

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: P252430

Luminaire Tested: **LD6B70D010TE EU6B60708040 6LBLWW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252430
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-5)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B70D010TE EU6B60708040 6LBLWW1LI
Description: PORTFOLIO 6 INCH LENS WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6639.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.03 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

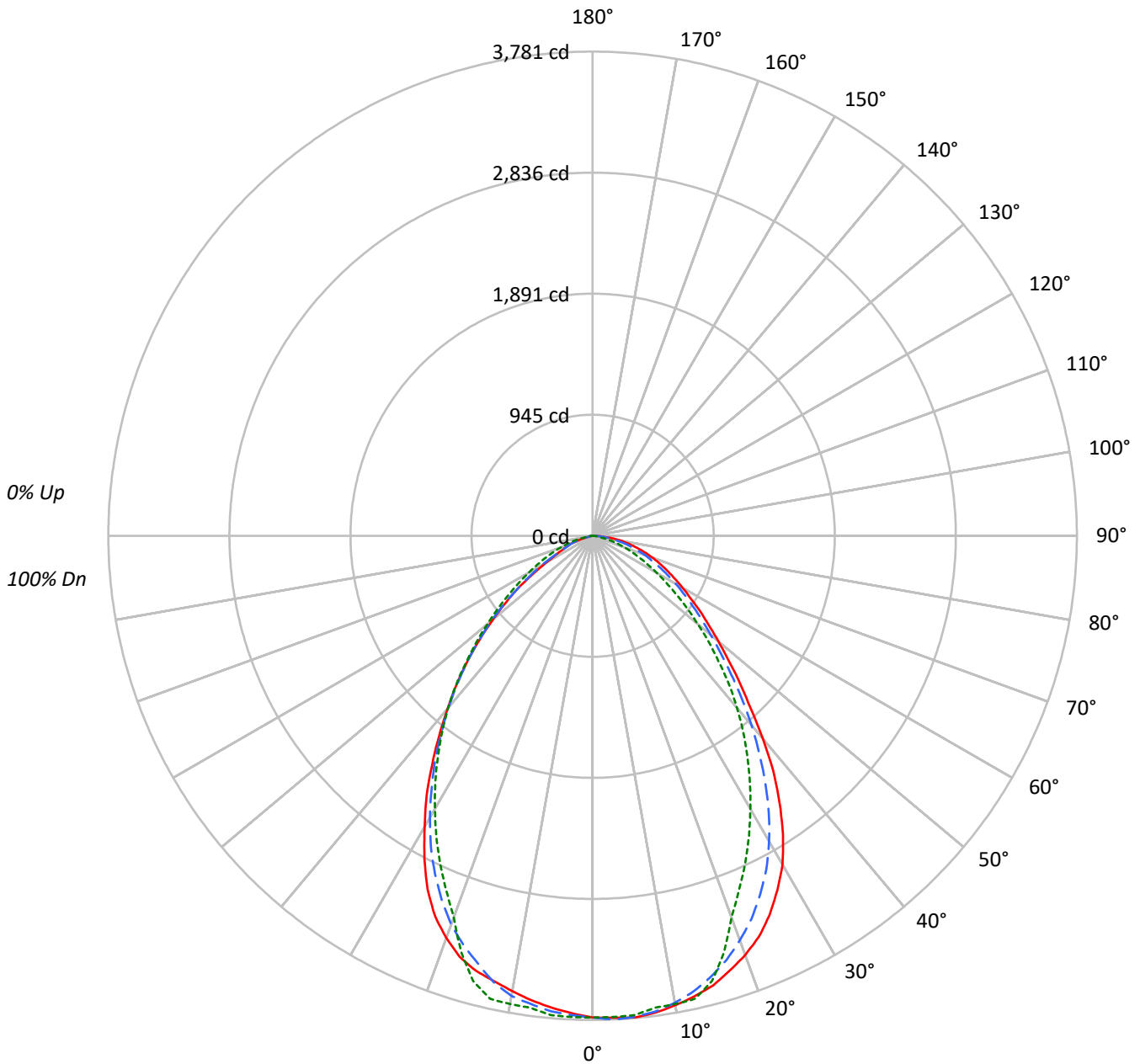
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252430

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Luminous Intensity Polar Plot





TEST NUMBER: P252430

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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 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | | | | | | | | | | | | | | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | | | | | | | | | | | | |
| 3 | 95 | 86 | 80 | 74 | 93 | 85 | 79 | 73 | 82 | 77 | 72 | 79 | 75 | 71 | 77 | 73 | 70 | 68 | | | | | | | | | | | | | | | | | | | |
| 4 | 88 | 78 | 71 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 64 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | | | | | | | | | | | | | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 63 | 57 | 68 | 62 | 57 | 66 | 60 | 56 | 64 | 59 | 55 | 54 | | | | | | | | | | | | | | | | | | | |
| 6 | 77 | 65 | 57 | 51 | 75 | 64 | 57 | 51 | 62 | 56 | 51 | 61 | 55 | 50 | 59 | 54 | 50 | 48 | | | | | | | | | | | | | | | | | | | |
| 7 | 72 | 60 | 52 | 46 | 70 | 59 | 51 | 46 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 49 | 45 | 44 | | | | | | | | | | | | | | | | | | | |
| 8 | 67 | 55 | 47 | 42 | 66 | 54 | 47 | 42 | 53 | 46 | 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 | 40 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 245416 | 245416 | 245416 |
| 5° | 247316 | 246032 | 242195 |
| 10° | 246611 | 245969 | 239172 |
| 15° | 245495 | 243185 | 237572 |
| 20° | 241830 | 220127 | 231999 |
| 25° | 235269 | 202912 | 219446 |
| 30° | 223394 | 185486 | 197630 |
| 35° | 202718 | 167699 | 173919 |
