

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: P251202

Luminaire Tested: **LSR8B60D010 EC8B60840 8LBSW0WH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-53)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60840 8LBSW0WH
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF
RECESSED DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH WHEAT TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6316.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

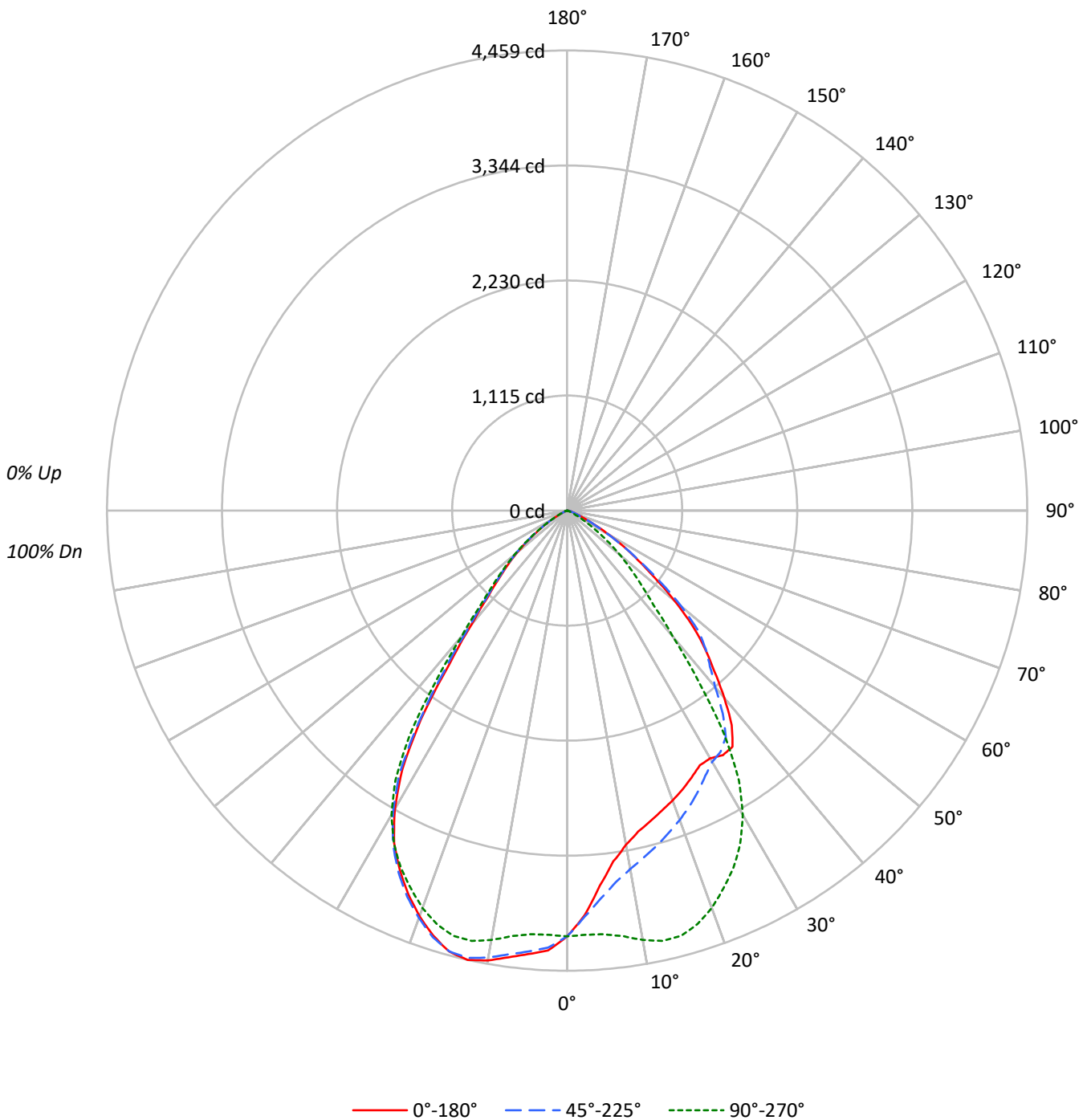
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P251202

