

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: P252748

Luminaire Tested: **LD6B70D010TE EU6B60709040 6LBDW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-9)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B70D010TE EU6B60709040 6LBDW1H
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5742.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.21
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

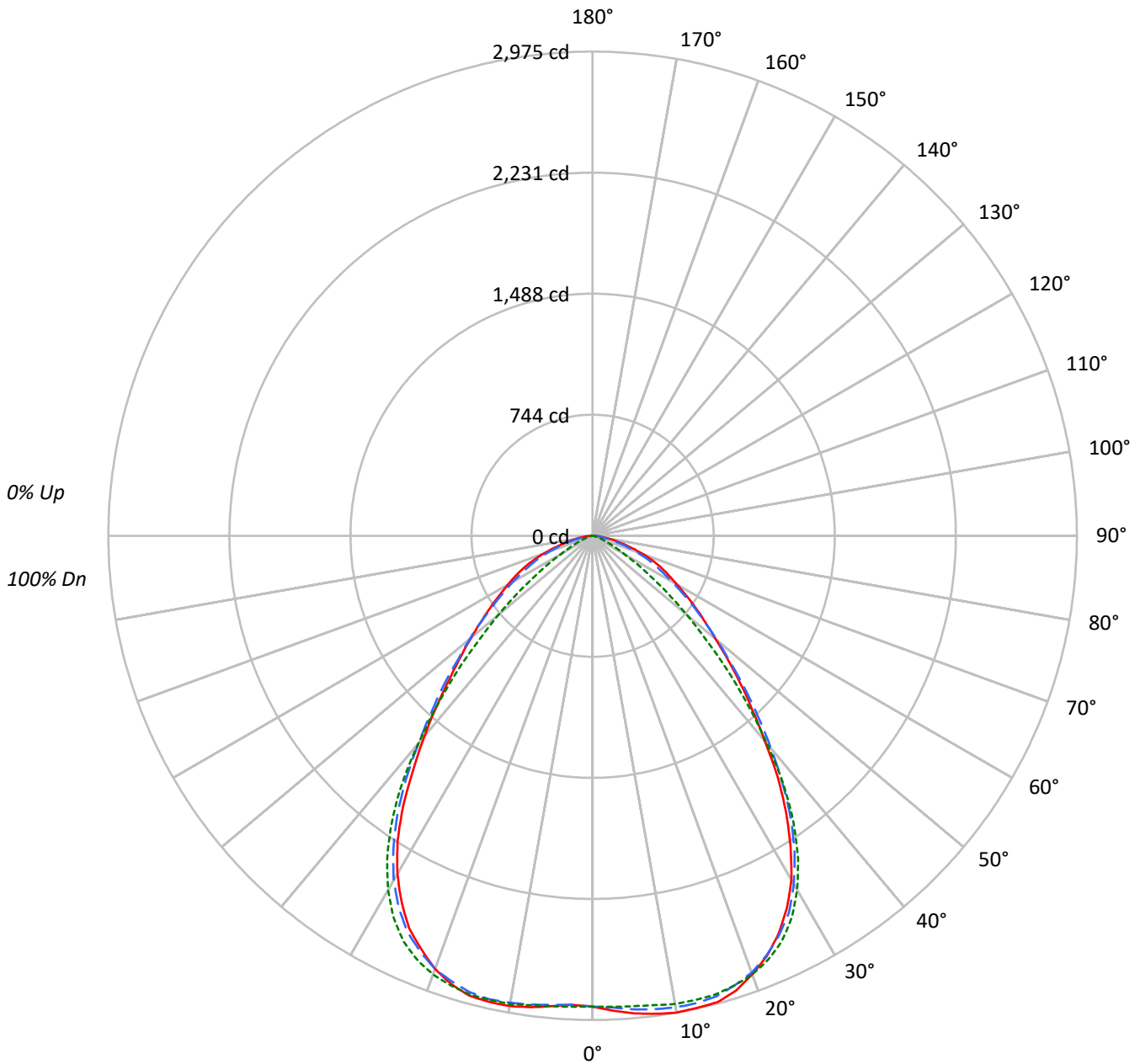
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252748

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Luminous Intensity Polar Plot





TEST NUMBER: P252748

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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 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 | | | | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 84 | 81 | 85 | 82 | 80 | 78 | | | | | | | | | | | | | | | | | | | |
| 3 | 95 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 82 | 77 | 73 | 80 | 75 | 71 | 77 | 74 | 70 | 68 | | | | | | | | | | | | | | | | | | | |
| 4 | 89 | 78 | 71 | 65 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 61 | | | | | | | | | | | | | | | | | | | |
| 5 | 82 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 56 | 65 | 60 | 56 | 54 | | | | | | | | | | | | | | | | | | | |
| 6 | 77 | 65 | 57 | 52 | 75 | 64 | 57 | 51 | 63 | 56 | 51 | 61 | 55 | 51 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 7 | 72 | 60 | 52 | 47 | 70 | 59 | 52 | 46 | 58 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 45 | 44 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 66 | 54 | 47 | 42 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 45 | 41 | 40 | | | | | | | | | | | | | | | | | | | |
| 9 | 63 | 51 | 43 | 38 | 62 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 36 | | | | | | | | | | | | | | | | | | | |
| 10 | 59 | 47 | 40 | 35 | 58 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 188735 | 188735 | 188735 |
| 5° | 192940 | 189993 | 189993 |
| 10° | 197072 | 193547 | 194362 |
| 15° | 200370 | 197054 | 197608 |
| 20° | 199146 | 199146 | 196591 |
| 25° | 194403 | 197937 | 191754 |
| 30° | 184024 | 189268 | 180634 |