| 40° | 175995 | 149363 | 149781 |
| 45° | 150095 | 128459 | 127112 |
| 50° | 129915 | 108591 | 102643 |
| 55° | 116132 | 90574 | 79461 |
| 60° | 105820 | 75222 | 53550 |
| 65° | 98798 | 61842 | 39967 |
| 70° | 94116 | 50320 | 33553 |
| 75° | 88653 | 35718 | 11091 |
| 80° | 84421 | 18372 | 3682 |
| 85° | 69466 | 11004 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 355.2 | 5.4 |
| 10°-20° | 993.5 | 15.0 |
| 20°-30° | 1371.4 | 20.7 |
| 30°-40° | 1395.5 | 21.0 |
| 40°-50° | 1121.5 | 16.9 |
| 50°-60° | 745.8 | 11.2 |
| 60°-70° | 425.0 | 6.4 |
| 70°-80° | 190.9 | 2.9 |
| 80°-90° | 40.2 | 0.6 |
| 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° | 2720.1 | 41.0 |
| 0°-40° | 4115.7 | 62.0 |
| 0°-60° | 5983.0 | 90.1 |
| 0°-90° | 6639.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6639.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3762 | 3762 | 3762 | 3762 | 3762 | |
| 5° | 3776 | 3772 | 3757 | 3728 | 3698 | 358 |
| 15° | 3635 | 3566 | 3600 | 3459 | 3517 | 1023 |
| 25° | 3268 | 3092 | 2819 | 2912 | 3048 | 1498 |
| 35° | 2545 | 2350 | 2106 | 2145 | 2184 | 1582 |
| 45° | 1627 | 1529 | 1392 | 1378 | 1378 | 1262 |
| 55° | 1021 | 953 | 796 | 708 | 699 | 917 |
| 65° | 640 | 572 | 401 | 259 | 259 | 638 |
| 75° | 352 | 293 | 142 | 59 | 44 | 376 |
| 85° | 93 | 64 | 15 | 5 | 0 | 110 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252430

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 |
| 2.5° | 3766.6 | 3786.1 | 3781.3 | 3776.4 | 3781.3 | 3776.4 | 3766.6 | 3766.6 | 3756.8 | 3756.8 | 3781.3 |
| 5° | 3776.4 | 3786.1 | 3781.3 | 3776.4 | 3776.4 | 3781.3 | 3761.7 | 3761.7 | 3751.9 | 3747.1 | 3771.5 |
| 7.5° | 3756.8 | 3771.5 | 3761.7 | 3761.7 | 3756.8 | 3761.7 | 3742.2 | 3742.2 | 3727.5 | 3722.6 | 3747.1 |
| 10° | 3722.6 | 3742.2 | 3732.4 | 3732.4 | 3732.4 | 3722.6 | 3712.9 | 3708.0 | 3693.3 | 3688.4 | 3703.1 |
| 12.5° | 3683.5 | 3698.2 | 3693.3 | 3683.5 | 3683.5 | 3683.5 | 3664.0 | 3659.1 | 3639.6 | 3629.8 | 3644.5 |
| 15° | 3634.7 | 3644.5 | 3639.6 | 3634.7 | 3624.9 | 3624.9 | 3605.4 | 3595.6 | 3576.1 | 3556.5 | 3566.3 |
| 17.5° | 3561.4 | 3576.1 | 3566.3 | 3561.4 | 3546.8 | 3546.8 | 3527.2 | 3517.4 | 3488.1 | 3468.6 | 3473.5 |
