

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: P249218

Luminaire Tested: **LD8B70D010 ER8B70840 8LBDW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249218
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 ER8B70840 8LBDW0WMH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT
80 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7543.0 lumens
Efficiency: N/A
Efficacy: 99.4 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

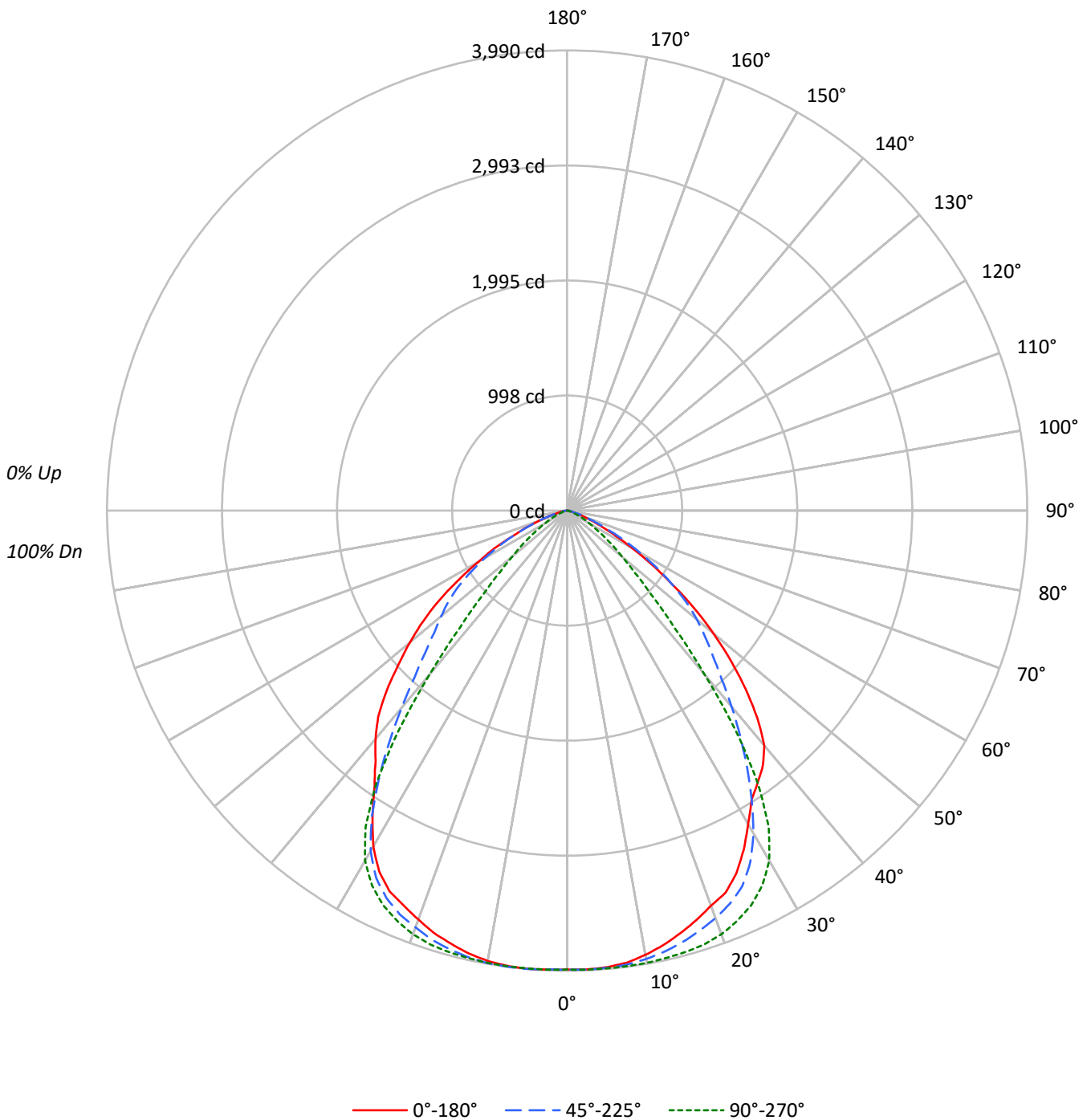
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P249218

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBDW0WMH

Luminous Intensity Polar Plot





TEST NUMBER: P249218

CATALOG NUMBER: LD8B70D010 ER8B70840 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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 90 |
| 2 | 104 | 97 | 92 | 88 | 101 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 83 | 81 | 79 |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 84 | 78 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 |
| 4 | 89 | 80 | 72 | 67 | 87 | 78 | 72 | 66 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 67 | 64 | 62 |
| 5 | 83 | 72 | 65 | 59 | 81 | 71 | 64 | 59 | 69 | 63 | 58 | 68 | 62 | 58 | 66 | 61 | 57 | 55 |
| 6 | 78 | 66 | 58 | 53 | 76 | 65 | 58 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 50 |
| 7 | 72 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 8 | 68 | 56 | 48 | 43 | 66 | 55 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 41 |
| 9 | 64 | 52 | 44 | 39 | 62 | 51 | 44 | 39 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 37 |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 122722 | 122722 | 122722 |
| 5° | 122993 | 123324 | 123457 |
| 10° | 122477 | 124684 | 124149 |
| 15° | 121120 | 126506 | 124121 |
| 20° | 119664 | 128285 | 123799 |
| 25° | 118111 | 128434 | 123926 |
| 30° | 111741 | 124823 | 119728 |
| 35° | 108404 | 108483 | 109609 |
| 40° | 107059 | 74639 | 104052 |
| 45° | 95395 | 44808 | 96699 |
| 50° | 79323 | 29825 | 85468 |
