

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: P249100

Luminaire Tested: **LD8B60D010 ER8B60835 8LBDW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249100  
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: LD8B60D010 ER8B60835 8LBDW0H  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6323.0 lumens  
Efficiency: N/A  
Efficacy: 106.3 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

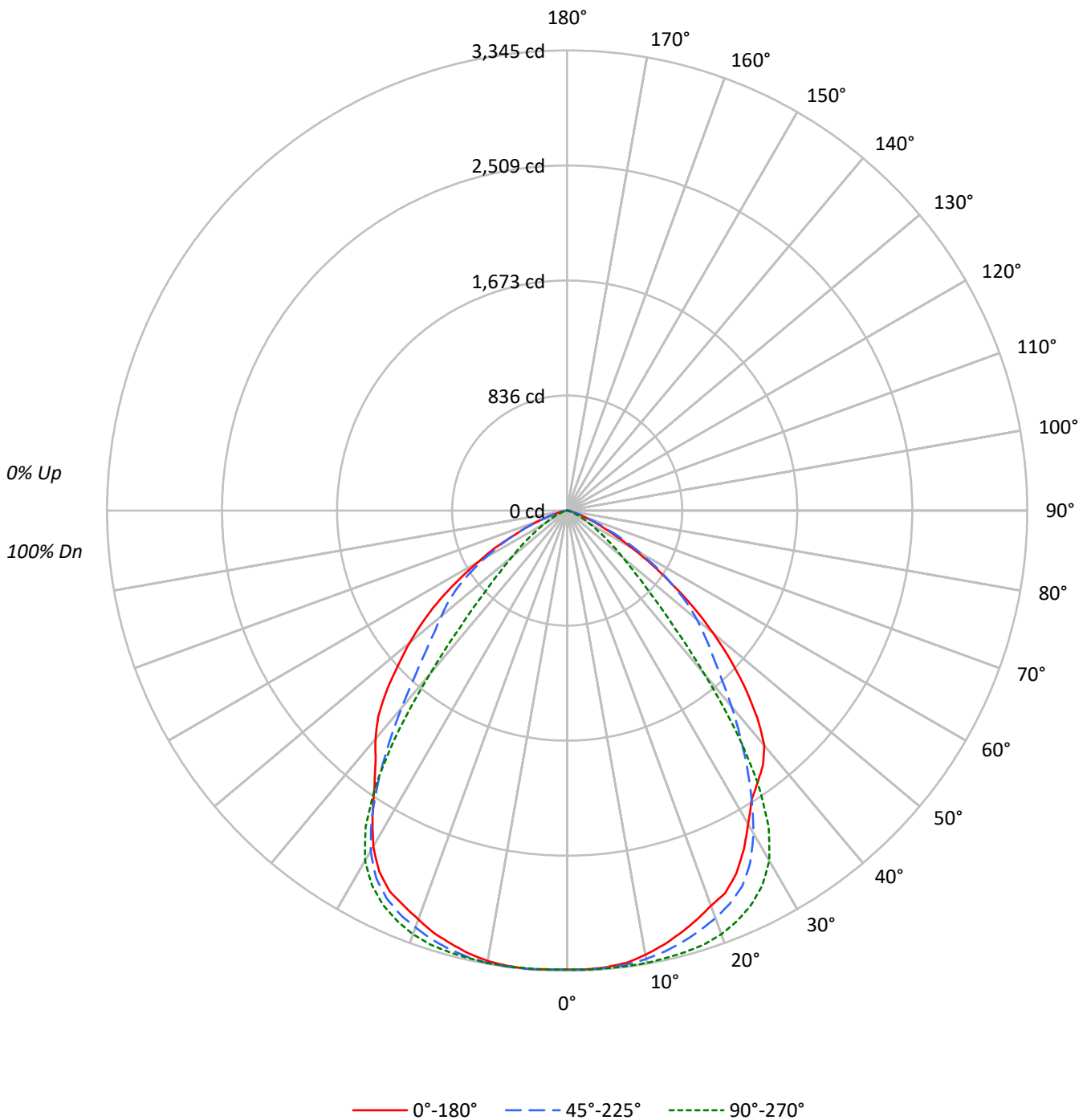
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P249100