| 20° | 3483.2 | 3488.1 | 3483.2 | 3473.5 | 3458.8 | 3453.9 | 3434.4 | 3414.9 | 3390.4 | 3366.0 | 3361.1 |
| 22.5° | 3390.4 | 3395.3 | 3380.7 | 3370.9 | 3356.2 | 3351.3 | 3326.9 | 3312.3 | 3273.2 | 3243.9 | 3239.0 |
| 25° | 3268.3 | 3273.2 | 3273.2 | 3248.8 | 3239.0 | 3229.2 | 3204.8 | 3180.4 | 3146.2 | 3107.1 | 3092.4 |
| 27.5° | 3121.7 | 3136.4 | 3126.6 | 3102.2 | 3082.7 | 3077.8 | 3053.3 | 3033.8 | 2989.8 | 2955.6 | 2936.1 |
| 30° | 2965.4 | 2960.5 | 2955.6 | 2941.0 | 2911.7 | 2906.8 | 2882.4 | 2857.9 | 2823.7 | 2779.8 | 2755.3 |
| 32.5° | 2765.1 | 2765.1 | 2760.2 | 2745.6 | 2716.2 | 2706.5 | 2686.9 | 2657.6 | 2618.5 | 2584.3 | 2559.9 |
| 35° | 2545.3 | 2550.1 | 2545.3 | 2516.0 | 2496.4 | 2486.6 | 2476.9 | 2442.7 | 2408.5 | 2369.4 | 2349.8 |
| 37.5° | 2315.7 | 2301.0 | 2305.9 | 2281.5 | 2257.0 | 2266.8 | 2237.5 | 2222.8 | 2183.7 | 2154.4 | 2134.9 |
| 40° | 2066.5 | 2076.3 | 2056.7 | 2047.0 | 2032.3 | 2017.6 | 2017.6 | 1993.2 | 1973.7 | 1939.5 | 1929.7 |
| 42.5° | 1822.2 | 1836.9 | 1832.0 | 1822.2 | 1802.7 | 1807.6 | 1783.1 | 1773.4 | 1749.0 | 1734.3 | 1719.6 |
| 45° | 1626.8 | 1626.8 | 1626.8 | 1617.0 | 1612.2 | 1602.4 | 1587.7 | 1573.1 | 1558.4 | 1538.9 | 1529.1 |
| 47.5° | 1436.3 | 1436.3 | 1441.2 | 1431.4 | 1421.6 | 1416.7 | 1407.0 | 1407.0 | 1382.6 | 1363.0 | 1353.2 |
| 50° | 1280.0 | 1280.0 | 1280.0 | 1270.2 | 1260.4 | 1260.4 | 1250.6 | 1240.9 | 1226.2 | 1211.6 | 1201.8 |
| 52.5° | 1138.3 | 1138.3 | 1138.3 | 1128.5 | 1123.6 | 1118.7 | 1113.9 | 1109.0 | 1089.4 | 1079.7 | 1069.9 |
| 55° | 1021.0 | 1016.2 | 1016.2 | 1011.3 | 1001.5 | 1001.5 | 996.6 | 986.8 | 972.2 | 957.5 | 952.6 |
| 57.5° | 903.8 | 908.7 | 903.8 | 903.8 | 894.0 | 894.0 | 884.2 | 879.4 | 864.7 | 854.9 | 845.2 |
| 60° | 811.0 | 811.0 | 811.0 | 806.1 | 796.3 | 801.2 | 791.4 | 786.5 | 771.9 | 757.2 | 747.5 |
| 62.5° | 718.1 | 723.0 | 723.0 | 718.1 | 708.4 | 708.4 | 703.5 | 698.6 | 683.9 | 669.3 | 654.6 |
| 65° | 640.0 | 640.0 | 640.0 | 635.1 | 630.2 | 630.2 | 625.3 | 620.4 | 605.8 | 586.2 | 571.6 |
| 67.5° | 566.7 | 561.8 | 561.8 | 561.8 | 556.9 | 552.0 | 547.2 | 542.3 | 527.6 | 513.0 | 493.4 |