| 55° | 59492 | 20558 | 72470 |
| 60° | 40315 | 13704 | 54679 |
| 65° | 24319 | 8887 | 37562 |
| 70° | 13479 | 4815 | 23108 |
| 75° | 6112 | 2037 | 11962 |
| 80° | 5310 | 2273 | 8346 |
| 85° | 6050 | 3007 | 8314 |



TEST NUMBER: P249218

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBDW0WMH

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 379.8 | 5.0 |
| 10°-20° | 1103.0 | 14.6 |
| 20°-30° | 1674.2 | 22.2 |
| 30°-40° | 1758.4 | 23.3 |
| 40°-50° | 1318.4 | 17.5 |
| 50°-60° | 845.9 | 11.2 |
| 60°-70° | 361.9 | 4.8 |
| 70°-80° | 85.5 | 1.1 |
| 80°-90° | 15.9 | 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° | 3157.1 | 41.9 |
| 0°-40° | 4915.5 | 65.2 |
| 0°-60° | 7079.8 | 93.9 |
| 0°-90° | 7543.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7543.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3980 | 3980 | 3980 | 3980 | 3980 | |
| 5° | 3973 | 3980 | 3984 | 3990 | 3988 | 377 |
| 15° | 3794 | 3873 | 3963 | 3937 | 3888 | 1070 |
| 25° | 3471 | 3593 | 3775 | 3706 | 3642 | 1586 |
| 35° | 2880 | 2719 | 2882 | 2848 | 2912 | 1807 |
| 45° | 2188 | 1788 | 1028 | 1737 | 2217 | 1675 |
| 55° | 1107 | 1107 | 382 | 1154 | 1348 | 1004 |
| 65° | 333 | 393 | 122 | 506 | 515 | 356 |
| 75° | 51 | 60 | 17 | 103 | 100 | 75 |
| 85° | 17 | 11 | 8 | 17 | 24 | 18 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P249218

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBDW0WMH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 |
| 2.5° | 3982.0 | 3986.3 | 3984.1 | 3984.1 | 3982.0 | 3984.1 | 3984.1 | 3988.4 | 3988.4 | 3984.1 | 3982.0 |
| 5° | 3973.4 | 3977.7 | 3977.7 | 3973.4 | 3973.4 | 3984.1 | 3977.7 | 3982.0 | 3982.0 | 3979.8 | 3979.8 |
| 7.5° | 3954.2 | 3954.2 | 3962.7 | 3956.4 | 3956.4 | 3962.7 | 3960.6 | 3964.9 | 3969.2 | 3971.3 | 3971.3 |
| 10° | 3911.5 | 3915.8 | 3917.9 | 3917.9 | 3920.0 | 3926.4 | 3930.7 | 3939.3 | 3943.5 | 3947.8 | 3949.9 |
| 12.5° | 3858.1 | 3864.5 | 3866.6 | 3864.5 | 3870.9 | 3879.4 | 3890.1 | 3900.8 | 3907.2 | 3915.8 | 3922.2 |
