

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P879351

Luminaire Tested: **LD4C100D010 EU41009030 4LBDWWLI**

Issue Date: 10/1/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P879351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/1/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C100D010 EU41009030 4LBDWWLI
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBDWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

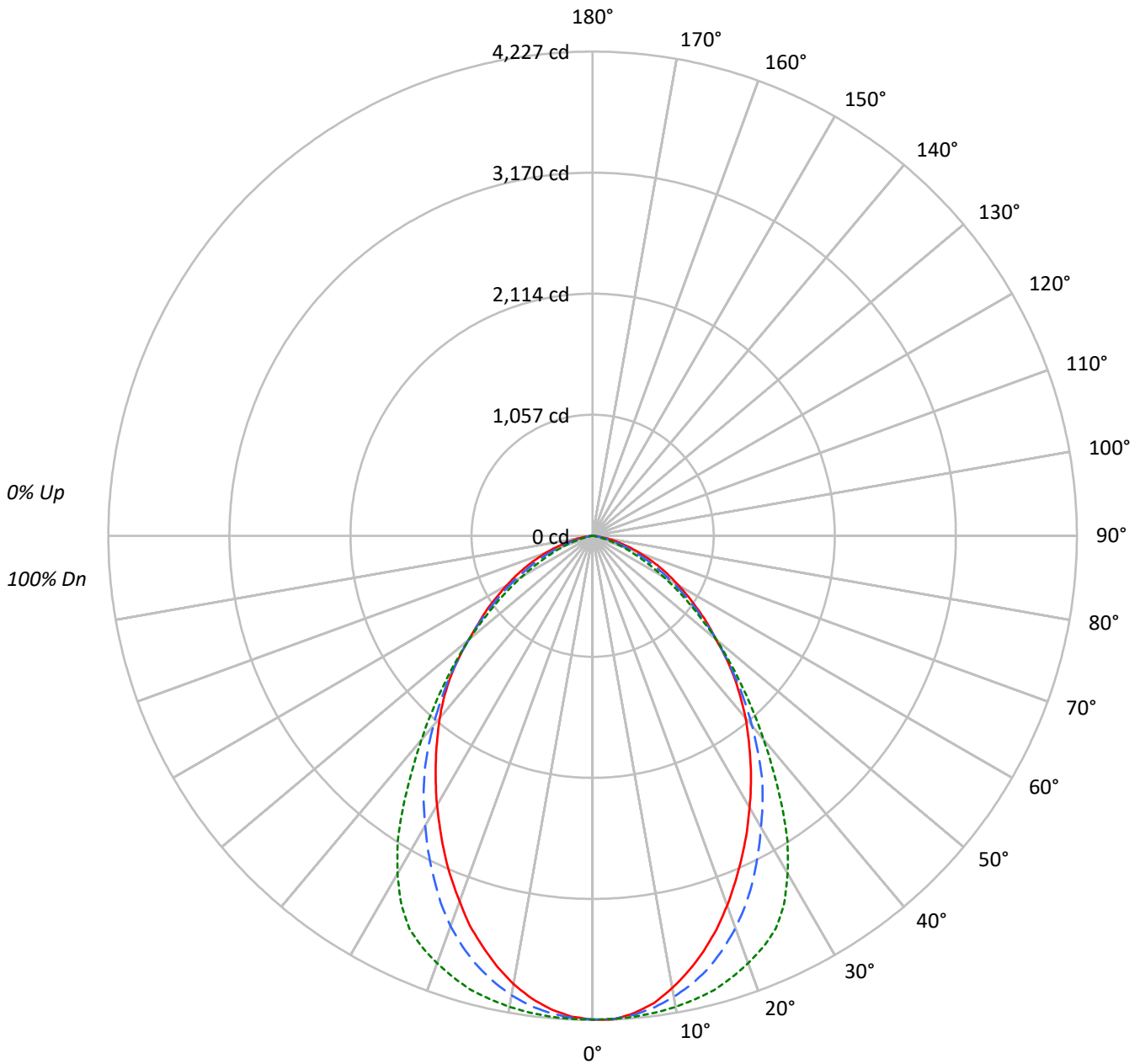
Lumens per Lamp: N/A
Luminaire Lumens: 7757.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1.19 / 1.15
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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: P879351