CATALOG NUMBER: LSR8B60D010 EC8B60840 8LBSW0WH

Luminous Intensity Polar Plot





TEST NUMBER: P251202

CATALOG NUMBER: LSR8B60D010 EC8B60840 8LBSW0WH

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 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | | | | 91 | | | |
| 2 | 105 | 99 | 95 | 91 | 103 | 98 | 93 | 90 | 94 | 91 | 88 | 91 | 88 | 86 | 88 | 86 | 84 | 82 | | | | | 82 | | | |
| 3 | 99 | 91 | 85 | 80 | 96 | 89 | 84 | 79 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 78 | 76 | 74 | | | | | 74 | | | |
| 4 | 92 | 83 | 76 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 77 | 73 | 69 | 76 | 72 | 68 | 67 | | | | | 67 | | | |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 69 | 64 | 73 | 68 | 63 | 72 | 66 | 63 | 70 | 65 | 62 | 60 | | | | | 60 | | | |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 63 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 55 | | | | | 55 | | | |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 52 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 50 | | | | | 50 | | | |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 56 | 51 | 47 | 46 | | | | | 46 | | | |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 | | | | | 42 | | | |
| 10 | 63 | 52 | 45 | 41 | 62 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 49 | 44 | 40 | 39 | | | | | 39 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 127234 | 127234 | 127234 |
| 5° | 112887 | 127553 | 133527 |
| 10° | 102923 | 132287 | 138599 |
| 15° | 99466 | 136153 | 141239 |
| 20° | 98046 | 134474 | 137250 |
| 25° | 97084 | 129839 | 130649 |
| 30° | 98666 | 121170 | 118930 |
| 35° | 105167 | 100273 | 93007 |
| 40° | 95309 | 64193 | 58127 |
| 45° | 82260 | 43919 | 40897 |
| 50° | 64907 | 32036 | 30165 |
| 55° | 45052 | 19698 | 18532 |
| 60° | 28684 | 9960 | 8893 |
| 65° | 14316 | 3955 | 3006 |
| 70° | 7916 | 1956 | 1073 |
| 75° | 5683 | 1418 | 512 |
| 80° | 4617 | 959 | 195 |
| 85° | 4989 | 778 | 0 |



TEST NUMBER: P251202

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 384.6 | 6.1 |
| 10°-20° | 1110.8 | 17.6 |
| 20°-30° | 1612.2 | 25.5 |
| 30°-40° | 1587.8 | 25.1 |
| 40°-50° | 995.3 | 15.8 |
| 50°-60° | 480.3 | 7.6 |
| 60°-70° | 116.2 | 1.8 |
| 70°-80° | 23.5 | 0.4 |
| 80°-90° | 5.4 | 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° | 3107.5 | 49.2 |
| 0°-40° | 4695.3 | 74.3 |
| 0°-60° | 6170.9 | 97.7 |
| 0°-90° | 6316.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6316.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 4126 | 4126 | 4126 | 4126 | 4126 | |
| 5° | 3647 | 3770 | 4121 | 4288 | 4314 | 338 |
| 15° | 3116 | 3361 | 4265 | 4421 | 4424 | 881 |
| 25° | 2853 | 3002 | 3816 | 3868 | 3840 | 1320 |
| 35° | 2794 | 2680 | 2664 | 2512 | 2471 | 1690 |
| 45° | 1886 | 1899 | 1007 | 965 | 938 | 1442 |
| 55° | 838 | 865 | 366 | 362 | 345 | 771 |
| 65° | 196 | 194 | 54 | 47 | 41 | 224 |
| 75° | 48 | 41 | 12 | 5 | 4 | 54 |
| 85° | 14 | 11 | 2 | 0 | 0 | 14 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P251202

