

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: P252635

Luminaire Tested: **LD6B70D010TE EU6B60708027 6LBDW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-8)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B70D010TE EU6B60708027 6LBDW1LI
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6758.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.22 / 1.15
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

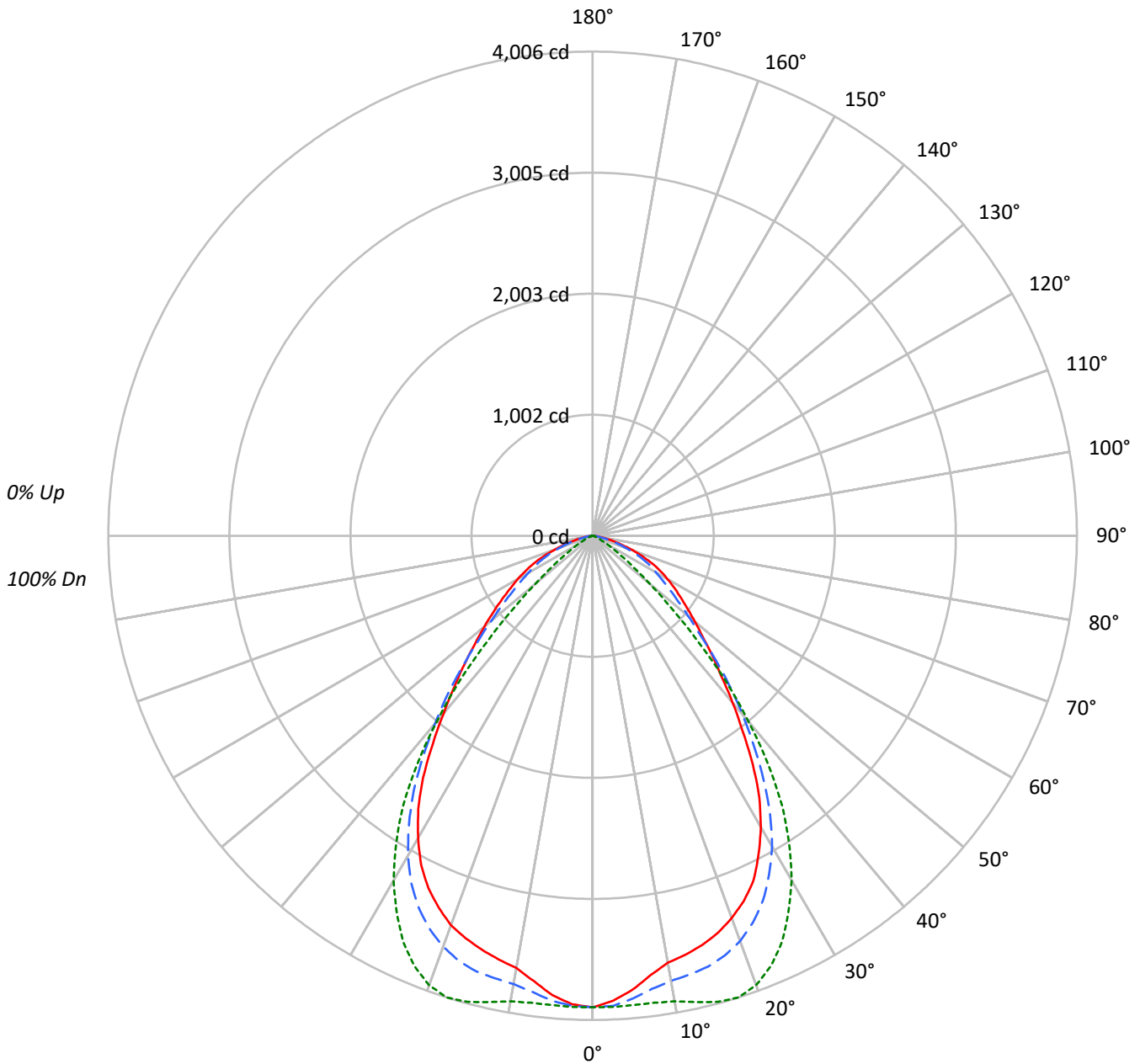
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P252635

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Luminous Intensity Polar Plot





TEST NUMBER: P252635

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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 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 | | | | | | | | | | | | | | | | | | | |
| 2 | 104 | 97 | 92 | 87 | 101 | 95 | 91 | 86 | 92 | 88 | 84 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | | | | | | | | | | | | | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | | | | | | | | | | | | | | | |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 | | | | | | | | | | | | | | | | | | | |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 64 | 59 | 68 | 63 | 58 | 66 | 62 | 58 | 56 | | | | | | | | | | | | | | | | | | | |
| 6 | 78 | 67 | 59 | 54 | 76 | 66 | 59 | 53 | 64 | 58 | 53 | 63 | 57 | 53 | 61 | 56 | 52 | 50 | | | | | | | | | | | | | | | | | | | |
| 7 | 73 | 61 | 54 | 49 | 72 | 61 | 53 | 48 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 51 | 48 | 46 | | | | | | | | | | | | | | | | | | | |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 48 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 42 | | | | | | | | | | | | | | | | | | | |
| 9 | 64 | 53 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 38 | | | | | | | | | | | | | | | | | | | |
| 10 | 61 | 49 | 42 | 37 | 60 | 48 | 42 | 37 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 254549 | 254549 | 254549 |
| 5° | 246956 | 255227 | 249909 |
| 10° | 237562 | 259079 | 240550 |
| 15° | 236721 | 269621 | 239464 |
| 20° | 233624 | 274649 | 238005 |
| 25° | 226638 | 266906 | 231511 |
| 30° | 209660 | 248058 | 217472 |