CATALOG NUMBER: LD4C100D010 EU41009030 4LBLDWLWI

Luminous Intensity Polar Plot





TEST NUMBER: P879351

CATALOG NUMBER: LD4C100D010 EU41009030 4LBLDWLWI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | | |
| RC | 80 | | | | 70 | | | | 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 | 85 | 100 | 94 | 89 | 84 | 91 | 86 | 83 | 87 | 84 | 81 | 85 | 82 | 79 | 77 | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 84 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 70 | 77 | 73 | 69 | 67 | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | |
| 5 | 82 | 70 | 62 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 56 | 50 | 61 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 48 | 44 | 42 | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 518884 | 518884 | 518884 |
| 5° | 515810 | 519707 | 511913 |
| 10° | 500093 | 520988 | 495764 |
| 15° | 477130 | 522129 | 471903 |
| 20° | 448941 | 519147 | 443986 |
| 25° | 418156 | 513003 | 414727 |
| 30° | 388538 | 483087 | 385402 |
| 35° | 360318 | 432082 | 357709 |
| 40° | 333112 | 372629 | 332856 |
| 45° | 303526 | 318068 | 305993 |
| 50° | 268073 | 268991 | 269583 |
| 55° | 240212 | 219907 | 241219 |
| 60° | 212291 | 174649 | 212684 |
| 65° | 186889 | 133168 | 185028 |
| 70° | 154887 | 95332 | 154887 |
| 75° | 120708 | 54729 | 116199 |
| 80° | 78248 | 13442 | 74852 |
| 85° | 28897 | 4511 | 22271 |



TEST NUMBER: P879351

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 396.5 | 5.1 |
| 10°-20° | 1097.0 | 14.1 |
| 20°-30° | 1533.4 | 19.8 |
| 30°-40° | 1617.5 | 20.9 |
| 40°-50° | 1376.1 | 17.7 |
| 50°-60° | 971.0 | 12.5 |
| 60°-70° | 550.4 | 7.1 |
| 70°-80° | 196.4 | 2.5 |
| 80°-90° | 18.8 | 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° | 3026.8 | 39.0 |
| 0°-40° | 4644.4 | 59.9 |
| 0°-60° | 6991.4 | 90.1 |
| 0°-90° | 7757.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7757.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4224 | 4224 | 4224 | 4224 | 4224 | |
| 5° | 4183 | 4197 | 4214 | 4184 | 4151 | 394 |
| 15° | 3751 | 3909 | 4105 | 3887 | 3710 | 1052 |
| 25° | 3085 | 3315 | 3784 | 3285 | 3060 | 1419 |
| 35° | 2402 | 2576 | 2881 | 2562 | 2385 | 1502 |
| 45° | 1747 | 1772 | 1831 | 1780 | 1761 | 1343 |
| 55° | 1122 | 1084 | 1027 | 1087 | 1126 | 1007 |
| 65° | 643 | 551 | 458 | 553 | 636 | 637 |
| 75° | 254 | 174 | 115 | 171 | 245 | 275 |
| 85° | 20 | 8 | 3 | 8 | 16 | 36 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P879351

