

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: P136426

Luminaire Tested: **LD6A20D010TE ERW6A20835 6LW111H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P136426  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23375)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6A20D010TE ERW6A20835 6LW111H  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED SINGLE WALL WASH LUMINAIRE  
SEMI-SPECULAR CLEAR TRIM AND SPECULAR CLEAR KICKER  
Light Source: (1) HIGH LUMEN LED 3500K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2353.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.17 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

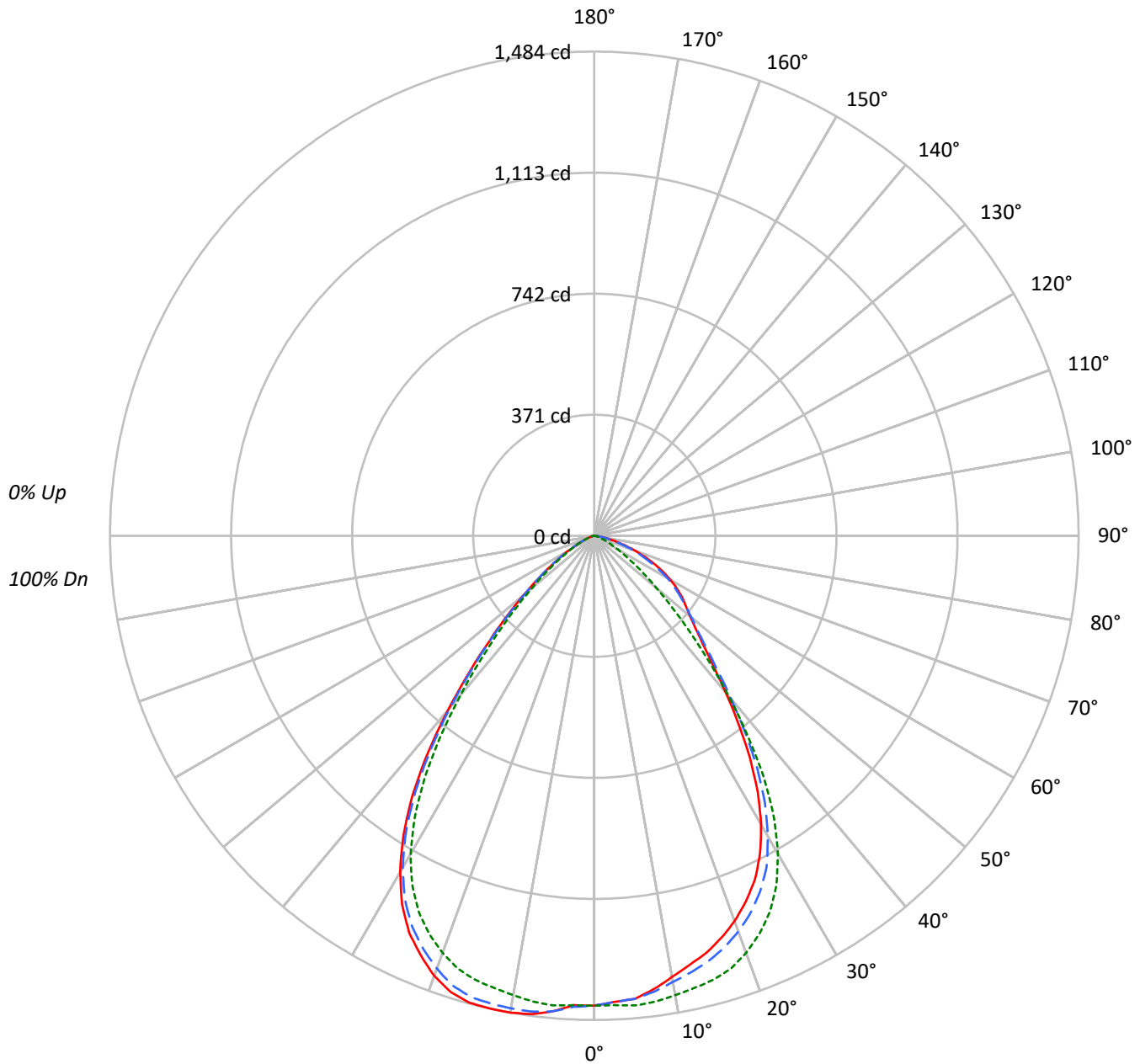
Input Watts (W): 32.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

|     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|--|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     |  | 20  |     |     |  |     | 20  |     |  |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     |  | 50  |     |     |  |     | 30  |     |  |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 |  | 102 | 100 | 98  |  | 98  | 96  | 95  |  | 95  | 93  | 92  |
| 2   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 88  |  | 93  | 89  | 86  |  | 90  | 87  | 84  |  | 87  | 84  | 82  |
| 3   | 97  | 89  | 83  | 78  | 95  | 88  | 82  | 77  |  | 85  | 80  | 76  |  | 82  | 78  | 75  |  | 80  | 76  | 73  |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 74  | 69  |  | 78  | 72  | 68  |  | 76  | 71  | 67  |  | 74  | 69  | 66  |
| 5   | 85  | 74  | 67  | 62  | 83  | 73  | 67  | 61  |  | 71  | 65  | 61  |  | 70  | 64  | 60  |  | 68  | 63  | 60  |
| 6   | 79  | 68  | 61  | 56  | 78  | 68  | 61  | 55  |  | 66  | 60  | 55  |  | 64  | 59  | 55  |  | 63  | 58  | 54  |
| 7   | 74  | 63  | 56  | 51  | 73  | 62  | 55  | 50  |  | 61  | 55  | 50  |  | 60  | 54  | 50  |  | 58  | 53  | 49  |
| 8   | 70  | 58  | 51  | 46  | 69  | 58  | 51  | 46  |  | 57  | 50  | 46  |  | 55  | 50  | 46  |  | 54  | 49  | 45  |
| 9   | 66  | 54  | 47  | 42  | 65  | 54  | 47  | 42  |  | 53  | 46  | 42  |  | 52  | 46  | 42  |  | 51  | 46  | 42  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  |  | 49  | 43  | 39  |  | 48  | 43  | 39  |  | 48  | 42  | 39  |

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

|     | 0°    | 90°   | 180°   |
|-----|-------|-------|--------|
| 0°  | 93947 | 93947 | 93947  |
| 5°  | 93290 | 94646 | 95825  |