| 35° | 183938 | 218066 | 194714 |
| 40° | 153281 | 170944 | 163262 |
| 45° | 129013 | 112784 | 137750 |
| 50° | 111707 | 61801 | 118578 |
| 55° | 101073 | 32838 | 103643 |
| 60° | 92994 | 17067 | 92994 |
| 65° | 84256 | 9046 | 82172 |
| 70° | 67965 | 5169 | 62814 |
| 75° | 46608 | 3403 | 43205 |
| 80° | 30507 | 1691 | 27126 |
| 85° | 20286 | 3368 | 16917 |



TEST NUMBER: P252635

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 363.8 | 5.4 |
| 10°-20° | 1052.1 | 15.6 |
| 20°-30° | 1554.4 | 23.0 |
| 30°-40° | 1570.1 | 23.2 |
| 40°-50° | 1082.2 | 16.0 |
| 50°-60° | 621.5 | 9.2 |
| 60°-70° | 361.7 | 5.4 |
| 70°-80° | 132.0 | 2.0 |
| 80°-90° | 20.2 | 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° | 2970.3 | 44.0 |
| 0°-40° | 4540.4 | 67.2 |
| 0°-60° | 6244.1 | 92.4 |
| 0°-90° | 6758.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6758.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3902 | 3902 | 3902 | 3902 | 3902 | |
| 5° | 3771 | 3843 | 3897 | 3861 | 3816 | 354 |
| 15° | 3505 | 3690 | 3992 | 3730 | 3545 | 987 |
| 25° | 3148 | 3333 | 3708 | 3401 | 3216 | 1434 |
| 35° | 2310 | 2467 | 2738 | 2580 | 2445 | 1433 |
| 45° | 1398 | 1416 | 1222 | 1507 | 1493 | 1087 |
| 55° | 889 | 780 | 289 | 812 | 911 | 800 |
| 65° | 546 | 460 | 59 | 456 | 532 | 534 |
| 75° | 185 | 149 | 14 | 144 | 171 | 208 |
| 85° | 27 | 14 | 4 | 18 | 23 | 34 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P252635

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 |
| 2.5° | 3852.1 | 3856.6 | 3861.1 | 3856.6 | 3861.1 | 3879.2 | 3865.6 | 3874.7 | 3874.7 | 3879.2 | 3892.7 |
| 5° | 3770.9 | 3770.9 | 3779.9 | 3775.4 | 3789.0 | 3807.0 | 3793.5 | 3807.0 | 3811.5 | 3820.5 | 3843.1 |
| 7.5° | 3667.2 | 3667.2 | 3671.7 | 3671.7 | 3689.7 | 3707.8 | 3698.7 | 3716.8 | 3734.8 | 3752.9 | 3779.9 |
| 10° | 3586.0 | 3595.0 | 3595.0 | 3599.5 | 3617.6 | 3640.1 | 3635.6 | 3658.2 | 3676.2 | 3703.3 | 3739.3 |
| 12.5° | 3549.9 | 3554.4 | 3554.4 | 3563.4 | 3581.5 | 3604.0 | 3599.5 | 3622.1 | 3649.1 | 3680.7 | 3716.8 |
| 15° | 3504.8 | 3513.8 | 3509.3 | 3518.3 | 3536.4 | 3558.9 | 3554.4 | 3577.0 | 3608.5 | 3640.1 | 3689.7 |