| 15° | 3794.0 | 3794.0 | 3798.2 | 3804.7 | 3809.0 | 3821.8 | 3832.4 | 3845.2 | 3862.3 | 3873.0 | 3883.7 |
| 17.5° | 3723.5 | 3727.8 | 3734.2 | 3734.2 | 3742.7 | 3764.1 | 3770.5 | 3789.7 | 3809.0 | 3819.6 | 3841.0 |
| 20° | 3646.6 | 3650.8 | 3657.3 | 3661.6 | 3672.2 | 3689.3 | 3702.1 | 3719.2 | 3740.6 | 3759.8 | 3781.2 |
| 22.5° | 3586.8 | 3578.2 | 3582.5 | 3586.8 | 3597.5 | 3612.4 | 3627.4 | 3648.7 | 3670.1 | 3689.3 | 3710.7 |
| 25° | 3471.4 | 3473.5 | 3480.0 | 3484.2 | 3497.1 | 3509.9 | 3527.0 | 3552.6 | 3571.8 | 3593.2 | 3616.7 |
| 27.5° | 3315.5 | 3317.6 | 3328.3 | 3328.3 | 3338.9 | 3360.3 | 3371.0 | 3392.4 | 3418.0 | 3439.4 | 3467.2 |
| 30° | 3138.2 | 3142.4 | 3142.4 | 3151.0 | 3157.4 | 3168.1 | 3178.7 | 3200.1 | 3212.9 | 3232.2 | 3270.6 |
| 32.5° | 2975.8 | 2980.1 | 2977.9 | 2975.8 | 2969.4 | 2967.2 | 2965.1 | 2969.4 | 2973.7 | 2980.1 | 2995.0 |
| 35° | 2879.7 | 2869.0 | 2860.5 | 2845.5 | 2828.4 | 2807.0 | 2787.8 | 2762.2 | 2738.7 | 2719.4 | 2698.1 |
| 37.5° | 2787.8 | 2785.7 | 2772.9 | 2751.5 | 2717.3 | 2678.9 | 2634.0 | 2578.5 | 2522.9 | 2463.1 | 2405.4 |
| 40° | 2659.6 | 2653.2 | 2642.5 | 2612.6 | 2574.2 | 2527.2 | 2467.4 | 2399.0 | 2309.3 | 2217.4 | 2123.4 |
| 42.5° | 2441.7 | 2443.9 | 2431.1 | 2407.5 | 2371.3 | 2326.4 | 2264.4 | 2189.7 | 2093.5 | 1984.6 | 1862.8 |
| 45° | 2187.5 | 2187.5 | 2183.2 | 2164.0 | 2138.4 | 2102.1 | 2055.1 | 1993.1 | 1899.1 | 1788.0 | 1657.7 |
| 47.5° | 1922.6 | 1924.8 | 1918.3 | 1914.1 | 1903.4 | 1879.9 | 1845.7 | 1798.7 | 1732.5 | 1625.7 | 1495.4 |
| 50° | 1653.5 | 1653.5 | 1664.1 | 1662.0 | 1662.0 | 1653.5 | 1638.5 | 1610.7 | 1553.1 | 1467.6 | 1345.9 |
| 52.5° | 1384.3 | 1388.6 | 1395.0 | 1403.5 | 1414.2 | 1431.3 | 1414.2 | 1401.4 | 1365.0 | 1298.8 | 1194.2 |
| 55° | 1106.6 | 1110.9 | 1121.5 | 1136.5 | 1149.3 | 1166.4 | 1170.7 | 1170.7 | 1151.4 | 1106.6 | 1027.5 |
| 57.5° | 869.5 | 863.0 | 871.6 | 884.4 | 901.5 | 918.6 | 931.4 | 946.4 | 944.2 | 914.3 | 850.2 |
| 60° | 653.7 | 655.8 | 662.2 | 675.1 | 687.9 | 702.8 | 719.9 | 732.7 | 739.2 | 724.2 | 683.6 |
