

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: P136548

Luminaire Tested: **LD6A20D010TE ERW6A20927 6LW121LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P136548  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23360)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6A20D010TE ERW6A20927 6LW121LI  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOUBLE WALL WASH LUMINAIRE  
SPECULAR CLEAR TRIM AND SPECULAR CLEAR KICKER  
Light Source: (1) HIGH LUMEN LED 2700K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2107.7 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.24 / 1.14  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

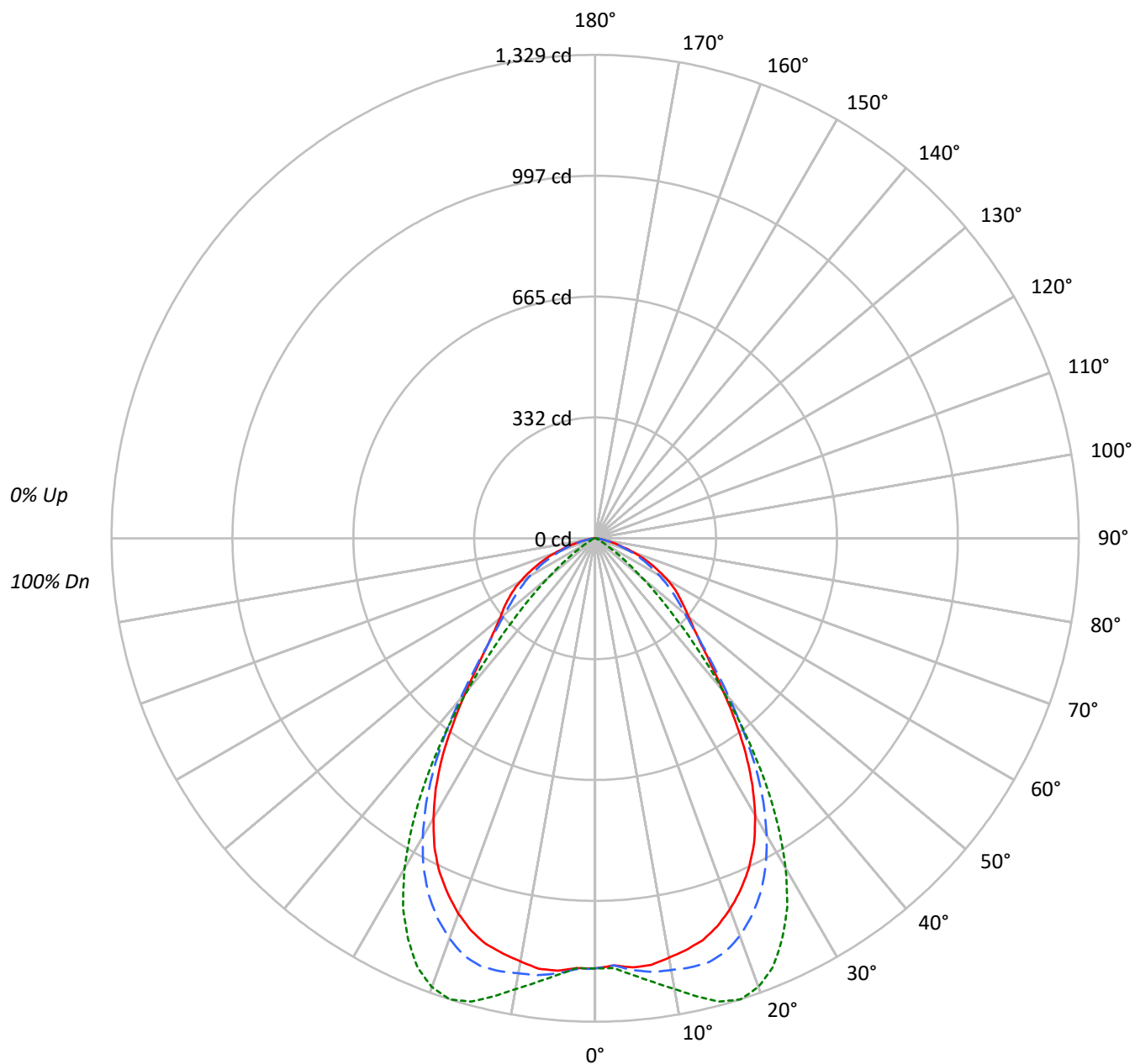
Input Watts (W): 32.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  |     |  |     |     | 0   |
| 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   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 |  | 102 | 99  | 97  |  | 98  | 96  | 94  |  | 94  | 93  | 91  |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  |  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 86  | 83  | 81  |
| 3   | 97  | 88  | 82  | 76  | 94  | 87  | 81  | 76  |  | 84  | 79  | 74  |  | 81  | 77  | 73  |  | 79  | 75  | 72  |
| 4   | 90  | 80  | 73  | 67  | 88  | 79  | 72  | 67  |  | 77  | 71  | 66  |  | 74  | 69  | 65  |  | 72  | 68  | 65  |
| 5   | 84  | 73  | 66  | 60  | 82  | 72  | 65  | 60  |  | 70  | 64  | 59  |  | 68  | 63  | 59  |  | 67  | 62  | 58  |
| 6   | 78  | 67  | 60  | 54  | 77  | 66  | 59  | 54  |  | 65  | 58  | 54  |  | 63  | 57  | 53  |  | 62  | 57  | 53  |
| 7   | 73  | 62  | 54  | 49  | 72  | 61  | 54  | 49  |  | 60  | 53  | 49  |  | 58  | 53  | 48  |  | 57  | 52  | 48  |
| 8   | 69  | 57  | 50  | 45  | 68  | 57  | 50  | 45  |  | 55  | 49  | 44  |  | 54  | 48  | 44  |  | 53  | 48  | 44  |
| 9   | 65  | 53  | 46  | 41  | 64  | 53  | 46  | 41  |  | 52  | 45  | 41  |  | 51  | 45  | 41  |  | 50  | 44  | 40  |
| 10  | 61  | 49  | 42  | 38  | 60  | 49  | 42  | 38  |  | 48  | 42  | 38  |  | 47  | 42  | 37  |  | 46  | 41  | 37  |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 77160 | 77160 | 77160 |
| 5°  | 77553 | 78941 | 78149 |
