

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: P250908

Luminaire Tested: **LD8B60D010 ER8B60927 8LBSW0LI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250908  
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: LD8B60D010 ER8B60927 8LBSW0LI  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT  
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5164.9 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Spacing Criteria (0/90/45): 1.12 / 1.2 / 1.11  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

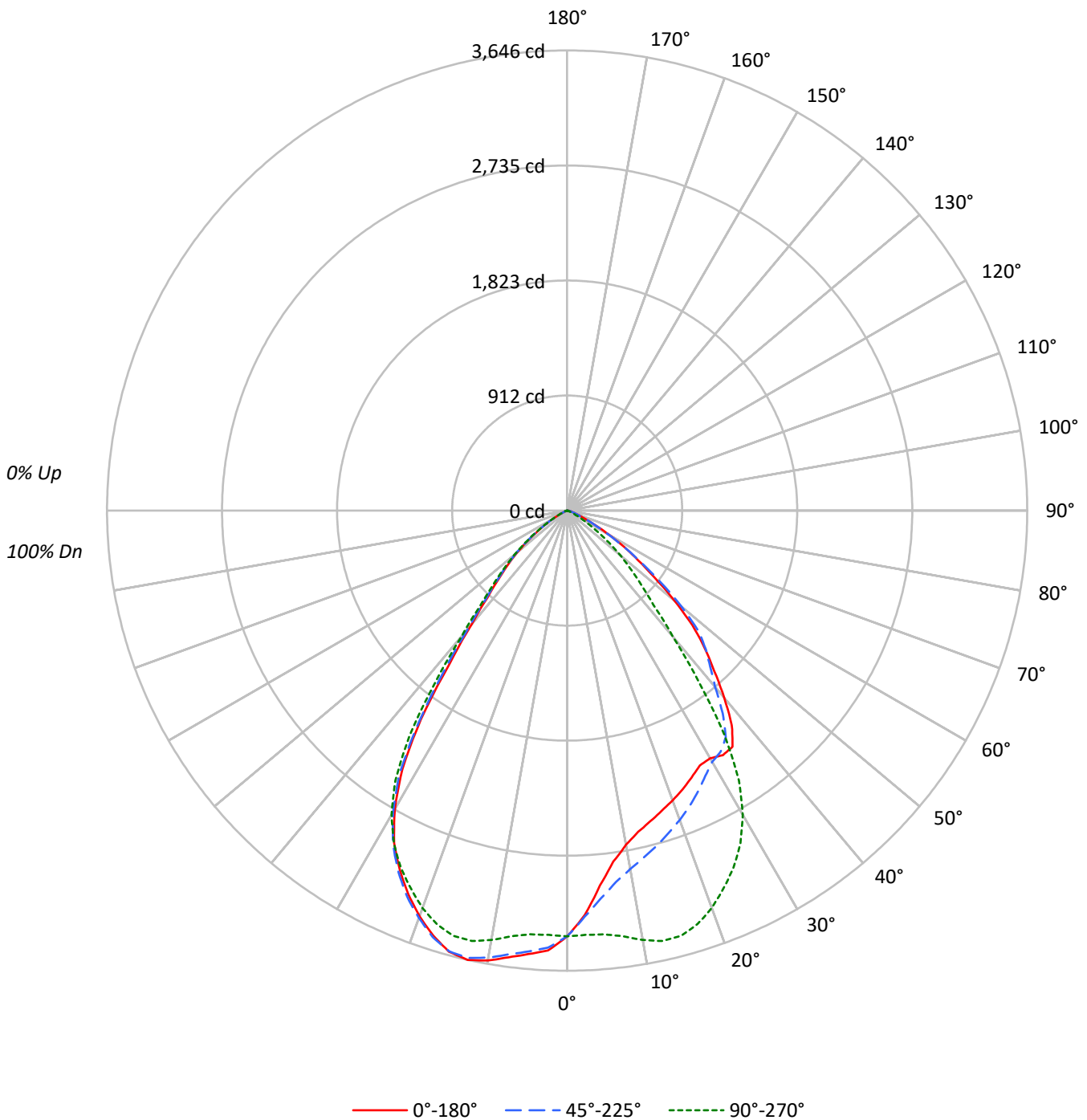
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

**AVERAGE LUMINANCE (cd/sqm):**

|     |  |     |      |
|-----|--|-----|------|
|     | 0°   | 90° | 180° |
| 0°  | Luminaire represents a point source (luminous area is zero). |     |      |
| 5°  | No luminance values can be calculated.                       |     |      |
| 10° |  |     |      |
| 15° |  |     |      |
| 20° |  |     |      |
| 25° |  |     |      |
| 30° |  |     |      |
| 35° |  |     |      |
| 40° |  |     |      |
| 45° |  |     |      |
| 50° |  |     |      |
| 55° |  |     |      |
| 60° |  |     |      |
| 65° |  |     |      |
| 70° |  |     |      |
| 75° |  |     |      |
| 80° |  |     |      |
| 85° |  |     |      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 314.5  | 6.1       |
| 10°-20°   | 908.3  | 17.6      |
| 20°-30°   | 1318.3 | 25.5      |
| 30°-40°   | 1298.4 | 25.1      |
| 40°-50°   | 813.9  | 15.8      |
| 50°-60°   | 392.8  | 7.6       |
| 60°-70°   | 95.0   | 1.8       |
| 70°-80°   | 19.2   | 0.4       |
| 80°-90°   | 4.4    | 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°    | 2541.1 | 49.2      |
| 0°-40°    | 3839.5 | 74.3      |
| 0°-60°    | 5046.2 | 97.7      |
| 0°-90°    | 5164.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5164.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3374 | 3374 | 3374 | 3374 | 3374 |      |
| 5°  | 2982 | 3083 | 3370 | 3506 | 3527 | 276  |
| 15° | 2548 | 2748 | 3488 | 3615 | 3618 | 720  |