| 70° | 493.4 | 493.4 | 493.4 | 488.5 | 478.8 | 483.6 | 478.8 | 473.9 | 459.2 | 444.6 | 429.9 |
| 72.5° | 425.0 | 425.0 | 420.1 | 415.3 | 415.3 | 410.4 | 410.4 | 405.5 | 390.8 | 371.3 | 356.6 |
| 75° | 351.7 | 351.7 | 351.7 | 351.7 | 342.0 | 346.9 | 337.1 | 332.2 | 322.4 | 307.8 | 293.1 |
| 77.5° | 288.2 | 288.2 | 288.2 | 283.3 | 278.5 | 278.5 | 273.6 | 268.7 | 254.0 | 244.3 | 224.7 |
| 80° | 224.7 | 224.7 | 224.7 | 224.7 | 219.8 | 215.0 | 210.1 | 205.2 | 195.4 | 180.8 | 166.1 |
| 82.5° | 166.1 | 166.1 | 161.2 | 161.2 | 161.2 | 156.3 | 151.4 | 146.6 | 136.8 | 127.0 | 117.2 |
| 85° | 92.8 | 97.7 | 97.7 | 87.9 | 92.8 | 87.9 | 87.9 | 78.2 | 78.2 | 68.4 | 63.5 |
| 87.5° | 34.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 24.4 | 24.4 | 24.4 | 19.5 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 |
| 2.5° | 3761.7 | 3756.8 | 3776.4 | 3776.4 | 3747.1 | 3761.7 | 3766.6 | 3756.8 | 3756.8 | 3761.7 | 3747.1 |
| 5° | 3751.9 | 3742.2 | 3761.7 | 3766.6 | 3737.3 | 3751.9 | 3756.8 | 3747.1 | 3751.9 | 3756.8 | 3737.3 |
| 7.5° | 3717.7 | 3717.7 | 3732.4 | 3737.3 | 3708.0 | 3722.6 | 3722.6 | 3712.9 | 3717.7 | 3717.7 | 3703.1 |
| 10° | 3683.5 | 3668.9 | 3683.5 | 3683.5 | 3659.1 | 3664.0 | 3673.8 | 3668.9 | 3688.4 | 3712.9 | 3712.9 |
| 12.5° | 3620.0 | 3605.4 | 3629.8 | 3629.8 | 3615.2 | 3634.7 | 3659.1 | 3673.8 | 3693.3 | 3703.1 | 3673.8 |
| 15° | 3541.9 | 3546.8 | 3590.7 | 3624.9 | 3610.3 | 3639.6 | 3664.0 | 3654.2 | 3629.8 | 3600.5 | 3556.5 |
| 17.5° | 3439.3 | 3424.6 | 3463.7 | 3483.2 | 3463.7 | 3473.5 | 3493.0 | 3473.5 | 3434.4 | 3410.0 | 3351.3 |
| 20° | 3322.0 | 3282.9 | 3282.9 | 3273.2 | 3239.0 | 3239.0 | 3234.1 | 3199.9 | 3185.2 | 3170.6 | 3146.2 |
| 22.5° | 3190.1 | 3146.2 | 3131.5 | 3102.2 | 3072.9 | 3068.0 | 3053.3 | 3019.1 | 2999.6 | 2989.8 | 2960.5 |
| 25° | 3038.7 | 2999.6 | 2975.2 | 2945.9 | 2901.9 | 2892.1 | 2877.5 | 2843.3 | 2833.5 | 2818.8 | 2794.4 |
| 27.5° | 2882.4 | 2833.5 | 2799.3 | 2770.0 | 2730.9 | 2726.0 | 2696.7 | 2672.3 | 2652.7 | 2643.0 | 2623.4 |
| 30° | 2701.6 | 2647.9 | 2623.4 | 2584.3 | 2555.0 | 2545.3 | 2520.8 | 2486.6 | 2472.0 | 2462.2 | 2447.6 |
| 32.5° | 2501.3 | 2457.3 | 2432.9 | 2398.7 | 2359.6 | 2364.5 | 2335.2 | 2305.9 | 2296.1 | 2286.3 | 2271.7 |