| 35° | 164903 | 171418 | 161646 |
| 40° | 140089 | 141835 | 136606 |
| 45° | 118541 | 108355 | 114389 |
| 50° | 100086 | 76417 | 98847 |
| 55° | 87969 | 49331 | 87037 |
| 60° | 77950 | 29371 | 78484 |
| 65° | 72015 | 17691 | 72015 |
| 70° | 62433 | 10148 | 60888 |
| 75° | 49507 | 6201 | 46406 |
| 80° | 36894 | 4621 | 35354 |
| 85° | 33685 | 3069 | 30616 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 278.5 | 4.9 |
| 10°-20° | 824.3 | 14.4 |
| 20°-30° | 1239.7 | 21.6 |
| 30°-40° | 1303.4 | 22.7 |
| 40°-50° | 973.7 | 17.0 |
| 50°-60° | 606.2 | 10.6 |
| 60°-70° | 344.7 | 6.0 |
| 70°-80° | 142.0 | 2.5 |
| 80°-90° | 29.4 | 0.5 |
| 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° | 2342.6 | 40.8 |
| 0°-40° | 3646.0 | 63.5 |
| 0°-60° | 5225.9 | 91.0 |
| 0°-90° | 5742.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5742.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2893 | 2893 | 2893 | 2893 | 2893 | |
| 5° | 2946 | 2922 | 2901 | 2893 | 2901 | 282 |
| 15° | 2967 | 2930 | 2918 | 2905 | 2926 | 834 |
| 25° | 2701 | 2709 | 2750 | 2688 | 2664 | 1236 |
| 35° | 2070 | 2124 | 2152 | 2091 | 2030 | 1285 |
| 45° | 1285 | 1314 | 1174 | 1289 | 1240 | 996 |
| 55° | 773 | 757 | 434 | 745 | 765 | 696 |
| 65° | 466 | 417 | 115 | 417 | 466 | 459 |
| 75° | 196 | 156 | 25 | 151 | 184 | 213 |
| 85° | 45 | 29 | 4 | 25 | 41 | 50 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252748

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBDW1H

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 |
| 2.5° | 2921.6 | 2917.5 | 2921.6 | 2913.4 | 2909.3 | 2909.3 | 2913.4 | 2905.2 | 2901.1 | 2905.2 | 2901.1 |
| 5° | 2946.1 | 2938.0 | 2942.0 | 2938.0 | 2929.8 | 2929.8 | 2933.9 | 2921.6 | 2921.6 | 2925.7 | 2921.6 |
| 7.5° | 2962.5 | 2962.5 | 2962.5 | 2954.3 | 2950.2 | 2946.1 | 2954.3 | 2942.0 | 2938.0 | 2938.0 | 2933.9 |
| 10° | 2974.8 | 2970.7 | 2974.8 | 2966.6 | 2958.4 | 2954.3 | 2962.5 | 2954.3 | 2946.1 | 2954.3 | 2942.0 |
| 12.5° | 2970.7 | 2970.7 | 2970.7 | 2966.6 | 2958.4 | 2954.3 | 2962.5 | 2950.2 | 2946.1 | 2950.2 | 2942.0 |
| 15° | 2966.6 | 2954.3 | 2958.4 | 2954.3 | 2942.0 | 2942.0 | 2946.1 | 2933.9 | 2925.7 | 2938.0 | 2929.8 |