CATALOG NUMBER: LSR8B60D010 EC8B60840 8LBSW0WH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 |
| 2.5° | 3922.3 | 3897.4 | 3850.8 | 3907.1 | 3907.1 | 3875.7 | 3938.6 | 3900.6 | 3931.0 | 3978.7 | 3936.4 |
| 5° | 3646.9 | 3626.3 | 3587.3 | 3646.9 | 3654.5 | 3625.3 | 3701.1 | 3673.0 | 3717.4 | 3775.9 | 3770.5 |
| 7.5° | 3429.0 | 3403.0 | 3367.2 | 3429.0 | 3441.0 | 3421.4 | 3494.1 | 3481.1 | 3539.6 | 3615.5 | 3628.5 |
| 10° | 3287.0 | 3259.9 | 3228.5 | 3284.8 | 3293.5 | 3280.5 | 3354.2 | 3346.6 | 3404.1 | 3491.9 | 3526.6 |
| 12.5° | 3186.2 | 3163.4 | 3128.7 | 3188.4 | 3198.1 | 3179.7 | 3249.1 | 3245.8 | 3305.4 | 3397.6 | 3441.0 |
| 15° | 3115.7 | 3088.6 | 3057.2 | 3108.1 | 3121.1 | 3100.5 | 3166.7 | 3160.2 | 3220.9 | 3311.9 | 3360.7 |
| 17.5° | 3049.6 | 3024.7 | 2992.1 | 3039.8 | 3052.8 | 3031.2 | 3096.2 | 3085.4 | 3137.4 | 3224.1 | 3274.0 |
| 20° | 2987.8 | 2960.7 | 2931.4 | 2980.2 | 2987.8 | 2962.9 | 3027.9 | 3013.8 | 3060.4 | 3140.7 | 3189.4 |
| 22.5° | 2923.8 | 2895.7 | 2865.3 | 2913.0 | 2920.6 | 2895.7 | 2955.3 | 2939.0 | 2982.4 | 3055.0 | 3099.5 |
| 25° | 2853.4 | 2827.4 | 2797.0 | 2841.4 | 2848.0 | 2820.8 | 2883.7 | 2863.1 | 2901.1 | 2965.0 | 3001.9 |
| 27.5° | 2782.9 | 2758.0 | 2724.4 | 2769.9 | 2773.1 | 2747.1 | 2804.6 | 2776.4 | 2807.8 | 2866.4 | 2897.8 |
| 30° | 2771.0 | 2742.8 | 2708.1 | 2745.0 | 2746.0 | 2712.4 | 2766.6 | 2733.0 | 2750.4 | 2793.7 | 2812.2 |
| 32.5° | 2808.9 | 2780.7 | 2745.0 | 2775.3 | 2772.1 | 2735.2 | 2787.2 | 2746.0 | 2751.5 | 2774.2 | 2769.9 |
| 35° | 2793.7 | 2760.1 | 2717.9 | 2750.4 | 2750.4 | 2705.9 | 2758.0 | 2709.2 | 2703.8 | 2707.0 | 2679.9 |
| 37.5° | 2621.4 | 2595.4 | 2555.2 | 2586.7 | 2583.4 | 2549.8 | 2589.9 | 2549.8 | 2531.4 | 2523.8 | 2475.0 |
| 40° | 2367.7 | 2336.3 | 2305.9 | 2339.5 | 2342.8 | 2307.0 | 2359.0 | 2313.5 | 2308.1 | 2286.4 | 2228.9 |