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBDW0H

### Luminous Intensity Polar Plot





TEST NUMBER: P249100

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBDW0H

**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°  | 102873 | 102873 | 102873 |
| 5°  | 103102 | 103377 | 103489 |
| 10° | 102666 | 104516 | 104069 |
| 15° | 101528 | 106045 | 104047 |
| 20° | 100310 | 107536 | 103778 |
| 25° | 99007  | 107659 | 103882 |
| 30° | 93667  | 104634 | 100361 |
| 35° | 90869  | 90937  | 91882  |
| 40° | 89746  | 62567  | 87222  |
| 45° | 79966  | 37561  | 81061  |
| 50° | 66490  | 24999  | 71647  |
| 55° | 49869  | 17236  | 60745  |
| 60° | 33797  | 11483  | 45835  |
| 65° | 20386  | 7450   | 31484  |
| 70° | 11306  | 4039   | 19375  |
| 75° | 5123   | 1704   | 10032  |
| 80° | 4457   | 1900   | 6997   |
| 85° | 5059   | 2512   | 6970   |



TEST NUMBER: P249100

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBDW0H

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 318.4  | 5.0       |
| 10°-20°   | 924.6  | 14.6      |
| 20°-30°   | 1403.4 | 22.2      |
| 30°-40°   | 1474.0 | 23.3      |
| 40°-50°   | 1105.1 | 17.5      |
| 50°-60°   | 709.1  | 11.2      |
| 60°-70°   | 303.3  | 4.8       |
| 70°-80°   | 71.7   | 1.1       |
| 80°-90°   | 13.3   | 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°    | 2646.5 | 41.9      |
| 0°-40°    | 4120.5 | 65.2      |
| 0°-60°    | 5934.7 | 93.9      |
| 0°-90°    | 6323.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6323.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3336 | 3336 | 3336 | 3336 | 3336 |      |
| 5°  | 3331 | 3336 | 3340 | 3345 | 3343 | 316  |
| 15° | 3180 | 3247 | 3322 | 3300 | 3259 | 897  |
| 25° | 2910 | 3012 | 3164 | 3107 | 3053 | 1329 |
| 35° | 2414 | 2280 | 2416 | 2387 | 2441 | 1515 |
| 45° | 1834 | 1499 | 861  | 1456 | 1859 | 1404 |
| 55° | 928  | 928  | 321  | 967  | 1130 | 841  |
| 65° | 279  | 330  | 102  | 424  | 432  | 298  |
| 75° | 43   | 50   | 14   | 86   | 84   | 63   |
| 85° | 14   | 9    | 7    | 14   | 20   | 15   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P249100

