

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: P135553

Luminaire Tested: **LD6A15D010TE ERM6A15830 6LM111LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P135553  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23399)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6A15D010TE ERM6A15830 6LM111LI  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED SINGLE WALL WASH LUMINAIRE  
SPECULAR CLEAR TRIM AND SPECULAR CLEAR KICKER  
Light Source: (1) HIGH LUMEN LED 3000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

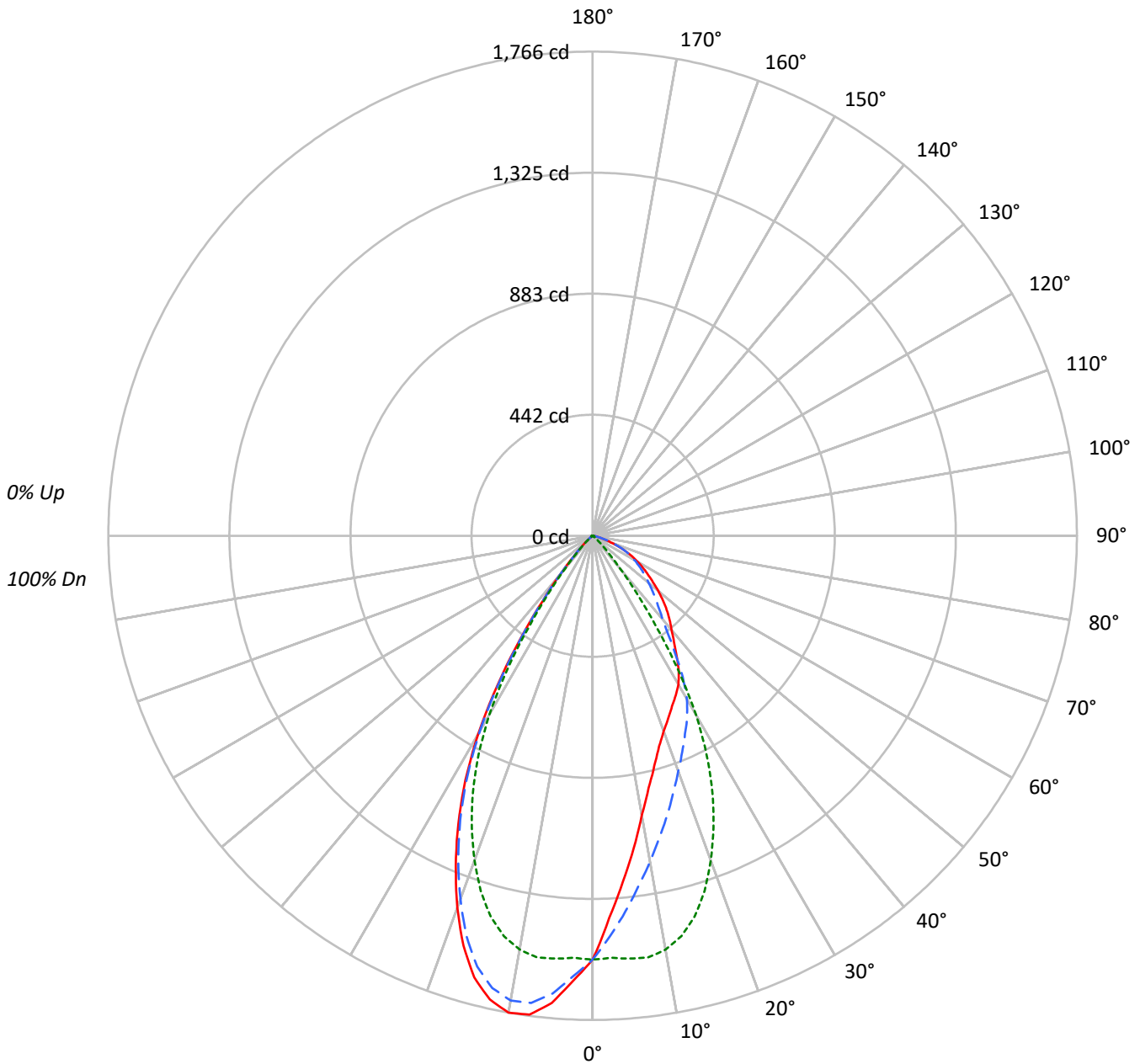
Lumens per Lamp: N/A  
Luminaire Lumens: 1522.0 lumens  
Efficiency: N/A  
Efficacy: 67.3 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.93 / 0.89  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 FT



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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 91  | 96  | 92  | 89  | 93  | 90  | 88  | 90  | 88  | 86  | 84  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 100 | 93  | 87  | 83  | 98  | 92  | 86  | 82  | 89  | 85  | 81  | 86  | 83  | 80  | 84  | 81  | 78  | 77  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 95  | 86  | 80  | 75  | 93  | 85  | 79  | 75  | 83  | 78  | 74  | 81  | 76  | 73  | 79  | 75  | 72  | 71  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 89  | 80  | 74  | 69  | 88  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 74  | 70  | 67  | 65  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 84  | 75  | 68  | 63  | 83  | 74  | 68  | 63  | 72  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 62  | 60  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 80  | 70  | 63  | 59  | 78  | 69  | 63  | 59  | 68  | 62  | 58  | 67  | 62  | 58  | 65  | 61  | 58  | 56  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 76  | 65  | 59  | 55  | 74  | 65  | 59  | 54  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 72  | 62  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 50  | 58  | 54  | 50  | 49  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 68  | 58  | 52  | 48  | 67  | 58  | 52  | 48  | 57  | 51  | 48  | 56  | 51  | 47  | 55  | 51  | 47  | 46  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 100869 | 100869 | 100869 |
| 5°  | 82877  | 101391 | 112014 |
| 10° | 68513  | 101524 | 116986 |
| 15° | 58681  | 97071  | 112626 |