| 10° | 77555 | 83352 | 78258 |
| 15° | 77241 | 89061 | 78052 |
| 20° | 75308 | 91124 | 76252 |
| 25° | 71999 | 87527 | 72870 |
| 30° | 66256 | 78874 | 66934 |
| 35° | 57431 | 64639 | 58276 |
| 40° | 46509 | 46509 | 47156 |
| 45° | 38004 | 29506 | 38696 |
| 50° | 33991 | 16848 | 34610 |
| 55° | 32087 | 8576  | 33122 |
| 60° | 30115 | 3745  | 30911 |
| 65° | 26321 | 2099  | 27247 |
| 70° | 21307 | 1717  | 22165 |
| 75° | 14822 | 1134  | 15200 |
| 80° | 9092  | 564   | 9092  |
| 85° | 4491  | 1123  | 4491  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 115.0  | 5.5       |
| 10°-20°   | 344.8  | 16.4      |
| 20°-30°   | 501.6  | 23.8      |
| 30°-40°   | 476.6  | 22.6      |
| 40°-50°   | 308.8  | 14.7      |
| 50°-60°   | 193.7  | 9.2       |
| 60°-70°   | 115.9  | 5.5       |
| 70°-80°   | 45.2   | 2.1       |
| 80°-90°   | 6.2    | 0.3       |
| 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°    | 961.3  | 45.6      |
| 0°-40°    | 1438.0 | 68.2      |
| 0°-60°    | 1940.5 | 92.1      |
| 0°-90°    | 2107.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2107.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1183 | 1183 | 1183 | 1183 | 1183 |      |
| 5°  | 1184 | 1192 | 1205 | 1201 | 1193 | 113  |
| 15° | 1144 | 1207 | 1319 | 1217 | 1156 | 321  |
| 25° | 1000 | 1076 | 1216 | 1082 | 1012 | 457  |
| 35° | 721  | 769  | 812  | 772  | 732  | 447  |
| 45° | 412  | 418  | 320  | 419  | 419  | 325  |
| 55° | 282  | 260  | 75   | 262  | 291  | 253  |
| 65° | 170  | 149  | 14   | 152  | 176  | 169  |
| 75° | 59   | 51   | 4    | 53   | 60   | 66   |
| 85° | 6    | 6    | 2    | 6    | 6    | 9    |
| 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°    | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 |
| 2.5°  | 1175.2 | 1167.7 | 1188.8 | 1176.7 | 1178.2 | 1193.3 | 1181.3 | 1176.7 | 1191.8 | 1175.2 | 1182.7 |
| 5°    | 1184.2 | 1178.2 | 1199.3 | 1188.8 | 1190.3 | 1205.4 | 1194.8 | 1190.3 | 1206.9 | 1191.8 | 1199.3 |
| 7.5°  | 1182.7 | 1178.2 | 1197.9 | 1188.8 | 1190.3 | 1208.4 | 1197.9 | 1196.3 | 1215.9 | 1202.4 | 1212.9 |
| 10°   | 1170.7 | 1164.7 | 1185.8 | 1178.2 | 1181.3 | 1200.8 | 1191.8 | 1191.8 | 1214.5 | 1205.4 | 1220.5 |
