | 151.5 | 153.5 | 153.5 |
| 65° | 118.3 | 120.3 | 118.3 | 120.3 | 120.3 | 120.3 | 120.3 | 122.4 |
| 67.5° | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 70° | 70.5 | 70.5 | 70.5 | 72.6 | 70.5 | 70.5 | 70.5 | 72.6 |
| 72.5° | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 53.9 | 53.9 |
| 75° | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| 77.5° | 24.9 | 24.9 | 24.9 | 27.0 | 24.9 | 27.0 | 24.9 | 24.9 |
| 80° | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 | 16.6 |
| 82.5° | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 85° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 87.5° | 4.1 | 4.1 | 4.1 | 4.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)