| 20° | 52619  | 87430  | 100142 |
| 25° | 49353  | 74447  | 83488  |
| 30° | 47159  | 56779  | 62851  |
| 35° | 42514  | 32176  | 36429  |
| 40° | 38154  | 13107  | 15423  |
| 45° | 35254  | 4539   | 5213   |
| 50° | 31657  | 1593   | 1695   |
| 55° | 27981  | 955    | 830    |
| 60° | 24726  | 822    | 679    |
| 65° | 20362  | 648    | 479    |
| 70° | 13581  | 591    | 401    |
| 75° | 7386   | 529    | 252    |
| 80° | 3945   | 1165   | 0      |
| 85° | 1572   | 1572   | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 143.9  | 9.5       |
| 10°-20°   | 374.4  | 24.6      |
| 20°-30°   | 442.4  | 29.1      |
| 30°-40°   | 294.8  | 19.4      |
| 40°-50°   | 127.9  | 8.4       |
| 50°-60°   | 76.7   | 5.0       |
| 60°-70°   | 46.0   | 3.0       |
| 70°-80°   | 14.1   | 0.9       |
| 80°-90°   | 1.8    | 0.1       |
| 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°    | 960.7  | 63.1      |
| 0°-40°    | 1255.5 | 82.5      |
| 0°-60°    | 1460.1 | 95.9      |
| 0°-90°    | 1522.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1522.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1546 | 1546 | 1546 | 1546 | 1546 |      |
| 5°  | 1266 | 1375 | 1548 | 1676 | 1710 | 114  |
| 15° | 869  | 1053 | 1437 | 1627 | 1668 | 245  |
| 25° | 686  | 798  | 1034 | 1142 | 1160 | 317  |
| 35° | 534  | 526  | 404  | 449  | 457  | 334  |
| 45° | 382  | 323  | 49   | 56   | 56   | 294  |
| 55° | 246  | 219  | 8    | 7    | 7    | 221  |
| 65° | 132  | 131  | 4    | 3    | 3    | 130  |
| 75° | 29   | 32   | 2    | 1    | 1    | 35   |
| 85° | 2    | 3    | 2    | 0    | 0    | 3    |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 |
| 2.5°  | 1395.3 | 1419.4 | 1429.9 | 1437.2 | 1410.0 | 1439.3 | 1429.9 | 1443.5 | 1447.7 | 1461.3 | 1473.8 |
| 5°    | 1265.5 | 1288.6 | 1300.1 | 1308.4 | 1287.5 | 1321.0 | 1320.0 | 1337.8 | 1352.4 | 1375.4 | 1391.1 |
| 7.5°  | 1149.3 | 1159.8 | 1171.3 | 1182.8 | 1173.4 | 1203.8 | 1209.0 | 1234.1 | 1256.1 | 1287.5 | 1316.8 |
| 10°   | 1034.2 | 1044.7 | 1056.2 | 1068.7 | 1064.6 | 1094.9 | 1106.4 | 1134.7 | 1164.0 | 1205.9 | 1237.3 |
| 12.5° | 942.1  | 952.6  | 963.0  | 975.6  | 973.5  | 1003.8 | 1018.5 | 1048.9 | 1084.4 | 1126.3 | 1161.9 |
| 15°   | 868.8  | 878.2  | 888.7  | 897.1  | 899.2  | 927.4  | 943.1  | 972.4  | 1010.1 | 1053.0 | 1089.7 |