| 12.5° | 1158.6 | 1152.6 | 1173.7 | 1167.7 | 1170.7 | 1191.8 | 1185.8 | 1188.8 | 1214.5 | 1208.4 | 1228.0 |
| 15°   | 1143.6 | 1137.5 | 1160.2 | 1154.1 | 1157.1 | 1179.7 | 1176.7 | 1179.7 | 1208.4 | 1206.9 | 1229.5 |
| 17.5° | 1117.9 | 1114.9 | 1134.5 | 1131.5 | 1134.5 | 1157.1 | 1155.6 | 1160.2 | 1191.8 | 1191.8 | 1220.5 |
| 20°   | 1084.7 | 1080.1 | 1101.3 | 1098.3 | 1099.8 | 1122.4 | 1122.4 | 1127.0 | 1160.2 | 1163.1 | 1191.8 |
| 22.5° | 1045.5 | 1042.4 | 1063.6 | 1059.0 | 1062.1 | 1083.2 | 1083.2 | 1087.7 | 1119.4 | 1123.9 | 1154.1 |
| 25°   | 1000.2 | 997.2  | 1016.8 | 1015.3 | 1016.8 | 1037.9 | 1036.4 | 1042.4 | 1072.7 | 1075.6 | 1104.3 |
| 27.5° | 945.9  | 941.4  | 961.0  | 961.0  | 962.5  | 982.1  | 982.1  | 985.2  | 1012.3 | 1015.3 | 1042.4 |
| 30°   | 879.5  | 875.0  | 893.1  | 894.6  | 894.6  | 914.3  | 914.3  | 915.7  | 941.4  | 942.9  | 967.0  |
| 32.5° | 804.1  | 804.1  | 817.6  | 819.2  | 819.2  | 837.3  | 838.8  | 838.8  | 861.4  | 861.4  | 881.1  |
| 35°   | 721.1  | 722.7  | 733.2  | 734.6  | 736.2  | 752.8  | 752.8  | 751.2  | 770.9  | 769.4  | 786.0  |
| 37.5° | 632.1  | 632.1  | 642.6  | 644.2  | 644.2  | 659.2  | 659.2  | 657.8  | 674.4  | 669.8  | 681.9  |
| 40°   | 546.1  | 546.1  | 555.1  | 558.2  | 556.7  | 568.8  | 568.8  | 567.2  | 579.3  | 573.3  | 579.3  |
| 42.5° | 470.7  | 473.7  | 479.7  | 481.3  | 479.7  | 490.3  | 488.8  | 487.3  | 496.3  | 487.3  | 488.8  |
| 45°   | 411.9  | 414.9  | 419.4  | 420.9  | 419.4  | 427.0  | 425.4  | 422.4  | 427.0  | 417.9  | 413.3  |
| 47.5° | 368.1  | 369.6  | 377.2  | 375.6  | 374.1  | 380.1  | 380.1  | 374.1  | 375.6  | 363.5  | 354.5  |
| 50°   | 334.9  | 336.4  | 342.4  | 342.4  | 339.5  | 345.5  | 342.4  | 336.4  | 334.9  | 321.3  | 307.8  |
| 52.5° | 307.8  | 309.2  | 315.3  | 315.3  | 312.3  | 316.8  | 313.8  | 304.7  | 303.2  | 289.7  | 273.1  |
| 55°   | 282.1  | 283.6  | 289.7  | 289.7  | 286.6  | 289.7  | 285.1  | 277.6  | 274.6  | 259.5  | 241.4  |
| 57.5° | 259.5  | 258.0  | 262.5  | 262.5  | 259.5  | 261.0  | 258.0  | 250.4  | 244.4  | 230.8  | 212.7  |
| 60°   | 230.8  | 229.3  | 232.3  | 232.3  | 229.3  | 230.8  | 227.8  | 218.8  | 215.7  | 202.2  | 184.0  |