| 42.5° | 2110.8 | 2099.9 | 2070.6 | 2098.8 | 2114.0 | 2083.7 | 2127.0 | 2105.3 | 2108.6 | 2103.2 | 2049.0 |
| 45° | 1886.3 | 1867.9 | 1846.2 | 1878.8 | 1888.5 | 1873.3 | 1916.7 | 1903.7 | 1916.7 | 1943.8 | 1899.4 |
| 47.5° | 1644.6 | 1626.2 | 1602.3 | 1637.0 | 1654.3 | 1626.2 | 1663.0 | 1658.7 | 1678.2 | 1724.8 | 1720.5 |
| 50° | 1353.0 | 1340.0 | 1335.6 | 1340.0 | 1350.8 | 1337.8 | 1363.8 | 1364.9 | 1377.9 | 1441.9 | 1446.2 |
| 52.5° | 1071.1 | 1067.8 | 1052.7 | 1066.8 | 1066.8 | 1046.2 | 1072.2 | 1060.3 | 1073.3 | 1116.6 | 1144.8 |
| 55° | 838.0 | 834.8 | 825.0 | 838.0 | 823.9 | 816.3 | 823.9 | 812.0 | 802.2 | 835.8 | 865.1 |
| 57.5° | 652.6 | 641.8 | 629.9 | 635.3 | 634.2 | 617.9 | 626.6 | 612.5 | 604.9 | 616.9 | 642.9 |
| 60° | 465.1 | 461.8 | 451.0 | 456.4 | 460.7 | 448.8 | 457.5 | 451.0 | 438.0 | 447.7 | 448.8 |
| 62.5° | 309.0 | 311.1 | 304.6 | 305.7 | 302.5 | 300.3 | 305.7 | 309.0 | 305.7 | 301.4 | 302.5 |
| 65° | 196.2 | 195.1 | 194.1 | 195.1 | 197.3 | 193.0 | 196.2 | 198.4 | 195.1 | 195.1 | 194.1 |
| 67.5° | 130.1 | 126.8 | 123.6 | 125.8 | 127.9 | 124.7 | 127.9 | 126.8 | 127.9 | 126.8 | 123.6 |
| 70° | 87.8 | 86.7 | 85.6 | 86.7 | 86.7 | 84.6 | 86.7 | 85.6 | 86.7 | 85.6 | 82.4 |
| 72.5° | 64.0 | 64.0 | 62.9 | 64.0 | 64.0 | 61.8 | 62.9 | 60.7 | 61.8 | 60.7 | 58.5 |
| 75° | 47.7 | 47.7 | 46.6 | 47.7 | 46.6 | 45.5 | 46.6 | 45.5 | 43.4 | 43.4 | 41.2 |
| 77.5° | 34.7 | 34.7 | 34.7 | 34.7 | 34.7 | 33.6 | 33.6 | 32.5 | 31.4 | 30.4 | 30.4 |
| 80° | 26.0 | 24.9 | 24.9 | 24.9 | 24.9 | 23.9 | 24.9 | 23.9 | 22.8 | 21.7 | 20.6 |
| 82.5° | 18.4 | 19.5 | 18.4 | 18.4 | 18.4 | 17.3 | 18.4 | 17.3 | 17.3 | 16.3 | 14.1 |
| 85° | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 13.0 | 13.0 | 13.0 | 11.9 | 11.9 | 10.8 |
| 87.5° | 7.6 | 7.6 | 7.6 | 8.7 | 7.6 | 7.6 | 7.6 | 6.5 | 6.5 | 5.4 | 5.4 |
| 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: P251202