| 17.5° | 2929.8 | 2921.6 | 2925.7 | 2917.5 | 2909.3 | 2905.2 | 2909.3 | 2905.2 | 2897.0 | 2905.2 | 2897.0 |
| 20° | 2868.4 | 2868.4 | 2872.5 | 2864.3 | 2856.1 | 2852.0 | 2860.2 | 2852.0 | 2843.8 | 2856.1 | 2856.1 |
| 22.5° | 2794.7 | 2794.7 | 2794.7 | 2790.6 | 2786.6 | 2786.6 | 2786.6 | 2782.5 | 2778.4 | 2786.6 | 2790.6 |
| 25° | 2700.6 | 2696.5 | 2700.6 | 2704.7 | 2700.6 | 2696.5 | 2700.6 | 2700.6 | 2692.4 | 2708.8 | 2708.8 |
| 27.5° | 2582.0 | 2582.0 | 2590.1 | 2586.1 | 2586.1 | 2582.0 | 2590.1 | 2590.1 | 2586.1 | 2598.3 | 2610.6 |
| 30° | 2442.8 | 2434.7 | 2442.8 | 2442.8 | 2446.9 | 2446.9 | 2451.0 | 2451.0 | 2451.0 | 2463.3 | 2471.5 |
| 32.5° | 2262.8 | 2266.9 | 2279.2 | 2275.1 | 2271.0 | 2283.3 | 2283.3 | 2291.4 | 2295.5 | 2303.7 | 2307.8 |
| 35° | 2070.5 | 2074.6 | 2074.6 | 2078.7 | 2086.8 | 2078.7 | 2099.1 | 2095.0 | 2099.1 | 2115.5 | 2123.7 |
| 37.5° | 1865.9 | 1853.6 | 1874.1 | 1865.9 | 1870.0 | 1870.0 | 1878.2 | 1882.3 | 1894.5 | 1915.0 | 1915.0 |
| 40° | 1644.9 | 1649.0 | 1657.2 | 1661.3 | 1665.4 | 1665.4 | 1665.4 | 1677.7 | 1681.8 | 1706.3 | 1702.2 |
| 42.5° | 1452.6 | 1452.6 | 1460.8 | 1464.9 | 1464.9 | 1464.9 | 1464.9 | 1477.2 | 1485.3 | 1493.5 | 1501.7 |
| 45° | 1284.8 | 1272.6 | 1280.8 | 1280.8 | 1288.9 | 1284.8 | 1293.0 | 1301.2 | 1305.3 | 1317.6 | 1313.5 |
| 47.5° | 1125.3 | 1121.2 | 1125.3 | 1129.4 | 1125.3 | 1129.4 | 1133.4 | 1137.5 | 1141.6 | 1141.6 | 1141.6 |
| 50° | 986.1 | 986.1 | 990.2 | 994.3 | 994.3 | 994.3 | 994.3 | 998.4 | 998.4 | 1006.6 | 998.4 |
| 52.5° | 871.6 | 875.7 | 875.7 | 871.6 | 875.7 | 875.7 | 879.7 | 879.7 | 875.7 | 875.7 | 863.4 |
| 55° | 773.4 | 769.3 | 773.4 | 769.3 | 773.4 | 773.4 | 769.3 | 769.3 | 765.2 | 761.1 | 757.0 |
| 57.5° | 679.2 | 679.2 | 679.2 | 679.2 | 675.2 | 679.2 | 675.2 | 671.1 | 671.1 | 662.9 | 650.6 |
| 60° | 597.4 | 597.4 | 597.4 | 597.4 | 597.4 | 593.3 | 597.4 | 593.3 | 585.1 | 577.0 | 560.6 |
| 62.5° | 527.8 | 523.8 | 527.8 | 523.8 | 523.8 | 519.7 | 519.7 | 515.6 | 507.4 | 499.2 | 482.8 |
| 65° | 466.5 | 470.6 | 466.5 | 466.5 | 462.4 | 458.3 | 458.3 | 454.2 | 441.9 | 433.7 | 417.4 |
| 67.5° | 401.0 | 396.9 | 396.9 | 396.9 | 392.8 | 392.8 | 392.8 | 384.6 | 376.5 | 364.2 | 347.8 |
| 70° | 327.3 | 327.3 | 327.3 | 323.3 | 323.3 | 319.2 | 319.2 | 315.1 | 306.9 | 298.7 | 278.2 |