| 17.5° | 805.0  | 815.4  | 824.8  | 832.2  | 834.3  | 860.4  | 876.1  | 902.3  | 938.9  | 979.8  | 1015.4 |
| 20°   | 757.9  | 767.3  | 775.6  | 783.0  | 783.0  | 806.0  | 819.6  | 843.7  | 876.1  | 913.8  | 944.2  |
| 22.5° | 720.2  | 728.5  | 735.9  | 742.2  | 742.2  | 762.0  | 773.6  | 793.4  | 821.7  | 853.1  | 878.2  |
| 25°   | 685.6  | 694.0  | 700.3  | 705.5  | 704.5  | 723.3  | 732.7  | 747.4  | 771.5  | 797.6  | 816.5  |
| 27.5° | 656.3  | 664.7  | 669.9  | 677.3  | 673.1  | 688.8  | 696.1  | 708.7  | 727.5  | 746.3  | 756.8  |
| 30°   | 626.0  | 634.3  | 639.6  | 645.9  | 641.7  | 655.3  | 659.5  | 665.7  | 678.3  | 687.7  | 688.8  |
| 32.5° | 584.1  | 591.4  | 596.7  | 599.8  | 594.6  | 605.0  | 605.0  | 606.1  | 610.3  | 611.3  | 602.9  |
| 35°   | 533.8  | 539.1  | 543.3  | 544.3  | 538.0  | 544.3  | 543.3  | 535.9  | 533.8  | 525.5  | 508.7  |
| 37.5° | 486.7  | 493.0  | 495.1  | 495.1  | 486.7  | 489.9  | 485.7  | 474.2  | 465.8  | 451.2  | 428.1  |
| 40°   | 448.0  | 453.2  | 454.3  | 453.2  | 444.9  | 445.9  | 439.6  | 426.0  | 414.5  | 396.7  | 367.4  |
| 42.5° | 415.6  | 419.8  | 420.8  | 419.8  | 411.4  | 411.4  | 405.1  | 390.4  | 376.8  | 356.9  | 326.6  |
| 45°   | 382.1  | 386.3  | 388.3  | 386.3  | 378.9  | 378.9  | 371.6  | 358.0  | 344.4  | 323.4  | 293.1  |
| 47.5° | 347.5  | 350.7  | 352.8  | 351.7  | 344.4  | 344.4  | 338.1  | 324.5  | 313.0  | 294.1  | 264.8  |
| 50°   | 311.9  | 316.1  | 318.2  | 317.2  | 310.9  | 310.9  | 305.7  | 293.1  | 283.7  | 266.9  | 240.8  |
| 52.5° | 277.4  | 282.6  | 283.7  | 281.6  | 277.4  | 276.3  | 273.2  | 261.7  | 254.4  | 242.8  | 217.7  |
| 55°   | 246.0  | 250.2  | 250.2  | 250.2  | 244.9  | 243.9  | 241.8  | 232.4  | 228.2  | 218.8  | 197.8  |
| 57.5° | 217.7  | 220.9  | 219.8  | 218.8  | 216.7  | 214.6  | 212.5  | 205.2  | 203.1  | 196.8  | 179.0  |
| 60°   | 189.5  | 192.6  | 191.6  | 190.5  | 188.4  | 186.3  | 184.2  | 179.0  | 179.0  | 174.8  | 160.2  |
| 62.5° | 162.2  | 164.3  | 163.3  | 162.2  | 162.2  | 160.2  | 159.1  | 154.9  | 156.0  | 153.9  | 141.3  |
| 65°   | 131.9  | 135.0  | 134.0  | 134.0  | 135.0  | 135.0  | 134.0  | 131.9  | 131.9  | 130.8  | 120.4  |
| 67.5° | 100.5  | 103.6  | 102.6  | 103.6  | 106.8  | 107.8  | 107.8  | 106.8  | 106.8  | 104.7  | 95.3   |
| 70°   | 71.2   | 73.3   | 73.3   | 74.3   | 77.5   | 78.5   | 81.6   | 78.5   | 78.5   | 76.4   | 69.1   |
