

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: P249181

Luminaire Tested: **LSR8B60D010 EC8B60930 8LBDW0H**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249181  
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: LSR8B60D010 EC8B60930 8LBDW0H  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5221.6 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

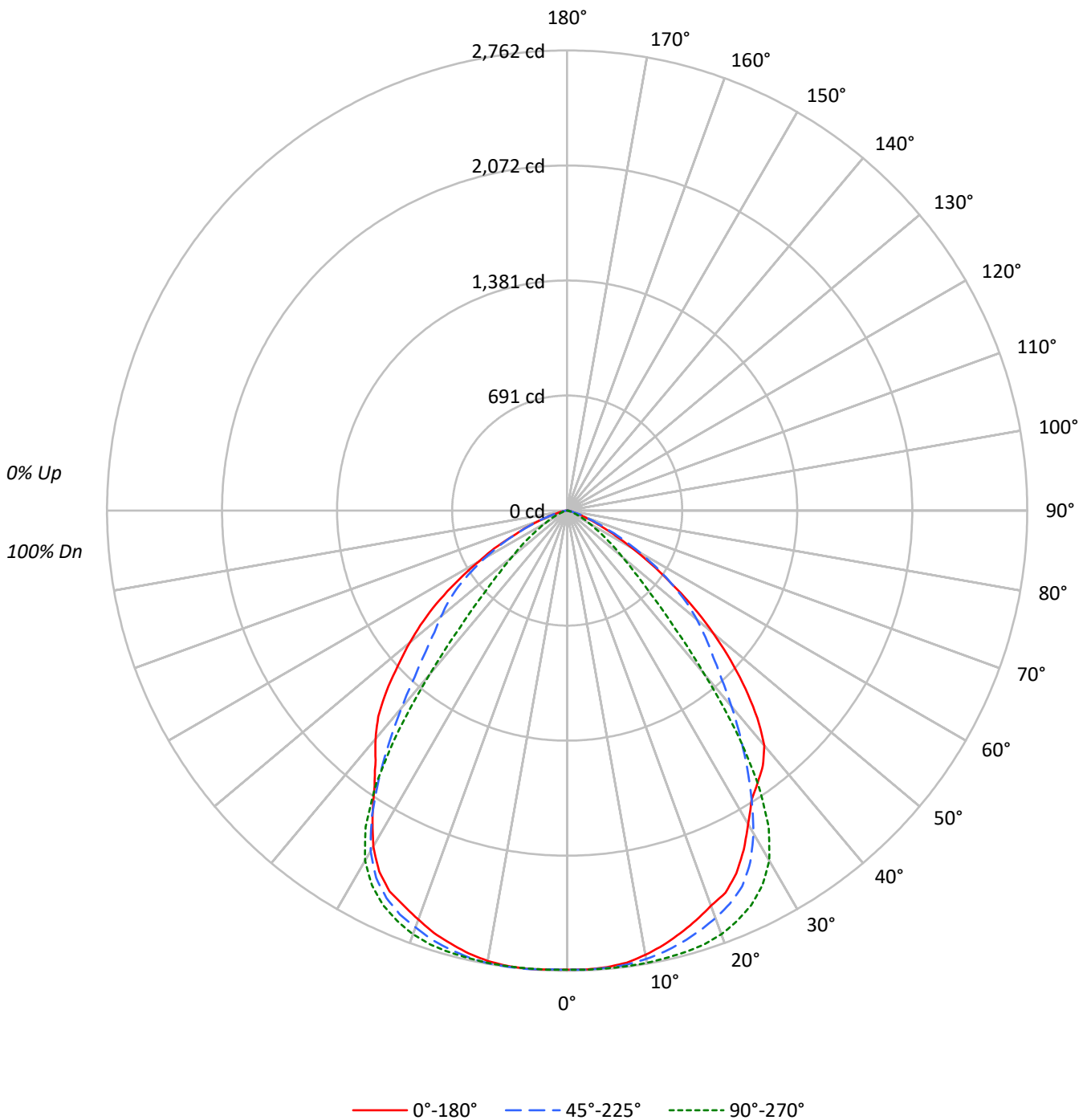
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 | 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°  | 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°    | 262.9  | 5.0       |
| 10°-20°   | 763.6  | 14.6      |
| 20°-30°   | 1159.0 | 22.2      |
| 30°-40°   | 1217.3 | 23.3      |
| 40°-50°   | 912.6  | 17.5      |
| 50°-60°   | 585.6  | 11.2      |
| 60°-70°   | 250.5  | 4.8       |
| 70°-80°   | 59.2   | 1.1       |
| 80°-90°   | 11.0   | 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°    | 2185.5 | 41.9      |
| 0°-40°    | 3402.7 | 65.2      |
| 0°-60°    | 4900.9 | 93.9      |
| 0°-90°    | 5221.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5221.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2755 | 2755 | 2755 | 2755 | 2755 |      |
| 5°  | 2751 | 2755 | 2758 | 2762 | 2761 | 261  |
| 15° | 2626 | 2681 | 2743 | 2726 | 2691 | 741  |
| 25° | 2403 | 2487 | 2613 | 2566 | 2521 | 1098 |
| 35° | 1994 | 1882 | 1995 | 1971 | 2016 | 1251 |
| 45° | 1514 | 1238 | 711  | 1202 | 1535 | 1160 |
| 55° | 766  | 766  | 265  | 799  | 933  | 695  |
| 65° | 231  | 272  | 84   | 350  | 356  | 246  |
| 75° | 36   | 41   | 12   | 71   | 70   | 52   |
| 85° | 12   | 7    | 6    | 12   | 16   | 13   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 |
| 2.5°  | 2756.5 | 2759.5 | 2758.0 | 2758.0 | 2756.5 | 2758.0 | 2758.0 | 2760.9 | 2760.9 | 2758.0 | 2756.5 |
| 5°    | 2750.6 | 2753.5 | 2753.5 | 2750.6 | 2750.6 | 2758.0 | 2753.5 | 2756.5 | 2756.5 | 2755.1 | 2755.1 |
| 7.5°  | 2737.3 | 2737.3 | 2743.2 | 2738.8 | 2738.8 | 2743.2 | 2741.7 | 2744.7 | 2747.7 | 2749.1 | 2749.1 |
| 10°   | 2707.7 | 2710.7 | 2712.1 | 2712.1 | 2713.6 | 2718.1 | 2721.0 | 2726.9 | 2729.9 | 2732.9 | 2734.3 |