CATALOG NUMBER: LSR8B60D010 EC8B60840 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 |
| 2.5° | 3992.8 | 3998.2 | 3986.3 | 4004.7 | 4076.2 | 4018.8 | 4042.6 | 4050.2 | 4104.4 | 4114.2 | 4107.7 |
| 5° | 3841.0 | 3864.8 | 3880.0 | 3921.2 | 4000.4 | 3959.2 | 4001.4 | 4028.5 | 4097.9 | 4120.7 | 4126.1 |
| 7.5° | 3721.7 | 3771.6 | 3808.5 | 3875.7 | 3968.9 | 3937.5 | 4001.4 | 4045.9 | 4130.5 | 4159.7 | 4173.8 |
| 10° | 3632.8 | 3708.7 | 3772.7 | 3864.8 | 3970.0 | 3949.4 | 4032.9 | 4095.8 | 4190.1 | 4224.8 | 4242.1 |
| 12.5° | 3565.6 | 3657.8 | 3743.4 | 3860.5 | 3974.3 | 3964.6 | 4065.4 | 4137.0 | 4236.7 | 4271.4 | 4292.0 |
| 15° | 3491.9 | 3598.2 | 3697.9 | 3829.1 | 3951.6 | 3949.4 | 4057.8 | 4133.7 | 4235.6 | 4264.9 | 4284.4 |
| 17.5° | 3404.1 | 3517.9 | 3627.4 | 3769.4 | 3890.9 | 3893.0 | 4002.5 | 4077.3 | 4177.1 | 4200.9 | 4213.9 |
| 20° | 3315.2 | 3427.9 | 3537.4 | 3683.8 | 3803.1 | 3806.3 | 3913.6 | 3983.0 | 4078.4 | 4097.9 | 4101.2 |
| 22.5° | 3220.9 | 3326.0 | 3435.5 | 3580.8 | 3695.7 | 3697.9 | 3804.1 | 3869.2 | 3950.5 | 3960.2 | 3968.9 |
| 25° | 3113.6 | 3216.5 | 3319.5 | 3463.7 | 3573.2 | 3579.7 | 3676.2 | 3733.7 | 3808.5 | 3816.1 | 3819.3 |
| 27.5° | 3001.9 | 3086.5 | 3185.1 | 3308.7 | 3419.3 | 3414.9 | 3506.0 | 3571.1 | 3638.3 | 3633.9 | 3632.8 |
| 30° | 2889.1 | 2959.6 | 3020.3 | 3139.6 | 3220.9 | 3224.1 | 3309.8 | 3341.2 | 3411.7 | 3403.0 | 3401.9 |
| 32.5° | 2810.0 | 2828.4 | 2844.7 | 2905.4 | 2982.4 | 2955.3 | 3013.8 | 3052.8 | 3101.6 | 3098.4 | 3099.5 |
| 35° | 2664.7 | 2631.1 | 2582.3 | 2591.0 | 2637.6 | 2595.4 | 2626.8 | 2625.7 | 2675.6 | 2663.7 | 2677.7 |
| 37.5° | 2416.5 | 2321.1 | 2212.7 | 2150.9 | 2159.5 | 2106.4 | 2095.6 | 2121.6 | 2138.9 | 2105.3 | 2117.3 |
| 40° | 2152.0 | 2011.0 | 1841.9 | 1701.0 | 1693.4 | 1627.2 | 1615.3 | 1589.3 | 1622.9 | 1594.7 | 1603.4 |