CATALOG NUMBER: LD4C100D010 EU41009030 4LBLDWLI

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 |
| 2.5° | 4226.8 | 4218.9 | 4218.9 | 4218.9 | 4218.9 | 4218.9 | 4218.9 | 4218.9 | 4218.9 | 4220.5 | 4220.5 |
| 5° | 4182.6 | 4179.4 | 4177.8 | 4177.8 | 4177.8 | 4177.8 | 4179.4 | 4185.7 | 4188.9 | 4193.6 | 4196.8 |
| 7.5° | 4113.1 | 4106.8 | 4109.9 | 4109.9 | 4113.1 | 4116.2 | 4121.0 | 4127.3 | 4136.8 | 4143.1 | 4151.0 |
| 10° | 4008.8 | 4002.5 | 4010.4 | 4013.6 | 4023.0 | 4027.8 | 4035.7 | 4045.2 | 4064.1 | 4073.6 | 4086.2 |
| 12.5° | 3887.2 | 3884.0 | 3887.2 | 3899.8 | 3909.3 | 3915.6 | 3925.1 | 3945.6 | 3964.6 | 3985.1 | 4007.2 |
| 15° | 3751.4 | 3743.5 | 3748.2 | 3764.0 | 3779.8 | 3790.9 | 3798.7 | 3825.6 | 3850.9 | 3882.5 | 3909.3 |
| 17.5° | 3599.7 | 3588.7 | 3601.3 | 3613.9 | 3634.5 | 3644.0 | 3655.0 | 3685.0 | 3719.8 | 3754.5 | 3784.5 |
| 20° | 3433.9 | 3430.7 | 3438.6 | 3456.0 | 3476.5 | 3489.2 | 3498.6 | 3531.8 | 3561.8 | 3609.2 | 3644.0 |
| 22.5° | 3261.7 | 3264.9 | 3271.2 | 3290.1 | 3304.4 | 3321.7 | 3335.9 | 3366.0 | 3400.7 | 3444.9 | 3489.2 |
| 25° | 3084.8 | 3089.5 | 3100.6 | 3113.2 | 3136.9 | 3146.4 | 3163.8 | 3195.4 | 3225.4 | 3266.5 | 3315.4 |
| 27.5° | 2914.2 | 2915.8 | 2928.4 | 2934.8 | 2956.9 | 2977.4 | 2985.3 | 3018.5 | 3053.2 | 3084.8 | 3127.5 |
| 30° | 2738.9 | 2743.6 | 2751.5 | 2768.9 | 2791.0 | 2798.9 | 2808.4 | 2838.4 | 2865.3 | 2904.7 | 2937.9 |
| 32.5° | 2571.5 | 2568.3 | 2577.8 | 2587.3 | 2612.5 | 2626.7 | 2631.5 | 2666.2 | 2689.9 | 2729.4 | 2761.0 |
| 35° | 2402.5 | 2394.6 | 2408.8 | 2418.2 | 2440.4 | 2453.0 | 2459.3 | 2486.2 | 2508.3 | 2541.4 | 2576.2 |
| 37.5° | 2233.4 | 2239.8 | 2246.1 | 2254.0 | 2265.0 | 2268.2 | 2287.1 | 2293.5 | 2321.9 | 2347.2 | 2366.1 |
| 40° | 2077.1 | 2073.9 | 2070.8 | 2078.7 | 2092.9 | 2099.2 | 2100.8 | 2118.1 | 2124.5 | 2149.7 | 2163.9 |