| 12.5° | 2670.8 | 2675.2 | 2676.6 | 2675.2 | 2679.6 | 2685.5 | 2693.0 | 2700.3 | 2704.7 | 2710.7 | 2715.1 |
| 15°   | 2626.4 | 2626.4 | 2629.3 | 2633.8 | 2636.7 | 2645.6 | 2653.0 | 2661.8 | 2673.7 | 2681.1 | 2688.5 |
| 17.5° | 2577.6 | 2580.5 | 2584.9 | 2584.9 | 2590.9 | 2605.7 | 2610.1 | 2623.5 | 2636.7 | 2644.1 | 2658.9 |
| 20°   | 2524.4 | 2527.3 | 2531.8 | 2534.7 | 2542.1 | 2553.9 | 2562.8 | 2574.6 | 2589.4 | 2602.7 | 2617.5 |
| 22.5° | 2482.9 | 2477.1 | 2480.0 | 2482.9 | 2490.3 | 2500.7 | 2511.0 | 2525.8 | 2540.6 | 2553.9 | 2568.7 |
| 25°   | 2403.1 | 2404.5 | 2409.0 | 2411.9 | 2420.8 | 2429.7 | 2441.5 | 2459.2 | 2472.6 | 2487.4 | 2503.6 |
| 27.5° | 2295.1 | 2296.6 | 2304.0 | 2304.0 | 2311.4 | 2326.2 | 2333.6 | 2348.4 | 2366.1 | 2380.9 | 2400.2 |
| 30°   | 2172.4 | 2175.3 | 2175.3 | 2181.2 | 2185.7 | 2193.1 | 2200.5 | 2215.3 | 2224.2 | 2237.4 | 2264.1 |
| 32.5° | 2059.9 | 2063.0 | 2061.4 | 2059.9 | 2055.6 | 2054.1 | 2052.6 | 2055.6 | 2058.5 | 2063.0 | 2073.3 |
| 35°   | 1993.5 | 1986.1 | 1980.1 | 1969.8 | 1957.9 | 1943.1 | 1929.8 | 1912.1 | 1895.8 | 1882.5 | 1867.8 |
| 37.5° | 1929.8 | 1928.3 | 1919.5 | 1904.7 | 1881.0 | 1854.5 | 1823.4 | 1785.0 | 1746.5 | 1705.0 | 1665.1 |
| 40°   | 1841.1 | 1836.6 | 1829.2 | 1808.6 | 1781.9 | 1749.4 | 1708.1 | 1660.8 | 1598.5 | 1535.0 | 1470.0 |
| 42.5° | 1690.2 | 1691.7 | 1682.8 | 1666.6 | 1641.5 | 1610.4 | 1567.5 | 1515.8 | 1449.2 | 1373.8 | 1289.5 |
| 45°   | 1514.4 | 1514.4 | 1511.3 | 1498.0 | 1480.3 | 1455.2 | 1422.7 | 1379.7 | 1314.7 | 1237.8 | 1147.6 |
| 47.5° | 1331.0 | 1332.4 | 1327.9 | 1325.0 | 1317.6 | 1301.4 | 1277.7 | 1245.2 | 1199.4 | 1125.4 | 1035.1 |
| 50°   | 1144.7 | 1144.7 | 1152.1 | 1150.5 | 1150.5 | 1144.7 | 1134.2 | 1115.1 | 1075.2 | 1016.0 | 931.7  |
| 52.5° | 958.2  | 961.3  | 965.6  | 971.6  | 979.0  | 990.9  | 979.0  | 970.1  | 945.0  | 899.2  | 826.6  |
| 55°   | 766.0  | 769.0  | 776.4  | 786.7  | 795.6  | 807.5  | 810.4  | 810.4  | 797.0  | 766.0  | 711.3  |
| 57.5° | 601.9  | 597.5  | 603.3  | 612.3  | 624.1  | 635.9  | 644.8  | 655.1  | 653.7  | 632.9  | 588.5  |
| 60°   | 452.5  | 454.0  | 458.4  | 467.3  | 476.2  | 486.5  | 498.4  | 507.3  | 511.6  | 501.3  | 473.2  |