| 62.5° | 199.2  | 199.2  | 202.2  | 202.2  | 199.2  | 199.2  | 197.6  | 188.5  | 185.6  | 173.5  | 158.4  |
| 65°   | 170.5  | 170.5  | 173.5  | 173.5  | 170.5  | 172.0  | 169.0  | 162.9  | 159.9  | 149.4  | 135.8  |
| 67.5° | 141.8  | 141.8  | 143.3  | 143.3  | 141.8  | 141.8  | 140.3  | 135.8  | 131.3  | 123.7  | 111.7  |
| 70°   | 111.7  | 111.7  | 113.1  | 113.1  | 111.7  | 111.7  | 111.7  | 107.1  | 105.6  | 98.1   | 89.0   |
| 72.5° | 83.0   | 83.0   | 84.5   | 84.5   | 84.5   | 86.0   | 84.5   | 81.5   | 78.5   | 73.9   | 66.4   |
| 75°   | 58.8   | 58.8   | 58.8   | 60.3   | 58.8   | 58.8   | 60.3   | 57.3   | 55.8   | 51.3   | 46.7   |
| 77.5° | 39.2   | 39.2   | 39.2   | 39.2   | 39.2   | 40.8   | 39.2   | 39.2   | 37.7   | 34.7   | 31.7   |
| 80°   | 24.2   | 24.2   | 24.2   | 24.2   | 24.2   | 24.2   | 24.2   | 24.2   | 22.6   | 22.6   | 19.6   |
| 82.5° | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 13.6   | 12.1   | 10.6   |
| 85°   | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 4.5    |
| 87.5° | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 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°    | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 |
| 2.5°  | 1181.3 | 1182.7 | 1182.7 | 1187.3 | 1191.8 | 1179.7 | 1185.8 | 1182.7 | 1179.7 | 1191.8 | 1184.2 |
| 5°    | 1200.8 | 1202.4 | 1202.4 | 1208.4 | 1214.5 | 1200.8 | 1206.9 | 1205.4 | 1202.4 | 1212.9 | 1205.4 |
| 7.5°  | 1215.9 | 1220.5 | 1223.5 | 1231.1 | 1238.6 | 1226.5 | 1234.0 | 1231.1 | 1229.5 | 1240.1 | 1229.5 |
| 10°   | 1226.5 | 1235.6 | 1240.1 | 1252.2 | 1262.7 | 1250.6 | 1261.2 | 1258.2 | 1256.7 | 1265.7 | 1253.6 |
| 12.5° | 1238.6 | 1250.6 | 1262.7 | 1276.3 | 1291.4 | 1280.8 | 1294.4 | 1289.9 | 1289.9 | 1297.4 | 1282.3 |
| 15°   | 1246.1 | 1261.2 | 1277.8 | 1297.4 | 1315.5 | 1307.9 | 1323.1 | 1318.6 | 1318.6 | 1324.5 | 1307.9 |
| 17.5° | 1238.6 | 1258.2 | 1277.8 | 1300.4 | 1321.5 | 1317.0 | 1333.6 | 1329.1 | 1327.6 | 1333.6 | 1314.0 |
| 20°   | 1212.9 | 1235.6 | 1258.2 | 1280.8 | 1304.9 | 1302.0 | 1320.0 | 1312.5 | 1314.0 | 1317.0 | 1297.4 |