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBDW0H

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 |
| 2.5°  | 3337.9 | 3341.5 | 3339.7 | 3339.7 | 3337.9 | 3339.7 | 3339.7 | 3343.3 | 3343.3 | 3339.7 | 3337.9 |
| 5°    | 3330.8 | 3334.3 | 3334.3 | 3330.8 | 3330.8 | 3339.7 | 3334.3 | 3337.9 | 3337.9 | 3336.1 | 3336.1 |
| 7.5°  | 3314.7 | 3314.7 | 3321.8 | 3316.5 | 3316.5 | 3321.8 | 3320.0 | 3323.6 | 3327.2 | 3329.0 | 3329.0 |
| 10°   | 3278.8 | 3282.4 | 3284.2 | 3284.2 | 3286.0 | 3291.4 | 3295.0 | 3302.1 | 3305.7 | 3309.3 | 3311.1 |
| 12.5° | 3234.1 | 3239.4 | 3241.2 | 3239.4 | 3244.8 | 3252.0 | 3260.9 | 3269.9 | 3275.3 | 3282.4 | 3287.8 |
| 15°   | 3180.3 | 3180.3 | 3183.9 | 3189.3 | 3192.9 | 3203.6 | 3212.6 | 3223.3 | 3237.6 | 3246.6 | 3255.6 |
| 17.5° | 3121.3 | 3124.9 | 3130.2 | 3130.2 | 3137.4 | 3155.3 | 3160.7 | 3176.8 | 3192.9 | 3201.8 | 3219.8 |
| 20°   | 3056.8 | 3060.4 | 3065.7 | 3069.3 | 3078.3 | 3092.6 | 3103.3 | 3117.7 | 3135.6 | 3151.7 | 3169.6 |
| 22.5° | 3006.6 | 2999.5 | 3003.0 | 3006.6 | 3015.6 | 3028.2 | 3040.7 | 3058.6 | 3076.5 | 3092.6 | 3110.5 |
| 25°   | 2909.9 | 2911.7 | 2917.1 | 2920.7 | 2931.4 | 2942.2 | 2956.5 | 2978.0 | 2994.1 | 3012.0 | 3031.7 |
| 27.5° | 2779.2 | 2781.0 | 2790.0 | 2790.0 | 2798.9 | 2816.8 | 2825.8 | 2843.7 | 2865.2 | 2883.1 | 2906.4 |
| 30°   | 2630.6 | 2634.2 | 2634.2 | 2641.3 | 2646.7 | 2655.7 | 2664.6 | 2682.5 | 2693.3 | 2709.4 | 2741.6 |
| 32.5° | 2494.5 | 2498.1 | 2496.3 | 2494.5 | 2489.1 | 2487.3 | 2485.5 | 2489.1 | 2492.7 | 2498.1 | 2510.6 |
| 35°   | 2413.9 | 2405.0 | 2397.8 | 2385.3 | 2371.0 | 2353.0 | 2336.9 | 2315.4 | 2295.7 | 2279.6 | 2261.7 |
| 37.5° | 2336.9 | 2335.1 | 2324.4 | 2306.5 | 2277.8 | 2245.6 | 2208.0 | 2161.4 | 2114.8 | 2064.7 | 2016.4 |
| 40°   | 2229.5 | 2224.1 | 2215.1 | 2190.1 | 2157.8 | 2118.4 | 2068.3 | 2011.0 | 1935.8 | 1858.8 | 1780.0 |
| 42.5° | 2046.8 | 2048.6 | 2037.9 | 2018.1 | 1987.7 | 1950.1 | 1898.2 | 1835.5 | 1754.9 | 1663.6 | 1561.5 |