| 25° | 2333 | 2455 | 3120 | 3163 | 3140 | 1080 |
| 35° | 2284 | 2192 | 2178 | 2054 | 2020 | 1382 |
| 45° | 1543 | 1553 | 824  | 789  | 767  | 1179 |
| 55° | 685  | 707  | 300  | 296  | 282  | 630  |
| 65° | 160  | 159  | 44   | 38   | 34   | 183  |
| 75° | 39   | 34   | 10   | 4    | 4    | 44   |
| 85° | 12   | 9    | 2    | 0    | 0    | 12   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 |
| 2.5°  | 3207.5 | 3187.0 | 3148.9 | 3195.0 | 3195.0 | 3169.4 | 3220.8 | 3189.7 | 3214.6 | 3253.5 | 3219.0 |
| 5°    | 2982.3 | 2965.4 | 2933.5 | 2982.3 | 2988.5 | 2964.5 | 3026.6 | 3003.5 | 3039.9 | 3087.8 | 3083.3 |
| 7.5°  | 2804.1 | 2782.8 | 2753.5 | 2804.1 | 2813.8 | 2797.9 | 2857.3 | 2846.6 | 2894.5 | 2956.5 | 2967.2 |
| 10°   | 2688.0 | 2665.8 | 2640.0 | 2686.2 | 2693.2 | 2682.7 | 2742.9 | 2736.7 | 2783.7 | 2855.5 | 2883.8 |
| 12.5° | 2605.5 | 2586.8 | 2558.5 | 2607.3 | 2615.3 | 2600.2 | 2656.9 | 2654.2 | 2703.0 | 2778.4 | 2813.8 |
| 15°   | 2547.9 | 2525.7 | 2500.0 | 2541.7 | 2552.3 | 2535.4 | 2589.5 | 2584.2 | 2633.8 | 2708.3 | 2748.3 |
| 17.5° | 2493.8 | 2473.4 | 2446.8 | 2485.8 | 2496.5 | 2478.7 | 2531.9 | 2523.0 | 2565.6 | 2636.5 | 2677.3 |
| 20°   | 2443.3 | 2421.1 | 2397.2 | 2437.1 | 2443.3 | 2422.9 | 2476.0 | 2464.5 | 2502.7 | 2568.3 | 2608.2 |
| 22.5° | 2391.0 | 2367.9 | 2343.0 | 2382.1 | 2388.3 | 2367.9 | 2416.6 | 2403.3 | 2438.8 | 2498.2 | 2534.6 |
| 25°   | 2333.4 | 2312.1 | 2287.2 | 2323.6 | 2328.9 | 2306.7 | 2358.1 | 2341.4 | 2372.3 | 2424.6 | 2454.8 |
| 27.5° | 2275.6 | 2255.3 | 2227.8 | 2265.1 | 2267.8 | 2246.4 | 2293.4 | 2270.4 | 2296.1 | 2343.9 | 2369.7 |
| 30°   | 2266.0 | 2242.9 | 2214.6 | 2244.7 | 2245.6 | 2218.0 | 2262.4 | 2234.9 | 2249.1 | 2284.5 | 2299.6 |
| 32.5° | 2297.0 | 2274.0 | 2244.7 | 2269.5 | 2266.9 | 2236.7 | 2279.2 | 2245.6 | 2250.0 | 2268.6 | 2265.1 |
| 35°   | 2284.5 | 2257.1 | 2222.5 | 2249.1 | 2249.1 | 2212.8 | 2255.3 | 2215.5 | 2211.0 | 2213.7 | 2191.5 |
| 37.5° | 2143.6 | 2122.3 | 2089.6 | 2115.2 | 2112.6 | 2085.1 | 2117.9 | 2085.1 | 2070.0 | 2063.8 | 2024.0 |
| 40°   | 1936.1 | 1910.5 | 1885.6 | 1913.1 | 1915.8 | 1886.5 | 1929.0 | 1891.8 | 1887.4 | 1869.6 | 1822.7 |