| 42.5° | 1956.8 | 1770.3 | 1548.1 | 1376.8 | 1340.0 | 1284.7 | 1252.1 | 1247.8 | 1257.6 | 1238.1 | 1232.6 |
| 45° | 1807.2 | 1608.8 | 1354.1 | 1157.8 | 1116.6 | 1057.0 | 1024.5 | 1012.6 | 1013.6 | 1007.1 | 1001.7 |
| 47.5° | 1631.6 | 1432.1 | 1174.1 | 973.5 | 926.9 | 870.5 | 838.0 | 830.4 | 834.8 | 826.1 | 819.6 |
| 50° | 1388.7 | 1209.9 | 974.6 | 791.4 | 750.2 | 709.0 | 683.0 | 675.4 | 674.3 | 667.8 | 663.5 |
| 52.5° | 1127.5 | 978.9 | 775.1 | 622.3 | 585.4 | 545.3 | 526.9 | 517.1 | 518.2 | 511.7 | 505.2 |
| 55° | 872.7 | 780.6 | 600.6 | 470.5 | 436.9 | 405.5 | 388.1 | 376.2 | 372.9 | 366.4 | 363.2 |
| 57.5° | 649.4 | 587.6 | 449.9 | 339.3 | 319.8 | 289.5 | 272.1 | 258.0 | 255.8 | 252.6 | 251.5 |
| 60° | 455.3 | 410.9 | 316.6 | 241.8 | 219.0 | 200.6 | 183.2 | 169.1 | 162.6 | 161.5 | 158.3 |
| 62.5° | 294.9 | 267.8 | 208.1 | 161.5 | 144.2 | 131.2 | 113.8 | 104.1 | 99.7 | 95.4 | 96.5 |
| 65° | 183.2 | 162.6 | 130.1 | 104.1 | 94.3 | 84.6 | 71.6 | 62.9 | 58.5 | 54.2 | 55.3 |
| 67.5° | 113.8 | 101.9 | 82.4 | 67.2 | 60.7 | 53.1 | 43.4 | 36.9 | 33.6 | 30.4 | 28.2 |
| 70° | 77.0 | 66.1 | 56.4 | 47.7 | 43.4 | 37.9 | 31.4 | 26.0 | 23.9 | 21.7 | 19.5 |
| 72.5° | 54.2 | 48.8 | 41.2 | 35.8 | 32.5 | 28.2 | 23.9 | 20.6 | 18.4 | 16.3 | 14.1 |
| 75° | 39.0 | 34.7 | 30.4 | 26.0 | 23.9 | 21.7 | 18.4 | 16.3 | 14.1 | 11.9 | 9.8 |
| 77.5° | 28.2 | 24.9 | 21.7 | 19.5 | 18.4 | 15.2 | 13.0 | 11.9 | 10.8 | 8.7 | 6.5 |
| 80° | 19.5 | 17.3 | 14.1 | 13.0 | 13.0 | 10.8 | 9.8 | 8.7 | 7.6 | 5.4 | 4.3 |
| 82.5° | 13.0 | 11.9 | 10.8 | 9.8 | 8.7 | 7.6 | 7.6 | 5.4 | 4.3 | 3.3 | 2.2 |
| 85° | 9.8 | 8.7 | 7.6 | 6.5 | 6.5 | 5.4 | 4.3 | 3.3 | 3.3 | 2.2 | 1.1 |
| 87.5° | 5.4 | 5.4 | 4.3 | 3.3 | 3.3 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 |
| 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: P251202