| 22.5° | 1172.2 | 1196.3 | 1219.0 | 1243.1 | 1265.7 | 1264.2 | 1280.8 | 1276.3 | 1274.8 | 1279.3 | 1258.2 |
| 25°   | 1123.9 | 1145.0 | 1166.1 | 1187.3 | 1209.9 | 1206.9 | 1223.5 | 1215.9 | 1217.4 | 1219.0 | 1200.8 |
| 27.5° | 1059.0 | 1078.6 | 1095.2 | 1113.3 | 1134.5 | 1129.9 | 1146.5 | 1143.6 | 1139.0 | 1140.5 | 1125.4 |
| 30°   | 979.1  | 995.7  | 1007.7 | 1022.9 | 1039.5 | 1034.9 | 1050.0 | 1047.0 | 1044.0 | 1044.0 | 1034.9 |
| 32.5° | 888.5  | 900.6  | 908.2  | 918.8  | 930.9  | 926.3  | 938.3  | 935.4  | 932.3  | 932.3  | 926.3  |
| 35°   | 787.5  | 795.0  | 795.0  | 801.0  | 810.2  | 802.6  | 813.1  | 811.6  | 807.1  | 808.6  | 807.1  |
| 37.5° | 677.4  | 680.3  | 674.4  | 674.4  | 680.3  | 669.8  | 678.9  | 678.9  | 674.4  | 675.8  | 675.8  |
| 40°   | 570.3  | 568.8  | 556.7  | 550.6  | 550.6  | 540.1  | 547.7  | 546.1  | 543.1  | 544.6  | 547.7  |
| 42.5° | 475.2  | 466.2  | 449.6  | 437.5  | 434.4  | 422.4  | 427.0  | 425.4  | 422.4  | 425.4  | 429.9  |
| 45°   | 395.3  | 378.7  | 356.1  | 339.5  | 331.9  | 319.8  | 321.3  | 319.8  | 318.3  | 321.3  | 328.9  |
| 47.5° | 331.9  | 309.2  | 280.6  | 259.5  | 248.9  | 235.4  | 235.4  | 233.8  | 233.8  | 241.4  | 245.9  |
| 50°   | 282.1  | 254.9  | 221.7  | 197.6  | 182.6  | 170.5  | 167.4  | 166.0  | 167.4  | 173.5  | 182.6  |
| 52.5° | 244.4  | 211.2  | 175.0  | 149.4  | 132.8  | 119.2  | 116.2  | 114.7  | 116.2  | 122.2  | 131.3  |
| 55°   | 211.2  | 176.5  | 138.8  | 110.1  | 92.0   | 79.9   | 75.4   | 75.4   | 75.4   | 83.0   | 92.0   |
| 57.5° | 181.0  | 146.3  | 108.6  | 79.9   | 63.3   | 51.3   | 46.7   | 45.3   | 48.3   | 52.8   | 61.9   |
| 60°   | 155.4  | 122.2  | 86.0   | 60.3   | 43.8   | 33.2   | 28.7   | 28.7   | 28.7   | 34.7   | 43.8   |
| 62.5° | 132.8  | 102.6  | 69.4   | 45.3   | 31.7   | 22.6   | 18.1   | 18.1   | 19.6   | 22.6   | 31.7   |
| 65°   | 113.1  | 87.5   | 58.8   | 39.2   | 25.6   | 18.1   | 15.1   | 13.6   | 15.1   | 18.1   | 25.6   |
| 67.5° | 93.5   | 72.4   | 49.8   | 33.2   | 22.6   | 15.1   | 13.6   | 12.1   | 12.1   | 16.6   | 21.1   |
| 70°   | 73.9   | 57.3   | 40.8   | 27.2   | 18.1   | 12.1   | 10.6   | 9.0    | 10.6   | 13.6   | 18.1   |