| 42.5° | 1726.1 | 1717.2 | 1693.2 | 1716.3 | 1728.7 | 1703.9 | 1739.4 | 1721.6 | 1724.3 | 1719.9 | 1675.6 |
| 45°   | 1542.6 | 1527.5 | 1509.8 | 1536.3 | 1544.3 | 1531.9 | 1567.4 | 1556.8 | 1567.4 | 1589.5 | 1553.2 |
| 47.5° | 1344.8 | 1329.8 | 1310.3 | 1338.6 | 1352.8 | 1329.8 | 1359.9 | 1356.4 | 1372.4 | 1410.4 | 1406.9 |
| 50°   | 1106.3 | 1095.8 | 1092.1 | 1095.8 | 1104.6 | 1094.0 | 1115.2 | 1116.1 | 1126.8 | 1179.1 | 1182.6 |
| 52.5° | 875.9  | 873.2  | 860.8  | 872.3  | 872.3  | 855.4  | 876.8  | 867.0  | 877.6  | 913.2  | 936.1  |
| 55°   | 685.2  | 682.6  | 674.7  | 685.2  | 673.8  | 667.6  | 673.8  | 664.0  | 656.0  | 683.6  | 707.4  |
| 57.5° | 533.7  | 524.8  | 515.0  | 519.5  | 518.6  | 505.4  | 512.4  | 500.8  | 494.7  | 504.4  | 525.7  |
| 60°   | 380.4  | 377.7  | 368.8  | 373.3  | 376.8  | 367.0  | 374.1  | 368.8  | 358.2  | 366.2  | 367.0  |
| 62.5° | 252.7  | 254.5  | 249.1  | 250.0  | 247.4  | 245.6  | 250.0  | 252.7  | 250.0  | 246.5  | 247.4  |
| 65°   | 160.4  | 159.5  | 158.7  | 159.5  | 161.3  | 157.8  | 160.4  | 162.2  | 159.5  | 159.5  | 158.7  |
| 67.5° | 106.4  | 103.7  | 101.0  | 102.8  | 104.6  | 101.9  | 104.6  | 103.7  | 104.6  | 103.7  | 101.0  |
| 70°   | 71.8   | 70.9   | 70.1   | 70.9   | 70.9   | 69.2   | 70.9   | 70.1   | 70.9   | 70.1   | 67.4   |
| 72.5° | 52.3   | 52.3   | 51.4   | 52.3   | 52.3   | 50.5   | 51.4   | 49.6   | 50.5   | 49.6   | 47.9   |
| 75°   | 39.0   | 39.0   | 38.1   | 39.0   | 38.1   | 37.2   | 38.1   | 37.2   | 35.4   | 35.4   | 33.6   |
| 77.5° | 28.4   | 28.4   | 28.4   | 28.4   | 28.4   | 27.4   | 27.4   | 26.6   | 25.8   | 24.9   | 24.9   |
| 80°   | 21.3   | 20.4   | 20.4   | 20.4   | 20.4   | 19.5   | 20.4   | 19.5   | 18.6   | 17.8   | 16.9   |
| 82.5° | 15.1   | 16.0   | 15.1   | 15.1   | 15.1   | 14.2   | 15.1   | 14.2   | 14.2   | 13.3   | 11.5   |
| 85°   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 10.7   | 10.7   | 10.7   | 9.8    | 9.8    | 8.9    |