CATALOG NUMBER: LSR8B60D010 EC8B60840 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 |
| 2.5° | 4163.0 | 4166.2 | 4184.7 | 4170.6 | 4206.3 | 4232.4 | 4219.3 | 4248.6 | 4238.9 | 4236.7 | 4270.3 |
| 5° | 4191.2 | 4198.7 | 4223.7 | 4210.7 | 4249.7 | 4277.9 | 4264.9 | 4297.4 | 4287.6 | 4285.5 | 4320.2 |
| 7.5° | 4245.4 | 4253.0 | 4274.6 | 4263.8 | 4305.0 | 4329.9 | 4313.7 | 4349.4 | 4336.4 | 4335.3 | 4369.0 |
| 10° | 4313.7 | 4324.5 | 4342.9 | 4332.1 | 4370.0 | 4391.7 | 4375.5 | 4410.2 | 4398.2 | 4392.8 | 4429.7 |
| 12.5° | 4364.6 | 4372.2 | 4390.6 | 4382.0 | 4418.8 | 4435.1 | 4421.0 | 4454.6 | 4439.4 | 4435.1 | 4467.6 |
| 15° | 4352.7 | 4360.3 | 4375.5 | 4367.9 | 4402.6 | 4417.7 | 4399.3 | 4436.2 | 4421.0 | 4412.3 | 4441.6 |
| 17.5° | 4276.8 | 4281.1 | 4292.0 | 4284.4 | 4321.3 | 4331.0 | 4310.4 | 4347.3 | 4333.2 | 4318.0 | 4346.2 |
| 20° | 4165.1 | 4163.0 | 4169.5 | 4166.2 | 4196.6 | 4202.0 | 4189.0 | 4216.1 | 4199.8 | 4191.2 | 4207.4 |
| 22.5° | 4026.4 | 4024.2 | 4028.5 | 4019.9 | 4050.2 | 4053.5 | 4034.0 | 4066.5 | 4050.2 | 4034.0 | 4061.1 |
| 25° | 3872.4 | 3860.5 | 3858.3 | 3861.6 | 3882.2 | 3885.4 | 3864.8 | 3888.7 | 3868.1 | 3855.1 | 3881.1 |
| 27.5° | 3682.7 | 3667.5 | 3664.3 | 3667.5 | 3688.1 | 3673.0 | 3655.6 | 3673.0 | 3652.4 | 3640.4 | 3656.7 |
| 30° | 3448.5 | 3426.9 | 3417.1 | 3410.6 | 3432.3 | 3426.9 | 3386.8 | 3406.3 | 3373.7 | 3356.4 | 3368.3 |
| 32.5° | 3133.1 | 3121.1 | 3095.1 | 3080.0 | 3100.5 | 3059.4 | 3034.4 | 3034.4 | 3021.4 | 2992.1 | 2998.6 |
| 35° | 2695.1 | 2676.7 | 2652.8 | 2639.8 | 2643.1 | 2587.8 | 2546.6 | 2555.2 | 2511.9 | 2504.3 | 2507.5 |
| 37.5° | 2141.1 | 2110.8 | 2102.1 | 2075.0 | 2081.5 | 2032.7 | 1976.3 | 1977.4 | 1954.6 | 1930.8 | 1923.2 |
| 40° | 1608.8 | 1603.4 | 1594.7 | 1572.0 | 1580.6 | 1527.5 | 1505.8 | 1506.9 | 1491.7 | 1474.4 | 1483.1 |
| 42.5° | 1243.5 | 1226.1 | 1220.7 | 1213.1 | 1215.3 | 1206.6 | 1178.4 | 1181.7 | 1168.7 | 1164.3 | 1160.0 |
| 45° | 1010.4 | 992.0 | 978.9 | 985.5 | 985.5 | 975.7 | 964.9 | 971.4 | 964.9 | 956.2 | 960.5 |
| 47.5° | 832.6 | 815.2 | 808.7 | 807.7 | 815.2 | 808.7 | 797.9 | 800.1 | 799.0 | 795.7 | 793.6 |
| 50° | 664.6 | 660.2 | 654.8 | 651.5 | 654.8 | 652.6 | 642.9 | 648.3 | 651.5 | 640.7 | 644.0 |
| 52.5° | 506.3 | 506.3 | 505.2 | 497.6 | 504.1 | 497.6 | 496.5 | 498.7 | 495.4 | 491.1 | 490.0 |
| 55° | 370.8 | 367.5 | 362.1 | 361.0 | 363.2 | 361.0 | 358.8 | 359.9 | 362.1 | 351.3 | 351.3 |
| 57.5° | 253.7 | 251.5 | 248.3 | 248.3 | 252.6 | 247.2 | 243.9 | 248.3 | 243.9 | 239.6 | 239.6 |
| 60° | 162.6 | 161.5 | 158.3 | 158.3 | 158.3 | 157.2 | 153.9 | 155.0 | 157.2 | 150.7 | 151.8 |
| 62.5° | 97.6 | 94.3 | 93.2 | 92.1 | 93.2 | 92.1 | 92.1 | 91.1 | 90.0 | 90.0 | 86.7 |
| 65° | 53.1 | 51.0 | 48.8 | 49.9 | 49.9 | 48.8 | 48.8 | 48.8 | 46.6 | 45.5 | 44.4 |
| 67.5° | 27.1 | 24.9 | 24.9 | 23.9 | 23.9 | 23.9 | 23.9 | 22.8 | 22.8 | 22.8 | 21.7 |
| 70° | 17.3 | 16.3 | 15.2 | 15.2 | 15.2 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 13.0 |
| 72.5° | 11.9 | 10.8 | 9.8 | 9.8 | 9.8 | 8.7 | 8.7 | 8.7 | 8.7 | 7.6 | 7.6 |
| 75° | 8.7 | 7.6 | 6.5 | 6.5 | 6.5 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 |
| 77.5° | 5.4 | 4.3 | 4.3 | 4.3 | 4.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 2.2 |
| 80° | 3.3 | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 2.2 | 2.2 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 0.0 |
| 85° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.1 | 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: P251202