| 45°   | 1833.7 | 1833.7 | 1830.1 | 1814.0 | 1792.5 | 1762.1 | 1722.7 | 1670.8 | 1592.0 | 1498.8 | 1389.6 |
| 47.5° | 1611.7 | 1613.5 | 1608.1 | 1604.5 | 1595.5 | 1575.9 | 1547.2 | 1507.8 | 1452.3 | 1362.7 | 1253.5 |
| 50°   | 1386.0 | 1386.0 | 1395.0 | 1393.2 | 1393.2 | 1386.0 | 1373.5 | 1350.2 | 1301.9 | 1230.2 | 1128.2 |
| 52.5° | 1160.4 | 1164.0 | 1169.4 | 1176.5 | 1185.5 | 1199.8 | 1185.5 | 1174.7 | 1144.3 | 1088.8 | 1001.0 |
| 55°   | 927.6  | 931.2  | 940.1  | 952.7  | 963.4  | 977.8  | 981.3  | 981.3  | 965.2  | 927.6  | 861.3  |
| 57.5° | 728.8  | 723.5  | 730.6  | 741.4  | 755.7  | 770.0  | 780.8  | 793.3  | 791.5  | 766.4  | 712.7  |
| 60°   | 548.0  | 549.8  | 555.1  | 565.9  | 576.6  | 589.2  | 603.5  | 614.2  | 619.6  | 607.1  | 573.0  |
| 62.5° | 399.3  | 399.3  | 406.5  | 417.2  | 422.6  | 440.5  | 449.5  | 454.9  | 460.2  | 458.4  | 436.9  |
| 65°   | 279.4  | 282.9  | 286.5  | 291.9  | 297.3  | 308.0  | 313.4  | 324.1  | 327.7  | 329.5  | 313.4  |
| 67.5° | 197.0  | 191.6  | 195.2  | 198.8  | 204.1  | 211.3  | 222.1  | 222.1  | 227.4  | 227.4  | 216.7  |
| 70°   | 125.4  | 125.4  | 127.2  | 132.5  | 136.1  | 137.9  | 141.5  | 145.0  | 150.4  | 148.6  | 148.6  |
| 72.5° | 84.2   | 82.4   | 84.2   | 86.0   | 87.8   | 93.1   | 93.1   | 94.9   | 98.5   | 100.3  | 93.1   |
| 75°   | 43.0   | 44.8   | 48.3   | 46.6   | 51.9   | 48.3   | 50.1   | 55.5   | 53.7   | 50.1   | 50.1   |
| 77.5° | 35.8   | 35.8   | 35.8   | 34.0   | 37.6   | 37.6   | 35.8   | 39.4   | 37.6   | 37.6   | 35.8   |
| 80°   | 25.1   | 26.9   | 25.1   | 23.3   | 25.1   | 23.3   | 23.3   | 23.3   | 23.3   | 23.3   | 21.5   |
| 82.5° | 19.7   | 16.1   | 17.9   | 16.1   | 17.9   | 17.9   | 16.1   | 14.3   | 14.3   | 16.1   | 14.3   |
| 85°   | 14.3   | 10.7   | 12.5   | 12.5   | 10.7   | 10.7   | 10.7   | 10.7   | 10.7   | 8.9    | 8.9    |
| 87.5° | 8.9    | 5.4    | 5.4    | 5.4    | 7.1    | 7.1    | 7.1    | 5.4    | 7.1    | 7.1    | 3.6    |
| 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: P249100