| 72.5° | 47.1   | 48.2   | 49.2   | 51.3   | 52.3   | 53.4   | 55.5   | 55.5   | 54.4   | 51.3   | 46.1   |
| 75°   | 29.3   | 30.4   | 30.4   | 31.4   | 32.4   | 33.5   | 35.6   | 34.5   | 33.5   | 32.4   | 28.3   |
| 77.5° | 17.8   | 17.8   | 18.8   | 18.8   | 19.9   | 20.9   | 20.9   | 20.9   | 19.9   | 18.8   | 16.7   |
| 80°   | 10.5   | 10.5   | 10.5   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 10.5   | 9.4    |
| 82.5° | 5.2    | 5.2    | 5.2    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 5.2    | 5.2    |
| 85°   | 2.1    | 2.1    | 2.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 2.1    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 |
| 2.5°  | 1486.4 | 1486.4 | 1483.3 | 1502.1 | 1526.2 | 1522.0 | 1523.0 | 1540.8 | 1548.2 | 1560.7 | 1572.2 |
| 5°    | 1418.4 | 1429.9 | 1438.2 | 1468.6 | 1503.1 | 1509.4 | 1520.9 | 1548.2 | 1564.9 | 1585.8 | 1605.7 |
| 7.5°  | 1350.3 | 1374.4 | 1394.3 | 1434.1 | 1479.1 | 1495.8 | 1516.8 | 1551.3 | 1573.3 | 1601.5 | 1628.8 |
| 10°   | 1280.2 | 1313.7 | 1343.0 | 1391.1 | 1443.5 | 1467.6 | 1493.7 | 1532.5 | 1561.8 | 1592.1 | 1622.5 |
| 12.5° | 1210.1 | 1250.9 | 1287.5 | 1340.9 | 1396.4 | 1425.7 | 1455.0 | 1495.8 | 1527.2 | 1558.6 | 1590.0 |
| 15°   | 1141.0 | 1184.9 | 1223.7 | 1280.2 | 1336.7 | 1367.1 | 1396.4 | 1437.2 | 1470.7 | 1500.0 | 1531.4 |
| 17.5° | 1064.6 | 1113.8 | 1149.3 | 1202.7 | 1257.2 | 1287.5 | 1320.0 | 1357.6 | 1387.0 | 1412.1 | 1442.4 |
| 20°   | 990.2  | 1036.3 | 1068.7 | 1117.9 | 1167.1 | 1195.4 | 1225.8 | 1259.3 | 1285.4 | 1307.4 | 1335.7 |
| 22.5° | 918.0  | 958.8  | 989.2  | 1034.2 | 1071.9 | 1096.0 | 1122.1 | 1151.4 | 1174.5 | 1192.3 | 1217.4 |
| 25°   | 847.9  | 880.3  | 903.4  | 938.9  | 969.3  | 988.1  | 1010.1 | 1034.2 | 1054.1 | 1068.7 | 1091.8 |
| 27.5° | 777.7  | 799.7  | 808.1  | 830.1  | 848.9  | 869.9  | 881.4  | 900.2  | 918.0  | 929.5  | 949.4  |
| 30°   | 697.1  | 704.5  | 697.1  | 703.4  | 708.7  | 718.1  | 731.7  | 753.7  | 762.0  | 769.4  | 789.3  |
| 32.5° | 596.7  | 591.4  | 567.3  | 557.9  | 551.6  | 561.1  | 563.2  | 579.9  | 585.1  | 591.4  | 607.1  |
| 35°   | 490.9  | 472.1  | 433.4  | 409.3  | 394.6  | 395.7  | 386.3  | 404.0  | 407.2  | 413.5  | 425.0  |
| 37.5° | 400.9  | 370.6  | 320.3  | 286.8  | 264.8  | 259.6  | 248.1  | 258.5  | 259.6  | 263.8  | 272.2  |