| 62.5° | 329.8  | 329.8  | 335.6  | 344.6  | 349.0  | 363.8  | 371.2  | 375.6  | 380.0  | 378.6  | 360.8  |
| 65°   | 230.7  | 233.6  | 236.6  | 241.0  | 245.5  | 254.4  | 258.8  | 267.7  | 270.6  | 272.1  | 258.8  |
| 67.5° | 162.7  | 158.3  | 161.2  | 164.1  | 168.6  | 174.5  | 183.4  | 183.4  | 187.8  | 187.8  | 178.9  |
| 70°   | 103.5  | 103.5  | 105.0  | 109.4  | 112.4  | 113.9  | 116.8  | 119.7  | 124.2  | 122.7  | 122.7  |
| 72.5° | 69.5   | 68.0   | 69.5   | 71.0   | 72.5   | 76.9   | 76.9   | 78.4   | 81.4   | 82.8   | 76.9   |
| 75°   | 35.5   | 37.0   | 39.9   | 38.5   | 42.9   | 39.9   | 41.4   | 45.8   | 44.4   | 41.4   | 41.4   |
| 77.5° | 29.6   | 29.6   | 29.6   | 28.1   | 31.1   | 31.1   | 29.6   | 32.5   | 31.1   | 31.1   | 29.6   |
| 80°   | 20.7   | 22.2   | 20.7   | 19.2   | 20.7   | 19.2   | 19.2   | 19.2   | 19.2   | 19.2   | 17.7   |
| 82.5° | 16.3   | 13.3   | 14.8   | 13.3   | 14.8   | 14.8   | 13.3   | 11.9   | 11.9   | 13.3   | 11.9   |
| 85°   | 11.9   | 8.9    | 10.3   | 10.3   | 8.9    | 8.9    | 8.9    | 8.9    | 8.9    | 7.4    | 7.4    |
| 87.5° | 7.4    | 4.5    | 4.5    | 4.5    | 5.9    | 5.9    | 5.9    | 4.5    | 5.9    | 5.9    | 2.9    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 |
| 2.5°  | 2759.5 | 2758.0 | 2760.9 | 2759.5 | 2759.5 | 2758.0 | 2759.5 | 2758.0 | 2760.9 | 2755.1 | 2756.5 |
| 5°    | 2759.5 | 2756.5 | 2758.0 | 2759.5 | 2760.9 | 2758.0 | 2758.0 | 2758.0 | 2760.9 | 2758.0 | 2759.5 |
| 7.5°  | 2753.5 | 2752.1 | 2756.5 | 2759.5 | 2758.0 | 2756.5 | 2759.5 | 2758.0 | 2760.9 | 2759.5 | 2762.4 |
| 10°   | 2741.7 | 2743.2 | 2746.1 | 2750.6 | 2752.1 | 2753.5 | 2756.5 | 2756.5 | 2760.9 | 2755.1 | 2758.0 |
| 12.5° | 2724.0 | 2729.9 | 2737.3 | 2740.3 | 2746.1 | 2746.1 | 2749.1 | 2750.6 | 2753.5 | 2752.1 | 2756.5 |
| 15°   | 2701.8 | 2709.2 | 2718.1 | 2725.5 | 2732.9 | 2737.3 | 2741.7 | 2743.2 | 2747.7 | 2743.2 | 2744.7 |
| 17.5° | 2675.2 | 2684.0 | 2697.4 | 2706.2 | 2718.1 | 2722.5 | 2728.4 | 2731.3 | 2735.8 | 2732.9 | 2734.3 |
| 20°   | 2638.2 | 2648.6 | 2663.4 | 2676.6 | 2684.0 | 2694.4 | 2701.8 | 2706.2 | 2709.2 | 2706.2 | 2707.7 |