| 62.5° | 476.4 | 476.4 | 484.9 | 497.7 | 504.2 | 525.5 | 536.2 | 542.6 | 549.0 | 546.9 | 521.2 |
| 65° | 333.3 | 337.5 | 341.8 | 348.2 | 354.6 | 367.4 | 373.8 | 386.6 | 390.9 | 393.1 | 373.8 |
| 67.5° | 235.0 | 228.6 | 232.9 | 237.1 | 243.5 | 252.1 | 264.9 | 264.9 | 271.3 | 271.3 | 258.5 |
| 70° | 149.5 | 149.5 | 151.7 | 158.1 | 162.4 | 164.5 | 168.8 | 173.0 | 179.4 | 177.3 | 177.3 |
| 72.5° | 100.4 | 98.3 | 100.4 | 102.6 | 104.7 | 111.1 | 111.1 | 113.2 | 117.5 | 119.6 | 111.1 |
| 75° | 51.3 | 53.4 | 57.7 | 55.6 | 61.9 | 57.7 | 59.8 | 66.2 | 64.1 | 59.8 | 59.8 |
| 77.5° | 42.7 | 42.7 | 42.7 | 40.6 | 44.8 | 44.8 | 42.7 | 47.0 | 44.8 | 44.8 | 42.7 |
| 80° | 29.9 | 32.0 | 29.9 | 27.8 | 29.9 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 | 25.6 |
| 82.5° | 23.5 | 19.2 | 21.4 | 19.2 | 21.4 | 21.4 | 19.2 | 17.1 | 17.1 | 19.2 | 17.1 |
| 85° | 17.1 | 12.8 | 14.9 | 14.9 | 12.8 | 12.8 | 12.8 | 12.8 | 12.8 | 10.7 | 10.7 |
| 87.5° | 10.7 | 6.4 | 6.4 | 6.4 | 8.5 | 8.5 | 8.5 | 6.4 | 8.5 | 8.5 | 4.3 |
| 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: P249218

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 |
| 2.5° | 3986.3 | 3984.1 | 3988.4 | 3986.3 | 3986.3 | 3984.1 | 3986.3 | 3984.1 | 3988.4 | 3979.8 | 3982.0 |
| 5° | 3986.3 | 3982.0 | 3984.1 | 3986.3 | 3988.4 | 3984.1 | 3984.1 | 3984.1 | 3988.4 | 3984.1 | 3986.3 |
| 7.5° | 3977.7 | 3975.5 | 3982.0 | 3986.3 | 3984.1 | 3982.0 | 3986.3 | 3984.1 | 3988.4 | 3986.3 | 3990.5 |
| 10° | 3960.6 | 3962.7 | 3967.0 | 3973.4 | 3975.5 | 3977.7 | 3982.0 | 3982.0 | 3988.4 | 3979.8 | 3984.1 |
| 12.5° | 3935.0 | 3943.5 | 3954.2 | 3958.5 | 3967.0 | 3967.0 | 3971.3 | 3973.4 | 3977.7 | 3975.5 | 3982.0 |
| 15° | 3902.9 | 3913.6 | 3926.4 | 3937.1 | 3947.8 | 3954.2 | 3960.6 | 3962.7 | 3969.2 | 3962.7 | 3964.9 |
| 17.5° | 3864.5 | 3877.3 | 3896.5 | 3909.3 | 3926.4 | 3932.8 | 3941.4 | 3945.7 | 3952.1 | 3947.8 | 3949.9 |
| 20° | 3811.1 | 3826.1 | 3847.4 | 3866.6 | 3877.3 | 3892.2 | 3902.9 | 3909.3 | 3913.6 | 3909.3 | 3911.5 |