| 40°   | 335.0  | 292.0  | 235.5  | 195.7  | 171.7  | 161.2  | 149.7  | 153.9  | 153.9  | 157.0  | 162.2  |
| 42.5° | 288.9  | 242.8  | 179.0  | 136.1  | 109.9  | 97.3   | 87.9   | 87.9   | 87.9   | 89.0   | 92.1   |
| 45°   | 254.4  | 203.1  | 139.2  | 95.3   | 71.2   | 58.6   | 49.2   | 49.2   | 48.2   | 48.2   | 50.2   |
| 47.5° | 226.1  | 174.8  | 109.9  | 70.1   | 46.1   | 34.5   | 28.3   | 26.2   | 25.1   | 26.2   | 27.2   |
| 50°   | 203.1  | 152.8  | 91.1   | 53.4   | 32.4   | 23.0   | 17.8   | 15.7   | 14.7   | 14.7   | 14.7   |
| 52.5° | 183.2  | 135.0  | 76.4   | 42.9   | 25.1   | 16.7   | 12.6   | 10.5   | 9.4    | 9.4    | 9.4    |
| 55°   | 166.4  | 119.3  | 65.9   | 35.6   | 20.9   | 14.7   | 10.5   | 8.4    | 7.3    | 7.3    | 7.3    |
| 57.5° | 149.7  | 105.7  | 56.5   | 30.4   | 17.8   | 12.6   | 9.4    | 7.3    | 6.3    | 6.3    | 6.3    |
| 60°   | 132.9  | 92.1   | 49.2   | 25.1   | 14.7   | 10.5   | 8.4    | 6.3    | 5.2    | 5.2    | 5.2    |
| 62.5° | 116.2  | 78.5   | 40.8   | 20.9   | 12.6   | 9.4    | 6.3    | 5.2    | 5.2    | 4.2    | 4.2    |
| 65°   | 96.3   | 63.9   | 33.5   | 17.8   | 10.5   | 7.3    | 6.3    | 4.2    | 4.2    | 4.2    | 4.2    |
| 67.5° | 75.4   | 49.2   | 25.1   | 13.6   | 8.4    | 6.3    | 5.2    | 4.2    | 3.1    | 3.1    | 3.1    |
| 70°   | 53.4   | 34.5   | 18.8   | 10.5   | 7.3    | 5.2    | 4.2    | 3.1    | 3.1    | 3.1    | 2.1    |
| 72.5° | 35.6   | 23.0   | 13.6   | 8.4    | 6.3    | 4.2    | 3.1    | 3.1    | 2.1    | 2.1    | 2.1    |
| 75°   | 23.0   | 14.7   | 9.4    | 6.3    | 4.2    | 4.2    | 3.1    | 2.1    | 2.1    | 2.1    | 1.0    |
| 77.5° | 13.6   | 9.4    | 6.3    | 4.2    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 2.1    | 1.0    |
| 80°   | 7.3    | 5.2    | 4.2    | 3.1    | 2.1    | 3.1    | 3.1    | 3.1    | 3.1    | 2.1    | 1.0    |
| 82.5° | 4.2    | 3.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 3.1    | 3.1    | 2.1    | 1.0    |
| 85°   | 2.1    | 2.1    | 1.0    | 1.0    | 1.0    | 2.1    | 2.1    | 2.1    | 2.1    | 1.0    | 1.0    |
| 87.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 2.1    | 2.1    | 1.0    | 1.0    |
| 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: P135553

CATALOG NUMBER: LD6A15D010TE ERM6A15830 6LM111LI

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 | 1546.1 |