| 42.5° | 1909.6 | 1911.2 | 1909.6 | 1911.2 | 1919.1 | 1919.1 | 1923.9 | 1934.9 | 1939.7 | 1947.5 | 1964.9 |
| 45° | 1747.0 | 1747.0 | 1742.2 | 1743.8 | 1745.4 | 1743.8 | 1745.4 | 1750.1 | 1759.6 | 1759.6 | 1772.2 |
| 47.5° | 1577.9 | 1574.8 | 1581.1 | 1576.4 | 1573.2 | 1571.6 | 1576.4 | 1571.6 | 1581.1 | 1581.1 | 1584.3 |
| 50° | 1402.6 | 1402.6 | 1410.5 | 1408.9 | 1412.1 | 1405.8 | 1407.4 | 1407.4 | 1408.9 | 1407.4 | 1413.7 |
| 52.5° | 1266.8 | 1263.6 | 1260.5 | 1252.6 | 1255.7 | 1249.4 | 1249.4 | 1251.0 | 1246.2 | 1244.7 | 1236.8 |
| 55° | 1121.5 | 1124.6 | 1119.9 | 1116.7 | 1116.7 | 1110.4 | 1108.8 | 1099.3 | 1093.0 | 1088.3 | 1083.6 |
| 57.5° | 990.4 | 993.5 | 991.9 | 984.0 | 974.6 | 976.1 | 973.0 | 963.5 | 949.3 | 939.8 | 931.9 |
| 60° | 864.0 | 867.2 | 864.0 | 856.1 | 852.9 | 846.6 | 845.0 | 832.4 | 821.4 | 808.7 | 799.2 |
| 62.5° | 750.3 | 750.3 | 748.7 | 737.6 | 729.7 | 731.3 | 723.4 | 713.9 | 699.7 | 682.4 | 668.1 |
| 65° | 642.9 | 641.3 | 633.4 | 628.6 | 622.3 | 614.4 | 609.7 | 595.5 | 584.4 | 570.2 | 551.3 |
| 67.5° | 535.5 | 530.7 | 527.6 | 522.8 | 508.6 | 507.0 | 500.7 | 488.1 | 472.3 | 461.2 | 445.4 |
| 70° | 431.2 | 429.6 | 423.3 | 423.3 | 412.3 | 407.5 | 398.0 | 387.0 | 372.8 | 357.0 | 344.3 |
| 72.5° | 341.2 | 338.0 | 331.7 | 325.4 | 315.9 | 312.7 | 304.8 | 293.8 | 281.2 | 265.4 | 249.6 |
| 75° | 254.3 | 251.1 | 249.6 | 241.7 | 233.8 | 225.9 | 222.7 | 211.7 | 199.0 | 188.0 | 173.7 |
| 77.5° | 178.5 | 175.3 | 170.6 | 165.8 | 161.1 | 156.4 | 151.6 | 142.2 | 131.1 | 121.6 | 109.0 |
| 80° | 110.6 | 107.4 | 104.2 | 102.7 | 97.9 | 96.4 | 90.0 | 85.3 | 75.8 | 69.5 | 61.6 |
| 82.5° | 56.9 | 56.9 | 53.7 | 52.1 | 49.0 | 47.4 | 45.8 | 41.1 | 36.3 | 31.6 | 26.9 |
| 85° | 20.5 | 20.5 | 19.0 | 17.4 | 17.4 | 15.8 | 15.8 | 14.2 | 11.1 | 11.1 | 7.9 |
| 87.5° | 1.6 | 1.6 | 3.2 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 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: P879351