| 72.5° | 257.8 | 257.8 | 257.8 | 249.6 | 253.7 | 249.6 | 249.6 | 241.4 | 237.3 | 225.1 | 212.8 |
| 75° | 196.4 | 196.4 | 192.3 | 192.3 | 188.2 | 184.1 | 184.1 | 180.0 | 175.9 | 167.8 | 155.5 |
| 77.5° | 143.2 | 143.2 | 143.2 | 139.1 | 135.0 | 130.9 | 130.9 | 126.8 | 122.8 | 118.7 | 110.5 |
| 80° | 98.2 | 98.2 | 98.2 | 98.2 | 94.1 | 90.0 | 90.0 | 85.9 | 85.9 | 81.8 | 73.7 |
| 82.5° | 65.5 | 65.5 | 65.5 | 65.5 | 61.4 | 61.4 | 61.4 | 57.3 | 53.2 | 53.2 | 45.0 |
| 85° | 45.0 | 45.0 | 40.9 | 40.9 | 40.9 | 40.9 | 36.8 | 36.8 | 32.7 | 28.6 | 28.6 |
| 87.5° | 24.6 | 24.6 | 24.6 | 24.6 | 20.5 | 20.5 | 20.5 | 20.5 | 16.4 | 16.4 | 12.3 |
| 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: P252748

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CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 |
| 2.5° | 2913.4 | 2913.4 | 2909.3 | 2897.0 | 2901.1 | 2897.0 | 2901.1 | 2897.0 | 2884.8 | 2897.0 | 2884.8 |
| 5° | 2929.8 | 2933.9 | 2925.7 | 2909.3 | 2913.4 | 2909.3 | 2909.3 | 2905.2 | 2892.9 | 2901.1 | 2892.9 |
| 7.5° | 2946.1 | 2942.0 | 2938.0 | 2921.6 | 2925.7 | 2921.6 | 2921.6 | 2913.4 | 2901.1 | 2909.3 | 2897.0 |
| 10° | 2954.3 | 2954.3 | 2946.1 | 2929.8 | 2929.8 | 2925.7 | 2929.8 | 2925.7 | 2909.3 | 2921.6 | 2913.4 |
| 12.5° | 2954.3 | 2950.2 | 2950.2 | 2929.8 | 2933.9 | 2929.8 | 2933.9 | 2925.7 | 2913.4 | 2921.6 | 2917.5 |
| 15° | 2942.0 | 2942.0 | 2938.0 | 2917.5 | 2921.6 | 2921.6 | 2925.7 | 2917.5 | 2905.2 | 2917.5 | 2909.3 |
| 17.5° | 2917.5 | 2917.5 | 2913.4 | 2897.0 | 2905.2 | 2905.2 | 2909.3 | 2901.1 | 2888.9 | 2897.0 | 2897.0 |
| 20° | 2868.4 | 2872.5 | 2872.5 | 2860.2 | 2868.4 | 2868.4 | 2872.5 | 2868.4 | 2864.3 | 2868.4 | 2860.2 |
| 22.5° | 2811.1 | 2819.3 | 2819.3 | 2807.0 | 2815.2 | 2815.2 | 2827.5 | 2823.4 | 2815.2 | 2819.3 | 2815.2 |
| 25° | 2725.2 | 2733.4 | 2741.5 | 2733.4 | 2741.5 | 2741.5 | 2753.8 | 2749.7 | 2741.5 | 2749.7 | 2737.5 |
| 27.5° | 2627.0 | 2631.1 | 2639.2 | 2631.1 | 2643.3 | 2639.2 | 2651.5 | 2647.4 | 2635.2 | 2647.4 | 2643.3 |
| 30° | 2487.8 | 2504.2 | 2516.5 | 2504.2 | 2516.5 | 2516.5 | 2524.7 | 2520.6 | 2516.5 | 2512.4 | 2512.4 |
| 32.5° | 2332.4 | 2348.7 | 2348.7 | 2344.6 | 2352.8 | 2352.8 | 2356.9 | 2348.7 | 2344.6 | 2348.7 | 2352.8 |