CATALOG NUMBER: LSR8B60D010 EC8B60840 8LBSW0WH

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 | 4126.1 |
| 2.5° | 4258.4 | 4249.7 | 4255.1 | 4295.2 | 4277.9 | 4272.5 | 4226.9 | 4267.0 |
| 5° | 4309.3 | 4302.8 | 4302.8 | 4348.4 | 4327.8 | 4323.4 | 4279.0 | 4313.7 |
| 7.5° | 4357.0 | 4350.5 | 4351.6 | 4398.2 | 4382.0 | 4375.5 | 4331.0 | 4365.7 |
| 10° | 4418.8 | 4414.5 | 4415.6 | 4460.0 | 4442.7 | 4436.2 | 4390.6 | 4426.4 |
| 12.5° | 4455.7 | 4449.2 | 4449.2 | 4496.9 | 4477.4 | 4467.6 | 4424.2 | 4458.9 |
| 15° | 4427.5 | 4417.7 | 4417.7 | 4465.4 | 4443.8 | 4429.7 | 4391.7 | 4424.2 |
| 17.5° | 4331.0 | 4321.3 | 4321.3 | 4362.5 | 4346.2 | 4325.6 | 4286.6 | 4316.9 |
| 20° | 4196.6 | 4184.7 | 4181.4 | 4229.1 | 4206.3 | 4187.9 | 4153.2 | 4182.5 |
| 22.5° | 4044.8 | 4039.4 | 4029.6 | 4077.3 | 4056.7 | 4037.2 | 4000.4 | 4023.1 |
| 25° | 3862.7 | 3854.0 | 3844.2 | 3890.9 | 3870.3 | 3850.8 | 3821.5 | 3839.9 |
| 27.5° | 3636.1 | 3637.2 | 3631.8 | 3668.6 | 3648.0 | 3637.2 | 3601.4 | 3631.8 |
| 30° | 3361.8 | 3349.9 | 3345.6 | 3388.9 | 3369.4 | 3355.3 | 3310.9 | 3340.1 |
| 32.5° | 3004.1 | 2986.7 | 2964.0 | 3012.7 | 2979.1 | 2967.2 | 2929.3 | 2971.5 |
| 35° | 2483.7 | 2478.3 | 2457.7 | 2498.9 | 2480.4 | 2458.8 | 2434.9 | 2470.7 |
| 37.5° | 1920.0 | 1924.3 | 1922.1 | 1933.0 | 1922.1 | 1908.0 | 1882.0 | 1869.0 |
| 40° | 1465.7 | 1454.9 | 1446.2 | 1465.7 | 1442.9 | 1442.9 | 1427.8 | 1444.0 |
| 42.5° | 1149.2 | 1144.8 | 1155.7 | 1160.0 | 1147.0 | 1144.8 | 1142.6 | 1141.6 |
| 45° | 948.6 | 948.6 | 950.8 | 955.1 | 950.8 | 948.6 | 942.1 | 937.8 |
| 47.5° | 781.6 | 786.0 | 781.6 | 795.7 | 788.1 | 786.0 | 773.0 | 778.4 |
| 50° | 633.1 | 627.7 | 633.1 | 637.5 | 638.5 | 632.0 | 625.5 | 628.8 |
| 52.5° | 491.1 | 482.4 | 480.3 | 486.8 | 482.4 | 482.4 | 478.1 | 477.0 |
| 55° | 345.8 | 349.1 | 343.7 | 349.1 | 346.9 | 343.7 | 340.4 | 344.7 |
| 57.5° | 234.2 | 235.3 | 233.1 | 236.3 | 230.9 | 232.0 | 230.9 | 229.8 |
| 60° | 151.8 | 147.4 | 147.4 | 150.7 | 145.3 | 145.3 | 144.2 | 144.2 |
| 62.5° | 86.7 | 85.6 | 85.6 | 84.6 | 83.5 | 83.5 | 83.5 | 81.3 |
| 65° | 44.4 | 43.4 | 42.3 | 42.3 | 42.3 | 42.3 | 41.2 | 41.2 |
| 67.5° | 21.7 | 20.6 | 20.6 | 21.7 | 20.6 | 20.6 | 20.6 | 20.6 |
| 70° | 13.0 | 13.0 | 11.9 | 13.0 | 11.9 | 11.9 | 11.9 | 11.9 |
| 72.5° | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 75° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| 77.5° | 3.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 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 |

(END OF REPORT)