

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: P248435

Luminaire Tested: **LSR8B70D010 EC8B70827 8LBDW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13956)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70827 8LBDW0WH
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7216.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.33 / 1.2
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

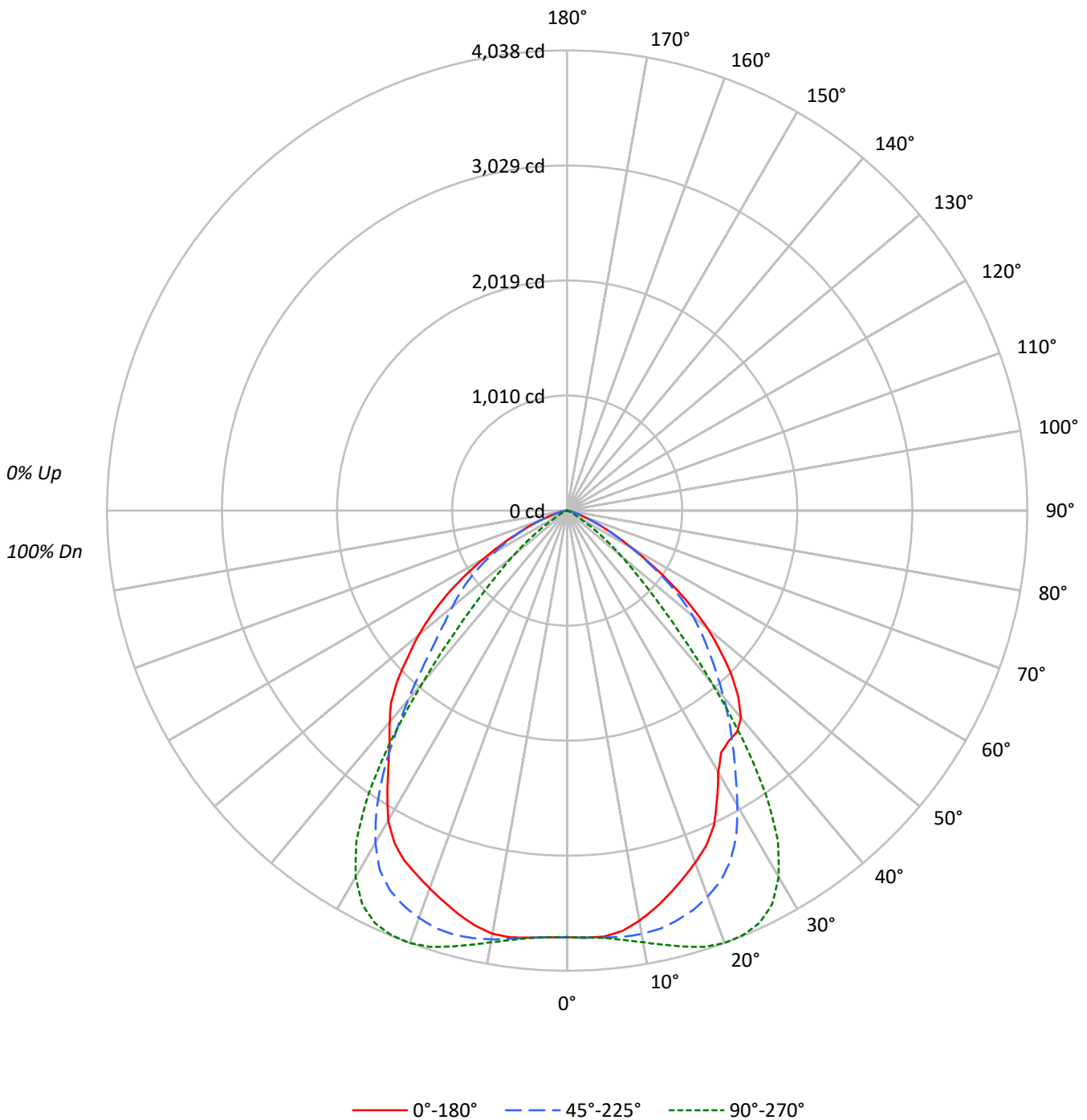
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P248435

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBDW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P248435

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBDW0WH

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 | 92 | 90 | | | | | 90 | | | |
| 2 | 104 | 98 | 92 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 85 | 89 | 86 | 83 | 86 | 84 | 81 | 79 | | | | | 79 | | | |
| 3 | 97 | 88 | 82 | 76 | 94 | 87 | 81 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 79 | 75 | 72 | 70 | | | | | 70 | | | |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 | | | | | 62 | | | |
| 5 | 84 | 73 | 65 | 60 | 82 | 72 | 65 | 59 | 70 | 63 | 59 | 68 | 62 | 58 | 66 | 61 | 58 | 56 | | | | | 56 | | | |
| 6 | 78 | 66 | 59 | 53 | 76 | 66 | 58 | 53 | 64 | 57 | 53 | 62 | 57 | 52 | 61 | 56 | 52 | 50 | | | | | 50 | | | |
| 7 | 73 | 61 | 53 | 48 | 71 | 60 | 53 | 48 | 59 | 52 | 48 | 57 | 52 | 47 | 56 | 51 | 47 | 45 | | | | | 45 | | | |
| 8 | 68 | 56 | 49 | 44 | 67 | 56 | 48 | 43 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 41 | | | | | 41 | | | |
| 9 | 64 | 52 | 45 | 40 | 63 | 51 | 44 | 40 | 50 | 44 | 39 | 49 | 44 | 39 | 48 | 43 | 39 | 38 | | | | | 38 | | | |
| 10 | 60 | 48 | 41 | 36 | 59 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 34 | | | | | 34 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 115433 | 115433 | 115433 |
| 5° | 116121 | 116551 | 116428 |
| 10° | 114414 | 120451 | 118087 |
| 15° | 111070 | 126419 | 117158 |
| 20° | 107844 | 132492 | 115736 |
