

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: P249272

Luminaire Tested: **LD8B70D010 ER8B70950 8LBDW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13957)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B70D010 ER8B70950 8LBDW0WMH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7002.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

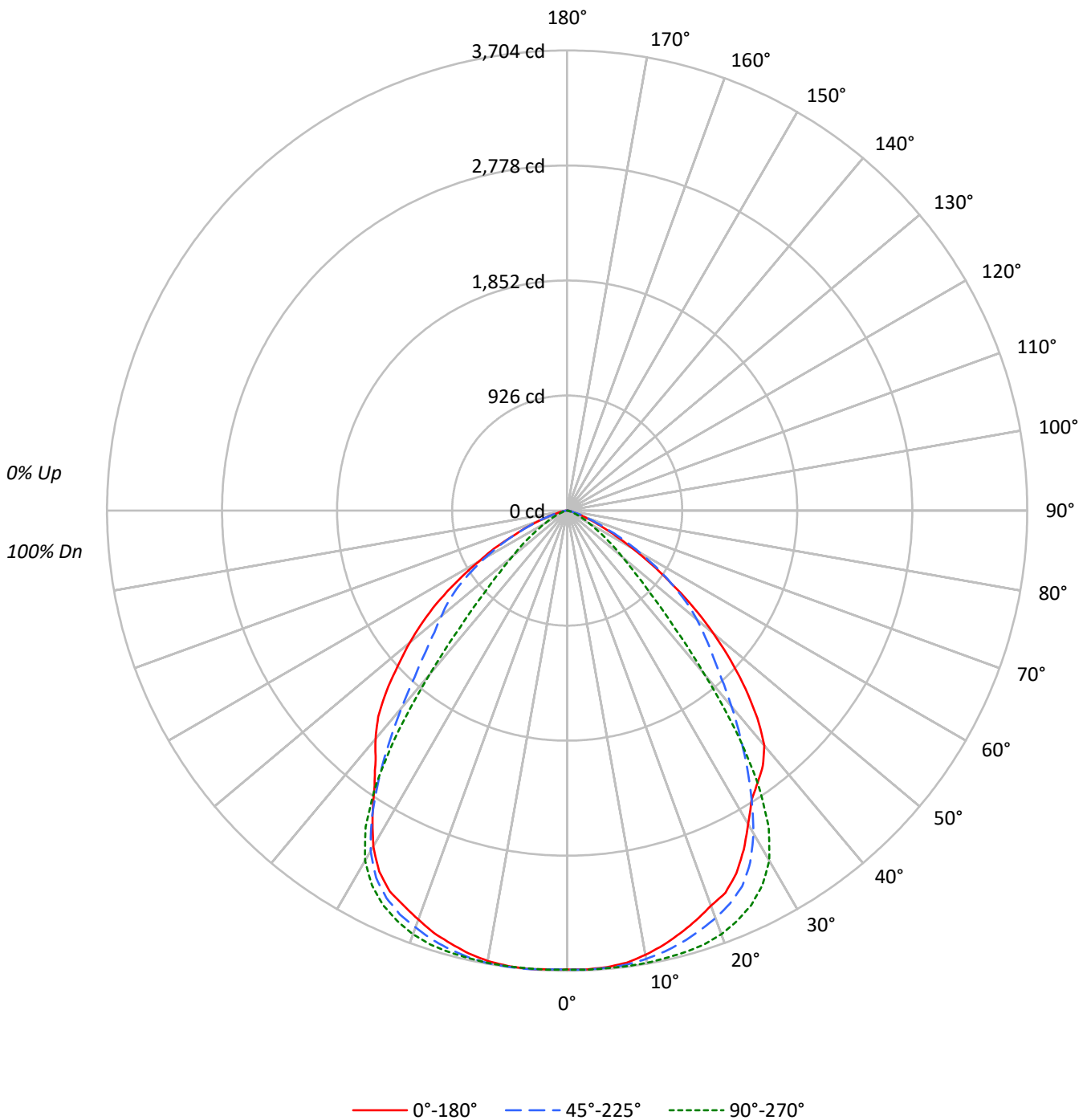
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249272

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBDW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P249272

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBDW0WMH

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 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 | | | | | 90 | | | |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 | | | | | 79 | | | |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 | | | | | 62 | | | |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 | | | | | 55 | | | |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 | | | | | 50 | | | |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 | | | | | 37 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 113922 | 113922 | 113922 |
| 5° | 114171 | 114481 | 114601 |
| 10° | 113691 | 115742 | 115244 |
| 15° | 112433 | 117433 | 115217 |
| 20° | 111083 | 119084 | 114923 |
| 25° | 109639 | 119220 | 115039 |
| 30° | 103726 | 115871 | 111139 |
| 35° | 100630 | 100702 | 101748 |
| 40° | 99383 | 69289 | 96589 |
| 45° | 88553 | 41594 | 89765 |
| 50° | 73633 | 27685 | 79342 |
| 55° | 55224 | 19085 | 67272 |
| 60° | 37423 | 12717 | 50757 |
| 65° | 22575 | 8252 | 34870 |
| 70° | 12514 | 4472 | 21458 |
| 75° | 5671 | 1894 | 11104 |
| 80° | 4937 | 2113 | 7742 |
| 85° | 5626 | 2795 | 7713 |



TEST NUMBER: P249272

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 352.6 | 5.0 |
| 10°-20° | 1023.9 | 14.6 |
| 20°-30° | 1554.1 | 22.2 |
| 30°-40° | 1632.3 | 23.3 |
| 40°-50° | 1223.8 | 17.5 |
| 50°-60° | 785.2 | 11.2 |
| 60°-70° | 335.9 | 4.8 |
| 70°-80° | 79.4 | 1.1 |
| 80°-90° | 14.8 | 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° | 2930.7 | 41.9 |
| 0°-40° | 4563.0 | 65.2 |
| 0°-60° | 6572.0 | 93.9 |