| 35° | 2305.9 | 2261.9 | 2232.6 | 2203.3 | 2178.9 | 2169.1 | 2149.6 | 2125.1 | 2110.5 | 2105.6 | 2095.8 |
| 37.5° | 2090.9 | 2056.7 | 2032.3 | 2003.0 | 1983.4 | 1973.7 | 1963.9 | 1939.5 | 1929.7 | 1929.7 | 1910.2 |
| 40° | 1880.9 | 1851.5 | 1832.0 | 1817.3 | 1792.9 | 1788.0 | 1778.3 | 1763.6 | 1758.7 | 1753.8 | 1739.2 |
| 42.5° | 1690.3 | 1651.2 | 1636.6 | 1626.8 | 1612.2 | 1602.4 | 1597.5 | 1587.7 | 1582.9 | 1578.0 | 1563.3 |
| 45° | 1509.6 | 1475.4 | 1460.7 | 1450.9 | 1436.3 | 1431.4 | 1426.5 | 1411.9 | 1402.1 | 1392.3 | 1387.4 |
| 47.5° | 1333.7 | 1309.3 | 1304.4 | 1280.0 | 1270.2 | 1260.4 | 1250.6 | 1240.9 | 1236.0 | 1231.1 | 1211.6 |
| 50° | 1182.3 | 1167.6 | 1143.2 | 1128.5 | 1118.7 | 1113.9 | 1094.3 | 1079.7 | 1074.8 | 1069.9 | 1055.2 |
| 52.5° | 1045.5 | 1025.9 | 1011.3 | 986.8 | 982.0 | 972.2 | 962.4 | 942.9 | 933.1 | 928.2 | 913.6 |
| 55° | 923.3 | 908.7 | 889.1 | 869.6 | 854.9 | 850.0 | 835.4 | 815.9 | 806.1 | 796.3 | 786.5 |
| 57.5° | 820.7 | 796.3 | 776.8 | 757.2 | 747.5 | 732.8 | 718.1 | 708.4 | 693.7 | 679.1 | 664.4 |
| 60° | 723.0 | 703.5 | 679.1 | 659.5 | 649.8 | 640.0 | 620.4 | 605.8 | 591.1 | 576.5 | 561.8 |
| 62.5° | 630.2 | 610.7 | 586.2 | 566.7 | 556.9 | 547.2 | 527.6 | 513.0 | 498.3 | 483.6 | 464.1 |
| 65° | 547.2 | 527.6 | 508.1 | 488.5 | 478.8 | 469.0 | 449.5 | 429.9 | 415.3 | 400.6 | 381.1 |
| 67.5° | 478.8 | 454.3 | 434.8 | 415.3 | 405.5 | 395.7 | 376.2 | 361.5 | 342.0 | 327.3 | 307.8 |
| 70° | 405.5 | 385.9 | 371.3 | 351.7 | 342.0 | 332.2 | 312.7 | 293.1 | 278.5 | 263.8 | 244.3 |
| 72.5° | 342.0 | 317.5 | 302.9 | 283.3 | 273.6 | 268.7 | 249.2 | 234.5 | 219.8 | 200.3 | 185.6 |
| 75° | 273.6 | 254.0 | 234.5 | 219.8 | 210.1 | 205.2 | 185.6 | 171.0 | 156.3 | 141.7 | 127.0 |
| 77.5° | 210.1 | 195.4 | 175.9 | 161.2 | 151.4 | 146.6 | 127.0 | 112.4 | 97.7 | 87.9 | 73.3 |
| 80° | 156.3 | 136.8 | 127.0 | 112.4 | 107.5 | 97.7 | 87.9 | 73.3 | 63.5 | 48.9 | 39.1 |
| 82.5° | 107.5 | 92.8 | 83.1 | 73.3 | 68.4 | 63.5 | 53.7 | 44.0 | 34.2 | 29.3 | 24.4 |
| 85° | 58.6 | 48.9 | 44.0 | 39.1 | 34.2 | 34.2 | 29.3 | 24.4 | 19.5 | 14.7 | 9.8 |
| 87.5° | 19.5 | 14.7 | 14.7 | 14.7 | 14.7 | 9.8 | 9.8 | 9.8 | 4.9 | 4.9 | 4.9 |