| 17.5° | 3446.2 | 3450.7 | 3455.2 | 3455.2 | 3473.2 | 3491.3 | 3491.3 | 3513.8 | 3549.9 | 3586.0 | 3640.1 |
| 20° | 3365.0 | 3374.0 | 3374.0 | 3378.5 | 3392.0 | 3419.1 | 3414.6 | 3437.1 | 3473.2 | 3509.3 | 3567.9 |
| 22.5° | 3270.2 | 3274.7 | 3274.7 | 3279.3 | 3301.8 | 3315.3 | 3319.9 | 3337.9 | 3369.5 | 3410.1 | 3464.2 |
| 25° | 3148.4 | 3153.0 | 3148.4 | 3162.0 | 3171.0 | 3198.1 | 3189.0 | 3211.6 | 3247.7 | 3279.3 | 3333.4 |
| 27.5° | 2972.5 | 2981.6 | 2981.6 | 2986.1 | 3008.6 | 3031.2 | 3031.2 | 3053.7 | 3085.3 | 3107.9 | 3162.0 |
| 30° | 2783.1 | 2796.6 | 2783.1 | 2805.6 | 2814.7 | 2832.7 | 2846.2 | 2859.8 | 2886.8 | 2918.4 | 2968.0 |
| 32.5° | 2566.6 | 2562.1 | 2566.6 | 2575.6 | 2602.7 | 2616.2 | 2625.2 | 2638.7 | 2665.8 | 2692.9 | 2733.5 |
| 35° | 2309.5 | 2318.5 | 2323.0 | 2341.0 | 2341.0 | 2363.6 | 2368.1 | 2377.1 | 2417.7 | 2435.8 | 2467.3 |
| 37.5° | 2038.8 | 2047.8 | 2052.4 | 2061.4 | 2079.4 | 2088.4 | 2102.0 | 2115.5 | 2142.6 | 2174.1 | 2192.2 |
| 40° | 1799.8 | 1799.8 | 1804.3 | 1813.3 | 1826.8 | 1831.3 | 1844.9 | 1862.9 | 1880.9 | 1908.0 | 1926.1 |
| 42.5° | 1574.2 | 1578.7 | 1574.2 | 1583.2 | 1596.8 | 1614.8 | 1610.3 | 1632.9 | 1637.4 | 1655.4 | 1668.9 |
| 45° | 1398.3 | 1398.3 | 1389.3 | 1398.3 | 1398.3 | 1416.4 | 1411.8 | 1420.9 | 1416.4 | 1425.4 | 1416.4 |
| 47.5° | 1231.4 | 1235.9 | 1231.4 | 1235.9 | 1235.9 | 1235.9 | 1240.4 | 1231.4 | 1235.9 | 1222.4 | 1195.3 |
| 50° | 1100.6 | 1105.1 | 1096.1 | 1100.6 | 1096.1 | 1091.6 | 1096.1 | 1082.6 | 1078.1 | 1060.0 | 1032.9 |
| 52.5° | 987.8 | 983.3 | 978.8 | 978.8 | 978.8 | 974.3 | 969.8 | 956.3 | 942.7 | 924.7 | 893.1 |
| 55° | 888.6 | 884.1 | 879.6 | 879.6 | 870.6 | 866.0 | 866.0 | 852.5 | 839.0 | 816.4 | 780.3 |
| 57.5° | 798.4 | 793.9 | 789.4 | 789.4 | 784.9 | 775.8 | 775.8 | 762.3 | 744.3 | 717.2 | 685.6 |
| 60° | 712.7 | 712.7 | 712.7 | 708.2 | 708.2 | 699.2 | 699.2 | 685.6 | 667.6 | 640.5 | 604.4 |
| 62.5° | 636.0 | 631.5 | 631.5 | 631.5 | 631.5 | 627.0 | 622.5 | 613.5 | 595.4 | 568.3 | 536.8 |
| 65° | 545.8 | 545.8 | 545.8 | 545.8 | 541.3 | 541.3 | 541.3 | 527.7 | 518.7 | 491.7 | 460.1 |
| 67.5° | 446.6 | 446.6 | 446.6 | 446.6 | 442.0 | 446.6 | 446.6 | 437.5 | 428.5 | 401.4 | 374.4 |