| 35° | 2140.0 | 2148.2 | 2156.4 | 2152.3 | 2156.4 | 2160.5 | 2156.4 | 2160.5 | 2148.2 | 2152.3 | 2152.3 |
| 37.5° | 1931.4 | 1939.5 | 1939.5 | 1927.3 | 1935.4 | 1935.4 | 1927.3 | 1927.3 | 1919.1 | 1927.3 | 1910.9 |
| 40° | 1710.4 | 1702.2 | 1706.3 | 1698.1 | 1689.9 | 1689.9 | 1685.8 | 1669.5 | 1661.3 | 1665.4 | 1669.5 |
| 42.5° | 1493.5 | 1493.5 | 1481.3 | 1460.8 | 1440.3 | 1440.3 | 1428.1 | 1419.9 | 1403.5 | 1411.7 | 1407.6 |
| 45° | 1309.4 | 1288.9 | 1272.6 | 1239.8 | 1227.6 | 1219.4 | 1198.9 | 1178.5 | 1170.3 | 1174.4 | 1170.3 |
| 47.5° | 1133.4 | 1117.1 | 1076.2 | 1031.1 | 1018.9 | 1006.6 | 982.0 | 957.5 | 949.3 | 941.1 | 941.1 |
| 50° | 986.1 | 957.5 | 912.5 | 863.4 | 842.9 | 822.5 | 789.7 | 765.2 | 748.8 | 752.9 | 752.9 |
| 52.5° | 851.1 | 818.4 | 765.2 | 703.8 | 679.2 | 654.7 | 626.1 | 597.4 | 585.1 | 581.0 | 581.0 |
| 55° | 732.4 | 695.6 | 642.4 | 572.9 | 552.4 | 523.8 | 486.9 | 454.2 | 437.8 | 433.7 | 441.9 |
| 57.5° | 626.1 | 593.3 | 531.9 | 462.4 | 437.8 | 409.2 | 372.4 | 343.7 | 323.3 | 319.2 | 323.3 |
| 60° | 540.1 | 495.1 | 441.9 | 376.5 | 343.7 | 319.2 | 278.2 | 253.7 | 233.2 | 225.1 | 229.1 |
| 62.5° | 454.2 | 413.3 | 360.1 | 294.6 | 270.1 | 245.5 | 208.7 | 180.0 | 163.7 | 159.6 | 163.7 |
| 65° | 388.7 | 347.8 | 298.7 | 241.4 | 216.9 | 192.3 | 159.6 | 130.9 | 118.7 | 114.6 | 118.7 |
| 67.5° | 323.3 | 286.4 | 245.5 | 192.3 | 171.9 | 151.4 | 118.7 | 98.2 | 81.8 | 77.7 | 81.8 |
| 70° | 261.9 | 229.1 | 188.2 | 151.4 | 130.9 | 114.6 | 90.0 | 69.6 | 57.3 | 53.2 | 57.3 |
| 72.5° | 196.4 | 171.9 | 143.2 | 110.5 | 98.2 | 85.9 | 65.5 | 49.1 | 40.9 | 36.8 | 40.9 |
| 75° | 143.2 | 122.8 | 102.3 | 77.7 | 69.6 | 61.4 | 45.0 | 32.7 | 28.6 | 24.6 | 28.6 |
| 77.5° | 98.2 | 85.9 | 69.6 | 53.2 | 45.0 | 40.9 | 28.6 | 24.6 | 20.5 | 16.4 | 16.4 |
| 80° | 65.5 | 57.3 | 45.0 | 36.8 | 32.7 | 28.6 | 20.5 | 16.4 | 12.3 | 12.3 | 12.3 |
| 82.5° | 40.9 | 32.7 | 28.6 | 20.5 | 16.4 | 16.4 | 12.3 | 8.2 | 8.2 | 8.2 | 8.2 |
| 85° | 24.6 | 20.5 | 16.4 | 12.3 | 8.2 | 8.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 87.5° | 12.3 | 8.2 | 8.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 0.0 | 0.0 | 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: P252748