| 87.5° | 6.2    | 6.2    | 6.2    | 7.1    | 6.2    | 6.2    | 6.2    | 5.3    | 5.3    | 4.4    | 4.4    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 |
| 2.5°  | 3265.1 | 3269.5 | 3259.8 | 3274.8 | 3333.4 | 3286.4 | 3305.8 | 3312.0 | 3356.3 | 3364.3 | 3359.0 |
| 5°    | 3141.0 | 3160.5 | 3172.8 | 3206.6 | 3271.3 | 3237.6 | 3272.2 | 3294.3 | 3351.0 | 3369.7 | 3374.1 |
| 7.5°  | 3043.5 | 3084.2 | 3114.3 | 3169.4 | 3245.5 | 3219.9 | 3272.2 | 3308.5 | 3377.7 | 3401.6 | 3413.1 |
| 10°   | 2970.8 | 3032.8 | 3085.1 | 3160.5 | 3246.4 | 3229.6 | 3297.8 | 3349.2 | 3426.4 | 3454.8 | 3468.9 |
| 12.5° | 2915.8 | 2991.2 | 3061.1 | 3156.9 | 3250.0 | 3242.0 | 3324.5 | 3383.0 | 3464.6 | 3492.9 | 3509.8 |
| 15°   | 2855.5 | 2942.3 | 3023.9 | 3131.2 | 3231.3 | 3229.6 | 3318.3 | 3380.3 | 3463.6 | 3487.6 | 3503.6 |
| 17.5° | 2783.7 | 2876.7 | 2966.3 | 3082.4 | 3181.7 | 3183.5 | 3273.1 | 3334.2 | 3415.7 | 3435.3 | 3445.9 |
| 20°   | 2711.0 | 2803.2 | 2892.7 | 3012.4 | 3110.0 | 3112.5 | 3200.4 | 3257.1 | 3335.1 | 3351.0 | 3353.7 |
| 22.5° | 2633.8 | 2719.8 | 2809.4 | 2928.2 | 3022.2 | 3023.9 | 3110.8 | 3164.0 | 3230.4 | 3238.4 | 3245.5 |
| 25°   | 2546.1 | 2630.4 | 2714.5 | 2832.4 | 2922.0 | 2927.2 | 3006.2 | 3053.1 | 3114.3 | 3120.5 | 3123.2 |
| 27.5° | 2454.8 | 2523.9 | 2604.6 | 2705.6 | 2796.1 | 2792.6 | 2867.1 | 2920.2 | 2975.2 | 2971.6 | 2970.8 |
| 30°   | 2362.6 | 2420.2 | 2469.8 | 2567.4 | 2633.8 | 2636.5 | 2706.5 | 2732.3 | 2789.9 | 2782.8 | 2781.9 |
| 32.5° | 2297.8 | 2312.9 | 2326.3 | 2375.9 | 2438.8 | 2416.6 | 2464.5 | 2496.5 | 2536.3 | 2533.7 | 2534.6 |
| 35°   | 2179.1 | 2151.6 | 2111.7 | 2118.8 | 2157.0 | 2122.3 | 2148.1 | 2147.2 | 2187.9 | 2178.2 | 2189.7 |
| 37.5° | 1976.1 | 1898.1 | 1809.4 | 1758.8 | 1765.9 | 1722.5 | 1713.6 | 1735.0 | 1749.2 | 1721.6 | 1731.4 |
| 40°   | 1759.7 | 1644.5 | 1506.1 | 1391.0 | 1384.8 | 1330.6 | 1321.0 | 1299.6 | 1327.2 | 1304.1 | 1311.2 |
| 42.5° | 1600.2 | 1447.6 | 1266.0 | 1125.9 | 1095.8 | 1050.5 | 1024.0 | 1020.4 | 1028.4 | 1012.4 | 1008.0 |
| 45°   | 1477.8 | 1315.6 | 1107.2 | 946.8  | 913.2  | 864.3  | 837.8  | 828.0  | 828.9  | 823.6  | 819.1  |