| 25° | 103705 | 135885 | 115199 |
| 30° | 94379 | 132161 | 111784 |
| 35° | 92974 | 114514 | 102848 |
| 40° | 95498 | 79421 | 97499 |
| 45° | 88902 | 48005 | 91675 |
| 50° | 77111 | 29642 | 81688 |
| 55° | 59181 | 15489 | 69325 |
| 60° | 40315 | 6247 | 52323 |
| 65° | 25078 | 3189 | 36096 |
| 70° | 13614 | 1974 | 22035 |
| 75° | 7101 | 941 | 13022 |
| 80° | 3179 | 1065 | 7050 |
| 85° | 2123 | 708 | 6333 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 360.0 | 5.0 |
| 10°-20° | 1066.5 | 14.8 |
| 20°-30° | 1627.0 | 22.5 |
| 30°-40° | 1697.8 | 23.5 |
| 40°-50° | 1275.2 | 17.7 |
| 50°-60° | 784.6 | 10.9 |
| 60°-70° | 319.3 | 4.4 |
| 70°-80° | 75.2 | 1.0 |
| 80°-90° | 10.4 | 0.1 |
| 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° | 3053.4 | 42.3 |
| 0°-40° | 4751.2 | 65.8 |
| 0°-60° | 6811.1 | 94.4 |
| 0°-90° | 7216.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7216.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 3743 | 3743 | 3743 | 3743 | 3743 | |
| 5° | 3751 | 3761 | 3765 | 3761 | 3761 | 355 |
| 15° | 3479 | 3724 | 3960 | 3851 | 3670 | 980 |
| 25° | 3048 | 3390 | 3994 | 3678 | 3386 | 1386 |
| 35° | 2470 | 2539 | 3042 | 2812 | 2732 | 1559 |
| 45° | 2039 | 1764 | 1101 | 1643 | 2102 | 1555 |
| 55° | 1101 | 1045 | 288 | 1045 | 1290 | 989 |
| 65° | 344 | 348 | 44 | 467 | 495 | 358 |
| 75° | 60 | 60 | 8 | 105 | 109 | 72 |
| 85° | 6 | 6 | 2 | 14 | 18 | 8 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P248435

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBDW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 |
| 2.5° | 3753.4 | 3747.4 | 3753.4 | 3753.4 | 3755.4 | 3751.4 | 3753.4 | 3755.4 | 3751.4 | 3751.4 | 3751.4 |
| 5° | 3751.4 | 3747.4 | 3751.4 | 3749.4 | 3753.4 | 3753.4 | 3757.4 | 3757.4 | 3761.3 | 3761.3 | 3767.3 |
| 7.5° | 3719.6 | 3711.7 | 3719.6 | 3725.6 | 3729.5 | 3737.5 | 3747.4 | 3755.4 | 3763.3 | 3771.3 | 3781.2 |
| 10° | 3654.0 | 3654.0 | 3660.0 | 3671.9 | 3683.8 | 3697.7 | 3715.6 | 3735.5 | 3755.4 | 3773.2 | 3791.1 |