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBDW1H

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 |
| 2.5° | 2892.9 | 2884.8 | 2884.8 | 2888.9 | 2892.9 | 2897.0 | 2888.9 | 2884.8 | 2884.8 | 2897.0 | 2888.9 |
| 5° | 2892.9 | 2888.9 | 2888.9 | 2888.9 | 2897.0 | 2901.1 | 2892.9 | 2888.9 | 2892.9 | 2905.2 | 2901.1 |
| 7.5° | 2905.2 | 2897.0 | 2901.1 | 2901.1 | 2905.2 | 2913.4 | 2905.2 | 2901.1 | 2905.2 | 2917.5 | 2909.3 |
| 10° | 2913.4 | 2905.2 | 2909.3 | 2905.2 | 2917.5 | 2921.6 | 2913.4 | 2909.3 | 2913.4 | 2929.8 | 2925.7 |
| 12.5° | 2917.5 | 2913.4 | 2913.4 | 2909.3 | 2921.6 | 2925.7 | 2917.5 | 2913.4 | 2917.5 | 2929.8 | 2925.7 |
| 15° | 2909.3 | 2905.2 | 2905.2 | 2905.2 | 2913.4 | 2921.6 | 2909.3 | 2905.2 | 2905.2 | 2917.5 | 2913.4 |
| 17.5° | 2892.9 | 2884.8 | 2884.8 | 2884.8 | 2888.9 | 2892.9 | 2880.7 | 2876.6 | 2872.5 | 2884.8 | 2880.7 |
| 20° | 2864.3 | 2856.1 | 2847.9 | 2847.9 | 2852.0 | 2852.0 | 2843.8 | 2831.6 | 2831.6 | 2835.7 | 2827.5 |
| 22.5° | 2811.1 | 2807.0 | 2798.8 | 2794.7 | 2802.9 | 2798.8 | 2782.5 | 2770.2 | 2766.1 | 2770.2 | 2762.0 |
| 25° | 2737.5 | 2729.3 | 2725.2 | 2721.1 | 2725.2 | 2721.1 | 2704.7 | 2688.3 | 2688.3 | 2688.3 | 2676.1 |
| 27.5° | 2635.2 | 2627.0 | 2622.9 | 2622.9 | 2627.0 | 2618.8 | 2602.4 | 2586.1 | 2577.9 | 2577.9 | 2565.6 |
| 30° | 2504.2 | 2504.2 | 2500.1 | 2496.0 | 2491.9 | 2491.9 | 2467.4 | 2451.0 | 2442.8 | 2446.9 | 2438.7 |
| 32.5° | 2344.6 | 2340.5 | 2336.4 | 2324.2 | 2328.3 | 2324.2 | 2303.7 | 2291.4 | 2279.2 | 2271.0 | 2266.9 |
| 35° | 2140.0 | 2140.0 | 2135.9 | 2135.9 | 2135.9 | 2131.9 | 2111.4 | 2099.1 | 2090.9 | 2086.8 | 2074.6 |
| 37.5° | 1915.0 | 1910.9 | 1906.8 | 1906.8 | 1906.8 | 1906.8 | 1894.5 | 1882.3 | 1882.3 | 1878.2 | 1870.0 |
| 40° | 1661.3 | 1665.4 | 1669.5 | 1665.4 | 1677.7 | 1689.9 | 1673.6 | 1665.4 | 1661.3 | 1673.6 | 1657.2 |
| 42.5° | 1415.8 | 1411.7 | 1432.1 | 1436.2 | 1436.2 | 1456.7 | 1460.8 | 1464.9 | 1460.8 | 1469.0 | 1469.0 |
| 45° | 1178.5 | 1174.4 | 1194.8 | 1203.0 | 1223.5 | 1248.0 | 1260.3 | 1280.8 | 1288.9 | 1297.1 | 1288.9 |
| 47.5° | 953.4 | 969.8 | 986.1 | 1006.6 | 1023.0 | 1063.9 | 1088.4 | 1108.9 | 1117.1 | 1129.4 | 1129.4 |