| 47.5° | 1334.2 | 1171.1 | 960.1  | 796.1  | 758.0  | 711.9  | 685.2  | 679.1  | 682.6  | 675.6  | 670.2  |
| 50°   | 1135.7 | 989.3  | 796.9  | 647.2  | 613.5  | 579.8  | 558.6  | 552.3  | 551.4  | 546.1  | 542.6  |
| 52.5° | 921.9  | 800.6  | 633.8  | 508.8  | 478.7  | 446.0  | 430.9  | 422.9  | 423.8  | 418.4  | 413.1  |
| 55°   | 713.7  | 638.3  | 491.2  | 384.8  | 357.3  | 331.5  | 317.4  | 307.6  | 305.0  | 299.7  | 297.0  |
| 57.5° | 531.0  | 480.5  | 367.9  | 277.5  | 261.6  | 236.7  | 222.5  | 210.9  | 209.2  | 206.6  | 205.6  |
| 60°   | 372.4  | 336.0  | 258.9  | 197.7  | 179.1  | 164.0  | 149.8  | 138.3  | 133.0  | 132.1  | 129.5  |
| 62.5° | 241.1  | 218.9  | 170.2  | 132.1  | 117.9  | 107.3  | 93.0   | 85.0   | 81.6   | 78.0   | 78.9   |
| 65°   | 149.8  | 133.0  | 106.4  | 85.0   | 77.2   | 69.2   | 58.5   | 51.4   | 47.9   | 44.3   | 45.2   |
| 67.5° | 93.0   | 83.4   | 67.4   | 55.0   | 49.6   | 43.4   | 35.4   | 30.2   | 27.4   | 24.9   | 23.1   |
| 70°   | 62.9   | 54.1   | 46.1   | 39.0   | 35.4   | 31.0   | 25.8   | 21.3   | 19.5   | 17.8   | 16.0   |
| 72.5° | 44.3   | 39.9   | 33.6   | 29.2   | 26.6   | 23.1   | 19.5   | 16.9   | 15.1   | 13.3   | 11.5   |
| 75°   | 32.0   | 28.4   | 24.9   | 21.3   | 19.5   | 17.8   | 15.1   | 13.3   | 11.5   | 9.8    | 8.0    |
| 77.5° | 23.1   | 20.4   | 17.8   | 16.0   | 15.1   | 12.4   | 10.7   | 9.8    | 8.9    | 7.1    | 5.3    |
| 80°   | 16.0   | 14.2   | 11.5   | 10.7   | 10.7   | 8.9    | 8.0    | 7.1    | 6.2    | 4.4    | 3.6    |
| 82.5° | 10.7   | 9.8    | 8.9    | 8.0    | 7.1    | 6.2    | 6.2    | 4.4    | 3.6    | 2.7    | 1.8    |
| 85°   | 8.0    | 7.1    | 6.2    | 5.3    | 5.3    | 4.4    | 3.6    | 2.7    | 2.7    | 1.8    | 0.9    |
| 87.5° | 4.4    | 4.4    | 3.6    | 2.7    | 2.7    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 |
| 2.5°  | 3404.2 | 3407.0 | 3422.0 | 3410.4 | 3439.7 | 3461.0 | 3450.4 | 3474.3 | 3466.4 | 3464.6 | 3492.0 |
| 5°    | 3427.3 | 3433.5 | 3453.9 | 3443.3 | 3475.1 | 3498.2 | 3487.6 | 3514.2 | 3506.2 | 3504.4 | 3532.8 |