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 |
| 2.5°  | 3341.5 | 3339.7 | 3343.3 | 3341.5 | 3341.5 | 3339.7 | 3341.5 | 3339.7 | 3343.3 | 3336.1 | 3337.9 |
| 5°    | 3341.5 | 3337.9 | 3339.7 | 3341.5 | 3343.3 | 3339.7 | 3339.7 | 3339.7 | 3343.3 | 3339.7 | 3341.5 |
| 7.5°  | 3334.3 | 3332.5 | 3337.9 | 3341.5 | 3339.7 | 3337.9 | 3341.5 | 3339.7 | 3343.3 | 3341.5 | 3345.1 |
| 10°   | 3320.0 | 3321.8 | 3325.4 | 3330.8 | 3332.5 | 3334.3 | 3337.9 | 3337.9 | 3343.3 | 3336.1 | 3339.7 |
| 12.5° | 3298.5 | 3305.7 | 3314.7 | 3318.2 | 3325.4 | 3325.4 | 3329.0 | 3330.8 | 3334.3 | 3332.5 | 3337.9 |
| 15°   | 3271.7 | 3280.6 | 3291.4 | 3300.3 | 3309.3 | 3314.7 | 3320.0 | 3321.8 | 3327.2 | 3321.8 | 3323.6 |
| 17.5° | 3239.4 | 3250.2 | 3266.3 | 3277.0 | 3291.4 | 3296.7 | 3303.9 | 3307.5 | 3312.9 | 3309.3 | 3311.1 |
| 20°   | 3194.7 | 3207.2 | 3225.1 | 3241.2 | 3250.2 | 3262.7 | 3271.7 | 3277.0 | 3280.6 | 3277.0 | 3278.8 |
| 22.5° | 3132.0 | 3149.9 | 3173.2 | 3185.7 | 3203.6 | 3214.4 | 3216.2 | 3228.7 | 3237.6 | 3228.7 | 3232.3 |
| 25°   | 3058.6 | 3076.5 | 3094.4 | 3121.3 | 3137.4 | 3149.9 | 3162.5 | 3164.2 | 3173.2 | 3171.4 | 3169.6 |
| 27.5° | 2936.8 | 2960.1 | 2990.5 | 3012.0 | 3033.5 | 3053.2 | 3067.5 | 3071.1 | 3080.1 | 3076.5 | 3078.3 |
| 30°   | 2770.3 | 2795.4 | 2824.0 | 2858.0 | 2888.5 | 2908.1 | 2926.1 | 2938.6 | 2947.5 | 2942.2 | 2940.4 |
| 32.5° | 2533.9 | 2559.0 | 2589.4 | 2623.4 | 2659.3 | 2687.9 | 2709.4 | 2725.5 | 2736.2 | 2732.7 | 2723.7 |
| 35°   | 2263.5 | 2270.7 | 2290.4 | 2317.2 | 2347.6 | 2378.1 | 2397.8 | 2415.7 | 2428.2 | 2431.8 | 2431.8 |
| 37.5° | 1985.9 | 1962.7 | 1948.3 | 1948.3 | 1966.2 | 1978.8 | 1996.7 | 2007.4 | 2027.1 | 2034.3 | 2039.7 |
| 40°   | 1717.3 | 1663.6 | 1613.5 | 1575.9 | 1550.8 | 1549.0 | 1549.0 | 1554.3 | 1572.3 | 1595.5 | 1617.0 |
| 42.5° | 1477.4 | 1391.4 | 1314.4 | 1244.6 | 1194.4 | 1165.8 | 1153.2 | 1155.0 | 1169.4 | 1190.8 | 1226.6 |
| 45°   | 1285.7 | 1178.3 | 1081.6 | 997.4  | 929.4  | 884.6  | 863.1  | 861.3  | 872.1  | 897.1  | 936.6  |
| 47.5° | 1137.1 | 1022.5 | 913.3  | 816.6  | 743.2  | 694.8  | 669.7  | 662.6  | 669.7  | 693.0  | 739.6  |
| 50°   | 1013.6 | 895.4  | 782.6  | 682.3  | 603.5  | 553.4  | 530.0  | 521.1  | 530.0  | 549.8  | 596.3  |
| 52.5° | 898.9  | 777.2  | 671.5  | 574.8  | 490.7  | 447.7  | 422.6  | 417.2  | 422.6  | 445.9  | 483.5  |
| 55°   | 766.4  | 662.6  | 558.7  | 462.0  | 388.6  | 345.6  | 325.9  | 320.6  | 325.9  | 347.4  | 386.8  |
| 57.5° | 635.7  | 546.2  | 454.9  | 367.1  | 304.4  | 266.8  | 248.9  | 241.7  | 254.3  | 268.6  | 315.2  |
| 60°   | 513.9  | 442.3  | 365.3  | 288.3  | 236.4  | 202.3  | 188.0  | 186.2  | 189.8  | 207.7  | 239.9  |
| 62.5° | 402.9  | 343.8  | 282.9  | 220.3  | 177.3  | 163.0  | 145.0  | 143.3  | 146.8  | 157.6  | 182.7  |
| 65°   | 290.1  | 252.5  | 205.9  | 161.2  | 127.2  | 107.4  | 100.3  | 102.1  | 105.6  | 112.8  | 136.1  |
| 67.5° | 202.3  | 175.5  | 143.3  | 112.8  | 87.8   | 78.8   | 71.6   | 69.8   | 71.6   | 84.2   | 96.7   |
| 70°   | 136.1  | 120.0  | 96.7   | 86.0   | 60.9   | 48.3   | 50.1   | 44.8   | 51.9   | 51.9   | 62.7   |
| 72.5° | 89.5   | 78.8   | 64.5   | 50.1   | 43.0   | 34.0   | 34.0   | 32.2   | 35.8   | 37.6   | 46.6   |
| 75°   | 46.6   | 35.8   | 35.8   | 25.1   | 17.9   | 8.9    | 16.1   | 14.3   | 12.5   | 14.3   | 17.9   |
| 77.5° | 32.2   | 26.9   | 25.1   | 19.7   | 17.9   | 14.3   | 14.3   | 14.3   | 14.3   | 16.1   | 17.9   |
| 80°   | 19.7   | 19.7   | 14.3   | 12.5   | 10.7   | 8.9    | 10.7   | 10.7   | 10.7   | 10.7   | 12.5   |
| 82.5° | 12.5   | 10.7   | 10.7   | 8.9    | 8.9    | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    | 10.7   |
| 85°   | 10.7   | 7.1    | 7.1    | 5.4    | 7.1    | 12.5   | 5.4    | 7.1    | 7.1    | 7.1    | 5.4    |
| 87.5° | 3.6    | 5.4    | 5.4    | 5.4    | 3.6    | 1.8    | 3.6    | 5.4    | 5.4    | 8.9    | 7.1    |
| 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: P249100