| 10° | 90951 | 94713 | 98304  |
| 15° | 89419 | 95174 | 100050 |
| 20° | 87257 | 94422 | 99622  |
| 25° | 83783 | 91587 | 96604  |
| 30° | 76991 | 84765 | 89624  |
| 35° | 66184 | 72142 | 77279  |
| 40° | 53186 | 54285 | 59343  |
| 45° | 43336 | 37616 | 41667  |
| 50° | 38761 | 25141 | 28551  |
| 55° | 37274 | 16436 | 18790  |
| 60° | 35021 | 10439 | 11782  |
| 65° | 31075 | 6376  | 6777   |
| 70° | 25103 | 3929  | 3929   |
| 75° | 17569 | 2596  | 2596   |
| 80° | 11647 | 1954  | 1954   |
| 85° | 5764  | 1946  | 1946   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 137.1  | 5.8       |
| 10°-20°   | 395.3  | 16.8      |
| 20°-30°   | 575.7  | 24.5      |
| 30°-40°   | 558.4  | 23.7      |
| 40°-50°   | 352.9  | 15.0      |
| 50°-60°   | 196.5  | 8.4       |
| 60°-70°   | 97.4   | 4.1       |
| 70°-80°   | 34.3   | 1.5       |
| 80°-90°   | 5.4    | 0.2       |
| 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°    | 1108.1 | 47.1      |
| 0°-40°    | 1666.5 | 70.8      |
| 0°-60°    | 2215.9 | 94.2      |
| 0°-90°    | 2353.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2353.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1440 | 1440 | 1440 | 1440 | 1440 |      |
| 5°  | 1424 | 1424 | 1445 | 1463 | 1463 | 134  |
| 15° | 1324 | 1350 | 1409 | 1463 | 1481 | 372  |
| 25° | 1164 | 1203 | 1272 | 1321 | 1342 | 531  |
| 35° | 831  | 870  | 906  | 955  | 970  | 515  |
| 45° | 470  | 483  | 408  | 446  | 452  | 371  |
| 55° | 328  | 320  | 144  | 165  | 165  | 292  |
| 65° | 201  | 186  | 41   | 44   | 44   | 198  |
| 75° | 70   | 64   | 10   | 10   | 10   | 78   |
| 85° | 8    | 8    | 3    | 3    | 3    | 12   |
| 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°    | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 |
| 2.5°  | 1429.7 | 1416.8 | 1422.0 | 1419.4 | 1422.0 | 1419.4 | 1427.1 | 1419.4 | 1424.5 | 1429.7 | 1419.4 |
| 5°    | 1424.5 | 1411.6 | 1414.2 | 1414.2 | 1414.2 | 1414.2 | 1422.0 | 1414.2 | 1419.4 | 1424.5 | 1416.8 |
| 7.5°  | 1401.3 | 1391.0 | 1393.6 | 1393.6 | 1393.6 | 1393.6 | 1401.3 | 1396.2 | 1401.3 | 1409.1 | 1401.3 |
| 10°   | 1372.9 | 1362.6 | 1367.8 | 1367.8 | 1367.8 | 1367.8 | 1378.1 | 1372.9 | 1378.1 | 1388.4 | 1380.7 |
| 12.5° | 1347.1 | 1339.4 | 1344.5 | 1344.5 | 1344.5 | 1347.1 | 1354.9 | 1352.3 | 1357.4 | 1370.3 | 1362.6 |
| 15°   | 1323.9 | 1316.1 | 1321.3 | 1321.3 | 1321.3 | 1323.9 | 1331.6 | 1334.2 | 1339.4 | 1349.7 | 1344.5 |