| 7.5°  | 3471.6 | 3477.8 | 3495.6 | 3486.7 | 3520.4 | 3540.8 | 3527.4 | 3556.7 | 3546.1 | 3545.2 | 3572.7 |
| 10°   | 3527.4 | 3536.3 | 3551.4 | 3542.5 | 3573.6 | 3591.3 | 3578.1 | 3606.4 | 3596.6 | 3592.2 | 3622.4 |
| 12.5° | 3569.2 | 3575.4 | 3590.4 | 3583.4 | 3613.5 | 3626.8 | 3615.2 | 3642.8 | 3630.3 | 3626.8 | 3653.3 |
| 15°   | 3559.4 | 3565.6 | 3578.1 | 3571.8 | 3600.2 | 3612.6 | 3597.5 | 3627.7 | 3615.2 | 3608.1 | 3632.1 |
| 17.5° | 3497.3 | 3500.9 | 3509.8 | 3503.6 | 3533.7 | 3541.6 | 3524.8 | 3555.0 | 3543.4 | 3531.0 | 3554.1 |
| 20°   | 3406.0 | 3404.2 | 3409.5 | 3407.0 | 3431.7 | 3436.2 | 3425.5 | 3447.7 | 3434.4 | 3427.3 | 3440.6 |
| 22.5° | 3292.5 | 3290.7 | 3294.3 | 3287.2 | 3312.0 | 3314.7 | 3298.7 | 3325.4 | 3312.0 | 3298.7 | 3320.9 |
| 25°   | 3166.6 | 3156.9 | 3155.2 | 3157.8 | 3174.6 | 3177.3 | 3160.5 | 3179.9 | 3163.2 | 3152.5 | 3173.7 |
| 27.5° | 3011.5 | 2999.1 | 2996.4 | 2999.1 | 3015.9 | 3003.5 | 2989.4 | 3003.5 | 2986.6 | 2977.0 | 2990.2 |
| 30°   | 2820.0 | 2802.3 | 2794.3 | 2789.0 | 2806.8 | 2802.3 | 2769.5 | 2785.5 | 2758.8 | 2744.7 | 2754.5 |
| 32.5° | 2562.1 | 2552.3 | 2531.0 | 2518.6 | 2535.4 | 2501.8 | 2481.4 | 2481.4 | 2470.7 | 2446.8 | 2452.2 |
| 35°   | 2203.9 | 2188.8 | 2169.3 | 2158.6 | 2161.4 | 2116.1 | 2082.5 | 2089.6 | 2054.0 | 2047.8 | 2050.5 |
| 37.5° | 1750.8 | 1726.1 | 1719.0 | 1696.8 | 1702.1 | 1662.2 | 1616.2 | 1617.0 | 1598.4 | 1578.9 | 1572.6 |
| 40°   | 1315.6 | 1311.2 | 1304.1 | 1285.4 | 1292.5 | 1249.1 | 1231.4 | 1232.2 | 1219.8 | 1205.7 | 1212.8 |
| 42.5° | 1016.9 | 1002.7 | 998.2  | 992.0  | 993.8  | 986.7  | 963.7  | 966.3  | 955.7  | 952.1  | 948.6  |
| 45°   | 826.2  | 811.1  | 800.6  | 805.8  | 805.8  | 797.8  | 789.0  | 794.4  | 789.0  | 781.9  | 785.5  |
| 47.5° | 680.8  | 666.7  | 661.4  | 660.5  | 666.7  | 661.4  | 652.5  | 654.3  | 653.4  | 650.7  | 648.9  |
| 50°   | 543.5  | 539.9  | 535.5  | 532.8  | 535.5  | 533.7  | 525.7  | 530.1  | 532.8  | 523.9  | 526.6  |
| 52.5° | 414.0  | 414.0  | 413.1  | 406.9  | 412.2  | 406.9  | 406.0  | 407.8  | 405.1  | 401.6  | 400.7  |