| 70° | 356.3 | 351.8 | 347.3 | 351.8 | 347.3 | 347.3 | 351.8 | 342.8 | 338.3 | 315.7 | 288.7 |
| 72.5° | 261.6 | 266.1 | 261.6 | 261.6 | 261.6 | 257.1 | 261.6 | 257.1 | 248.1 | 230.0 | 212.0 |
| 75° | 184.9 | 189.4 | 189.4 | 184.9 | 184.9 | 184.9 | 180.4 | 180.4 | 171.4 | 157.9 | 148.9 |
| 77.5° | 126.3 | 126.3 | 126.3 | 126.3 | 121.8 | 121.8 | 121.8 | 117.3 | 112.8 | 103.7 | 94.7 |
| 80° | 81.2 | 81.2 | 81.2 | 81.2 | 76.7 | 76.7 | 76.7 | 72.2 | 72.2 | 63.1 | 54.1 |
| 82.5° | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 45.1 | 45.1 | 40.6 | 36.1 | 31.6 |
| 85° | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 22.6 | 22.6 | 18.0 | 13.5 |
| 87.5° | 9.0 | 9.0 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 9.0 | 9.0 | 9.0 |
| 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):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 |
| 2.5° | 3883.7 | 3888.2 | 3888.2 | 3888.2 | 3901.7 | 3906.2 | 3892.7 | 3879.2 | 3906.2 | 3901.7 | 3910.8 |
| 5° | 3838.6 | 3852.1 | 3861.1 | 3865.6 | 3879.2 | 3888.2 | 3874.7 | 3870.2 | 3892.7 | 3897.2 | 3901.7 |
| 7.5° | 3784.5 | 3807.0 | 3829.6 | 3838.6 | 3856.6 | 3865.6 | 3861.1 | 3861.1 | 3888.2 | 3897.2 | 3897.2 |
| 10° | 3748.4 | 3779.9 | 3807.0 | 3829.6 | 3852.1 | 3865.6 | 3865.6 | 3870.2 | 3901.7 | 3910.8 | 3919.8 |
| 12.5° | 3739.3 | 3779.9 | 3816.0 | 3847.6 | 3865.6 | 3888.2 | 3892.7 | 3906.2 | 3937.8 | 3951.3 | 3951.3 |
| 15° | 3716.8 | 3770.9 | 3816.0 | 3856.6 | 3883.7 | 3910.8 | 3919.8 | 3946.8 | 3982.9 | 3991.9 | 4001.0 |
| 17.5° | 3676.2 | 3730.3 | 3784.5 | 3834.1 | 3870.2 | 3892.7 | 3919.8 | 3946.8 | 3991.9 | 4005.5 | 4010.0 |
| 20° | 3604.0 | 3667.2 | 3721.3 | 3770.9 | 3807.0 | 3838.6 | 3865.6 | 3897.2 | 3937.8 | 3955.9 | 3960.4 |
| 22.5° | 3495.8 | 3558.9 | 3613.0 | 3667.2 | 3703.3 | 3730.3 | 3757.4 | 3793.5 | 3834.1 | 3852.1 | 3852.1 |
| 25° | 3365.0 | 3423.6 | 3482.2 | 3522.8 | 3558.9 | 3590.5 | 3604.0 | 3644.6 | 3685.2 | 3707.8 | 3707.8 |
| 27.5° | 3198.1 | 3252.2 | 3306.3 | 3351.4 | 3374.0 | 3401.0 | 3423.6 | 3459.7 | 3491.3 | 3509.3 | 3527.3 |
| 30° | 2986.1 | 3040.2 | 3089.8 | 3134.9 | 3162.0 | 3189.0 | 3211.6 | 3238.7 | 3270.2 | 3292.8 | 3297.3 |
| 32.5° | 2756.0 | 2801.1 | 2850.7 | 2895.9 | 2922.9 | 2931.9 | 2954.5 | 2981.6 | 3008.6 | 3026.7 | 3031.2 |