| 0°-90° | 7002.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7002.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3694 | 3694 | 3694 | 3694 | 3694 | |
| 5° | 3688 | 3694 | 3698 | 3704 | 3702 | 350 |
| 15° | 3522 | 3595 | 3678 | 3655 | 3609 | 993 |
| 25° | 3222 | 3336 | 3504 | 3441 | 3381 | 1472 |
| 35° | 2673 | 2524 | 2675 | 2643 | 2703 | 1678 |
| 45° | 2031 | 1660 | 954 | 1612 | 2058 | 1555 |
| 55° | 1027 | 1027 | 355 | 1071 | 1251 | 932 |
| 65° | 309 | 365 | 113 | 470 | 478 | 330 |
| 75° | 48 | 56 | 16 | 95 | 93 | 69 |
| 85° | 16 | 10 | 8 | 16 | 22 | 17 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249272

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBDW0WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 |
| 2.5° | 3696.4 | 3700.4 | 3698.4 | 3698.4 | 3696.4 | 3698.4 | 3698.4 | 3702.3 | 3702.3 | 3698.4 | 3696.4 |
| 5° | 3688.4 | 3692.4 | 3692.4 | 3688.4 | 3688.4 | 3698.4 | 3692.4 | 3696.4 | 3696.4 | 3694.4 | 3694.4 |
| 7.5° | 3670.6 | 3670.6 | 3678.5 | 3672.6 | 3672.6 | 3678.5 | 3676.5 | 3680.5 | 3684.5 | 3686.5 | 3686.5 |
| 10° | 3630.9 | 3634.9 | 3636.9 | 3636.9 | 3638.9 | 3644.8 | 3648.8 | 3656.7 | 3660.7 | 3664.6 | 3666.6 |
| 12.5° | 3581.4 | 3587.3 | 3589.3 | 3587.3 | 3593.3 | 3601.2 | 3611.1 | 3621.0 | 3627.0 | 3634.9 | 3640.9 |
| 15° | 3521.9 | 3521.9 | 3525.8 | 3531.8 | 3535.8 | 3547.7 | 3557.6 | 3569.5 | 3585.3 | 3595.3 | 3605.2 |
| 17.5° | 3456.4 | 3460.4 | 3466.3 | 3466.3 | 3474.3 | 3494.1 | 3500.1 | 3517.9 | 3535.8 | 3545.7 | 3565.5 |
| 20° | 3385.1 | 3389.0 | 3395.0 | 3398.9 | 3408.8 | 3424.7 | 3436.6 | 3452.5 | 3472.3 | 3490.2 | 3510.0 |
| 22.5° | 3329.5 | 3321.6 | 3325.5 | 3329.5 | 3339.5 | 3353.3 | 3367.2 | 3387.0 | 3406.9 | 3424.7 | 3444.6 |
| 25° | 3222.4 | 3224.4 | 3230.4 | 3234.3 | 3246.2 | 3258.1 | 3274.0 | 3297.8 | 3315.6 | 3335.5 | 3357.3 |
| 27.5° | 3077.7 | 3079.7 | 3089.6 | 3089.6 | 3099.5 | 3119.3 | 3129.2 | 3149.1 | 3172.9 | 3192.7 | 3218.5 |
| 30° | 2913.1 | 2917.0 | 2917.0 | 2925.0 | 2930.9 | 2940.9 | 2950.7 | 2970.6 | 2982.5 | 3000.3 | 3036.0 |
| 32.5° | 2762.4 | 2766.3 | 2764.3 | 2762.4 | 2756.4 | 2754.4 | 2752.4 | 2756.4 | 2760.4 | 2766.3 | 2780.2 |
| 35° | 2673.2 | 2663.2 | 2655.3 | 2641.4 | 2625.6 | 2605.7 | 2587.9 | 2564.1 | 2542.2 | 2524.4 | 2504.6 |