CATALOG NUMBER: LD4C100D010 EU41009030 4LBLDWLWI

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 |
| 2.5° | 4222.1 | 4220.5 | 4222.1 | 4222.1 | 4223.6 | 4223.6 | 4223.6 | 4222.1 | 4223.6 | 4222.1 | 4222.1 |
| 5° | 4196.8 | 4201.5 | 4204.7 | 4207.8 | 4209.4 | 4211.0 | 4211.0 | 4212.6 | 4214.2 | 4214.2 | 4212.6 |
| 7.5° | 4157.3 | 4166.8 | 4176.3 | 4182.6 | 4185.7 | 4188.9 | 4193.6 | 4196.8 | 4199.9 | 4198.4 | 4196.8 |
| 10° | 4105.2 | 4121.0 | 4133.6 | 4146.2 | 4152.6 | 4157.3 | 4165.2 | 4171.5 | 4174.7 | 4176.3 | 4171.5 |
| 12.5° | 4030.9 | 4053.1 | 4073.6 | 4094.1 | 4103.6 | 4109.9 | 4125.7 | 4136.8 | 4143.1 | 4143.1 | 4138.3 |
| 15° | 3937.7 | 3969.3 | 3999.3 | 4026.2 | 4042.0 | 4051.5 | 4075.2 | 4091.0 | 4100.4 | 4105.2 | 4097.3 |
| 17.5° | 3825.6 | 3861.9 | 3898.3 | 3933.0 | 3948.8 | 3963.0 | 3996.2 | 4018.3 | 4038.8 | 4042.0 | 4032.5 |
| 20° | 3681.9 | 3727.7 | 3768.7 | 3811.4 | 3828.8 | 3850.9 | 3888.8 | 3925.1 | 3956.7 | 3970.9 | 3944.1 |
| 22.5° | 3520.8 | 3571.3 | 3609.2 | 3661.3 | 3685.0 | 3708.7 | 3757.7 | 3803.5 | 3858.8 | 3888.8 | 3841.4 |
| 25° | 3353.3 | 3396.0 | 3441.8 | 3492.3 | 3525.5 | 3550.8 | 3607.6 | 3666.1 | 3740.3 | 3784.5 | 3718.2 |
| 27.5° | 3173.3 | 3211.2 | 3266.5 | 3321.7 | 3347.0 | 3378.6 | 3446.5 | 3509.7 | 3580.8 | 3620.3 | 3571.3 |
| 30° | 2986.9 | 3034.3 | 3086.4 | 3136.9 | 3173.3 | 3203.3 | 3258.6 | 3312.3 | 3372.3 | 3405.4 | 3369.1 |
| 32.5° | 2802.1 | 2847.9 | 2892.1 | 2947.4 | 2967.9 | 2994.8 | 3043.7 | 3089.5 | 3135.4 | 3165.4 | 3122.7 |
| 35° | 2607.8 | 2648.9 | 2689.9 | 2727.8 | 2737.3 | 2768.9 | 2808.4 | 2835.2 | 2857.4 | 2881.0 | 2852.6 |
| 37.5° | 2396.1 | 2427.7 | 2448.3 | 2489.3 | 2505.1 | 2509.9 | 2541.4 | 2560.4 | 2584.1 | 2588.8 | 2587.3 |
| 40° | 2181.3 | 2209.8 | 2227.1 | 2252.4 | 2265.0 | 2265.0 | 2287.1 | 2304.5 | 2321.9 | 2323.5 | 2321.9 |
| 42.5° | 1980.7 | 1994.9 | 2009.2 | 2024.9 | 2021.8 | 2040.7 | 2050.2 | 2058.1 | 2070.8 | 2070.8 | 2073.9 |
| 45° | 1778.5 | 1789.6 | 1802.2 | 1805.4 | 1818.0 | 1818.0 | 1825.9 | 1829.1 | 1835.4 | 1830.7 | 1824.3 |
| 47.5° | 1590.6 | 1595.3 | 1596.9 | 1611.1 | 1614.3 | 1603.2 | 1612.7 | 1614.3 | 1612.7 | 1612.7 | 1609.5 |
| 50° | 1412.1 | 1415.3 | 1413.7 | 1408.9 | 1410.5 | 1415.3 | 1410.5 | 1404.2 | 1407.4 | 1407.4 | 1410.5 |
| 52.5° | 1238.3 | 1232.0 | 1228.9 | 1228.9 | 1222.5 | 1222.5 | 1214.7 | 1211.5 | 1209.9 | 1203.6 | 1211.5 |
| 55° | 1078.8 | 1069.3 | 1055.1 | 1052.0 | 1047.2 | 1045.6 | 1036.2 | 1028.3 | 1025.1 | 1026.7 | 1025.1 |
| 57.5° | 925.6 | 911.4 | 901.9 | 898.7 | 894.0 | 884.5 | 873.5 | 865.6 | 864.0 | 860.8 | 860.8 |
| 60° | 786.6 | 770.8 | 756.6 | 742.4 | 744.0 | 737.6 | 726.6 | 721.8 | 717.1 | 710.8 | 715.5 |
| 62.5° | 660.2 | 642.9 | 627.1 | 612.9 | 603.4 | 598.6 | 590.7 | 582.8 | 578.1 | 573.4 | 579.7 |
| 65° | 535.5 | 521.2 | 503.9 | 489.7 | 484.9 | 480.2 | 472.3 | 459.6 | 458.1 | 458.1 | 461.2 |
| 67.5° | 423.3 | 407.5 | 391.7 | 382.2 | 375.9 | 369.6 | 366.4 | 360.1 | 355.4 | 352.2 | 353.8 |
| 70° | 325.4 | 309.6 | 297.0 | 287.5 | 282.7 | 281.2 | 270.1 | 268.5 | 266.9 | 265.4 | 263.8 |
| 72.5° | 236.9 | 224.3 | 213.2 | 206.9 | 200.6 | 195.9 | 192.7 | 188.0 | 186.4 | 186.4 | 186.4 |
| 75° | 162.7 | 153.2 | 140.6 | 132.7 | 129.5 | 124.8 | 120.0 | 116.9 | 113.7 | 115.3 | 115.3 |
| 77.5° | 97.9 | 88.5 | 80.6 | 74.2 | 72.7 | 67.9 | 63.2 | 60.0 | 55.3 | 55.3 | 56.9 |
| 80° | 53.7 | 45.8 | 39.5 | 34.7 | 31.6 | 30.0 | 25.3 | 23.7 | 20.5 | 19.0 | 19.0 |
| 82.5° | 23.7 | 19.0 | 15.8 | 14.2 | 12.6 | 11.1 | 9.5 | 7.9 | 7.9 | 6.3 | 7.9 |
| 85° | 7.9 | 6.3 | 4.7 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 87.5° | 1.6 | 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 |