| 35° | 2503.4 | 2535.0 | 2566.6 | 2607.2 | 2634.2 | 2634.2 | 2656.8 | 2674.8 | 2697.4 | 2738.0 | 2729.0 |
| 37.5° | 2205.7 | 2250.8 | 2273.4 | 2286.9 | 2305.0 | 2323.0 | 2327.5 | 2350.1 | 2377.1 | 2386.1 | 2399.7 |
| 40° | 1926.1 | 1939.6 | 1953.1 | 1953.1 | 1971.2 | 1971.2 | 1971.2 | 1975.7 | 2002.7 | 2007.2 | 2025.3 |
| 42.5° | 1646.4 | 1646.4 | 1632.9 | 1619.3 | 1623.8 | 1619.3 | 1596.8 | 1596.8 | 1610.3 | 1628.4 | 1628.4 |
| 45° | 1384.8 | 1353.2 | 1312.6 | 1281.0 | 1258.5 | 1249.5 | 1222.4 | 1222.4 | 1217.9 | 1222.4 | 1240.4 |
| 47.5° | 1163.8 | 1109.6 | 1042.0 | 978.8 | 956.3 | 938.2 | 897.6 | 879.6 | 870.6 | 875.1 | 884.1 |
| 50° | 978.8 | 920.2 | 843.5 | 766.8 | 726.2 | 703.7 | 654.0 | 622.5 | 618.0 | 608.9 | 627.0 |
| 52.5° | 843.5 | 771.3 | 690.1 | 599.9 | 559.3 | 523.2 | 469.1 | 442.0 | 424.0 | 424.0 | 428.5 |
| 55° | 726.2 | 649.5 | 559.3 | 469.1 | 428.5 | 401.4 | 347.3 | 311.2 | 293.2 | 288.7 | 302.2 |
| 57.5° | 627.0 | 554.8 | 464.6 | 374.4 | 333.8 | 302.2 | 248.1 | 216.5 | 203.0 | 194.0 | 198.5 |
| 60° | 550.3 | 478.1 | 387.9 | 302.2 | 266.1 | 230.0 | 184.9 | 148.9 | 130.8 | 130.8 | 135.3 |
| 62.5° | 478.1 | 410.5 | 329.3 | 248.1 | 216.5 | 184.9 | 135.3 | 103.7 | 90.2 | 85.7 | 90.2 |
| 65° | 406.0 | 342.8 | 275.2 | 207.5 | 175.9 | 148.9 | 108.3 | 81.2 | 63.1 | 58.6 | 63.1 |
| 67.5° | 329.3 | 279.7 | 221.0 | 166.9 | 139.8 | 117.3 | 81.2 | 58.6 | 45.1 | 40.6 | 45.1 |
| 70° | 257.1 | 212.0 | 166.9 | 121.8 | 103.7 | 85.7 | 58.6 | 45.1 | 31.6 | 27.1 | 31.6 |
| 72.5° | 184.9 | 153.4 | 117.3 | 85.7 | 72.2 | 58.6 | 40.6 | 31.6 | 22.6 | 18.0 | 22.6 |
| 75° | 126.3 | 103.7 | 76.7 | 54.1 | 45.1 | 40.6 | 27.1 | 18.0 | 13.5 | 13.5 | 13.5 |
| 77.5° | 81.2 | 63.1 | 49.6 | 36.1 | 27.1 | 22.6 | 13.5 | 9.0 | 9.0 | 9.0 | 9.0 |
| 80° | 45.1 | 36.1 | 27.1 | 18.0 | 13.5 | 13.5 | 9.0 | 9.0 | 4.5 | 4.5 | 4.5 |
| 82.5° | 27.1 | 18.0 | 13.5 | 9.0 | 9.0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 85° | 13.5 | 9.0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| 87.5° | 4.5 | 4.5 | 4.5 | 4.5 | 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: P252635

CATALOG NUMBER: LD6B70D010TE EU6B60708027 6LBDW1LI