| 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: P252430

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 |
| 2.5° | 3756.8 | 3756.8 | 3756.8 | 3751.9 | 3751.9 | 3751.9 | 3747.1 | 3766.6 | 3747.1 | 3742.2 | 3756.8 |
| 5° | 3751.9 | 3742.2 | 3742.2 | 3742.2 | 3742.2 | 3737.3 | 3732.4 | 3742.2 | 3727.5 | 3722.6 | 3722.6 |
| 7.5° | 3722.6 | 3717.7 | 3717.7 | 3712.9 | 3708.0 | 3703.1 | 3698.2 | 3703.1 | 3688.4 | 3683.5 | 3683.5 |
| 10° | 3727.5 | 3717.7 | 3717.7 | 3703.1 | 3693.3 | 3678.7 | 3664.0 | 3668.9 | 3649.4 | 3634.7 | 3634.7 |
| 12.5° | 3668.9 | 3644.5 | 3629.8 | 3615.2 | 3605.4 | 3600.5 | 3581.0 | 3590.7 | 3571.2 | 3566.3 | 3566.3 |
| 15° | 3537.0 | 3507.7 | 3483.2 | 3473.5 | 3473.5 | 3463.7 | 3449.1 | 3468.6 | 3458.8 | 3463.7 | 3488.1 |
| 17.5° | 3331.8 | 3317.1 | 3302.5 | 3297.6 | 3302.5 | 3312.3 | 3322.0 | 3351.3 | 3351.3 | 3366.0 | 3390.4 |
| 20° | 3151.0 | 3141.3 | 3151.0 | 3151.0 | 3155.9 | 3175.5 | 3195.0 | 3219.4 | 3229.2 | 3243.9 | 3278.1 |
| 22.5° | 2975.2 | 2975.2 | 2984.9 | 2999.6 | 2994.7 | 3028.9 | 3033.8 | 3077.8 | 3077.8 | 3107.1 | 3136.4 |
| 25° | 2804.2 | 2804.2 | 2814.0 | 2818.8 | 2828.6 | 2848.2 | 2867.7 | 2901.9 | 2911.7 | 2941.0 | 2965.4 |
| 27.5° | 2638.1 | 2633.2 | 2633.2 | 2638.1 | 2647.9 | 2672.3 | 2682.1 | 2721.1 | 2735.8 | 2755.3 | 2779.8 |
| 30° | 2452.4 | 2447.6 | 2457.3 | 2467.1 | 2462.2 | 2486.6 | 2501.3 | 2530.6 | 2540.4 | 2559.9 | 2579.5 |
| 32.5° | 2276.6 | 2276.6 | 2276.6 | 2286.3 | 2286.3 | 2305.9 | 2305.9 | 2340.1 | 2340.1 | 2354.7 | 2374.3 |
| 35° | 2095.8 | 2095.8 | 2100.7 | 2105.6 | 2110.5 | 2115.4 | 2120.2 | 2139.8 | 2144.7 | 2149.6 | 2159.3 |
| 37.5° | 1924.8 | 1919.9 | 1924.8 | 1924.8 | 1915.1 | 1934.6 | 1934.6 | 1954.1 | 1939.5 | 1954.1 | 1959.0 |
| 40° | 1749.0 | 1749.0 | 1744.1 | 1744.1 | 1744.1 | 1753.8 | 1744.1 | 1758.7 | 1749.0 | 1758.7 | 1753.8 |
| 42.5° | 1568.2 | 1568.2 | 1558.4 | 1568.2 | 1563.3 | 1563.3 | 1563.3 | 1573.1 | 1558.4 | 1568.2 | 1573.1 |
| 45° | 1387.4 | 1382.6 | 1382.6 | 1377.7 | 1377.7 | 1377.7 | 1382.6 | 1382.6 | 1377.7 | 1387.4 | 1387.4 |
| 47.5° | 1211.6 | 1206.7 | 1206.7 | 1206.7 | 1206.7 | 1211.6 | 1196.9 | 1206.7 | 1196.9 | 1196.9 | 1196.9 |