| 17.5° | 1292.9 | 1285.2 | 1292.9 | 1292.9 | 1290.3 | 1295.5 | 1305.8 | 1305.8 | 1311.0 | 1323.9 | 1321.3 |
| 20°   | 1256.8 | 1249.1 | 1256.8 | 1256.8 | 1254.2 | 1259.4 | 1269.7 | 1272.3 | 1277.4 | 1290.3 | 1287.8 |
| 22.5° | 1212.9 | 1210.3 | 1212.9 | 1218.1 | 1215.5 | 1218.1 | 1228.4 | 1231.0 | 1236.1 | 1251.6 | 1249.1 |
| 25°   | 1163.9 | 1161.3 | 1166.5 | 1169.1 | 1166.5 | 1169.1 | 1179.4 | 1182.0 | 1187.1 | 1202.6 | 1202.6 |
| 27.5° | 1099.4 | 1096.8 | 1104.5 | 1104.5 | 1104.5 | 1109.7 | 1117.4 | 1122.6 | 1125.2 | 1143.2 | 1140.7 |
| 30°   | 1022.0 | 1019.4 | 1024.5 | 1027.1 | 1027.1 | 1027.1 | 1037.4 | 1045.2 | 1047.8 | 1063.2 | 1063.2 |
| 32.5° | 931.6  | 931.6  | 934.2  | 939.4  | 936.8  | 942.0  | 949.7  | 954.9  | 960.0  | 972.9  | 972.9  |
| 35°   | 831.0  | 833.6  | 836.1  | 841.3  | 838.7  | 841.3  | 849.0  | 854.2  | 856.8  | 869.7  | 867.1  |
| 37.5° | 725.2  | 727.8  | 730.3  | 732.9  | 732.9  | 735.5  | 743.2  | 745.8  | 748.4  | 758.7  | 753.6  |
| 40°   | 624.5  | 624.5  | 627.1  | 632.3  | 629.7  | 634.8  | 640.0  | 642.6  | 642.6  | 650.3  | 645.2  |
| 42.5° | 536.8  | 539.4  | 541.9  | 544.5  | 544.5  | 547.1  | 552.3  | 554.8  | 554.8  | 557.4  | 549.7  |
| 45°   | 469.7  | 472.3  | 472.3  | 477.4  | 477.4  | 480.0  | 482.6  | 485.2  | 482.6  | 482.6  | 474.8  |
| 47.5° | 420.7  | 423.2  | 425.8  | 428.4  | 428.4  | 431.0  | 433.6  | 433.6  | 431.0  | 428.4  | 418.1  |
| 50°   | 381.9  | 387.1  | 387.1  | 389.7  | 392.3  | 394.8  | 394.8  | 394.8  | 389.7  | 387.1  | 371.6  |
| 52.5° | 353.6  | 356.1  | 358.7  | 361.3  | 361.3  | 363.9  | 366.5  | 363.9  | 358.7  | 351.0  | 335.5  |
| 55°   | 327.7  | 330.3  | 332.9  | 335.5  | 335.5  | 335.5  | 335.5  | 332.9  | 327.7  | 320.0  | 304.5  |
| 57.5° | 299.4  | 301.9  | 304.5  | 307.1  | 307.1  | 307.1  | 307.1  | 304.5  | 299.4  | 289.0  | 271.0  |
| 60°   | 268.4  | 271.0  | 273.6  | 276.1  | 276.1  | 276.1  | 273.6  | 271.0  | 265.8  | 258.1  | 240.0  |
| 62.5° | 234.8  | 237.4  | 240.0  | 240.0  | 240.0  | 237.4  | 237.4  | 234.8  | 229.7  | 221.9  | 203.9  |
| 65°   | 201.3  | 201.3  | 203.9  | 203.9  | 203.9  | 203.9  | 201.3  | 198.7  | 193.6  | 185.8  | 172.9  |
| 67.5° | 165.2  | 167.7  | 167.7  | 167.7  | 167.7  | 167.7  | 165.2  | 165.2  | 160.0  | 152.3  | 141.9  |
| 70°   | 131.6  | 131.6  | 134.2  | 134.2  | 134.2  | 134.2  | 131.6  | 131.6  | 126.5  | 121.3  | 111.0  |
| 72.5° | 98.1   | 98.1   | 98.1   | 100.6  | 100.6  | 100.6  | 98.1   | 98.1   | 95.5   | 90.3   | 82.6   |