TEST NUMBER: P879351

CATALOG NUMBER: LD4C100D010 EU41009030 4LBLDWL1

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 |
| 2.5° | 4220.5 | 4220.5 | 4218.9 | 4218.9 | 4218.9 | 4215.7 | 4215.7 | 4214.2 | 4212.6 | 4211.0 | 4207.8 |
| 5° | 4209.4 | 4207.8 | 4204.7 | 4203.1 | 4201.5 | 4196.8 | 4192.0 | 4188.9 | 4184.2 | 4177.8 | 4174.7 |
| 7.5° | 4193.6 | 4188.9 | 4182.6 | 4179.4 | 4174.7 | 4163.6 | 4155.7 | 4147.8 | 4139.9 | 4128.9 | 4116.2 |
| 10° | 4166.8 | 4157.3 | 4147.8 | 4141.5 | 4133.6 | 4119.4 | 4103.6 | 4091.0 | 4073.6 | 4057.8 | 4040.4 |
| 12.5° | 4128.9 | 4117.8 | 4098.9 | 4089.4 | 4079.9 | 4059.4 | 4038.8 | 4012.0 | 3988.3 | 3966.2 | 3945.6 |
| 15° | 4081.5 | 4060.9 | 4038.8 | 4026.2 | 4012.0 | 3978.8 | 3947.2 | 3918.8 | 3887.2 | 3860.4 | 3827.2 |
| 17.5° | 4012.0 | 3982.0 | 3950.4 | 3936.2 | 3917.2 | 3879.3 | 3841.4 | 3801.9 | 3765.6 | 3732.4 | 3691.3 |
| 20° | 3907.7 | 3874.6 | 3833.5 | 3811.4 | 3795.6 | 3745.0 | 3708.7 | 3664.5 | 3626.6 | 3585.5 | 3539.7 |
| 22.5° | 3786.1 | 3740.3 | 3694.5 | 3662.9 | 3645.5 | 3595.0 | 3546.0 | 3506.5 | 3465.5 | 3418.1 | 3384.9 |
| 25° | 3648.7 | 3591.8 | 3536.5 | 3505.0 | 3478.1 | 3424.4 | 3377.0 | 3335.9 | 3285.4 | 3244.3 | 3211.2 |
| 27.5° | 3493.9 | 3429.1 | 3364.4 | 3332.8 | 3307.5 | 3249.1 | 3198.5 | 3155.9 | 3106.9 | 3070.6 | 3035.8 |
| 30° | 3309.1 | 3250.7 | 3189.1 | 3163.8 | 3133.8 | 3073.7 | 3015.3 | 2977.4 | 2923.7 | 2885.8 | 2847.9 |
| 32.5° | 3078.5 | 3040.6 | 2991.6 | 2956.9 | 2941.1 | 2885.8 | 2836.8 | 2791.0 | 2745.2 | 2715.2 | 2677.3 |
| 35° | 2825.8 | 2792.6 | 2751.5 | 2732.6 | 2712.0 | 2677.3 | 2637.8 | 2598.3 | 2562.0 | 2533.6 | 2498.8 |
| 37.5° | 2569.9 | 2536.7 | 2511.4 | 2490.9 | 2478.3 | 2446.7 | 2423.0 | 2393.0 | 2367.7 | 2340.9 | 2321.9 |
| 40° | 2304.5 | 2295.0 | 2268.2 | 2258.7 | 2255.6 | 2220.8 | 2200.3 | 2176.6 | 2160.8 | 2145.0 | 2133.9 |