| 22.5° | 2586.5 | 2601.3 | 2620.4 | 2630.8 | 2645.6 | 2654.5 | 2656.0 | 2666.3 | 2673.7 | 2666.3 | 2669.3 |
| 25°   | 2525.8 | 2540.6 | 2555.4 | 2577.6 | 2590.9 | 2601.3 | 2611.6 | 2613.1 | 2620.4 | 2619.0 | 2617.5 |
| 27.5° | 2425.3 | 2444.5 | 2469.6 | 2487.4 | 2505.1 | 2521.4 | 2533.2 | 2536.2 | 2543.5 | 2540.6 | 2542.1 |
| 30°   | 2287.7 | 2308.5 | 2332.1 | 2360.2 | 2385.4 | 2401.6 | 2416.4 | 2426.7 | 2434.1 | 2429.7 | 2428.2 |
| 32.5° | 2092.6 | 2113.2 | 2138.4 | 2166.4 | 2196.0 | 2219.7 | 2237.4 | 2250.7 | 2259.6 | 2256.7 | 2249.3 |
| 35°   | 1869.3 | 1875.1 | 1891.5 | 1913.5 | 1938.8 | 1963.9 | 1980.1 | 1994.9 | 2005.2 | 2008.3 | 2008.3 |
| 37.5° | 1640.0 | 1620.7 | 1609.0 | 1609.0 | 1623.8 | 1634.1 | 1648.9 | 1657.7 | 1674.0 | 1679.9 | 1684.4 |
| 40°   | 1418.2 | 1373.8 | 1332.4 | 1301.4 | 1280.6 | 1279.2 | 1279.2 | 1283.5 | 1298.3 | 1317.6 | 1335.3 |
| 42.5° | 1220.0 | 1149.0 | 1085.5 | 1027.7 | 986.4  | 962.7  | 952.4  | 953.9  | 965.6  | 983.5  | 1012.9 |
| 45°   | 1061.8 | 973.0  | 893.2  | 823.7  | 767.5  | 730.6  | 712.8  | 711.3  | 720.1  | 740.9  | 773.5  |
| 47.5° | 939.1  | 844.4  | 754.2  | 674.3  | 613.7  | 573.7  | 553.1  | 547.2  | 553.1  | 572.3  | 610.7  |
| 50°   | 837.1  | 739.4  | 646.3  | 563.4  | 498.4  | 456.9  | 437.8  | 430.4  | 437.8  | 454.0  | 492.5  |
| 52.5° | 742.3  | 641.8  | 554.6  | 474.7  | 405.2  | 369.7  | 349.0  | 344.6  | 349.0  | 368.2  | 399.3  |
| 55°   | 632.9  | 547.2  | 461.4  | 381.5  | 320.9  | 285.4  | 269.2  | 264.7  | 269.2  | 286.9  | 319.5  |
| 57.5° | 525.0  | 451.1  | 375.6  | 303.1  | 251.4  | 220.3  | 205.6  | 199.7  | 210.0  | 221.8  | 260.3  |
| 60°   | 424.4  | 365.3  | 301.7  | 238.1  | 195.2  | 167.1  | 155.3  | 153.8  | 156.7  | 171.5  | 198.2  |
| 62.5° | 332.7  | 283.9  | 233.6  | 181.9  | 146.4  | 134.5  | 119.7  | 118.3  | 121.3  | 130.1  | 150.9  |
| 65°   | 239.6  | 208.5  | 170.1  | 133.1  | 105.0  | 88.7   | 82.8   | 84.3   | 87.2   | 93.2   | 112.4  |
| 67.5° | 167.1  | 144.9  | 118.3  | 93.2   | 72.5   | 65.0   | 59.2   | 57.7   | 59.2   | 69.5   | 79.8   |
| 70°   | 112.4  | 99.1   | 79.8   | 71.0   | 50.3   | 39.9   | 41.4   | 37.0   | 42.9   | 42.9   | 51.8   |