| 75°   | 69.7   | 69.7   | 69.7   | 72.3   | 72.3   | 72.3   | 72.3   | 69.7   | 67.1   | 64.5   | 59.4   |
| 77.5° | 46.5   | 49.0   | 46.5   | 46.5   | 46.5   | 49.0   | 46.5   | 46.5   | 46.5   | 43.9   | 38.7   |
| 80°   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 28.4   | 28.4   | 25.8   |
| 82.5° | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   | 15.5   | 15.5   |
| 85°   | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    | 7.7    |
| 87.5° | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 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°    | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 |
| 2.5°  | 1427.1 | 1432.3 | 1437.4 | 1432.3 | 1424.5 | 1440.0 | 1437.4 | 1440.0 | 1437.4 | 1432.3 | 1447.8 |
| 5°    | 1424.5 | 1429.7 | 1437.4 | 1432.3 | 1427.1 | 1442.6 | 1440.0 | 1445.2 | 1445.2 | 1440.0 | 1455.5 |
| 7.5°  | 1409.1 | 1414.2 | 1427.1 | 1422.0 | 1416.8 | 1432.3 | 1434.9 | 1440.0 | 1442.6 | 1437.4 | 1455.5 |
| 10°   | 1391.0 | 1396.2 | 1409.1 | 1406.5 | 1403.9 | 1422.0 | 1424.5 | 1429.7 | 1432.3 | 1429.7 | 1447.8 |
| 12.5° | 1372.9 | 1380.7 | 1393.6 | 1391.0 | 1391.0 | 1409.1 | 1411.6 | 1419.4 | 1424.5 | 1422.0 | 1442.6 |
| 15°   | 1354.9 | 1365.2 | 1380.7 | 1378.1 | 1378.1 | 1398.7 | 1401.3 | 1409.1 | 1414.2 | 1414.2 | 1434.9 |
| 17.5° | 1331.6 | 1342.0 | 1357.4 | 1354.9 | 1360.0 | 1375.5 | 1380.7 | 1391.0 | 1396.2 | 1393.6 | 1416.8 |
| 20°   | 1298.1 | 1311.0 | 1326.5 | 1323.9 | 1326.5 | 1347.1 | 1352.3 | 1360.0 | 1365.2 | 1365.2 | 1385.8 |
| 22.5° | 1259.4 | 1272.3 | 1287.8 | 1285.2 | 1290.3 | 1305.8 | 1311.0 | 1321.3 | 1326.5 | 1323.9 | 1344.5 |
| 25°   | 1212.9 | 1225.8 | 1238.7 | 1238.7 | 1241.3 | 1259.4 | 1264.5 | 1272.3 | 1280.0 | 1277.4 | 1295.5 |
| 27.5° | 1151.0 | 1163.9 | 1176.8 | 1174.2 | 1176.8 | 1194.9 | 1200.0 | 1207.8 | 1215.5 | 1212.9 | 1231.0 |
| 30°   | 1071.0 | 1083.9 | 1094.2 | 1091.6 | 1094.2 | 1112.3 | 1114.9 | 1125.2 | 1132.9 | 1132.9 | 1148.4 |
| 32.5° | 978.1  | 991.0  | 996.1  | 991.0  | 996.1  | 1009.0 | 1014.2 | 1024.5 | 1029.7 | 1032.3 | 1047.8 |
| 35°   | 872.3  | 880.0  | 882.6  | 877.4  | 877.4  | 890.3  | 895.5  | 905.8  | 911.0  | 913.6  | 926.5  |
| 37.5° | 756.1  | 761.3  | 756.1  | 748.4  | 751.0  | 756.1  | 763.9  | 771.6  | 779.4  | 781.9  | 794.9  |
| 40°   | 642.6  | 640.0  | 632.3  | 619.4  | 616.8  | 624.5  | 629.7  | 637.4  | 642.6  | 647.8  | 655.5  |