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 | 3336.1 |
| 2.5°  | 3341.5 | 3343.3 | 3343.3 | 3341.5 | 3341.5 | 3337.9 | 3345.1 | 3339.7 | 3341.5 | 3348.7 | 3343.3 |
| 5°    | 3345.1 | 3346.9 | 3346.9 | 3345.1 | 3345.1 | 3345.1 | 3346.9 | 3346.9 | 3345.1 | 3343.3 | 3346.9 |
| 7.5°  | 3352.3 | 3350.5 | 3350.5 | 3346.9 | 3346.9 | 3343.3 | 3346.9 | 3341.5 | 3345.1 | 3341.5 | 3346.9 |
| 10°   | 3343.3 | 3345.1 | 3343.3 | 3341.5 | 3341.5 | 3339.7 | 3339.7 | 3334.3 | 3336.1 | 3330.8 | 3334.3 |
| 12.5° | 3337.9 | 3336.1 | 3336.1 | 3332.5 | 3329.0 | 3325.4 | 3323.6 | 3318.2 | 3318.2 | 3305.7 | 3311.1 |
| 15°   | 3323.6 | 3325.4 | 3320.0 | 3312.9 | 3309.3 | 3300.3 | 3296.7 | 3289.6 | 3282.4 | 3273.5 | 3275.3 |
| 17.5° | 3311.1 | 3305.7 | 3298.5 | 3291.4 | 3277.0 | 3269.9 | 3262.7 | 3252.0 | 3248.4 | 3237.6 | 3234.1 |
| 20°   | 3273.5 | 3269.9 | 3260.9 | 3248.4 | 3239.4 | 3223.3 | 3216.2 | 3205.4 | 3196.5 | 3185.7 | 3180.3 |
| 22.5° | 3225.1 | 3221.5 | 3210.8 | 3198.2 | 3183.9 | 3176.8 | 3169.6 | 3149.9 | 3140.9 | 3130.2 | 3128.4 |
| 25°   | 3164.2 | 3158.9 | 3148.1 | 3133.8 | 3126.6 | 3106.9 | 3099.8 | 3085.4 | 3081.9 | 3071.1 | 3069.3 |
| 27.5° | 3071.1 | 3064.0 | 3051.4 | 3033.5 | 3021.0 | 3008.4 | 3001.3 | 2990.5 | 2987.0 | 2976.2 | 2974.4 |
| 30°   | 2931.4 | 2922.5 | 2897.4 | 2890.3 | 2868.7 | 2856.2 | 2856.2 | 2841.9 | 2843.7 | 2836.5 | 2836.5 |
| 32.5° | 2711.2 | 2696.9 | 2677.1 | 2662.8 | 2648.5 | 2641.3 | 2641.3 | 2636.0 | 2639.5 | 2639.5 | 2643.1 |
| 35°   | 2419.3 | 2399.6 | 2388.8 | 2379.9 | 2379.9 | 2387.0 | 2408.5 | 2413.9 | 2424.7 | 2433.6 | 2440.8 |
| 37.5° | 2045.0 | 2043.2 | 2055.8 | 2066.5 | 2093.4 | 2123.8 | 2161.4 | 2193.7 | 2224.1 | 2245.6 | 2267.1 |
| 40°   | 1640.3 | 1685.1 | 1720.9 | 1771.1 | 1812.2 | 1871.3 | 1939.4 | 1994.9 | 2046.8 | 2084.4 | 2123.8 |
| 42.5° | 1280.4 | 1337.7 | 1412.9 | 1486.3 | 1559.7 | 1640.3 | 1729.9 | 1806.9 | 1874.9 | 1926.8 | 1968.0 |
| 45°   | 997.4  | 1076.2 | 1167.6 | 1260.7 | 1355.6 | 1455.9 | 1549.0 | 1627.8 | 1699.4 | 1753.1 | 1794.3 |