| 72.5° | 55.8   | 43.8   | 30.1   | 21.1   | 13.6   | 10.6   | 7.6    | 7.6    | 7.6    | 10.6   | 13.6   |
| 75°   | 39.2   | 31.7   | 22.6   | 15.1   | 9.0    | 6.0    | 6.0    | 4.5    | 6.0    | 7.6    | 9.0    |
| 77.5° | 25.6   | 21.1   | 15.1   | 9.0    | 6.0    | 4.5    | 3.0    | 3.0    | 3.0    | 4.5    | 6.0    |
| 80°   | 16.6   | 13.6   | 9.0    | 6.0    | 4.5    | 3.0    | 1.5    | 1.5    | 1.5    | 3.0    | 3.0    |
| 82.5° | 9.0    | 7.6    | 4.5    | 3.0    | 3.0    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 85°   | 4.5    | 3.0    | 3.0    | 1.5    | 1.5    | 1.5    | 0.0    | 1.5    | 1.5    | 1.5    | 1.5    |
| 87.5° | 1.5    | 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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CATALOG NUMBER: LD6A20D010TE ERW6A20927 6LW121LI

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 | 1182.7 |
| 2.5°  | 1185.8 | 1181.3 | 1187.3 | 1191.8 | 1190.3 | 1185.8 | 1193.3 | 1181.3 | 1185.8 | 1181.3 | 1173.7 |
| 5°    | 1206.9 | 1202.4 | 1206.9 | 1209.9 | 1208.4 | 1200.8 | 1206.9 | 1196.3 | 1199.3 | 1193.3 | 1185.8 |
| 7.5°  | 1229.5 | 1223.5 | 1225.0 | 1226.5 | 1222.0 | 1211.4 | 1215.9 | 1202.4 | 1203.9 | 1196.3 | 1187.3 |
| 10°   | 1250.6 | 1241.6 | 1240.1 | 1237.0 | 1228.0 | 1214.5 | 1215.9 | 1199.3 | 1197.9 | 1187.3 | 1176.7 |
| 12.5° | 1277.8 | 1262.7 | 1256.7 | 1250.6 | 1237.0 | 1219.0 | 1215.9 | 1196.3 | 1193.3 | 1181.3 | 1169.2 |
| 15°   | 1297.4 | 1280.8 | 1270.2 | 1258.2 | 1240.1 | 1217.4 | 1211.4 | 1188.8 | 1182.7 | 1169.2 | 1157.1 |
| 17.5° | 1302.0 | 1280.8 | 1265.7 | 1250.6 | 1229.5 | 1202.4 | 1193.3 | 1169.2 | 1161.6 | 1146.5 | 1134.5 |
| 20°   | 1282.3 | 1259.7 | 1243.1 | 1223.5 | 1202.4 | 1170.7 | 1161.6 | 1136.0 | 1127.0 | 1113.3 | 1101.3 |
| 22.5° | 1244.6 | 1219.0 | 1202.4 | 1182.7 | 1161.6 | 1131.5 | 1120.9 | 1096.7 | 1087.7 | 1074.1 | 1062.1 |
| 25°   | 1190.3 | 1166.1 | 1149.5 | 1131.5 | 1111.8 | 1081.7 | 1072.7 | 1050.0 | 1042.4 | 1028.9 | 1016.8 |
| 27.5° | 1114.9 | 1092.2 | 1083.2 | 1065.1 | 1047.0 | 1021.3 | 1012.3 | 992.6  | 985.2  | 976.0  | 962.5  |
| 30°   | 1024.3 | 1004.7 | 1000.2 | 983.6  | 970.0  | 947.4  | 939.9  | 923.3  | 915.7  | 908.2  | 896.1  |