| 50° | 1060.1 | 1055.2 | 1050.3 | 1045.5 | 1040.6 | 1040.6 | 1035.7 | 1035.7 | 1025.9 | 1021.0 | 1016.2 |
| 52.5° | 913.6 | 908.7 | 898.9 | 898.9 | 894.0 | 889.1 | 874.5 | 874.5 | 859.8 | 854.9 | 854.9 |
| 55° | 781.7 | 767.0 | 762.1 | 752.3 | 752.3 | 742.6 | 732.8 | 723.0 | 708.4 | 698.6 | 698.6 |
| 57.5° | 659.5 | 644.9 | 635.1 | 630.2 | 625.3 | 615.6 | 596.0 | 591.1 | 571.6 | 566.7 | 561.8 |
| 60° | 552.0 | 537.4 | 522.7 | 513.0 | 508.1 | 493.4 | 473.9 | 464.1 | 454.3 | 439.7 | 425.0 |
| 62.5° | 449.5 | 434.8 | 415.3 | 410.4 | 400.6 | 385.9 | 371.3 | 356.6 | 346.9 | 332.2 | 322.4 |
| 65° | 361.5 | 346.9 | 332.2 | 322.4 | 312.7 | 298.0 | 283.3 | 268.7 | 258.9 | 254.0 | 249.2 |
| 67.5° | 293.1 | 273.6 | 258.9 | 254.0 | 244.3 | 234.5 | 219.8 | 215.0 | 205.2 | 205.2 | 205.2 |
| 70° | 229.6 | 215.0 | 200.3 | 195.4 | 190.5 | 180.8 | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 |
| 72.5° | 171.0 | 161.2 | 146.6 | 141.7 | 136.8 | 131.9 | 122.1 | 127.0 | 122.1 | 122.1 | 122.1 |
| 75° | 107.5 | 97.7 | 87.9 | 83.1 | 78.2 | 73.3 | 68.4 | 63.5 | 58.6 | 53.7 | 53.7 |
| 77.5° | 58.6 | 48.9 | 44.0 | 39.1 | 39.1 | 34.2 | 29.3 | 29.3 | 24.4 | 24.4 | 24.4 |
| 80° | 34.2 | 29.3 | 24.4 | 19.5 | 19.5 | 14.7 | 14.7 | 14.7 | 14.7 | 9.8 | 9.8 |
| 82.5° | 19.5 | 14.7 | 9.8 | 9.8 | 9.8 | 9.8 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 85° | 9.8 | 9.8 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 0.0 |
| 87.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 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: P252430

CATALOG NUMBER: LD6B70D010TE EU6B60708040 6LBLWW1LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 | 3761.7 |
| 2.5° | 3732.4 | 3747.1 | 3732.4 | 3747.1 | 3747.1 | 3747.1 | 3747.1 | 3732.4 |
| 5° | 3708.0 | 3717.7 | 3703.1 | 3712.9 | 3717.7 | 3712.9 | 3712.9 | 3698.2 |
| 7.5° | 3664.0 | 3673.8 | 3659.1 | 3673.8 | 3678.7 | 3673.8 | 3668.9 | 3659.1 |
| 10° | 3620.0 | 3624.9 | 3610.3 | 3620.0 | 3629.8 | 3629.8 | 3624.9 | 3610.3 |
| 12.5° | 3551.6 | 3566.3 | 3551.6 | 3561.4 | 3571.2 | 3576.1 | 3576.1 | 3561.4 |
| 15° | 3473.5 | 3497.9 | 3488.1 | 3502.8 | 3517.4 | 3522.3 | 3522.3 | 3517.4 |