| 55°   | 303.2  | 300.5  | 296.1  | 295.2  | 297.0  | 295.2  | 293.4  | 294.3  | 296.1  | 287.2  | 287.2  |
| 57.5° | 207.4  | 205.6  | 203.1  | 203.1  | 206.6  | 202.2  | 199.5  | 203.1  | 199.5  | 196.0  | 196.0  |
| 60°   | 133.0  | 132.1  | 129.5  | 129.5  | 129.5  | 128.6  | 125.9  | 126.8  | 128.6  | 123.2  | 124.1  |
| 62.5° | 79.8   | 77.2   | 76.3   | 75.4   | 76.3   | 75.4   | 75.4   | 74.5   | 73.6   | 73.6   | 70.9   |
| 65°   | 43.4   | 41.6   | 39.9   | 40.7   | 40.7   | 39.9   | 39.9   | 39.9   | 38.1   | 37.2   | 36.3   |
| 67.5° | 22.2   | 20.4   | 20.4   | 19.5   | 19.5   | 19.5   | 19.5   | 18.6   | 18.6   | 18.6   | 17.8   |
| 70°   | 14.2   | 13.3   | 12.4   | 12.4   | 12.4   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 10.7   |
| 72.5° | 9.8    | 8.9    | 8.0    | 8.0    | 8.0    | 7.1    | 7.1    | 7.1    | 7.1    | 6.2    | 6.2    |
| 75°   | 7.1    | 6.2    | 5.3    | 5.3    | 5.3    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    | 4.4    |
| 77.5° | 4.4    | 3.6    | 3.6    | 3.6    | 3.6    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 1.8    |
| 80°   | 2.7    | 2.7    | 1.8    | 1.8    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 82.5° | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.0    |
| 85°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.9    | 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: P250908

CATALOG NUMBER: LD8B60D010 ER8B60927 8LBSW01

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 | 3374.1 |
| 2.5°  | 3482.2 | 3475.1 | 3479.6 | 3512.4 | 3498.2 | 3493.8 | 3456.6 | 3489.3 |
| 5°    | 3524.0 | 3518.7 | 3518.7 | 3555.9 | 3539.0 | 3535.4 | 3499.1 | 3527.4 |
| 7.5°  | 3563.0 | 3557.6 | 3558.5 | 3596.6 | 3583.4 | 3578.1 | 3541.6 | 3570.1 |
| 10°   | 3613.5 | 3609.9 | 3610.8 | 3647.1 | 3633.0 | 3627.7 | 3590.4 | 3619.7 |
| 12.5° | 3643.6 | 3638.2 | 3638.2 | 3677.3 | 3661.3 | 3653.3 | 3617.9 | 3646.2 |
| 15°   | 3620.6 | 3612.6 | 3612.6 | 3651.6 | 3633.9 | 3622.4 | 3591.3 | 3617.9 |
| 17.5° | 3541.6 | 3533.7 | 3533.7 | 3567.4 | 3554.1 | 3537.2 | 3505.3 | 3530.1 |