| 72.5° | 73.9   | 65.0   | 53.2   | 41.4   | 35.5   | 28.1   | 28.1   | 26.7   | 29.6   | 31.1   | 38.5   |
| 75°   | 38.5   | 29.6   | 29.6   | 20.7   | 14.8   | 7.4    | 13.3   | 11.9   | 10.3   | 11.9   | 14.8   |
| 77.5° | 26.7   | 22.2   | 20.7   | 16.3   | 14.8   | 11.9   | 11.9   | 11.9   | 11.9   | 13.3   | 14.8   |
| 80°   | 16.3   | 16.3   | 11.9   | 10.3   | 8.9    | 7.4    | 8.9    | 8.9    | 8.9    | 8.9    | 10.3   |
| 82.5° | 10.3   | 8.9    | 8.9    | 7.4    | 7.4    | 5.9    | 5.9    | 5.9    | 5.9    | 5.9    | 8.9    |
| 85°   | 8.9    | 5.9    | 5.9    | 4.5    | 5.9    | 10.3   | 4.5    | 5.9    | 5.9    | 5.9    | 4.5    |
| 87.5° | 2.9    | 4.5    | 4.5    | 4.5    | 2.9    | 1.5    | 2.9    | 4.5    | 4.5    | 7.4    | 5.9    |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2755.1 |
| 2.5°  | 2759.5 | 2760.9 | 2760.9 | 2759.5 | 2759.5 | 2756.5 | 2762.4 | 2758.0 | 2759.5 | 2765.4 | 2760.9 |
| 5°    | 2762.4 | 2763.9 | 2763.9 | 2762.4 | 2762.4 | 2762.4 | 2763.9 | 2763.9 | 2762.4 | 2760.9 | 2763.9 |
| 7.5°  | 2768.3 | 2766.9 | 2766.9 | 2763.9 | 2763.9 | 2760.9 | 2763.9 | 2759.5 | 2762.4 | 2759.5 | 2763.9 |
| 10°   | 2760.9 | 2762.4 | 2760.9 | 2759.5 | 2759.5 | 2758.0 | 2758.0 | 2753.5 | 2755.1 | 2750.6 | 2753.5 |
| 12.5° | 2756.5 | 2755.1 | 2755.1 | 2752.1 | 2749.1 | 2746.1 | 2744.7 | 2740.3 | 2740.3 | 2729.9 | 2734.3 |
| 15°   | 2744.7 | 2746.1 | 2741.7 | 2735.8 | 2732.9 | 2725.5 | 2722.5 | 2716.5 | 2710.7 | 2703.3 | 2704.7 |
| 17.5° | 2734.3 | 2729.9 | 2724.0 | 2718.1 | 2706.2 | 2700.3 | 2694.4 | 2685.5 | 2682.6 | 2673.7 | 2670.8 |
| 20°   | 2703.3 | 2700.3 | 2693.0 | 2682.6 | 2675.2 | 2661.8 | 2656.0 | 2647.1 | 2639.6 | 2630.8 | 2626.4 |
| 22.5° | 2663.4 | 2660.4 | 2651.5 | 2641.2 | 2629.3 | 2623.5 | 2617.5 | 2601.3 | 2593.9 | 2584.9 | 2583.5 |
| 25°   | 2613.1 | 2608.7 | 2599.7 | 2587.9 | 2582.0 | 2565.7 | 2559.8 | 2548.0 | 2545.0 | 2536.2 | 2534.7 |
| 27.5° | 2536.2 | 2530.2 | 2519.9 | 2505.1 | 2494.8 | 2484.4 | 2478.5 | 2469.6 | 2466.6 | 2457.8 | 2456.3 |
| 30°   | 2420.8 | 2413.4 | 2392.7 | 2386.8 | 2369.0 | 2358.7 | 2358.7 | 2346.9 | 2348.4 | 2342.4 | 2342.4 |