| 42.5° | 541.9  | 536.8  | 521.3  | 505.8  | 503.2  | 503.2  | 505.8  | 513.6  | 518.7  | 521.3  | 531.6  |
| 45°   | 461.9  | 451.6  | 428.4  | 410.3  | 400.0  | 402.6  | 402.6  | 407.7  | 410.3  | 415.5  | 423.2  |
| 47.5° | 400.0  | 381.9  | 353.6  | 330.3  | 320.0  | 317.4  | 317.4  | 320.0  | 322.6  | 327.7  | 332.9  |
| 50°   | 351.0  | 327.7  | 294.2  | 268.4  | 255.5  | 250.3  | 250.3  | 247.7  | 252.9  | 255.5  | 260.6  |
| 52.5° | 312.3  | 283.9  | 245.2  | 216.8  | 201.3  | 196.1  | 193.6  | 193.6  | 193.6  | 196.1  | 201.3  |
| 55°   | 276.1  | 245.2  | 203.9  | 175.5  | 157.4  | 152.3  | 147.1  | 144.5  | 147.1  | 149.7  | 152.3  |
| 57.5° | 245.2  | 211.6  | 170.3  | 139.4  | 123.9  | 116.1  | 111.0  | 108.4  | 108.4  | 111.0  | 113.6  |
| 60°   | 214.2  | 180.6  | 139.4  | 111.0  | 95.5   | 87.7   | 82.6   | 80.0   | 80.0   | 82.6   | 82.6   |
| 62.5° | 180.6  | 149.7  | 113.6  | 87.7   | 72.3   | 64.5   | 59.4   | 59.4   | 56.8   | 56.8   | 59.4   |
| 65°   | 152.3  | 123.9  | 92.9   | 69.7   | 54.2   | 49.0   | 43.9   | 41.3   | 41.3   | 38.7   | 41.3   |
| 67.5° | 123.9  | 100.6  | 74.8   | 54.2   | 41.3   | 36.1   | 31.0   | 31.0   | 28.4   | 28.4   | 28.4   |
| 70°   | 98.1   | 80.0   | 59.4   | 41.3   | 33.5   | 25.8   | 23.2   | 20.6   | 20.6   | 20.6   | 20.6   |
| 72.5° | 72.3   | 59.4   | 43.9   | 31.0   | 23.2   | 20.6   | 18.1   | 15.5   | 12.9   | 12.9   | 12.9   |
| 75°   | 51.6   | 41.3   | 31.0   | 23.2   | 18.1   | 15.5   | 12.9   | 10.3   | 10.3   | 10.3   | 10.3   |
| 77.5° | 36.1   | 28.4   | 23.2   | 15.5   | 12.9   | 10.3   | 7.7    | 7.7    | 7.7    | 7.7    | 5.2    |
| 80°   | 23.2   | 18.1   | 15.5   | 10.3   | 7.7    | 7.7    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    |
| 82.5° | 12.9   | 10.3   | 7.7    | 7.7    | 5.2    | 5.2    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 85°   | 5.2    | 5.2    | 5.2    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 87.5° | 2.6    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 | 1440.0 |
| 2.5°  | 1432.3 | 1442.6 | 1442.6 | 1447.8 | 1440.0 | 1445.2 | 1452.9 | 1450.3 | 1442.6 | 1445.2 | 1447.8 |
| 5°    | 1442.6 | 1452.9 | 1455.5 | 1463.2 | 1455.5 | 1463.2 | 1473.6 | 1471.0 | 1463.2 | 1468.4 | 1471.0 |
| 7.5°  | 1442.6 | 1455.5 | 1460.7 | 1468.4 | 1463.2 | 1471.0 | 1483.9 | 1481.3 | 1473.6 | 1478.7 | 1483.9 |
| 10°   | 1437.4 | 1450.3 | 1458.1 | 1465.8 | 1460.7 | 1471.0 | 1481.3 | 1481.3 | 1476.2 | 1481.3 | 1489.1 |