| 47.5° | 804.0  | 890.0  | 993.8  | 1095.9 | 1203.4 | 1309.0 | 1412.9 | 1481.0 | 1540.0 | 1583.0 | 1620.6 |
| 50°   | 664.3  | 755.7  | 864.9  | 981.3  | 1088.8 | 1194.4 | 1284.0 | 1350.2 | 1398.6 | 1436.2 | 1459.4 |
| 52.5° | 555.1  | 651.8  | 768.2  | 884.6  | 992.0  | 1088.8 | 1169.4 | 1219.5 | 1258.9 | 1285.7 | 1307.2 |
| 55°   | 458.4  | 551.6  | 660.8  | 770.0  | 875.7  | 967.0  | 1033.2 | 1070.9 | 1101.3 | 1117.4 | 1129.9 |
| 57.5° | 374.3  | 460.2  | 560.5  | 660.8  | 752.1  | 827.3  | 879.3  | 916.9  | 931.2  | 943.7  | 941.9  |
| 60°   | 293.7  | 374.3  | 465.6  | 551.6  | 630.3  | 691.2  | 728.8  | 750.3  | 761.0  | 766.4  | 762.8  |
| 62.5° | 231.0  | 304.4  | 374.3  | 449.5  | 506.8  | 558.7  | 594.5  | 594.5  | 599.9  | 601.7  | 607.1  |
| 65°   | 171.9  | 227.4  | 288.3  | 343.8  | 390.4  | 424.4  | 444.1  | 449.5  | 456.7  | 454.9  | 451.3  |
| 67.5° | 127.2  | 168.3  | 213.1  | 254.3  | 286.5  | 308.0  | 322.3  | 334.9  | 333.1  | 329.5  | 327.7  |
| 70°   | 87.8   | 114.6  | 154.0  | 179.1  | 202.3  | 223.9  | 227.4  | 229.2  | 231.0  | 232.8  | 229.2  |
| 72.5° | 60.9   | 80.6   | 102.1  | 123.6  | 137.9  | 146.8  | 155.8  | 157.6  | 157.6  | 157.6  | 155.8  |
| 75°   | 30.5   | 41.2   | 60.9   | 69.8   | 82.4   | 86.0   | 93.1   | 93.1   | 98.5   | 91.3   | 89.5   |
| 77.5° | 26.9   | 32.2   | 43.0   | 50.1   | 55.5   | 60.9   | 62.7   | 68.0   | 66.3   | 62.7   | 64.5   |
| 80°   | 16.1   | 19.7   | 26.9   | 30.5   | 37.6   | 39.4   | 41.2   | 43.0   | 41.2   | 43.0   | 43.0   |
| 82.5° | 12.5   | 14.3   | 17.9   | 17.9   | 23.3   | 23.3   | 25.1   | 25.1   | 26.9   | 26.9   | 26.9   |
| 85°   | 7.1    | 12.5   | 10.7   | 21.5   | 14.3   | 14.3   | 17.9   | 21.5   | 17.9   | 17.9   | 21.5   |
| 87.5° | 7.1    | 7.1    | 5.4    | 7.1    | 7.1    | 7.1    | 8.9    | 10.7   | 10.7   | 12.5   | 10.7   |
| 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: P249100