| 12.5° | 3572.6 | 3566.6 | 3578.5 | 3594.4 | 3612.3 | 3634.2 | 3662.0 | 3691.8 | 3723.6 | 3759.3 | 3787.2 |
| 15° | 3479.2 | 3473.2 | 3487.1 | 3503.0 | 3524.9 | 3556.7 | 3590.5 | 3630.2 | 3675.9 | 3723.6 | 3769.3 |
| 17.5° | 3383.8 | 3381.8 | 3395.7 | 3417.6 | 3435.5 | 3469.2 | 3513.0 | 3560.6 | 3612.3 | 3675.9 | 3735.5 |
| 20° | 3286.4 | 3284.5 | 3298.4 | 3316.3 | 3340.1 | 3371.9 | 3415.6 | 3471.2 | 3532.8 | 3604.4 | 3673.9 |
| 22.5° | 3185.1 | 3187.1 | 3199.0 | 3218.9 | 3238.8 | 3272.5 | 3318.2 | 3373.9 | 3441.4 | 3518.9 | 3596.4 |
| 25° | 3048.0 | 3038.1 | 3054.0 | 3073.8 | 3107.6 | 3135.4 | 3179.1 | 3238.8 | 3308.3 | 3389.8 | 3481.2 |
| 27.5° | 2849.3 | 2847.3 | 2861.2 | 2879.1 | 2908.9 | 2942.7 | 2990.4 | 3052.0 | 3125.5 | 3214.9 | 3304.3 |
| 30° | 2650.6 | 2654.6 | 2660.5 | 2678.4 | 2698.3 | 2732.1 | 2779.8 | 2831.4 | 2901.0 | 2986.4 | 3081.8 |
| 32.5° | 2515.5 | 2515.5 | 2523.4 | 2535.4 | 2549.3 | 2567.2 | 2600.9 | 2638.7 | 2692.3 | 2751.9 | 2821.5 |
| 35° | 2469.8 | 2461.8 | 2469.8 | 2471.8 | 2473.8 | 2477.7 | 2483.7 | 2495.6 | 2513.5 | 2539.3 | 2565.2 |
| 37.5° | 2449.9 | 2444.0 | 2444.0 | 2436.0 | 2426.1 | 2414.2 | 2398.3 | 2380.4 | 2360.5 | 2334.7 | 2314.8 |
| 40° | 2372.4 | 2368.5 | 2364.5 | 2356.5 | 2334.7 | 2310.8 | 2285.0 | 2243.3 | 2197.6 | 2134.0 | 2070.4 |
| 42.5° | 2223.4 | 2219.4 | 2217.4 | 2201.5 | 2181.7 | 2153.9 | 2124.1 | 2080.3 | 2022.7 | 1941.3 | 1849.8 |
| 45° | 2038.6 | 2030.7 | 2024.7 | 2010.8 | 1996.9 | 1973.0 | 1945.2 | 1905.5 | 1847.9 | 1764.4 | 1655.1 |
| 47.5° | 1824.0 | 1820.0 | 1818.1 | 1812.1 | 1798.2 | 1784.3 | 1766.4 | 1734.6 | 1682.9 | 1603.5 | 1490.2 |
| 50° | 1607.4 | 1599.5 | 1603.5 | 1601.5 | 1595.5 | 1585.6 | 1573.7 | 1551.8 | 1512.1 | 1440.5 | 1337.2 |
| 52.5° | 1359.1 | 1359.1 | 1357.1 | 1363.0 | 1365.0 | 1363.0 | 1365.0 | 1341.2 | 1307.4 | 1253.8 | 1166.3 |
| 55° | 1100.8 | 1100.8 | 1106.7 | 1114.7 | 1122.6 | 1124.6 | 1122.6 | 1112.7 | 1088.8 | 1045.1 | 967.6 |
| 57.5° | 858.3 | 854.4 | 866.3 | 878.2 | 886.2 | 894.1 | 888.1 | 880.2 | 866.3 | 830.5 | 770.9 |