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 |
| 2.5° | 3892.7 | 3897.2 | 3883.7 | 3901.7 | 3888.2 | 3906.2 | 3906.2 | 3888.2 | 3892.7 | 3883.7 | 3901.7 |
| 5° | 3883.7 | 3883.7 | 3874.7 | 3888.2 | 3870.2 | 3888.2 | 3883.7 | 3852.1 | 3861.1 | 3843.1 | 3861.1 |
| 7.5° | 3883.7 | 3874.7 | 3861.1 | 3874.7 | 3852.1 | 3865.6 | 3847.6 | 3816.0 | 3807.0 | 3784.5 | 3784.5 |
| 10° | 3897.2 | 3883.7 | 3865.6 | 3870.2 | 3847.6 | 3852.1 | 3825.0 | 3779.9 | 3766.4 | 3739.3 | 3730.3 |
| 12.5° | 3928.8 | 3915.3 | 3888.2 | 3897.2 | 3865.6 | 3865.6 | 3829.6 | 3775.4 | 3748.4 | 3712.3 | 3703.3 |
| 15° | 3973.9 | 3951.3 | 3919.8 | 3924.3 | 3892.7 | 3874.7 | 3829.6 | 3766.4 | 3730.3 | 3680.7 | 3667.2 |
| 17.5° | 3982.9 | 3960.4 | 3919.8 | 3919.8 | 3879.2 | 3856.6 | 3802.5 | 3730.3 | 3685.2 | 3635.6 | 3608.5 |
| 20° | 3933.3 | 3910.8 | 3865.6 | 3861.1 | 3825.0 | 3793.5 | 3734.8 | 3662.7 | 3617.6 | 3563.4 | 3540.9 |
| 22.5° | 3829.6 | 3802.5 | 3761.9 | 3757.4 | 3721.3 | 3703.3 | 3640.1 | 3567.9 | 3522.8 | 3468.7 | 3450.7 |
| 25° | 3676.2 | 3662.7 | 3622.1 | 3617.6 | 3586.0 | 3563.4 | 3509.3 | 3441.6 | 3401.0 | 3346.9 | 3328.9 |
| 27.5° | 3495.8 | 3482.2 | 3441.6 | 3441.6 | 3405.6 | 3392.0 | 3342.4 | 3279.3 | 3247.7 | 3198.1 | 3175.5 |
| 30° | 3279.3 | 3261.2 | 3238.7 | 3234.2 | 3202.6 | 3189.0 | 3143.9 | 3085.3 | 3053.7 | 3013.1 | 3004.1 |
| 32.5° | 3022.1 | 3008.6 | 2995.1 | 2990.6 | 2959.0 | 2945.5 | 2913.9 | 2855.3 | 2828.2 | 2792.1 | 2778.6 |
| 35° | 2724.4 | 2715.4 | 2701.9 | 2697.4 | 2683.8 | 2670.3 | 2638.7 | 2593.6 | 2580.1 | 2553.0 | 2539.5 |
| 37.5° | 2381.6 | 2390.7 | 2381.6 | 2381.6 | 2368.1 | 2372.6 | 2345.5 | 2318.5 | 2305.0 | 2286.9 | 2277.9 |
| 40° | 2011.8 | 2029.8 | 2043.3 | 2043.3 | 2038.8 | 2056.9 | 2052.4 | 2029.8 | 2025.3 | 2016.3 | 2011.8 |
| 42.5° | 1637.4 | 1646.4 | 1673.5 | 1691.5 | 1687.0 | 1732.1 | 1736.6 | 1754.7 | 1768.2 | 1759.2 | 1763.7 |
| 45° | 1244.9 | 1272.0 | 1308.1 | 1326.1 | 1348.7 | 1407.3 | 1438.9 | 1475.0 | 1506.6 | 1524.6 | 1520.1 |
| 47.5° | 897.6 | 929.2 | 969.8 | 996.9 | 1037.5 | 1109.6 | 1190.8 | 1235.9 | 1281.0 | 1303.6 | 1326.1 |
| 50° | 649.5 | 681.1 | 730.7 | 771.3 | 798.4 | 897.6 | 983.3 | 1042.0 | 1091.6 | 1123.2 | 1145.7 |