| 37.5° | 2587.9 | 2585.9 | 2574.0 | 2554.1 | 2522.4 | 2486.7 | 2445.1 | 2393.5 | 2341.9 | 2286.4 | 2232.9 |
| 40° | 2468.9 | 2462.9 | 2453.0 | 2425.3 | 2389.5 | 2345.9 | 2290.4 | 2227.0 | 2143.6 | 2058.4 | 1971.1 |
| 42.5° | 2266.6 | 2268.6 | 2256.7 | 2234.9 | 2201.2 | 2159.5 | 2102.0 | 2032.6 | 1943.4 | 1842.2 | 1729.2 |
| 45° | 2030.6 | 2030.6 | 2026.7 | 2008.8 | 1985.0 | 1951.3 | 1907.7 | 1850.2 | 1762.9 | 1659.8 | 1538.8 |
| 47.5° | 1784.7 | 1786.7 | 1780.7 | 1776.8 | 1766.9 | 1745.1 | 1713.3 | 1669.7 | 1608.3 | 1509.1 | 1388.1 |
| 50° | 1534.9 | 1534.9 | 1544.8 | 1542.8 | 1542.8 | 1534.9 | 1521.0 | 1495.2 | 1441.7 | 1362.3 | 1249.3 |
| 52.5° | 1285.0 | 1289.0 | 1294.9 | 1302.9 | 1312.8 | 1328.6 | 1312.8 | 1300.9 | 1267.1 | 1205.7 | 1108.5 |
| 55° | 1027.2 | 1031.2 | 1041.1 | 1055.0 | 1066.9 | 1082.8 | 1086.7 | 1086.7 | 1068.8 | 1027.2 | 953.8 |
| 57.5° | 807.1 | 801.1 | 809.1 | 821.0 | 836.9 | 852.7 | 864.6 | 878.5 | 876.5 | 848.7 | 789.3 |
| 60° | 606.8 | 608.8 | 614.7 | 626.7 | 638.5 | 652.4 | 668.3 | 680.2 | 686.1 | 672.3 | 634.6 |
| 62.5° | 442.2 | 442.2 | 450.1 | 462.0 | 468.0 | 487.8 | 497.7 | 503.7 | 509.6 | 507.6 | 483.9 |
| 65° | 309.4 | 313.3 | 317.3 | 323.3 | 329.2 | 341.1 | 347.0 | 358.9 | 362.9 | 364.9 | 347.0 |
| 67.5° | 218.2 | 212.2 | 216.2 | 220.1 | 226.1 | 234.0 | 245.9 | 245.9 | 251.8 | 251.8 | 239.9 |
| 70° | 138.8 | 138.8 | 140.8 | 146.7 | 150.7 | 152.7 | 156.7 | 160.6 | 166.6 | 164.6 | 164.6 |
| 72.5° | 93.2 | 91.2 | 93.2 | 95.2 | 97.2 | 103.1 | 103.1 | 105.1 | 109.1 | 111.1 | 103.1 |
| 75° | 47.6 | 49.6 | 53.5 | 51.6 | 57.5 | 53.5 | 55.5 | 61.5 | 59.5 | 55.5 | 55.5 |
| 77.5° | 39.6 | 39.6 | 39.6 | 37.7 | 41.6 | 41.6 | 39.6 | 43.6 | 41.6 | 41.6 | 39.6 |
| 80° | 27.8 | 29.7 | 27.8 | 25.8 | 27.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 23.8 |
| 82.5° | 21.8 | 17.9 | 19.8 | 17.9 | 19.8 | 19.8 | 17.9 | 15.9 | 15.9 | 17.9 | 15.9 |
| 85° | 15.9 | 11.9 | 13.9 | 13.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 9.9 | 9.9 |
| 87.5° | 9.9 | 6.0 | 6.0 | 6.0 | 7.9 | 7.9 | 7.9 | 6.0 | 7.9 | 7.9 | 4.0 |
| 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: P249272

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 |