| 2.5°  | 1581.7 | 1587.9 | 1590.0 | 1593.2 | 1611.0 | 1606.8 | 1622.5 | 1622.5 | 1635.0 | 1627.7 | 1635.0 |
| 5°    | 1622.5 | 1636.1 | 1642.4 | 1650.7 | 1675.9 | 1675.9 | 1694.7 | 1697.8 | 1714.6 | 1709.4 | 1716.7 |
| 7.5°  | 1648.6 | 1665.4 | 1673.8 | 1687.4 | 1714.6 | 1718.8 | 1736.6 | 1741.8 | 1761.7 | 1758.6 | 1762.7 |
| 10°   | 1643.4 | 1661.2 | 1671.7 | 1686.3 | 1714.6 | 1720.9 | 1736.6 | 1746.0 | 1764.8 | 1760.6 | 1762.7 |
| 12.5° | 1611.0 | 1627.7 | 1639.2 | 1652.8 | 1682.1 | 1689.5 | 1703.1 | 1713.5 | 1731.3 | 1728.2 | 1728.2 |
| 15°   | 1550.3 | 1569.1 | 1578.5 | 1590.0 | 1618.3 | 1626.7 | 1637.1 | 1645.5 | 1665.4 | 1663.3 | 1660.2 |
| 17.5° | 1459.2 | 1477.0 | 1484.3 | 1493.7 | 1520.9 | 1530.4 | 1538.7 | 1545.0 | 1563.9 | 1562.8 | 1557.6 |
| 20°   | 1348.2 | 1363.9 | 1370.2 | 1376.5 | 1400.6 | 1410.0 | 1416.3 | 1422.5 | 1438.2 | 1438.2 | 1430.9 |
| 22.5° | 1226.8 | 1240.4 | 1244.6 | 1249.8 | 1270.8 | 1280.2 | 1283.3 | 1288.6 | 1303.2 | 1303.2 | 1293.8 |
| 25°   | 1098.1 | 1109.6 | 1111.7 | 1115.8 | 1133.6 | 1142.0 | 1143.1 | 1146.2 | 1160.9 | 1160.9 | 1151.4 |
| 27.5° | 953.6  | 963.0  | 965.1  | 967.2  | 982.9  | 991.3  | 990.2  | 1001.7 | 1005.9 | 1008.0 | 996.5  |
| 30°   | 791.3  | 807.1  | 798.7  | 808.1  | 813.3  | 821.7  | 818.6  | 830.1  | 833.2  | 836.4  | 821.7  |
| 32.5° | 609.2  | 623.9  | 614.4  | 623.9  | 626.0  | 634.3  | 630.1  | 640.6  | 642.7  | 645.9  | 632.2  |
| 35°   | 427.1  | 438.6  | 430.2  | 433.4  | 440.7  | 449.1  | 443.8  | 453.2  | 455.3  | 456.4  | 445.9  |
| 37.5° | 274.3  | 282.6  | 284.7  | 287.9  | 287.9  | 294.1  | 296.2  | 296.2  | 297.3  | 298.3  | 290.0  |
| 40°   | 164.3  | 170.6  | 171.7  | 170.6  | 173.8  | 179.0  | 180.0  | 179.0  | 180.0  | 181.1  | 175.9  |
| 42.5° | 93.2   | 97.3   | 98.4   | 98.4   | 100.5  | 103.6  | 103.6  | 102.6  | 103.6  | 103.6  | 100.5  |
| 45°   | 51.3   | 53.4   | 54.4   | 53.4   | 54.4   | 56.5   | 56.5   | 56.5   | 56.5   | 56.5   | 55.5   |
| 47.5° | 27.2   | 28.3   | 28.3   | 29.3   | 28.3   | 29.3   | 29.3   | 29.3   | 30.4   | 30.4   | 29.3   |
| 50°   | 14.7   | 15.7   | 15.7   | 15.7   | 15.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 15.7   |
| 52.5° | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    | 9.4    |
| 55°   | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    | 7.3    |
| 57.5° | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    |