| 52.5° | 455.6 | 491.7 | 545.8 | 581.9 | 622.5 | 717.2 | 816.4 | 884.1 | 938.2 | 978.8 | 1001.4 |
| 55° | 315.7 | 356.3 | 406.0 | 442.0 | 487.2 | 586.4 | 681.1 | 753.3 | 811.9 | 848.0 | 875.1 |
| 57.5° | 221.0 | 257.1 | 306.7 | 338.3 | 383.4 | 478.1 | 572.9 | 645.0 | 703.7 | 739.7 | 771.3 |
| 60° | 148.9 | 184.9 | 234.6 | 266.1 | 302.2 | 396.9 | 482.6 | 559.3 | 613.5 | 649.5 | 681.1 |
| 62.5° | 103.7 | 135.3 | 184.9 | 216.5 | 248.1 | 329.3 | 410.5 | 478.1 | 532.3 | 572.9 | 599.9 |
| 65° | 81.2 | 108.3 | 148.9 | 175.9 | 207.5 | 275.2 | 342.8 | 401.4 | 455.6 | 496.2 | 514.2 |
| 67.5° | 58.6 | 85.7 | 117.3 | 139.8 | 162.4 | 221.0 | 279.7 | 324.8 | 374.4 | 406.0 | 428.5 |
| 70° | 40.6 | 58.6 | 85.7 | 103.7 | 121.8 | 166.9 | 212.0 | 252.6 | 288.7 | 311.2 | 329.3 |
| 72.5° | 31.6 | 40.6 | 58.6 | 72.2 | 85.7 | 117.3 | 153.4 | 184.9 | 212.0 | 230.0 | 248.1 |
| 75° | 18.0 | 27.1 | 40.6 | 49.6 | 58.6 | 81.2 | 103.7 | 126.3 | 144.3 | 157.9 | 166.9 |
| 77.5° | 9.0 | 13.5 | 22.6 | 27.1 | 36.1 | 49.6 | 67.7 | 81.2 | 94.7 | 103.7 | 112.8 |
| 80° | 9.0 | 9.0 | 13.5 | 13.5 | 18.0 | 27.1 | 36.1 | 45.1 | 54.1 | 63.1 | 67.7 |
| 82.5° | 4.5 | 4.5 | 9.0 | 9.0 | 9.0 | 13.5 | 18.0 | 27.1 | 31.6 | 36.1 | 40.6 |
| 85° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 9.0 | 9.0 | 13.5 | 18.0 | 22.6 | 22.6 |
| 87.5° | 0.0 | 0.0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 9.0 | 9.0 | 9.0 | 13.5 |
| 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: P252635

CATALOG NUMBER: LD6B70D010TE EU6B60708027 6LBDW1LI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 | 3901.7 |
| 2.5° | 3888.2 | 3897.2 | 3892.7 | 3901.7 | 3888.2 | 3883.7 | 3892.7 | 3879.2 |
| 5° | 3838.6 | 3843.1 | 3838.6 | 3838.6 | 3829.6 | 3820.5 | 3829.6 | 3816.0 |
| 7.5° | 3761.9 | 3761.9 | 3748.4 | 3748.4 | 3730.3 | 3721.3 | 3721.3 | 3716.8 |
| 10° | 3698.7 | 3685.2 | 3671.7 | 3676.2 | 3649.1 | 3640.1 | 3635.6 | 3631.1 |
| 12.5° | 3667.2 | 3658.2 | 3635.6 | 3635.6 | 3608.5 | 3599.5 | 3595.0 | 3590.5 |
| 15° | 3631.1 | 3613.0 | 3595.0 | 3590.5 | 3567.9 | 3558.9 | 3554.4 | 3545.4 |
| 17.5° | 3567.9 | 3554.4 | 3531.9 | 3531.9 | 3509.3 | 3504.8 | 3495.8 | 3491.3 |