| 42.5° | 2069.2 | 2053.4 | 2032.8 | 2034.4 | 2024.9 | 2006.0 | 1991.8 | 1976.0 | 1964.9 | 1957.0 | 1946.0 |
| 45° | 1837.0 | 1824.3 | 1814.9 | 1822.8 | 1807.0 | 1800.7 | 1789.6 | 1788.0 | 1780.1 | 1765.9 | 1761.2 |
| 47.5° | 1615.9 | 1614.3 | 1615.9 | 1611.1 | 1608.0 | 1604.8 | 1606.4 | 1598.5 | 1590.6 | 1585.8 | 1579.5 |
| 50° | 1413.7 | 1415.3 | 1418.4 | 1423.1 | 1412.1 | 1416.8 | 1415.3 | 1413.7 | 1413.7 | 1408.9 | 1412.1 |
| 52.5° | 1217.8 | 1219.4 | 1222.5 | 1227.3 | 1228.9 | 1228.9 | 1233.6 | 1236.8 | 1243.1 | 1251.0 | 1251.0 |
| 55° | 1033.0 | 1044.1 | 1050.4 | 1058.3 | 1053.5 | 1063.0 | 1067.8 | 1082.0 | 1086.7 | 1086.7 | 1093.0 |
| 57.5° | 868.7 | 879.8 | 884.5 | 894.0 | 897.2 | 905.1 | 917.7 | 925.6 | 936.7 | 946.1 | 955.6 |
| 60° | 718.7 | 723.4 | 736.1 | 750.3 | 747.1 | 766.1 | 775.5 | 788.2 | 802.4 | 808.7 | 821.4 |
| 62.5° | 584.4 | 590.7 | 600.2 | 605.0 | 616.0 | 625.5 | 647.6 | 660.2 | 672.9 | 688.7 | 701.3 |
| 65° | 464.4 | 470.7 | 480.2 | 489.7 | 494.4 | 508.6 | 519.7 | 541.8 | 552.8 | 570.2 | 584.4 |
| 67.5° | 355.4 | 364.9 | 372.8 | 379.1 | 382.2 | 396.5 | 413.8 | 423.3 | 443.8 | 461.2 | 472.3 |
| 70° | 265.4 | 273.3 | 282.7 | 281.2 | 287.5 | 298.5 | 311.2 | 325.4 | 341.2 | 357.0 | 369.6 |
| 72.5° | 184.8 | 192.7 | 199.0 | 200.6 | 206.9 | 214.8 | 224.3 | 235.3 | 248.0 | 263.8 | 281.2 |
| 75° | 116.9 | 118.5 | 124.8 | 127.9 | 131.1 | 140.6 | 148.5 | 159.5 | 170.6 | 183.2 | 194.3 |
| 77.5° | 58.4 | 63.2 | 66.3 | 69.5 | 71.1 | 79.0 | 86.9 | 96.4 | 105.8 | 118.5 | 129.5 |
| 80° | 22.1 | 23.7 | 28.4 | 30.0 | 33.2 | 37.9 | 44.2 | 49.0 | 56.9 | 66.3 | 72.7 |
| 82.5° | 7.9 | 9.5 | 11.1 | 11.1 | 12.6 | 15.8 | 17.4 | 22.1 | 26.9 | 30.0 | 33.2 |
| 85° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 4.7 | 4.7 | 6.3 | 7.9 | 9.5 | 9.5 |
| 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: P879351