| 12.5° | 1432.3 | 1445.2 | 1452.9 | 1460.7 | 1455.5 | 1468.4 | 1481.3 | 1478.7 | 1476.2 | 1481.3 | 1489.1 |
| 15°   | 1424.5 | 1437.4 | 1445.2 | 1452.9 | 1450.3 | 1463.2 | 1476.2 | 1476.2 | 1471.0 | 1478.7 | 1486.5 |
| 17.5° | 1406.5 | 1419.4 | 1429.7 | 1434.9 | 1432.3 | 1445.2 | 1458.1 | 1458.1 | 1452.9 | 1460.7 | 1468.4 |
| 20°   | 1375.5 | 1388.4 | 1398.7 | 1403.9 | 1401.3 | 1411.6 | 1424.5 | 1427.1 | 1422.0 | 1429.7 | 1437.4 |
| 22.5° | 1336.8 | 1347.1 | 1357.4 | 1362.6 | 1360.0 | 1370.3 | 1383.2 | 1385.8 | 1380.7 | 1388.4 | 1393.6 |
| 25°   | 1290.3 | 1298.1 | 1308.4 | 1313.6 | 1311.0 | 1321.3 | 1334.2 | 1334.2 | 1331.6 | 1336.8 | 1342.0 |
| 27.5° | 1225.8 | 1236.1 | 1243.9 | 1249.1 | 1249.1 | 1256.8 | 1267.1 | 1269.7 | 1267.1 | 1272.3 | 1280.0 |
| 30°   | 1145.8 | 1151.0 | 1161.3 | 1163.9 | 1166.5 | 1174.2 | 1184.5 | 1184.5 | 1182.0 | 1187.1 | 1194.9 |
| 32.5° | 1045.2 | 1052.9 | 1060.7 | 1063.2 | 1065.8 | 1073.6 | 1081.3 | 1083.9 | 1081.3 | 1086.5 | 1094.2 |
| 35°   | 926.5  | 934.2  | 942.0  | 944.5  | 947.1  | 954.9  | 962.6  | 965.2  | 962.6  | 967.8  | 975.5  |
| 37.5° | 794.9  | 800.0  | 807.8  | 810.3  | 815.5  | 820.7  | 825.8  | 831.0  | 828.4  | 833.6  | 838.7  |
| 40°   | 660.7  | 663.2  | 671.0  | 673.6  | 678.7  | 683.9  | 689.0  | 691.6  | 691.6  | 694.2  | 696.8  |
| 42.5° | 534.2  | 539.4  | 544.5  | 547.1  | 552.3  | 554.8  | 560.0  | 562.6  | 562.6  | 565.2  | 567.8  |
| 45°   | 425.8  | 431.0  | 436.1  | 438.7  | 443.9  | 446.5  | 449.0  | 451.6  | 449.0  | 449.0  | 454.2  |
| 47.5° | 335.5  | 340.7  | 345.8  | 348.4  | 351.0  | 353.6  | 356.1  | 356.1  | 356.1  | 358.7  | 358.7  |
| 50°   | 263.2  | 265.8  | 271.0  | 271.0  | 276.1  | 276.1  | 278.7  | 278.7  | 278.7  | 278.7  | 281.3  |
| 52.5° | 203.9  | 206.5  | 211.6  | 211.6  | 214.2  | 216.8  | 216.8  | 216.8  | 216.8  | 219.4  | 216.8  |
| 55°   | 154.8  | 157.4  | 160.0  | 160.0  | 165.2  | 165.2  | 165.2  | 165.2  | 165.2  | 165.2  | 165.2  |
| 57.5° | 116.1  | 118.7  | 121.3  | 121.3  | 121.3  | 123.9  | 121.3  | 123.9  | 123.9  | 123.9  | 123.9  |
| 60°   | 85.2   | 87.7   | 87.7   | 87.7   | 90.3   | 90.3   | 90.3   | 90.3   | 90.3   | 90.3   | 90.3   |
| 62.5° | 59.4   | 59.4   | 61.9   | 61.9   | 61.9   | 64.5   | 61.9   | 61.9   | 64.5   | 64.5   | 61.9   |
| 65°   | 41.3   | 41.3   | 43.9   | 43.9   | 43.9   | 43.9   | 43.9   | 43.9   | 43.9   | 43.9   | 43.9   |
| 67.5° | 28.4   | 28.4   | 28.4   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   | 31.0   |