| 32.5° | 920.2  | 905.1  | 905.1  | 891.6  | 882.5  | 864.5  | 858.4  | 844.8  | 838.8  | 832.8  | 822.2  |
| 35°   | 802.6  | 792.0  | 798.1  | 789.0  | 784.4  | 772.5  | 767.8  | 757.3  | 752.8  | 748.3  | 737.7  |
| 37.5° | 677.4  | 669.8  | 681.9  | 683.4  | 683.4  | 672.9  | 669.8  | 663.7  | 660.8  | 656.3  | 647.2  |
| 40°   | 553.7  | 552.2  | 570.3  | 573.3  | 582.3  | 576.2  | 577.8  | 573.3  | 570.3  | 567.2  | 561.2  |
| 42.5° | 439.0  | 445.0  | 467.6  | 481.3  | 490.3  | 490.3  | 494.8  | 493.4  | 491.8  | 488.8  | 484.2  |
| 45°   | 341.0  | 353.0  | 380.1  | 396.7  | 414.9  | 419.4  | 427.0  | 427.0  | 428.5  | 427.0  | 422.4  |
| 47.5° | 261.0  | 279.1  | 310.8  | 336.4  | 356.1  | 365.1  | 375.6  | 378.7  | 380.1  | 380.1  | 377.2  |
| 50°   | 197.6  | 220.3  | 256.5  | 285.1  | 312.3  | 324.4  | 336.4  | 341.0  | 346.9  | 345.5  | 342.4  |
| 52.5° | 149.4  | 175.0  | 214.2  | 248.9  | 277.6  | 291.2  | 304.7  | 310.8  | 316.8  | 316.8  | 315.3  |
| 55°   | 110.1  | 137.3  | 179.5  | 215.7  | 245.9  | 262.5  | 276.0  | 282.1  | 289.7  | 291.2  | 289.7  |
| 57.5° | 79.9   | 107.1  | 147.9  | 187.1  | 215.7  | 233.8  | 247.4  | 253.5  | 261.0  | 262.5  | 262.5  |
| 60°   | 58.8   | 86.0   | 125.2  | 161.4  | 188.5  | 206.7  | 217.2  | 224.8  | 230.8  | 233.8  | 233.8  |
| 62.5° | 45.3   | 69.4   | 105.6  | 138.8  | 162.9  | 178.0  | 188.5  | 194.6  | 200.6  | 202.2  | 203.7  |
| 65°   | 37.7   | 58.8   | 89.0   | 117.6  | 138.8  | 152.4  | 161.4  | 167.4  | 172.0  | 173.5  | 173.5  |
| 67.5° | 31.7   | 49.8   | 73.9   | 96.5   | 114.7  | 125.2  | 132.8  | 137.3  | 141.8  | 143.3  | 143.3  |
| 70°   | 25.6   | 39.2   | 58.8   | 76.9   | 90.5   | 99.6   | 105.6  | 110.1  | 113.1  | 113.1  | 113.1  |
| 72.5° | 19.6   | 30.1   | 43.8   | 57.3   | 67.9   | 75.4   | 79.9   | 81.5   | 84.5   | 84.5   | 84.5   |
| 75°   | 13.6   | 21.1   | 31.7   | 40.8   | 46.7   | 52.8   | 55.8   | 57.3   | 58.8   | 60.3   | 58.8   |
| 77.5° | 9.0    | 13.6   | 19.6   | 25.6   | 31.7   | 34.7   | 36.2   | 37.7   | 39.2   | 39.2   | 39.2   |
| 80°   | 6.0    | 9.0    | 12.1   | 16.6   | 19.6   | 21.1   | 22.6   | 22.6   | 24.2   | 24.2   | 24.2   |