| 2.5° | 3700.4 | 3698.4 | 3702.3 | 3700.4 | 3700.4 | 3698.4 | 3700.4 | 3698.4 | 3702.3 | 3694.4 | 3696.4 |
| 5° | 3700.4 | 3696.4 | 3698.4 | 3700.4 | 3702.3 | 3698.4 | 3698.4 | 3698.4 | 3702.3 | 3698.4 | 3700.4 |
| 7.5° | 3692.4 | 3690.4 | 3696.4 | 3700.4 | 3698.4 | 3696.4 | 3700.4 | 3698.4 | 3702.3 | 3700.4 | 3704.3 |
| 10° | 3676.5 | 3678.5 | 3682.5 | 3688.4 | 3690.4 | 3692.4 | 3696.4 | 3696.4 | 3702.3 | 3694.4 | 3698.4 |
| 12.5° | 3652.8 | 3660.7 | 3670.6 | 3674.5 | 3682.5 | 3682.5 | 3686.5 | 3688.4 | 3692.4 | 3690.4 | 3696.4 |
| 15° | 3623.0 | 3632.9 | 3644.8 | 3654.7 | 3664.6 | 3670.6 | 3676.5 | 3678.5 | 3684.5 | 3678.5 | 3680.5 |
| 17.5° | 3587.3 | 3599.2 | 3617.0 | 3628.9 | 3644.8 | 3650.8 | 3658.7 | 3662.7 | 3668.6 | 3664.6 | 3666.6 |
| 20° | 3537.7 | 3551.6 | 3571.4 | 3589.3 | 3599.2 | 3613.1 | 3623.0 | 3628.9 | 3632.9 | 3628.9 | 3630.9 |
| 22.5° | 3468.3 | 3488.2 | 3513.9 | 3527.8 | 3547.7 | 3559.6 | 3561.5 | 3575.4 | 3585.3 | 3575.4 | 3579.4 |
| 25° | 3387.0 | 3406.9 | 3426.7 | 3456.4 | 3474.3 | 3488.2 | 3502.1 | 3504.0 | 3513.9 | 3512.0 | 3510.0 |
| 27.5° | 3252.2 | 3278.0 | 3311.7 | 3335.5 | 3359.3 | 3381.1 | 3397.0 | 3400.9 | 3410.8 | 3406.9 | 3408.8 |
| 30° | 3067.7 | 3095.5 | 3127.3 | 3164.9 | 3198.6 | 3220.4 | 3240.3 | 3254.2 | 3264.1 | 3258.1 | 3256.1 |
| 32.5° | 2806.0 | 2833.8 | 2867.5 | 2905.1 | 2944.8 | 2976.5 | 3000.3 | 3018.2 | 3030.1 | 3026.1 | 3016.2 |
| 35° | 2506.6 | 2514.5 | 2536.3 | 2566.1 | 2599.7 | 2633.5 | 2655.3 | 2675.1 | 2689.0 | 2693.0 | 2693.0 |
| 37.5° | 2199.2 | 2173.4 | 2157.6 | 2157.6 | 2177.4 | 2191.2 | 2211.1 | 2223.0 | 2244.8 | 2252.7 | 2258.7 |
| 40° | 1901.7 | 1842.2 | 1786.7 | 1745.1 | 1717.3 | 1715.3 | 1715.3 | 1721.3 | 1741.1 | 1766.9 | 1790.7 |
| 42.5° | 1636.0 | 1540.8 | 1455.6 | 1378.2 | 1322.7 | 1291.0 | 1277.1 | 1279.1 | 1294.9 | 1318.7 | 1358.4 |
| 45° | 1423.8 | 1304.8 | 1197.8 | 1104.5 | 1029.2 | 979.6 | 955.8 | 953.8 | 965.7 | 993.5 | 1037.2 |
| 47.5° | 1259.2 | 1132.3 | 1011.3 | 904.3 | 823.0 | 769.4 | 741.7 | 733.7 | 741.7 | 767.4 | 819.0 |
| 50° | 1122.4 | 991.5 | 866.6 | 755.5 | 668.3 | 612.8 | 587.0 | 577.1 | 587.0 | 608.8 | 660.3 |
| 52.5° | 995.5 | 860.6 | 743.6 | 636.6 | 543.3 | 495.7 | 468.0 | 462.0 | 468.0 | 493.8 | 535.4 |