| 50° | 765.2 | 781.5 | 810.2 | 826.6 | 847.0 | 896.1 | 937.0 | 965.7 | 982.0 | 994.3 | 990.2 |
| 52.5° | 589.2 | 617.9 | 654.7 | 671.1 | 699.7 | 757.0 | 802.0 | 834.7 | 855.2 | 867.5 | 871.6 |
| 55° | 454.2 | 478.7 | 515.6 | 540.1 | 568.8 | 630.1 | 687.4 | 724.3 | 744.7 | 761.1 | 769.3 |
| 57.5° | 335.5 | 364.2 | 405.1 | 425.6 | 458.3 | 527.8 | 577.0 | 622.0 | 646.5 | 667.0 | 671.1 |
| 60° | 245.5 | 274.2 | 311.0 | 335.5 | 368.3 | 437.8 | 495.1 | 536.0 | 564.7 | 581.0 | 589.2 |
| 62.5° | 175.9 | 204.6 | 241.4 | 266.0 | 294.6 | 356.0 | 413.3 | 454.2 | 482.8 | 503.3 | 515.6 |
| 65° | 126.8 | 155.5 | 192.3 | 212.8 | 237.3 | 294.6 | 347.8 | 388.7 | 417.4 | 441.9 | 450.1 |
| 67.5° | 94.1 | 114.6 | 147.3 | 167.8 | 192.3 | 237.3 | 282.3 | 319.2 | 347.8 | 368.3 | 376.5 |
| 70° | 69.6 | 85.9 | 114.6 | 126.8 | 143.2 | 184.1 | 221.0 | 253.7 | 278.2 | 294.6 | 302.8 |
| 72.5° | 49.1 | 61.4 | 81.8 | 94.1 | 106.4 | 139.1 | 167.8 | 192.3 | 208.7 | 225.1 | 233.2 |
| 75° | 32.7 | 40.9 | 57.3 | 65.5 | 73.7 | 98.2 | 118.7 | 139.1 | 151.4 | 163.7 | 167.8 |
| 77.5° | 20.5 | 28.6 | 40.9 | 45.0 | 53.2 | 65.5 | 81.8 | 94.1 | 102.3 | 110.5 | 118.7 |
| 80° | 12.3 | 16.4 | 24.6 | 28.6 | 32.7 | 45.0 | 53.2 | 61.4 | 69.6 | 77.7 | 81.8 |
| 82.5° | 8.2 | 12.3 | 16.4 | 16.4 | 20.5 | 24.6 | 32.7 | 40.9 | 45.0 | 49.1 | 53.2 |
| 85° | 4.1 | 4.1 | 8.2 | 8.2 | 12.3 | 12.3 | 16.4 | 20.5 | 24.6 | 28.6 | 32.7 |
| 87.5° | 4.1 | 4.1 | 4.1 | 4.1 | 8.2 | 8.2 | 12.3 | 12.3 | 12.3 | 16.4 | 16.4 |
| 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: P252748

CATALOG NUMBER: LD6B70D010TE EU6B60709040 6LBDW1H

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 | 2892.9 |
| 2.5° | 2880.7 | 2892.9 | 2880.7 | 2888.9 | 2884.8 | 2884.8 | 2880.7 | 2884.8 |
| 5° | 2892.9 | 2909.3 | 2892.9 | 2905.2 | 2897.0 | 2897.0 | 2897.0 | 2901.1 |
| 7.5° | 2905.2 | 2921.6 | 2909.3 | 2921.6 | 2917.5 | 2913.4 | 2913.4 | 2921.6 |
| 10° | 2917.5 | 2929.8 | 2921.6 | 2933.9 | 2929.8 | 2925.7 | 2925.7 | 2933.9 |
| 12.5° | 2917.5 | 2933.9 | 2925.7 | 2938.0 | 2933.9 | 2929.8 | 2929.8 | 2933.9 |
| 15° | 2905.2 | 2925.7 | 2913.4 | 2925.7 | 2921.6 | 2917.5 | 2917.5 | 2925.7 |
| 17.5° | 2868.4 | 2884.8 | 2876.6 | 2884.8 | 2884.8 | 2880.7 | 2884.8 | 2888.9 |