| 60°   | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    |
| 62.5° | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    | 4.2    |
| 65°   | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    |
| 67.5° | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    |
| 70°   | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 72.5° | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 75°   | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 77.5° | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    |
| 80°   | 1.0    | 1.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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: P135553

CATALOG NUMBER: LD6A15D010TE ERM6A15830 6LM111LI

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1546.1 | 1546.1 | 1546.1 | 1546.1 |
| 2.5°  | 1638.2 | 1643.4 | 1636.1 | 1624.6 |
| 5°    | 1721.9 | 1728.2 | 1720.9 | 1710.4 |
| 7.5°  | 1768.0 | 1777.4 | 1769.0 | 1761.7 |
| 10°   | 1770.1 | 1779.5 | 1770.1 | 1765.9 |
| 12.5° | 1735.5 | 1744.9 | 1734.5 | 1732.4 |
| 15°   | 1669.6 | 1676.9 | 1666.4 | 1667.5 |
| 17.5° | 1568.0 | 1574.3 | 1563.9 | 1567.0 |
| 20°   | 1440.3 | 1446.6 | 1436.2 | 1442.4 |
| 22.5° | 1303.2 | 1307.4 | 1305.3 | 1304.3 |
| 25°   | 1159.8 | 1162.9 | 1153.5 | 1159.8 |
| 27.5° | 1002.8 | 1004.9 | 1005.9 | 1004.9 |
| 30°   | 829.0  | 830.1  | 823.8  | 834.3  |
| 32.5° | 638.5  | 637.5  | 635.4  | 644.8  |
| 35°   | 449.1  | 449.1  | 449.1  | 457.4  |
| 37.5° | 292.0  | 291.0  | 292.0  | 298.3  |
| 40°   | 176.9  | 175.9  | 176.9  | 181.1  |
| 42.5° | 100.5  | 100.5  | 101.5  | 103.6  |
| 45°   | 56.5   | 55.5   | 55.5   | 56.5   |
| 47.5° | 30.4   | 30.4   | 29.3   | 30.4   |
| 50°   | 16.7   | 16.7   | 15.7   | 16.7   |
| 52.5° | 9.4    | 9.4    | 9.4    | 9.4    |
| 55°   | 7.3    | 7.3    | 7.3    | 7.3    |
| 57.5° | 6.3    | 6.3    | 6.3    | 6.3    |
| 60°   | 5.2    | 5.2    | 5.2    | 5.2    |
| 62.5° | 4.2    | 4.2    | 4.2    | 4.2    |
| 65°   | 3.1    | 4.2    | 3.1    | 3.1    |
| 67.5° | 3.1    | 3.1    | 3.1    | 3.1    |
| 70°   | 2.1    | 2.1    | 2.1    | 2.1    |
| 72.5° | 2.1    | 2.1    | 2.1    | 2.1    |
| 75°   | 1.0    | 1.0    | 1.0    | 1.0    |
| 77.5° | 1.0    | 1.0    | 1.0    | 1.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |



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















(END OF REPORT)