| 60° | 653.7 | 653.7 | 661.6 | 669.6 | 677.5 | 685.5 | 683.5 | 681.5 | 669.6 | 645.7 | 598.1 |
| 62.5° | 480.8 | 482.8 | 482.8 | 488.8 | 496.7 | 504.7 | 510.6 | 504.7 | 498.7 | 482.8 | 451.0 |
| 65° | 343.7 | 341.7 | 343.7 | 349.7 | 355.7 | 363.6 | 367.6 | 365.6 | 359.6 | 347.7 | 323.9 |
| 67.5° | 230.5 | 228.5 | 236.4 | 238.4 | 242.4 | 250.4 | 248.4 | 250.4 | 248.4 | 238.4 | 218.6 |
| 70° | 151.0 | 147.0 | 151.0 | 149.0 | 155.0 | 157.0 | 160.9 | 162.9 | 160.9 | 155.0 | 149.0 |
| 72.5° | 93.4 | 91.4 | 93.4 | 95.4 | 97.4 | 99.3 | 103.3 | 103.3 | 101.3 | 97.4 | 89.4 |
| 75° | 59.6 | 53.6 | 55.6 | 51.7 | 55.6 | 55.6 | 59.6 | 61.6 | 59.6 | 59.6 | 55.6 |
| 77.5° | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 35.8 | 37.8 | 39.7 | 35.8 | 33.8 |
| 80° | 17.9 | 17.9 | 19.9 | 19.9 | 19.9 | 21.9 | 19.9 | 19.9 | 19.9 | 21.9 | 15.9 |
| 82.5° | 13.9 | 11.9 | 11.9 | 11.9 | 13.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 | 11.9 |
| 85° | 6.0 | 7.9 | 6.0 | 4.0 | 6.0 | 6.0 | 7.9 | 6.0 | 6.0 | 6.0 | 7.9 |
| 87.5° | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 2.0 | 2.0 | 4.0 | 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: P248435

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 |
| 2.5° | 3753.4 | 3749.4 | 3749.4 | 3747.4 | 3751.4 | 3747.4 | 3749.4 | 3747.4 | 3747.4 | 3751.4 | 3747.4 |
| 5° | 3767.3 | 3769.3 | 3765.3 | 3763.3 | 3769.3 | 3769.3 | 3769.3 | 3765.3 | 3765.3 | 3767.3 | 3765.3 |
| 7.5° | 3787.2 | 3791.1 | 3793.1 | 3795.1 | 3799.1 | 3801.1 | 3801.1 | 3799.1 | 3797.1 | 3803.1 | 3795.1 |
| 10° | 3809.0 | 3815.0 | 3826.9 | 3832.9 | 3842.8 | 3842.8 | 3846.8 | 3846.8 | 3842.8 | 3846.8 | 3844.8 |
| 12.5° | 3801.1 | 3836.8 | 3856.7 | 3870.6 | 3884.5 | 3896.4 | 3900.4 | 3902.4 | 3900.4 | 3908.4 | 3900.4 |
| 15° | 3815.0 | 3844.8 | 3876.6 | 3900.4 | 3926.2 | 3940.1 | 3944.1 | 3960.0 | 3964.0 | 3966.0 | 3954.1 |
| 17.5° | 3793.1 | 3846.8 | 3880.5 | 3916.3 | 3954.1 | 3979.9 | 4003.7 | 4013.7 | 4015.7 | 4019.6 | 4003.7 |