| 20°   | 3431.7 | 3422.0 | 3419.3 | 3458.4 | 3439.7 | 3424.6 | 3396.3 | 3420.2 |
| 22.5° | 3307.6 | 3303.2 | 3295.2 | 3334.2 | 3317.4 | 3301.4 | 3271.3 | 3289.8 |
| 25°   | 3158.7 | 3151.6 | 3143.6 | 3181.7 | 3164.8 | 3148.9 | 3125.0 | 3140.1 |
| 27.5° | 2973.4 | 2974.3 | 2969.9 | 3000.0 | 2983.2 | 2974.3 | 2945.0 | 2969.9 |
| 30°   | 2749.2 | 2739.4 | 2735.8 | 2771.3 | 2755.4 | 2743.8 | 2707.4 | 2731.4 |
| 32.5° | 2456.5 | 2442.4 | 2423.7 | 2463.6 | 2436.2 | 2426.4 | 2395.4 | 2430.0 |
| 35°   | 2031.1 | 2026.6 | 2009.7 | 2043.4 | 2028.4 | 2010.6 | 1991.1 | 2020.4 |
| 37.5° | 1570.0 | 1573.5 | 1571.9 | 1580.6 | 1571.9 | 1560.3 | 1539.0 | 1528.3 |
| 40°   | 1198.6 | 1189.7 | 1182.6 | 1198.6 | 1180.0 | 1180.0 | 1167.5 | 1180.8 |
| 42.5° | 939.7  | 936.1  | 945.0  | 948.6  | 937.9  | 936.1  | 934.4  | 933.5  |
| 45°   | 775.7  | 775.7  | 777.5  | 781.0  | 777.5  | 775.7  | 770.4  | 766.8  |
| 47.5° | 639.2  | 642.7  | 639.2  | 650.7  | 644.5  | 642.7  | 632.1  | 636.5  |
| 50°   | 517.7  | 513.3  | 517.7  | 521.3  | 522.1  | 516.8  | 511.5  | 514.2  |
| 52.5° | 401.6  | 394.5  | 392.7  | 398.0  | 394.5  | 394.5  | 390.9  | 390.0  |
| 55°   | 282.8  | 285.4  | 281.0  | 285.4  | 283.7  | 281.0  | 278.3  | 281.9  |
| 57.5° | 191.5  | 192.4  | 190.6  | 193.3  | 188.8  | 189.7  | 188.8  | 188.0  |
| 60°   | 124.1  | 120.6  | 120.6  | 123.2  | 118.8  | 118.8  | 117.9  | 117.9  |
| 62.5° | 70.9   | 70.1   | 70.1   | 69.2   | 68.3   | 68.3   | 68.3   | 66.5   |
| 65°   | 36.3   | 35.4   | 34.5   | 34.5   | 34.5   | 34.5   | 33.6   | 33.6   |
| 67.5° | 17.8   | 16.9   | 16.9   | 17.8   | 16.9   | 16.9   | 16.9   | 16.9   |
| 70°   | 10.7   | 10.7   | 9.8    | 10.7   | 9.8    | 9.8    | 9.8    | 9.8    |
| 72.5° | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    | 6.2    |
| 75°   | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    | 3.6    |
| 77.5° | 2.7    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 80°   | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 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)