| 70°   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   | 20.6   |
| 72.5° | 12.9   | 12.9   | 12.9   | 12.9   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   | 15.5   |
| 75°   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   | 10.3   |
| 77.5° | 5.2    | 5.2    | 7.7    | 7.7    | 7.7    | 5.2    | 5.2    | 5.2    | 7.7    | 7.7    | 5.2    |
| 80°   | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    | 5.2    |
| 82.5° | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 85°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 0.0    | 2.6    | 2.6    | 2.6    |
| 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: P136426

CATALOG NUMBER: LD6A20D010TE ERW6A20835 6LW111H

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1440.0 | 1440.0 | 1440.0 | 1440.0 |
| 2.5°  | 1447.8 | 1445.2 | 1447.8 | 1440.0 |
| 5°    | 1471.0 | 1468.4 | 1473.6 | 1463.2 |
| 7.5°  | 1486.5 | 1483.9 | 1489.1 | 1478.7 |
| 10°   | 1489.1 | 1489.1 | 1494.2 | 1483.9 |
| 12.5° | 1489.1 | 1489.1 | 1494.2 | 1483.9 |
| 15°   | 1489.1 | 1486.5 | 1491.6 | 1481.3 |
| 17.5° | 1471.0 | 1471.0 | 1476.2 | 1465.8 |
| 20°   | 1437.4 | 1437.4 | 1442.6 | 1434.9 |
| 22.5° | 1396.2 | 1396.2 | 1398.7 | 1391.0 |
| 25°   | 1344.5 | 1342.0 | 1347.1 | 1342.0 |
| 27.5° | 1280.0 | 1277.4 | 1280.0 | 1274.9 |
| 30°   | 1192.3 | 1189.7 | 1194.9 | 1189.7 |
| 32.5° | 1094.2 | 1089.0 | 1094.2 | 1089.0 |
| 35°   | 972.9  | 967.8  | 972.9  | 970.3  |
| 37.5° | 838.7  | 833.6  | 838.7  | 836.1  |
| 40°   | 696.8  | 694.2  | 699.4  | 696.8  |
| 42.5° | 567.8  | 562.6  | 567.8  | 565.2  |
| 45°   | 454.2  | 449.0  | 454.2  | 451.6  |
| 47.5° | 358.7  | 356.1  | 361.3  | 358.7  |
| 50°   | 281.3  | 278.7  | 281.3  | 281.3  |
| 52.5° | 216.8  | 214.2  | 216.8  | 216.8  |
| 55°   | 165.2  | 162.6  | 165.2  | 165.2  |
| 57.5° | 123.9  | 121.3  | 123.9  | 123.9  |
| 60°   | 90.3   | 90.3   | 90.3   | 90.3   |
| 62.5° | 64.5   | 61.9   | 64.5   | 64.5   |
| 65°   | 43.9   | 43.9   | 43.9   | 43.9   |
| 67.5° | 31.0   | 31.0   | 31.0   | 31.0   |
| 70°   | 20.6   | 20.6   | 20.6   | 20.6   |
| 72.5° | 15.5   | 15.5   | 15.5   | 12.9   |
| 75°   | 10.3   | 10.3   | 10.3   | 10.3   |
| 77.5° | 7.7    | 5.2    | 7.7    | 7.7    |
| 80°   | 5.2    | 5.2    | 5.2    | 5.2    |
| 82.5° | 2.6    | 2.6    | 2.6    | 2.6    |
| 85°   | 2.6    | 2.6    | 2.6    | 2.6    |
| 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)