| 82.5° | 3.0    | 4.5    | 7.6    | 9.0    | 10.6   | 12.1   | 12.1   | 12.1   | 13.6   | 13.6   | 12.1   |
| 85°   | 1.5    | 1.5    | 3.0    | 4.5    | 4.5    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    | 1.5    |
| 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: P136548

CATALOG NUMBER: LD6A20D010TE ERW6A20927 6LW121LI

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1182.7 | 1182.7 | 1182.7 | 1182.7 |
| 2.5°  | 1176.7 | 1179.7 | 1167.7 | 1182.7 |
| 5°    | 1187.3 | 1190.3 | 1178.2 | 1193.3 |
| 7.5°  | 1188.8 | 1190.3 | 1178.2 | 1193.3 |
| 10°   | 1178.2 | 1178.2 | 1166.1 | 1181.3 |
| 12.5° | 1169.2 | 1167.7 | 1154.1 | 1169.2 |
| 15°   | 1155.6 | 1154.1 | 1140.5 | 1155.6 |
| 17.5° | 1133.0 | 1131.5 | 1117.9 | 1131.5 |
| 20°   | 1098.3 | 1096.7 | 1084.7 | 1098.3 |
| 22.5° | 1060.6 | 1057.5 | 1045.5 | 1057.5 |
| 25°   | 1016.8 | 1013.8 | 1001.8 | 1012.3 |
| 27.5° | 961.0  | 958.0  | 945.9  | 956.5  |
| 30°   | 894.6  | 890.1  | 881.1  | 888.5  |
| 32.5° | 819.2  | 816.2  | 805.6  | 814.7  |
| 35°   | 736.2  | 731.7  | 724.1  | 731.7  |
| 37.5° | 645.7  | 642.6  | 635.2  | 639.7  |
| 40°   | 558.2  | 556.7  | 550.6  | 553.7  |
| 42.5° | 482.8  | 479.7  | 475.2  | 478.2  |
| 45°   | 422.4  | 420.9  | 416.4  | 419.4  |
| 47.5° | 377.2  | 375.6  | 371.1  | 374.1  |
| 50°   | 344.0  | 342.4  | 339.5  | 341.0  |
| 52.5° | 316.8  | 315.3  | 312.3  | 316.8  |
| 55°   | 292.6  | 291.2  | 286.6  | 291.2  |
| 57.5° | 265.5  | 264.0  | 259.5  | 265.5  |
| 60°   | 235.4  | 235.4  | 230.8  | 236.9  |
| 62.5° | 205.1  | 205.1  | 202.2  | 206.7  |
| 65°   | 176.5  | 175.0  | 173.5  | 176.5  |
| 67.5° | 144.8  | 143.3  | 143.3  | 146.3  |
| 70°   | 114.7  | 113.1  | 113.1  | 116.2  |
| 72.5° | 86.0   | 84.5   | 84.5   | 86.0   |
| 75°   | 60.3   | 58.8   | 58.8   | 60.3   |
| 77.5° | 39.2   | 39.2   | 39.2   | 39.2   |
| 80°   | 24.2   | 24.2   | 24.2   | 24.2   |
| 82.5° | 13.6   | 13.6   | 12.1   | 13.6   |
| 85°   | 6.0    | 6.0    | 6.0    | 6.0    |
| 87.5° | 1.5    | 1.5    | 1.5    | 1.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |



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













(END OF REPORT)