| 20° | 2819.3 | 2831.6 | 2823.4 | 2831.6 | 2831.6 | 2823.4 | 2827.5 | 2831.6 |
| 22.5° | 2749.7 | 2762.0 | 2753.8 | 2762.0 | 2757.9 | 2753.8 | 2753.8 | 2749.7 |
| 25° | 2663.8 | 2680.2 | 2667.9 | 2676.1 | 2667.9 | 2659.7 | 2659.7 | 2663.8 |
| 27.5° | 2557.4 | 2569.7 | 2553.3 | 2561.5 | 2553.3 | 2545.1 | 2545.1 | 2541.0 |
| 30° | 2418.3 | 2422.4 | 2410.1 | 2418.3 | 2410.1 | 2406.0 | 2397.8 | 2397.8 |
| 32.5° | 2250.5 | 2254.6 | 2242.3 | 2242.3 | 2234.2 | 2234.2 | 2217.8 | 2230.1 |
| 35° | 2054.1 | 2058.2 | 2054.1 | 2050.0 | 2037.7 | 2033.7 | 2029.6 | 2029.6 |
| 37.5° | 1849.5 | 1849.5 | 1837.2 | 1833.2 | 1825.0 | 1816.8 | 1820.9 | 1808.6 |
| 40° | 1640.8 | 1636.7 | 1624.5 | 1628.6 | 1624.5 | 1612.2 | 1608.1 | 1604.0 |
| 42.5° | 1444.4 | 1444.4 | 1432.1 | 1436.2 | 1428.1 | 1424.0 | 1411.7 | 1415.8 |
| 45° | 1272.6 | 1272.6 | 1260.3 | 1260.3 | 1256.2 | 1243.9 | 1248.0 | 1239.8 |
| 47.5° | 1117.1 | 1117.1 | 1113.0 | 1113.0 | 1100.7 | 1096.6 | 1096.6 | 1096.6 |
| 50° | 982.0 | 982.0 | 982.0 | 982.0 | 978.0 | 973.9 | 969.8 | 973.9 |
| 52.5° | 867.5 | 875.7 | 871.6 | 871.6 | 867.5 | 863.4 | 859.3 | 859.3 |
| 55° | 765.2 | 769.3 | 769.3 | 773.4 | 769.3 | 765.2 | 769.3 | 765.2 |
| 57.5° | 675.2 | 683.3 | 683.3 | 683.3 | 683.3 | 683.3 | 679.2 | 675.2 |
| 60° | 597.4 | 601.5 | 601.5 | 605.6 | 605.6 | 605.6 | 601.5 | 601.5 |
| 62.5° | 519.7 | 527.8 | 531.9 | 531.9 | 536.0 | 531.9 | 531.9 | 531.9 |
| 65° | 458.3 | 466.5 | 470.6 | 466.5 | 470.6 | 470.6 | 466.5 | 466.5 |
| 67.5° | 384.6 | 392.8 | 392.8 | 392.8 | 392.8 | 396.9 | 392.8 | 392.8 |
| 70° | 311.0 | 319.2 | 315.1 | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 |
| 72.5° | 237.3 | 241.4 | 245.5 | 245.5 | 249.6 | 245.5 | 245.5 | 245.5 |
| 75° | 171.9 | 180.0 | 180.0 | 180.0 | 180.0 | 184.1 | 184.1 | 184.1 |
| 77.5° | 122.8 | 126.8 | 126.8 | 130.9 | 130.9 | 130.9 | 130.9 | 135.0 |
| 80° | 85.9 | 85.9 | 90.0 | 90.0 | 94.1 | 94.1 | 94.1 | 94.1 |
| 82.5° | 57.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 85° | 32.7 | 36.8 | 36.8 | 36.8 | 36.8 | 40.9 | 40.9 | 40.9 |
| 87.5° | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 20.5 | 16.4 | 16.4 |
| 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)