| 55° | 848.7 | 733.7 | 618.7 | 511.6 | 430.3 | 382.7 | 360.9 | 355.0 | 360.9 | 384.7 | 428.3 |
| 57.5° | 704.0 | 604.8 | 503.7 | 406.5 | 337.1 | 295.4 | 275.7 | 267.7 | 281.6 | 297.4 | 349.0 |
| 60° | 569.1 | 489.8 | 404.5 | 319.3 | 261.8 | 224.1 | 208.2 | 206.2 | 210.2 | 230.0 | 265.7 |
| 62.5° | 446.2 | 380.7 | 313.3 | 243.9 | 196.3 | 180.5 | 160.6 | 158.7 | 162.6 | 174.5 | 202.3 |
| 65° | 321.3 | 279.6 | 228.1 | 178.5 | 140.8 | 119.0 | 111.1 | 113.1 | 117.0 | 124.9 | 150.7 |
| 67.5° | 224.1 | 194.3 | 158.7 | 124.9 | 97.2 | 87.2 | 79.3 | 77.3 | 79.3 | 93.2 | 107.1 |
| 70° | 150.7 | 132.9 | 107.1 | 95.2 | 67.4 | 53.5 | 55.5 | 49.6 | 57.5 | 57.5 | 69.4 |
| 72.5° | 99.1 | 87.2 | 71.4 | 55.5 | 47.6 | 37.7 | 37.7 | 35.7 | 39.6 | 41.6 | 51.6 |
| 75° | 51.6 | 39.6 | 39.6 | 27.8 | 19.8 | 9.9 | 17.9 | 15.9 | 13.9 | 15.9 | 19.8 |
| 77.5° | 35.7 | 29.7 | 27.8 | 21.8 | 19.8 | 15.9 | 15.9 | 15.9 | 15.9 | 17.9 | 19.8 |
| 80° | 21.8 | 21.8 | 15.9 | 13.9 | 11.9 | 9.9 | 11.9 | 11.9 | 11.9 | 11.9 | 13.9 |
| 82.5° | 13.9 | 11.9 | 11.9 | 9.9 | 9.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 11.9 |
| 85° | 11.9 | 7.9 | 7.9 | 6.0 | 7.9 | 13.9 | 6.0 | 7.9 | 7.9 | 7.9 | 6.0 |
| 87.5° | 4.0 | 6.0 | 6.0 | 6.0 | 4.0 | 2.0 | 4.0 | 6.0 | 6.0 | 9.9 | 7.9 |
| 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: P249272

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 | 3694.4 |
| 2.5° | 3700.4 | 3702.3 | 3702.3 | 3700.4 | 3700.4 | 3696.4 | 3704.3 | 3698.4 | 3700.4 | 3708.3 | 3702.3 |
| 5° | 3704.3 | 3706.3 | 3706.3 | 3704.3 | 3704.3 | 3704.3 | 3706.3 | 3706.3 | 3704.3 | 3702.3 | 3706.3 |
| 7.5° | 3712.2 | 3710.3 | 3710.3 | 3706.3 | 3706.3 | 3702.3 | 3706.3 | 3700.4 | 3704.3 | 3700.4 | 3706.3 |
| 10° | 3702.3 | 3704.3 | 3702.3 | 3700.4 | 3700.4 | 3698.4 | 3698.4 | 3692.4 | 3694.4 | 3688.4 | 3692.4 |
| 12.5° | 3696.4 | 3694.4 | 3694.4 | 3690.4 | 3686.5 | 3682.5 | 3680.5 | 3674.5 | 3674.5 | 3660.7 | 3666.6 |
| 15° | 3680.5 | 3682.5 | 3676.5 | 3668.6 | 3664.6 | 3654.7 | 3650.8 | 3642.8 | 3634.9 | 3625.0 | 3627.0 |
| 17.5° | 3666.6 | 3660.7 | 3652.8 | 3644.8 | 3628.9 | 3621.0 | 3613.1 | 3601.2 | 3597.2 | 3585.3 | 3581.4 |
| 20° | 3625.0 | 3621.0 | 3611.1 | 3597.2 | 3587.3 | 3569.5 | 3561.5 | 3549.7 | 3539.7 | 3527.8 | 3521.9 |