CATALOG NUMBER: LD4C100D010 EU41009030 4LBLDWLWI

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 | 4223.6 |
| 2.5° | 4206.3 | 4206.3 | 4204.7 | 4203.1 | 4203.1 | 4203.1 | 4201.5 | 4201.5 |
| 5° | 4168.4 | 4163.6 | 4162.0 | 4158.9 | 4157.3 | 4155.7 | 4151.0 | 4151.0 |
| 7.5° | 4106.8 | 4100.4 | 4095.7 | 4091.0 | 4084.6 | 4079.9 | 4079.9 | 4073.6 |
| 10° | 4024.6 | 4012.0 | 4005.7 | 3999.3 | 3991.5 | 3982.0 | 3978.8 | 3974.1 |
| 12.5° | 3925.1 | 3899.8 | 3893.5 | 3882.5 | 3869.8 | 3863.5 | 3852.5 | 3852.5 |
| 15° | 3801.9 | 3775.1 | 3760.8 | 3754.5 | 3738.7 | 3727.7 | 3722.9 | 3710.3 |
| 17.5° | 3658.2 | 3637.6 | 3615.5 | 3606.0 | 3588.7 | 3574.5 | 3568.1 | 3566.6 |
| 20° | 3512.9 | 3479.7 | 3465.5 | 3451.3 | 3430.7 | 3418.1 | 3408.6 | 3396.0 |
| 22.5° | 3345.4 | 3315.4 | 3294.9 | 3285.4 | 3268.0 | 3245.9 | 3230.1 | 3230.1 |
| 25° | 3168.5 | 3141.7 | 3130.6 | 3110.1 | 3089.5 | 3081.6 | 3062.7 | 3059.5 |
| 27.5° | 2999.5 | 2972.7 | 2950.5 | 2939.5 | 2915.8 | 2904.7 | 2888.9 | 2882.6 |
| 30° | 2824.2 | 2792.6 | 2776.8 | 2775.2 | 2746.8 | 2735.7 | 2723.1 | 2716.8 |
| 32.5° | 2648.9 | 2622.0 | 2606.2 | 2596.7 | 2584.1 | 2565.1 | 2554.1 | 2547.8 |
| 35° | 2475.1 | 2457.7 | 2443.5 | 2432.5 | 2411.9 | 2402.5 | 2393.0 | 2385.1 |
| 37.5° | 2293.5 | 2277.7 | 2271.4 | 2261.9 | 2252.4 | 2235.0 | 2231.9 | 2225.5 |
| 40° | 2118.1 | 2097.6 | 2097.6 | 2091.3 | 2081.8 | 2080.2 | 2075.5 | 2075.5 |
| 42.5° | 1934.9 | 1925.4 | 1923.9 | 1925.4 | 1919.1 | 1916.0 | 1911.2 | 1922.3 |
| 45° | 1753.3 | 1758.0 | 1750.1 | 1751.7 | 1748.5 | 1754.8 | 1754.8 | 1761.2 |
| 47.5° | 1585.8 | 1579.5 | 1582.7 | 1585.8 | 1590.6 | 1590.6 | 1589.0 | 1587.4 |
| 50° | 1407.4 | 1413.7 | 1420.0 | 1412.1 | 1415.3 | 1416.8 | 1408.9 | 1410.5 |
| 52.5° | 1254.1 | 1255.7 | 1260.5 | 1255.7 | 1260.5 | 1258.9 | 1262.0 | 1255.7 |
| 55° | 1105.7 | 1105.7 | 1112.0 | 1113.6 | 1115.1 | 1119.9 | 1121.5 | 1126.2 |
| 57.5° | 961.9 | 969.8 | 977.7 | 976.1 | 982.5 | 988.8 | 984.0 | 988.8 |
| 60° | 837.1 | 843.5 | 851.4 | 854.5 | 859.3 | 862.4 | 862.4 | 865.6 |
| 62.5° | 710.8 | 723.4 | 729.7 | 736.1 | 736.1 | 742.4 | 748.7 | 750.3 |
| 65° | 597.1 | 611.3 | 616.0 | 620.8 | 623.9 | 630.2 | 638.1 | 636.5 |
| 67.5° | 489.7 | 499.1 | 505.4 | 508.6 | 518.1 | 521.2 | 527.6 | 533.9 |
| 70° | 383.8 | 396.5 | 401.2 | 407.5 | 415.4 | 421.7 | 428.1 | 431.2 |
| 72.5° | 293.8 | 303.3 | 306.4 | 312.7 | 320.6 | 327.0 | 330.1 | 334.9 |
| 75° | 205.3 | 221.1 | 222.7 | 227.5 | 233.8 | 241.7 | 246.4 | 244.8 |
| 77.5° | 135.8 | 146.9 | 148.5 | 154.8 | 161.1 | 167.4 | 169.0 | 170.6 |
| 80° | 80.6 | 86.9 | 88.5 | 91.6 | 96.4 | 99.5 | 102.7 | 105.8 |
| 82.5° | 37.9 | 41.1 | 44.2 | 44.2 | 47.4 | 50.5 | 50.5 | 52.1 |
| 85° | 12.6 | 12.6 | 14.2 | 14.2 | 15.8 | 15.8 | 17.4 | 15.8 |
| 87.5° | 1.6 | 1.6 | 0.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670246072 / DESKTOP-50001EG





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













(END OF REPORT)