| 20° | 3743.4 | 3803.1 | 3854.7 | 3906.4 | 3950.1 | 3989.8 | 4009.7 | 4037.5 | 4029.6 | 4045.5 | 4023.6 |
| 22.5° | 3675.9 | 3743.4 | 3809.0 | 3876.6 | 3922.3 | 3970.0 | 4011.7 | 4031.5 | 4041.5 | 4041.5 | 4017.6 |
| 25° | 3568.6 | 3648.1 | 3719.6 | 3789.1 | 3858.7 | 3916.3 | 3964.0 | 3993.8 | 3999.8 | 3997.8 | 3970.0 |
| 27.5° | 3401.7 | 3487.1 | 3570.6 | 3650.1 | 3735.5 | 3803.1 | 3858.7 | 3894.4 | 3904.4 | 3904.4 | 3874.6 |
| 30° | 3171.2 | 3262.6 | 3344.1 | 3439.4 | 3526.9 | 3602.4 | 3679.9 | 3711.7 | 3729.5 | 3729.5 | 3695.8 |
| 32.5° | 2897.0 | 2974.5 | 3050.0 | 3143.4 | 3238.8 | 3324.2 | 3397.7 | 3441.4 | 3463.3 | 3461.3 | 3431.5 |
| 35° | 2598.9 | 2636.7 | 2694.3 | 2763.9 | 2849.3 | 2928.8 | 3000.3 | 3042.0 | 3079.8 | 3077.8 | 3050.0 |
| 37.5° | 2300.9 | 2291.0 | 2296.9 | 2322.8 | 2376.4 | 2432.0 | 2487.7 | 2527.4 | 2559.2 | 2573.1 | 2567.2 |
| 40° | 2008.8 | 1957.1 | 1907.5 | 1889.6 | 1893.6 | 1913.4 | 1943.2 | 1973.0 | 2008.8 | 2026.7 | 2034.6 |
| 42.5° | 1746.5 | 1659.1 | 1571.7 | 1506.1 | 1468.3 | 1456.4 | 1470.3 | 1480.3 | 1502.1 | 1528.0 | 1553.8 |
| 45° | 1535.9 | 1418.7 | 1303.4 | 1202.1 | 1138.5 | 1100.8 | 1092.8 | 1100.8 | 1112.7 | 1138.5 | 1172.3 |
| 47.5° | 1363.0 | 1225.9 | 1096.8 | 983.5 | 890.1 | 840.5 | 826.6 | 822.6 | 834.5 | 858.3 | 904.0 |
| 50° | 1210.0 | 1072.9 | 929.9 | 798.7 | 701.4 | 645.7 | 625.9 | 617.9 | 631.8 | 649.7 | 691.4 |
| 52.5° | 1043.1 | 908.0 | 761.0 | 633.8 | 532.5 | 474.9 | 453.0 | 441.1 | 449.0 | 472.9 | 514.6 |
| 55° | 862.3 | 737.1 | 604.0 | 472.9 | 375.5 | 321.9 | 296.0 | 288.1 | 296.0 | 321.9 | 363.6 |
| 57.5° | 681.5 | 576.2 | 464.9 | 341.7 | 254.3 | 200.7 | 174.8 | 166.9 | 188.8 | 198.7 | 242.4 |
| 60° | 532.5 | 447.1 | 351.7 | 250.4 | 174.8 | 133.1 | 107.3 | 101.3 | 111.3 | 129.1 | 164.9 |
| 62.5° | 399.4 | 345.7 | 270.2 | 178.8 | 129.1 | 85.4 | 71.5 | 65.6 | 71.5 | 85.4 | 113.3 |
| 65° | 290.1 | 248.4 | 188.8 | 131.1 | 87.4 | 63.6 | 47.7 | 43.7 | 49.7 | 59.6 | 83.5 |
| 67.5° | 198.7 | 166.9 | 131.1 | 91.4 | 59.6 | 39.7 | 33.8 | 33.8 | 35.8 | 43.7 | 61.6 |