| 17.5° | 3395.3 | 3419.7 | 3405.1 | 3429.5 | 3444.2 | 3453.9 | 3458.8 | 3449.1 |
| 20° | 3282.9 | 3312.3 | 3302.5 | 3322.0 | 3341.6 | 3356.2 | 3356.2 | 3341.6 |
| 22.5° | 3136.4 | 3175.5 | 3170.6 | 3185.2 | 3209.7 | 3214.6 | 3224.3 | 3214.6 |
| 25° | 2975.2 | 3004.5 | 2999.6 | 3014.3 | 3043.6 | 3043.6 | 3048.5 | 3048.5 |
| 27.5° | 2789.5 | 2818.8 | 2814.0 | 2823.7 | 2843.3 | 2848.2 | 2853.0 | 2843.3 |
| 30° | 2589.2 | 2603.9 | 2603.9 | 2618.5 | 2633.2 | 2638.1 | 2638.1 | 2623.4 |
| 32.5° | 2369.4 | 2388.9 | 2398.7 | 2393.8 | 2408.5 | 2418.2 | 2413.4 | 2413.4 |
| 35° | 2169.1 | 2174.0 | 2178.9 | 2183.7 | 2188.6 | 2198.4 | 2188.6 | 2183.7 |
| 37.5° | 1954.1 | 1968.8 | 1959.0 | 1968.8 | 1978.6 | 1973.7 | 1968.8 | 1968.8 |
| 40° | 1758.7 | 1763.6 | 1753.8 | 1763.6 | 1768.5 | 1768.5 | 1768.5 | 1758.7 |
| 42.5° | 1563.3 | 1573.1 | 1563.3 | 1573.1 | 1573.1 | 1573.1 | 1573.1 | 1568.2 |
| 45° | 1367.9 | 1377.7 | 1377.7 | 1382.6 | 1382.6 | 1377.7 | 1377.7 | 1377.7 |
| 47.5° | 1187.1 | 1196.9 | 1187.1 | 1196.9 | 1201.8 | 1192.0 | 1192.0 | 1192.0 |
| 50° | 1016.2 | 1011.3 | 1011.3 | 1016.2 | 1016.2 | 1016.2 | 1016.2 | 1011.3 |
| 52.5° | 840.3 | 845.2 | 845.2 | 845.2 | 850.0 | 845.2 | 850.0 | 850.0 |
| 55° | 688.8 | 688.8 | 688.8 | 693.7 | 688.8 | 688.8 | 693.7 | 698.6 |
| 57.5° | 552.0 | 547.2 | 542.3 | 542.3 | 547.2 | 542.3 | 542.3 | 542.3 |
| 60° | 425.0 | 420.1 | 415.3 | 415.3 | 415.3 | 415.3 | 415.3 | 410.4 |
| 62.5° | 317.5 | 317.5 | 317.5 | 322.4 | 322.4 | 322.4 | 322.4 | 327.3 |
| 65° | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 | 254.0 | 258.9 |
| 67.5° | 205.2 | 205.2 | 205.2 | 210.1 | 210.1 | 210.1 | 210.1 | 210.1 |
| 70° | 171.0 | 171.0 | 175.9 | 171.0 | 175.9 | 175.9 | 175.9 | 175.9 |
| 72.5° | 117.2 | 117.2 | 117.2 | 117.2 | 117.2 | 112.4 | 117.2 | 112.4 |
| 75° | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 44.0 |
| 77.5° | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 80° | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 82.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 0.0 | 0.0 | 0.0 |
| 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)