| 22.5° | 3571.4 | 3567.5 | 3555.6 | 3541.7 | 3525.8 | 3517.9 | 3510.0 | 3488.2 | 3478.2 | 3466.3 | 3464.4 |
| 25° | 3504.0 | 3498.1 | 3486.2 | 3470.3 | 3462.4 | 3440.6 | 3432.6 | 3416.8 | 3412.8 | 3400.9 | 3398.9 |
| 27.5° | 3400.9 | 3393.0 | 3379.1 | 3359.3 | 3345.4 | 3331.5 | 3323.6 | 3311.7 | 3307.7 | 3295.8 | 3293.8 |
| 30° | 3246.2 | 3236.3 | 3208.5 | 3200.6 | 3176.8 | 3162.9 | 3162.9 | 3147.1 | 3149.1 | 3141.1 | 3141.1 |
| 32.5° | 3002.3 | 2986.5 | 2964.6 | 2948.8 | 2932.9 | 2925.0 | 2925.0 | 2919.0 | 2923.0 | 2923.0 | 2927.0 |
| 35° | 2679.1 | 2657.3 | 2645.4 | 2635.5 | 2635.5 | 2643.4 | 2667.2 | 2673.2 | 2685.0 | 2694.9 | 2702.9 |
| 37.5° | 2264.6 | 2262.7 | 2276.5 | 2288.4 | 2318.2 | 2351.9 | 2393.5 | 2429.2 | 2462.9 | 2486.7 | 2510.5 |
| 40° | 1816.5 | 1866.0 | 1905.7 | 1961.2 | 2006.8 | 2072.3 | 2147.6 | 2209.1 | 2266.6 | 2308.3 | 2351.9 |
| 42.5° | 1417.9 | 1481.3 | 1564.6 | 1645.9 | 1727.2 | 1816.5 | 1915.6 | 2000.9 | 2076.2 | 2133.7 | 2179.4 |
| 45° | 1104.5 | 1191.8 | 1293.0 | 1396.1 | 1501.2 | 1612.2 | 1715.3 | 1802.6 | 1881.9 | 1941.4 | 1987.0 |
| 47.5° | 890.4 | 985.6 | 1100.6 | 1213.6 | 1332.6 | 1449.6 | 1564.6 | 1640.0 | 1705.4 | 1753.0 | 1794.7 |
| 50° | 735.7 | 836.9 | 957.8 | 1086.7 | 1205.7 | 1322.7 | 1421.8 | 1495.2 | 1548.8 | 1590.4 | 1616.2 |
| 52.5° | 614.7 | 721.8 | 850.7 | 979.6 | 1098.6 | 1205.7 | 1294.9 | 1350.5 | 1394.1 | 1423.8 | 1447.6 |
| 55° | 507.6 | 610.8 | 731.8 | 852.7 | 969.7 | 1070.8 | 1144.2 | 1185.9 | 1219.5 | 1237.4 | 1251.3 |
| 57.5° | 414.5 | 509.6 | 620.7 | 731.8 | 832.9 | 916.2 | 973.7 | 1015.3 | 1031.2 | 1045.1 | 1043.1 |
| 60° | 325.2 | 414.5 | 515.6 | 610.8 | 698.0 | 765.4 | 807.1 | 830.9 | 842.8 | 848.7 | 844.8 |
| 62.5° | 255.8 | 337.1 | 414.5 | 497.7 | 561.2 | 618.7 | 658.4 | 658.4 | 664.3 | 666.3 | 672.3 |
| 65° | 190.4 | 251.8 | 319.3 | 380.7 | 432.3 | 470.0 | 491.8 | 497.7 | 505.7 | 503.7 | 499.7 |
| 67.5° | 140.8 | 186.4 | 236.0 | 281.6 | 317.3 | 341.1 | 356.9 | 370.9 | 368.9 | 364.9 | 362.9 |
| 70° | 97.2 | 126.9 | 170.6 | 198.3 | 224.1 | 247.9 | 251.8 | 253.8 | 255.8 | 257.8 | 253.8 |
| 72.5° | 67.4 | 89.2 | 113.1 | 136.8 | 152.7 | 162.6 | 172.5 | 174.5 | 174.5 | 174.5 | 172.5 |