| 70° | 129.1 | 109.3 | 83.5 | 59.6 | 39.7 | 29.8 | 25.8 | 21.9 | 25.8 | 31.8 | 41.7 |
| 72.5° | 81.5 | 69.5 | 53.6 | 41.7 | 29.8 | 21.9 | 17.9 | 15.9 | 19.9 | 23.8 | 31.8 |
| 75° | 49.7 | 37.8 | 27.8 | 21.9 | 15.9 | 15.9 | 15.9 | 7.9 | 9.9 | 15.9 | 19.9 |
| 77.5° | 29.8 | 25.8 | 21.9 | 17.9 | 13.9 | 7.9 | 7.9 | 7.9 | 9.9 | 11.9 | 17.9 |
| 80° | 15.9 | 13.9 | 9.9 | 9.9 | 7.9 | 6.0 | 7.9 | 6.0 | 4.0 | 9.9 | 11.9 |
| 82.5° | 9.9 | 7.9 | 7.9 | 7.9 | 9.9 | 4.0 | 6.0 | 4.0 | 6.0 | 7.9 | 6.0 |
| 85° | 6.0 | 6.0 | 6.0 | 4.0 | 9.9 | 4.0 | 4.0 | 2.0 | 2.0 | 4.0 | 4.0 |
| 87.5° | 0.0 | 2.0 | 2.0 | 0.0 | 2.0 | 0.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 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: P248435

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 | 3743.4 |
| 2.5° | 3749.4 | 3747.4 | 3749.4 | 3747.4 | 3747.4 | 3747.4 | 3749.4 | 3749.4 | 3747.4 | 3747.4 | 3751.4 |
| 5° | 3765.3 | 3765.3 | 3765.3 | 3763.3 | 3761.3 | 3761.3 | 3765.3 | 3765.3 | 3759.3 | 3765.3 | 3765.3 |
| 7.5° | 3799.1 | 3793.1 | 3799.1 | 3791.1 | 3787.2 | 3789.1 | 3791.1 | 3787.2 | 3783.2 | 3785.2 | 3785.2 |
| 10° | 3842.8 | 3836.8 | 3836.8 | 3830.9 | 3824.9 | 3820.9 | 3817.0 | 3807.0 | 3797.1 | 3795.1 | 3787.2 |
| 12.5° | 3894.4 | 3884.5 | 3878.6 | 3866.6 | 3856.7 | 3842.8 | 3830.9 | 3815.0 | 3795.1 | 3781.2 | 3767.3 |
| 15° | 3946.1 | 3930.2 | 3916.3 | 3896.4 | 3874.6 | 3850.7 | 3824.9 | 3799.1 | 3767.3 | 3739.5 | 3715.6 |
| 17.5° | 3987.8 | 3966.0 | 3940.1 | 3908.4 | 3876.6 | 3840.8 | 3803.1 | 3765.3 | 3719.6 | 3683.8 | 3656.0 |
| 20° | 4001.7 | 3970.0 | 3936.2 | 3894.4 | 3852.7 | 3803.1 | 3755.4 | 3705.7 | 3654.0 | 3616.3 | 3584.5 |
| 22.5° | 3983.9 | 3946.1 | 3904.4 | 3860.7 | 3805.0 | 3751.4 | 3695.8 | 3638.1 | 3592.4 | 3540.8 | 3511.0 |
| 25° | 3934.2 | 3888.5 | 3842.8 | 3791.1 | 3737.5 | 3677.9 | 3618.3 | 3558.7 | 3503.0 | 3475.2 | 3437.5 |
| 27.5° | 3832.9 | 3783.2 | 3733.5 | 3679.9 | 3618.3 | 3558.7 | 3497.1 | 3439.4 | 3391.8 | 3354.0 | 3332.1 |
| 30° | 3654.0 | 3596.4 | 3538.8 | 3481.2 | 3427.5 | 3365.9 | 3308.3 | 3260.6 | 3212.9 | 3183.1 | 3161.3 |