| 22.5° | 3736.3 | 3757.7 | 3785.4 | 3800.4 | 3821.8 | 3834.6 | 3836.7 | 3851.7 | 3862.3 | 3851.7 | 3856.0 |
| 25° | 3648.7 | 3670.1 | 3691.5 | 3723.5 | 3742.7 | 3757.7 | 3772.6 | 3774.8 | 3785.4 | 3783.3 | 3781.2 |
| 27.5° | 3503.4 | 3531.2 | 3567.5 | 3593.2 | 3618.8 | 3642.3 | 3659.4 | 3663.7 | 3674.4 | 3670.1 | 3672.2 |
| 30° | 3304.8 | 3334.7 | 3368.9 | 3409.5 | 3445.8 | 3469.3 | 3490.6 | 3505.6 | 3516.2 | 3509.9 | 3507.7 |
| 32.5° | 3022.8 | 3052.7 | 3089.0 | 3129.6 | 3172.4 | 3206.5 | 3232.2 | 3251.4 | 3264.2 | 3259.9 | 3249.2 |
| 35° | 2700.2 | 2708.8 | 2732.3 | 2764.3 | 2800.6 | 2836.9 | 2860.5 | 2881.8 | 2896.7 | 2901.0 | 2901.0 |
| 37.5° | 2369.1 | 2341.4 | 2324.3 | 2324.3 | 2345.6 | 2360.5 | 2381.9 | 2394.7 | 2418.2 | 2426.8 | 2433.2 |
| 40° | 2048.6 | 1984.6 | 1924.8 | 1879.9 | 1850.0 | 1847.9 | 1847.9 | 1854.2 | 1875.6 | 1903.4 | 1929.0 |
| 42.5° | 1762.4 | 1659.9 | 1568.0 | 1484.7 | 1424.9 | 1390.7 | 1375.8 | 1377.9 | 1395.0 | 1420.6 | 1463.3 |
| 45° | 1533.8 | 1405.7 | 1290.3 | 1189.9 | 1108.7 | 1055.3 | 1029.7 | 1027.5 | 1040.3 | 1070.2 | 1117.3 |
| 47.5° | 1356.5 | 1219.8 | 1089.5 | 974.1 | 886.6 | 828.9 | 799.0 | 790.4 | 799.0 | 826.7 | 882.3 |
| 50° | 1209.1 | 1068.1 | 933.6 | 813.9 | 719.9 | 660.1 | 632.3 | 621.7 | 632.3 | 655.8 | 711.4 |
| 52.5° | 1072.4 | 927.1 | 801.1 | 685.7 | 585.3 | 534.0 | 504.2 | 497.7 | 504.2 | 531.9 | 576.8 |
| 55° | 914.3 | 790.4 | 666.5 | 551.1 | 463.6 | 412.3 | 388.8 | 382.4 | 388.8 | 414.5 | 461.4 |
| 57.5° | 758.4 | 651.6 | 542.6 | 437.9 | 363.2 | 318.3 | 296.9 | 288.4 | 303.3 | 320.4 | 376.0 |
| 60° | 613.1 | 527.7 | 435.8 | 343.9 | 282.0 | 241.4 | 224.3 | 222.2 | 226.4 | 247.8 | 286.2 |
| 62.5° | 480.7 | 410.2 | 337.5 | 262.8 | 211.5 | 194.4 | 173.0 | 170.9 | 175.2 | 188.0 | 217.9 |
| 65° | 346.1 | 301.2 | 245.7 | 192.3 | 151.7 | 128.2 | 119.6 | 121.8 | 126.0 | 134.6 | 162.4 |
| 67.5° | 241.4 | 209.3 | 170.9 | 134.6 | 104.7 | 94.0 | 85.5 | 83.3 | 85.5 | 100.4 | 115.4 |
| 70° | 162.4 | 143.1 | 115.4 | 102.6 | 72.7 | 57.7 | 59.8 | 53.4 | 61.9 | 61.9 | 74.7 |