CATALOG NUMBER: LD8B60D010 ER8B60835 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 3336.1 | 3336.1 | 3336.1 | 3336.1 |
| 2.5°  | 3341.5 | 3345.1 | 3339.7 | 3337.9 |
| 5°    | 3346.9 | 3346.9 | 3343.3 | 3343.3 |
| 7.5°  | 3346.9 | 3346.9 | 3341.5 | 3337.9 |
| 10°   | 3332.5 | 3332.5 | 3327.2 | 3323.6 |
| 12.5° | 3305.7 | 3305.7 | 3303.9 | 3298.5 |
| 15°   | 3271.7 | 3271.7 | 3264.5 | 3259.2 |
| 17.5° | 3225.1 | 3228.7 | 3219.8 | 3219.8 |
| 20°   | 3175.0 | 3173.2 | 3166.0 | 3162.5 |
| 22.5° | 3123.1 | 3119.5 | 3117.7 | 3106.9 |
| 25°   | 3067.5 | 3064.0 | 3058.6 | 3053.2 |
| 27.5° | 2972.6 | 2970.8 | 2965.5 | 2958.3 |
| 30°   | 2827.6 | 2825.8 | 2818.6 | 2818.6 |
| 32.5° | 2639.5 | 2637.7 | 2630.6 | 2632.4 |
| 35°   | 2444.3 | 2451.5 | 2447.9 | 2440.8 |
| 37.5° | 2281.4 | 2286.8 | 2290.4 | 2286.8 |
| 40°   | 2145.3 | 2161.4 | 2163.2 | 2166.8 |
| 42.5° | 2000.3 | 2021.7 | 2028.9 | 2032.5 |
| 45°   | 1826.5 | 1846.2 | 1862.4 | 1858.8 |
| 47.5° | 1649.3 | 1663.6 | 1677.9 | 1667.2 |
| 50°   | 1479.2 | 1488.1 | 1493.5 | 1493.5 |
| 52.5° | 1318.0 | 1318.0 | 1316.2 | 1318.0 |
| 55°   | 1133.5 | 1133.5 | 1126.4 | 1129.9 |
| 57.5° | 940.1  | 943.7  | 938.3  | 929.4  |
| 60°   | 761.0  | 752.1  | 748.5  | 743.2  |
| 62.5° | 592.7  | 592.7  | 580.2  | 596.3  |
| 65°   | 444.1  | 438.7  | 433.3  | 431.5  |
| 67.5° | 322.3  | 320.6  | 315.2  | 313.4  |
| 70°   | 227.4  | 220.3  | 218.5  | 214.9  |
| 72.5° | 152.2  | 152.2  | 148.6  | 148.6  |
| 75°   | 93.1   | 84.2   | 82.4   | 84.2   |
| 77.5° | 64.5   | 62.7   | 62.7   | 60.9   |
| 80°   | 43.0   | 41.2   | 44.8   | 39.4   |
| 82.5° | 26.9   | 28.7   | 26.9   | 28.7   |
| 85°   | 17.9   | 21.5   | 19.7   | 19.7   |
| 87.5° | 10.7   | 10.7   | 10.7   | 10.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)