| 32.5° | 2239.0 | 2227.1 | 2210.8 | 2199.0 | 2187.2 | 2181.2 | 2181.2 | 2176.8 | 2179.8 | 2179.8 | 2182.7 |
| 35°   | 1997.8 | 1981.6 | 1972.7 | 1965.3 | 1965.3 | 1971.3 | 1989.0 | 1993.5 | 2002.3 | 2009.7 | 2015.7 |
| 37.5° | 1688.8 | 1687.3 | 1697.6 | 1706.6 | 1728.7 | 1753.9 | 1785.0 | 1811.5 | 1836.6 | 1854.5 | 1872.2 |
| 40°   | 1354.6 | 1391.6 | 1421.1 | 1462.6 | 1496.5 | 1545.4 | 1601.6 | 1647.4 | 1690.2 | 1721.4 | 1753.9 |
| 42.5° | 1057.3 | 1104.6 | 1166.8 | 1227.4 | 1288.0 | 1354.6 | 1428.6 | 1492.2 | 1548.3 | 1591.1 | 1625.2 |
| 45°   | 823.7  | 888.7  | 964.2  | 1041.1 | 1119.4 | 1202.3 | 1279.2 | 1344.2 | 1403.4 | 1447.8 | 1481.7 |
| 47.5° | 664.0  | 734.9  | 820.7  | 905.0  | 993.8  | 1081.0 | 1166.8 | 1223.0 | 1271.8 | 1307.3 | 1338.4 |
| 50°   | 548.6  | 624.1  | 714.3  | 810.4  | 899.2  | 986.4  | 1060.4 | 1115.1 | 1155.0 | 1186.0 | 1205.2 |
| 52.5° | 458.4  | 538.3  | 634.4  | 730.6  | 819.2  | 899.2  | 965.6  | 1007.1 | 1039.6 | 1061.8 | 1079.5 |
| 55°   | 378.6  | 455.5  | 545.7  | 635.9  | 723.2  | 798.6  | 853.3  | 884.4  | 909.5  | 922.8  | 933.1  |
| 57.5° | 309.1  | 380.0  | 462.9  | 545.7  | 621.1  | 683.2  | 726.1  | 757.1  | 769.0  | 779.3  | 777.9  |
| 60°   | 242.6  | 309.1  | 384.5  | 455.5  | 520.6  | 570.8  | 601.9  | 619.6  | 628.4  | 632.9  | 630.0  |
| 62.5° | 190.8  | 251.4  | 309.1  | 371.2  | 418.5  | 461.4  | 491.0  | 491.0  | 495.4  | 496.8  | 501.3  |
| 65°   | 141.9  | 187.8  | 238.1  | 283.9  | 322.4  | 350.4  | 366.8  | 371.2  | 377.1  | 375.6  | 372.6  |
| 67.5° | 105.0  | 139.0  | 176.0  | 210.0  | 236.6  | 254.4  | 266.1  | 276.6  | 275.1  | 272.1  | 270.6  |
| 70°   | 72.5   | 94.6   | 127.2  | 147.9  | 167.1  | 184.9  | 187.8  | 189.2  | 190.8  | 192.3  | 189.2  |
| 72.5° | 50.3   | 66.6   | 84.3   | 102.0  | 113.9  | 121.3  | 128.7  | 130.1  | 130.1  | 130.1  | 128.7  |
| 75°   | 25.1   | 34.0   | 50.3   | 57.7   | 68.0   | 71.0   | 76.9   | 76.9   | 81.4   | 75.4   | 73.9   |
| 77.5° | 22.2   | 26.7   | 35.5   | 41.4   | 45.8   | 50.3   | 51.8   | 56.2   | 54.7   | 51.8   | 53.2   |
| 80°   | 13.3   | 16.3   | 22.2   | 25.1   | 31.1   | 32.5   | 34.0   | 35.5   | 34.0   | 35.5   | 35.5   |