| 72.5° | 106.8 | 94.0 | 76.9 | 59.8 | 51.3 | 40.6 | 40.6 | 38.5 | 42.7 | 44.8 | 55.6 |
| 75° | 55.6 | 42.7 | 42.7 | 29.9 | 21.4 | 10.7 | 19.2 | 17.1 | 14.9 | 17.1 | 21.4 |
| 77.5° | 38.5 | 32.0 | 29.9 | 23.5 | 21.4 | 17.1 | 17.1 | 17.1 | 17.1 | 19.2 | 21.4 |
| 80° | 23.5 | 23.5 | 17.1 | 14.9 | 12.8 | 10.7 | 12.8 | 12.8 | 12.8 | 12.8 | 14.9 |
| 82.5° | 14.9 | 12.8 | 12.8 | 10.7 | 10.7 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 12.8 |
| 85° | 12.8 | 8.5 | 8.5 | 6.4 | 8.5 | 14.9 | 6.4 | 8.5 | 8.5 | 8.5 | 6.4 |
| 87.5° | 4.3 | 6.4 | 6.4 | 6.4 | 4.3 | 2.1 | 4.3 | 6.4 | 6.4 | 10.7 | 8.5 |
| 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: P249218

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 | 3979.8 |
| 2.5° | 3986.3 | 3988.4 | 3988.4 | 3986.3 | 3986.3 | 3982.0 | 3990.5 | 3984.1 | 3986.3 | 3994.8 | 3988.4 |
| 5° | 3990.5 | 3992.6 | 3992.6 | 3990.5 | 3990.5 | 3990.5 | 3992.6 | 3992.6 | 3990.5 | 3988.4 | 3992.6 |
| 7.5° | 3999.1 | 3996.9 | 3996.9 | 3992.6 | 3992.6 | 3988.4 | 3992.6 | 3986.3 | 3990.5 | 3986.3 | 3992.6 |
| 10° | 3988.4 | 3990.5 | 3988.4 | 3986.3 | 3986.3 | 3984.1 | 3984.1 | 3977.7 | 3979.8 | 3973.4 | 3977.7 |
| 12.5° | 3982.0 | 3979.8 | 3979.8 | 3975.5 | 3971.3 | 3967.0 | 3964.9 | 3958.5 | 3958.5 | 3943.5 | 3949.9 |
| 15° | 3964.9 | 3967.0 | 3960.6 | 3952.1 | 3947.8 | 3937.1 | 3932.8 | 3924.3 | 3915.8 | 3905.1 | 3907.2 |
| 17.5° | 3949.9 | 3943.5 | 3935.0 | 3926.4 | 3909.3 | 3900.8 | 3892.2 | 3879.4 | 3875.1 | 3862.3 | 3858.1 |
| 20° | 3905.1 | 3900.8 | 3890.1 | 3875.1 | 3864.5 | 3845.2 | 3836.7 | 3823.9 | 3813.2 | 3800.4 | 3794.0 |
| 22.5° | 3847.4 | 3843.1 | 3830.3 | 3815.3 | 3798.2 | 3789.7 | 3781.2 | 3757.7 | 3747.0 | 3734.2 | 3732.0 |
| 25° | 3774.8 | 3768.3 | 3755.5 | 3738.4 | 3729.9 | 3706.4 | 3697.8 | 3680.7 | 3676.5 | 3663.7 | 3661.6 |
| 27.5° | 3663.7 | 3655.1 | 3640.2 | 3618.8 | 3603.9 | 3588.9 | 3580.4 | 3567.5 | 3563.3 | 3550.4 | 3548.3 |
| 30° | 3497.1 | 3486.3 | 3456.4 | 3447.9 | 3422.3 | 3407.3 | 3407.3 | 3390.2 | 3392.4 | 3383.8 | 3383.8 |