| 20° | 3500.3 | 3482.2 | 3464.2 | 3464.2 | 3437.1 | 3437.1 | 3423.6 | 3428.1 |
| 22.5° | 3405.6 | 3392.0 | 3374.0 | 3374.0 | 3351.4 | 3346.9 | 3333.4 | 3328.9 |
| 25° | 3292.8 | 3274.7 | 3261.2 | 3256.7 | 3238.7 | 3229.6 | 3225.1 | 3216.1 |
| 27.5° | 3143.9 | 3130.4 | 3116.9 | 3107.9 | 3085.3 | 3080.8 | 3067.3 | 3071.8 |
| 30° | 2959.0 | 2950.0 | 2945.5 | 2936.4 | 2909.4 | 2900.4 | 2900.4 | 2886.8 |
| 32.5° | 2756.0 | 2742.5 | 2733.5 | 2719.9 | 2697.4 | 2692.9 | 2679.3 | 2683.8 |
| 35° | 2507.9 | 2489.9 | 2476.4 | 2480.9 | 2453.8 | 2449.3 | 2440.3 | 2444.8 |
| 37.5° | 2250.8 | 2232.8 | 2214.7 | 2210.2 | 2187.7 | 2187.7 | 2174.1 | 2174.1 |
| 40° | 1984.7 | 1966.7 | 1957.6 | 1957.6 | 1930.6 | 1935.1 | 1921.5 | 1917.0 |
| 42.5° | 1745.6 | 1727.6 | 1723.1 | 1718.6 | 1705.0 | 1700.5 | 1687.0 | 1691.5 |
| 45° | 1520.1 | 1515.6 | 1515.6 | 1506.6 | 1493.0 | 1488.5 | 1493.0 | 1493.0 |
| 47.5° | 1321.6 | 1326.1 | 1321.6 | 1321.6 | 1312.6 | 1321.6 | 1312.6 | 1317.1 |
| 50° | 1154.7 | 1163.8 | 1163.8 | 1163.8 | 1159.2 | 1163.8 | 1163.8 | 1168.3 |
| 52.5° | 1014.9 | 1028.4 | 1023.9 | 1028.4 | 1023.9 | 1032.9 | 1028.4 | 1032.9 |
| 55° | 893.1 | 902.1 | 906.6 | 911.2 | 911.2 | 911.2 | 911.2 | 911.2 |
| 57.5° | 780.3 | 793.9 | 798.4 | 802.9 | 802.9 | 811.9 | 802.9 | 802.9 |
| 60° | 690.1 | 703.7 | 708.2 | 712.7 | 712.7 | 717.2 | 708.2 | 712.7 |
| 62.5° | 608.9 | 622.5 | 622.5 | 627.0 | 627.0 | 627.0 | 618.0 | 622.5 |
| 65° | 527.7 | 532.3 | 536.8 | 536.8 | 532.3 | 532.3 | 527.7 | 532.3 |
| 67.5° | 437.5 | 442.0 | 437.5 | 437.5 | 433.0 | 433.0 | 424.0 | 428.5 |
| 70° | 338.3 | 338.3 | 342.8 | 338.3 | 333.8 | 338.3 | 333.8 | 329.3 |
| 72.5° | 252.6 | 252.6 | 252.6 | 248.1 | 248.1 | 243.6 | 248.1 | 248.1 |
| 75° | 171.4 | 171.4 | 175.9 | 175.9 | 175.9 | 175.9 | 171.4 | 171.4 |
| 77.5° | 112.8 | 112.8 | 112.8 | 112.8 | 117.3 | 112.8 | 112.8 | 112.8 |
| 80° | 72.2 | 72.2 | 76.7 | 76.7 | 72.2 | 72.2 | 72.2 | 72.2 |
| 82.5° | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| 85° | 27.1 | 27.1 | 27.1 | 27.1 | 22.6 | 22.6 | 22.6 | 22.6 |
| 87.5° | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 9.0 | 9.0 |
| 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)