| 82.5° | 10.3   | 11.9   | 14.8   | 14.8   | 19.2   | 19.2   | 20.7   | 20.7   | 22.2   | 22.2   | 22.2   |
| 85°   | 5.9    | 10.3   | 8.9    | 17.7   | 11.9   | 11.9   | 14.8   | 17.7   | 14.8   | 14.8   | 17.7   |
| 87.5° | 5.9    | 5.9    | 4.5    | 5.9    | 5.9    | 5.9    | 7.4    | 8.9    | 8.9    | 10.3   | 8.9    |
| 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: P249181

CATALOG NUMBER: LSR8B60D010 EC8B60930 8LBDW0H

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 2755.1 | 2755.1 | 2755.1 | 2755.1 |
| 2.5°  | 2759.5 | 2762.4 | 2758.0 | 2756.5 |
| 5°    | 2763.9 | 2763.9 | 2760.9 | 2760.9 |
| 7.5°  | 2763.9 | 2763.9 | 2759.5 | 2756.5 |
| 10°   | 2752.1 | 2752.1 | 2747.7 | 2744.7 |
| 12.5° | 2729.9 | 2729.9 | 2728.4 | 2724.0 |
| 15°   | 2701.8 | 2701.8 | 2695.9 | 2691.4 |
| 17.5° | 2663.4 | 2666.3 | 2658.9 | 2658.9 |
| 20°   | 2621.9 | 2620.4 | 2614.5 | 2611.6 |
| 22.5° | 2579.1 | 2576.1 | 2574.6 | 2565.7 |
| 25°   | 2533.2 | 2530.2 | 2525.8 | 2521.4 |
| 27.5° | 2454.9 | 2453.3 | 2448.9 | 2443.0 |
| 30°   | 2335.0 | 2333.6 | 2327.6 | 2327.6 |
| 32.5° | 2179.8 | 2178.3 | 2172.4 | 2173.8 |
| 35°   | 2018.6 | 2024.5 | 2021.5 | 2015.7 |
| 37.5° | 1884.0 | 1888.4 | 1891.5 | 1888.4 |
| 40°   | 1771.6 | 1785.0 | 1786.4 | 1789.3 |
| 42.5° | 1651.8 | 1669.6 | 1675.6 | 1678.5 |
| 45°   | 1508.4 | 1524.7 | 1538.0 | 1535.0 |
| 47.5° | 1362.0 | 1373.8 | 1385.7 | 1376.8 |
| 50°   | 1221.6 | 1228.8 | 1233.3 | 1233.3 |
| 52.5° | 1088.4 | 1088.4 | 1086.9 | 1088.4 |
| 55°   | 936.0  | 936.0  | 930.2  | 933.1  |
| 57.5° | 776.4  | 779.3  | 774.8  | 767.5  |
| 60°   | 628.4  | 621.1  | 618.1  | 613.7  |
| 62.5° | 489.5  | 489.5  | 479.1  | 492.5  |
| 65°   | 366.8  | 362.3  | 357.8  | 356.4  |
| 67.5° | 266.1  | 264.7  | 260.3  | 258.8  |
| 70°   | 187.8  | 181.9  | 180.4  | 177.5  |
| 72.5° | 125.7  | 125.7  | 122.7  | 122.7  |
| 75°   | 76.9   | 69.5   | 68.0   | 69.5   |
| 77.5° | 53.2   | 51.8   | 51.8   | 50.3   |
| 80°   | 35.5   | 34.0   | 37.0   | 32.5   |
| 82.5° | 22.2   | 23.7   | 22.2   | 23.7   |
| 85°   | 14.8   | 17.7   | 16.3   | 16.3   |
| 87.5° | 8.9    | 8.9    | 8.9    | 8.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)