| 32.5° | 3234.3 | 3217.2 | 3193.7 | 3176.6 | 3159.5 | 3151.0 | 3151.0 | 3144.6 | 3148.8 | 3148.8 | 3153.1 |
| 35° | 2886.1 | 2862.6 | 2849.7 | 2839.1 | 2839.1 | 2847.6 | 2873.3 | 2879.7 | 2892.5 | 2903.2 | 2911.7 |
| 37.5° | 2439.6 | 2437.5 | 2452.4 | 2465.2 | 2497.3 | 2533.6 | 2578.5 | 2616.9 | 2653.2 | 2678.9 | 2704.5 |
| 40° | 1956.8 | 2010.2 | 2052.9 | 2112.8 | 2161.9 | 2232.4 | 2313.6 | 2379.8 | 2441.7 | 2486.6 | 2533.6 |
| 42.5° | 1527.4 | 1595.8 | 1685.5 | 1773.1 | 1860.7 | 1956.8 | 2063.6 | 2155.5 | 2236.7 | 2298.6 | 2347.7 |
| 45° | 1189.9 | 1283.9 | 1392.9 | 1503.9 | 1617.1 | 1736.8 | 1847.9 | 1941.9 | 2027.3 | 2091.4 | 2140.5 |
| 47.5° | 959.2 | 1061.7 | 1185.6 | 1307.4 | 1435.6 | 1561.6 | 1685.5 | 1766.7 | 1837.2 | 1888.4 | 1933.3 |
| 50° | 792.5 | 901.5 | 1031.8 | 1170.7 | 1298.8 | 1424.9 | 1531.7 | 1610.7 | 1668.4 | 1713.3 | 1741.0 |
| 52.5° | 662.2 | 777.6 | 916.5 | 1055.3 | 1183.5 | 1298.8 | 1395.0 | 1454.8 | 1501.8 | 1533.8 | 1559.4 |
| 55° | 546.9 | 658.0 | 788.3 | 918.6 | 1044.6 | 1153.6 | 1232.6 | 1277.5 | 1313.8 | 1333.0 | 1348.0 |
| 57.5° | 446.5 | 549.0 | 668.6 | 788.3 | 897.2 | 987.0 | 1048.9 | 1093.8 | 1110.9 | 1125.8 | 1123.7 |
| 60° | 350.4 | 446.5 | 555.4 | 658.0 | 752.0 | 824.6 | 869.5 | 895.1 | 907.9 | 914.3 | 910.0 |
| 62.5° | 275.6 | 363.2 | 446.5 | 536.2 | 604.6 | 666.5 | 709.3 | 709.3 | 715.6 | 717.8 | 724.2 |
| 65° | 205.1 | 271.3 | 343.9 | 410.2 | 465.7 | 506.3 | 529.8 | 536.2 | 544.8 | 542.6 | 538.3 |
| 67.5° | 151.7 | 200.8 | 254.2 | 303.3 | 341.8 | 367.4 | 384.5 | 399.5 | 397.4 | 393.1 | 390.9 |
| 70° | 104.7 | 136.7 | 183.7 | 213.6 | 241.4 | 267.0 | 271.3 | 273.4 | 275.6 | 277.7 | 273.4 |
| 72.5° | 72.7 | 96.1 | 121.8 | 147.4 | 164.5 | 175.2 | 185.9 | 188.0 | 188.0 | 188.0 | 185.9 |
| 75° | 36.3 | 49.1 | 72.7 | 83.3 | 98.3 | 102.6 | 111.1 | 111.1 | 117.5 | 108.9 | 106.8 |
| 77.5° | 32.0 | 38.5 | 51.3 | 59.8 | 66.2 | 72.7 | 74.7 | 81.2 | 79.0 | 74.7 | 76.9 |
| 80° | 19.2 | 23.5 | 32.0 | 36.3 | 44.8 | 47.0 | 49.1 | 51.3 | 49.1 | 51.3 | 51.3 |