| 32.5° | 3379.8 | 3328.2 | 3270.6 | 3214.9 | 3165.2 | 3113.6 | 3065.9 | 3024.2 | 2990.4 | 2970.5 | 2954.6 |
| 35° | 3010.3 | 2958.6 | 2914.9 | 2875.1 | 2833.4 | 2811.6 | 2781.8 | 2757.9 | 2744.0 | 2736.0 | 2734.1 |
| 37.5° | 2545.3 | 2515.5 | 2501.6 | 2493.6 | 2485.7 | 2479.7 | 2483.7 | 2493.6 | 2501.6 | 2515.5 | 2531.4 |
| 40° | 2048.5 | 2074.4 | 2082.3 | 2110.1 | 2136.0 | 2169.8 | 2207.5 | 2251.2 | 2287.0 | 2332.7 | 2364.5 |
| 42.5° | 1595.5 | 1643.2 | 1698.8 | 1758.4 | 1822.0 | 1883.6 | 1959.1 | 2028.7 | 2092.3 | 2149.9 | 2199.6 |
| 45° | 1225.9 | 1299.5 | 1382.9 | 1468.3 | 1553.8 | 1643.2 | 1734.6 | 1820.0 | 1895.6 | 1957.1 | 2008.8 |
| 47.5° | 955.7 | 1037.2 | 1144.5 | 1249.8 | 1353.1 | 1458.4 | 1559.7 | 1649.2 | 1712.7 | 1772.4 | 1818.1 |
| 50° | 757.0 | 850.4 | 967.6 | 1088.8 | 1202.1 | 1313.4 | 1420.7 | 1504.1 | 1567.7 | 1615.4 | 1649.2 |
| 52.5° | 586.1 | 697.4 | 816.6 | 943.8 | 1065.0 | 1186.2 | 1285.5 | 1363.0 | 1414.7 | 1456.4 | 1482.3 |
| 55° | 437.1 | 546.4 | 673.6 | 804.7 | 927.9 | 1045.1 | 1138.5 | 1206.1 | 1251.8 | 1275.6 | 1289.5 |
| 57.5° | 315.9 | 415.3 | 542.4 | 673.6 | 784.8 | 896.1 | 971.6 | 1033.2 | 1059.0 | 1072.9 | 1078.9 |
| 60° | 230.5 | 321.9 | 435.1 | 548.4 | 653.7 | 743.1 | 808.7 | 850.4 | 870.3 | 878.2 | 876.2 |
| 62.5° | 168.9 | 248.4 | 345.7 | 441.1 | 526.5 | 600.0 | 651.7 | 679.5 | 689.5 | 693.4 | 687.5 |
| 65° | 129.1 | 190.7 | 274.2 | 347.7 | 413.3 | 466.9 | 504.7 | 522.6 | 528.5 | 526.5 | 522.6 |
| 67.5° | 95.4 | 143.1 | 204.7 | 260.3 | 308.0 | 349.7 | 369.6 | 385.5 | 389.4 | 383.5 | 377.5 |
| 70° | 67.6 | 105.3 | 149.0 | 186.8 | 222.5 | 246.4 | 268.2 | 270.2 | 270.2 | 268.2 | 264.3 |
| 72.5° | 47.7 | 73.5 | 101.3 | 127.2 | 149.0 | 166.9 | 174.8 | 180.8 | 178.8 | 176.8 | 172.9 |
| 75° | 31.8 | 45.7 | 73.5 | 79.5 | 99.3 | 105.3 | 113.3 | 113.3 | 115.2 | 109.3 | 109.3 |
| 77.5° | 19.9 | 31.8 | 43.7 | 51.7 | 59.6 | 67.6 | 71.5 | 71.5 | 73.5 | 71.5 | 71.5 |
| 80° | 11.9 | 19.9 | 23.8 | 35.8 | 35.8 | 41.7 | 43.7 | 45.7 | 41.7 | 47.7 | 41.7 |