| 75° | 33.7 | 45.6 | 67.4 | 77.3 | 91.2 | 95.2 | 103.1 | 103.1 | 109.1 | 101.1 | 99.1 |
| 77.5° | 29.7 | 35.7 | 47.6 | 55.5 | 61.5 | 67.4 | 69.4 | 75.4 | 73.4 | 69.4 | 71.4 |
| 80° | 17.9 | 21.8 | 29.7 | 33.7 | 41.6 | 43.6 | 45.6 | 47.6 | 45.6 | 47.6 | 47.6 |
| 82.5° | 13.9 | 15.9 | 19.8 | 19.8 | 25.8 | 25.8 | 27.8 | 27.8 | 29.7 | 29.7 | 29.7 |
| 85° | 7.9 | 13.9 | 11.9 | 23.8 | 15.9 | 15.9 | 19.8 | 23.8 | 19.8 | 19.8 | 23.8 |
| 87.5° | 7.9 | 7.9 | 6.0 | 7.9 | 7.9 | 7.9 | 9.9 | 11.9 | 11.9 | 13.9 | 11.9 |
| 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: P249272

CATALOG NUMBER: LD8B70D010 ER8B70950 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3694.4 | 3694.4 | 3694.4 | 3694.4 |
| 2.5° | 3700.4 | 3704.3 | 3698.4 | 3696.4 |
| 5° | 3706.3 | 3706.3 | 3702.3 | 3702.3 |
| 7.5° | 3706.3 | 3706.3 | 3700.4 | 3696.4 |
| 10° | 3690.4 | 3690.4 | 3684.5 | 3680.5 |
| 12.5° | 3660.7 | 3660.7 | 3658.7 | 3652.8 |
| 15° | 3623.0 | 3623.0 | 3615.1 | 3609.1 |
| 17.5° | 3571.4 | 3575.4 | 3565.5 | 3565.5 |
| 20° | 3515.9 | 3513.9 | 3506.0 | 3502.1 |
| 22.5° | 3458.4 | 3454.5 | 3452.5 | 3440.6 |
| 25° | 3397.0 | 3393.0 | 3387.0 | 3381.1 |
| 27.5° | 3291.9 | 3289.9 | 3283.9 | 3276.0 |
| 30° | 3131.2 | 3129.2 | 3121.3 | 3121.3 |
| 32.5° | 2923.0 | 2921.0 | 2913.1 | 2915.1 |
| 35° | 2706.8 | 2714.8 | 2710.8 | 2702.9 |
| 37.5° | 2526.4 | 2532.3 | 2536.3 | 2532.3 |
| 40° | 2375.7 | 2393.5 | 2395.5 | 2399.5 |
| 42.5° | 2215.1 | 2238.8 | 2246.8 | 2250.7 |
| 45° | 2022.7 | 2044.5 | 2062.4 | 2058.4 |
| 47.5° | 1826.4 | 1842.2 | 1858.1 | 1846.2 |
| 50° | 1638.0 | 1647.9 | 1653.9 | 1653.9 |
| 52.5° | 1459.5 | 1459.5 | 1457.5 | 1459.5 |
| 55° | 1255.3 | 1255.3 | 1247.3 | 1251.3 |
| 57.5° | 1041.1 | 1045.1 | 1039.1 | 1029.2 |
| 60° | 842.8 | 832.9 | 828.9 | 823.0 |
| 62.5° | 656.4 | 656.4 | 642.5 | 660.3 |
| 65° | 491.8 | 485.8 | 479.9 | 477.9 |
| 67.5° | 356.9 | 355.0 | 349.0 | 347.0 |
| 70° | 251.8 | 243.9 | 241.9 | 238.0 |
| 72.5° | 168.6 | 168.6 | 164.6 | 164.6 |
| 75° | 103.1 | 93.2 | 91.2 | 93.2 |
| 77.5° | 71.4 | 69.4 | 69.4 | 67.4 |
| 80° | 47.6 | 45.6 | 49.6 | 43.6 |
| 82.5° | 29.7 | 31.7 | 29.7 | 31.7 |
| 85° | 19.8 | 23.8 | 21.8 | 21.8 |
| 87.5° | 11.9 | 11.9 | 11.9 | 11.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)