| 82.5° | 14.9 | 17.1 | 21.4 | 21.4 | 27.8 | 27.8 | 29.9 | 29.9 | 32.0 | 32.0 | 32.0 |
| 85° | 8.5 | 14.9 | 12.8 | 25.6 | 17.1 | 17.1 | 21.4 | 25.6 | 21.4 | 21.4 | 25.6 |
| 87.5° | 8.5 | 8.5 | 6.4 | 8.5 | 8.5 | 8.5 | 10.7 | 12.8 | 12.8 | 14.9 | 12.8 |
| 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: P249218

CATALOG NUMBER: LD8B70D010 ER8B70840 8LBDW0WMH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3979.8 | 3979.8 | 3979.8 | 3979.8 |
| 2.5° | 3986.3 | 3990.5 | 3984.1 | 3982.0 |
| 5° | 3992.6 | 3992.6 | 3988.4 | 3988.4 |
| 7.5° | 3992.6 | 3992.6 | 3986.3 | 3982.0 |
| 10° | 3975.5 | 3975.5 | 3969.2 | 3964.9 |
| 12.5° | 3943.5 | 3943.5 | 3941.4 | 3935.0 |
| 15° | 3902.9 | 3902.9 | 3894.4 | 3888.0 |
| 17.5° | 3847.4 | 3851.7 | 3841.0 | 3841.0 |
| 20° | 3787.6 | 3785.4 | 3776.9 | 3772.6 |
| 22.5° | 3725.6 | 3721.4 | 3719.2 | 3706.4 |
| 25° | 3659.4 | 3655.1 | 3648.7 | 3642.3 |
| 27.5° | 3546.2 | 3544.1 | 3537.6 | 3529.1 |
| 30° | 3373.1 | 3371.0 | 3362.5 | 3362.5 |
| 32.5° | 3148.8 | 3146.7 | 3138.2 | 3140.3 |
| 35° | 2916.0 | 2924.5 | 2920.3 | 2911.7 |
| 37.5° | 2721.6 | 2728.0 | 2732.3 | 2728.0 |
| 40° | 2559.2 | 2578.5 | 2580.6 | 2584.9 |
| 42.5° | 2386.2 | 2411.8 | 2420.4 | 2424.6 |
| 45° | 2179.0 | 2202.5 | 2221.7 | 2217.4 |
| 47.5° | 1967.5 | 1984.6 | 2001.7 | 1988.8 |
| 50° | 1764.6 | 1775.2 | 1781.6 | 1781.6 |
| 52.5° | 1572.3 | 1572.3 | 1570.2 | 1572.3 |
| 55° | 1352.2 | 1352.2 | 1343.7 | 1348.0 |
| 57.5° | 1121.5 | 1125.8 | 1119.4 | 1108.7 |
| 60° | 907.9 | 897.2 | 892.9 | 886.6 |
| 62.5° | 707.1 | 707.1 | 692.2 | 711.4 |
| 65° | 529.8 | 523.4 | 517.0 | 514.8 |
| 67.5° | 384.5 | 382.4 | 376.0 | 373.8 |
| 70° | 271.3 | 262.8 | 260.6 | 256.3 |
| 72.5° | 181.6 | 181.6 | 177.3 | 177.3 |
| 75° | 111.1 | 100.4 | 98.3 | 100.4 |
| 77.5° | 76.9 | 74.7 | 74.7 | 72.7 |
| 80° | 51.3 | 49.1 | 53.4 | 47.0 |
| 82.5° | 32.0 | 34.2 | 32.0 | 34.2 |
| 85° | 21.4 | 25.6 | 23.5 | 23.5 |
| 87.5° | 12.8 | 12.8 | 12.8 | 12.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)