| 82.5° | 7.9 | 11.9 | 17.9 | 17.9 | 21.9 | 25.8 | 25.8 | 27.8 | 27.8 | 25.8 | 25.8 |
| 85° | 6.0 | 7.9 | 9.9 | 11.9 | 11.9 | 13.9 | 11.9 | 11.9 | 13.9 | 15.9 | 13.9 |
| 87.5° | 2.0 | 4.0 | 2.0 | 4.0 | 4.0 | 7.9 | 6.0 | 6.0 | 6.0 | 7.9 | 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: P248435

CATALOG NUMBER: LSR8B70D010 EC8B70827 8LBDW0WH

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 3743.4 | 3743.4 | 3743.4 | 3743.4 |
| 2.5° | 3747.4 | 3749.4 | 3747.4 | 3747.4 |
| 5° | 3765.3 | 3763.3 | 3765.3 | 3761.3 |
| 7.5° | 3779.2 | 3779.2 | 3777.2 | 3777.2 |
| 10° | 3779.2 | 3771.3 | 3771.3 | 3771.3 |
| 12.5° | 3749.4 | 3739.5 | 3733.5 | 3729.5 |
| 15° | 3697.7 | 3679.9 | 3671.9 | 3669.9 |
| 17.5° | 3630.2 | 3614.3 | 3604.4 | 3598.4 |
| 20° | 3552.7 | 3536.8 | 3524.9 | 3526.9 |
| 22.5° | 3485.1 | 3467.3 | 3459.3 | 3455.3 |
| 25° | 3417.6 | 3395.7 | 3389.8 | 3385.8 |
| 27.5° | 3308.3 | 3296.4 | 3290.4 | 3284.5 |
| 30° | 3141.4 | 3135.4 | 3125.5 | 3139.4 |
| 32.5° | 2948.7 | 2938.7 | 2930.8 | 2936.7 |
| 35° | 2736.0 | 2730.1 | 2736.0 | 2732.1 |
| 37.5° | 2541.3 | 2547.3 | 2555.2 | 2559.2 |
| 40° | 2388.3 | 2410.2 | 2418.1 | 2422.1 |
| 42.5° | 2235.3 | 2261.2 | 2277.1 | 2287.0 |
| 45° | 2046.6 | 2072.4 | 2090.3 | 2102.2 |
| 47.5° | 1851.8 | 1873.7 | 1891.6 | 1889.6 |
| 50° | 1675.0 | 1686.9 | 1694.9 | 1702.8 |
| 52.5° | 1496.2 | 1496.2 | 1498.2 | 1498.2 |
| 55° | 1293.5 | 1289.5 | 1287.5 | 1289.5 |
| 57.5° | 1070.9 | 1067.0 | 1065.0 | 1059.0 |
| 60° | 868.3 | 856.4 | 848.4 | 848.4 |
| 62.5° | 679.5 | 665.6 | 659.7 | 657.7 |
| 65° | 510.6 | 508.6 | 496.7 | 494.7 |
| 67.5° | 369.6 | 361.6 | 353.7 | 355.7 |
| 70° | 260.3 | 248.4 | 248.4 | 244.4 |
| 72.5° | 168.9 | 162.9 | 160.9 | 160.9 |
| 75° | 105.3 | 105.3 | 101.3 | 109.3 |
| 77.5° | 69.5 | 69.5 | 67.6 | 69.5 |
| 80° | 41.7 | 41.7 | 41.7 | 39.7 |
| 82.5° | 25.8 | 27.8 | 25.8 | 25.8 |
| 85° | 13.9 | 15.9 | 11.9 | 17.9 |
| 87.5° | 7.9 | 9.9 | 7.9 | 9.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)