

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: P250910

Luminaire Tested: **LSR8B60D010 EC8B60930 8LBSWOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P250910  
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 EC8B60930 8LBSW0LI  
Description: PORTFOLIO 8 INCH SINGLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5444.7 lumens  
Efficiency: N/A  
Efficacy: 91.5 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

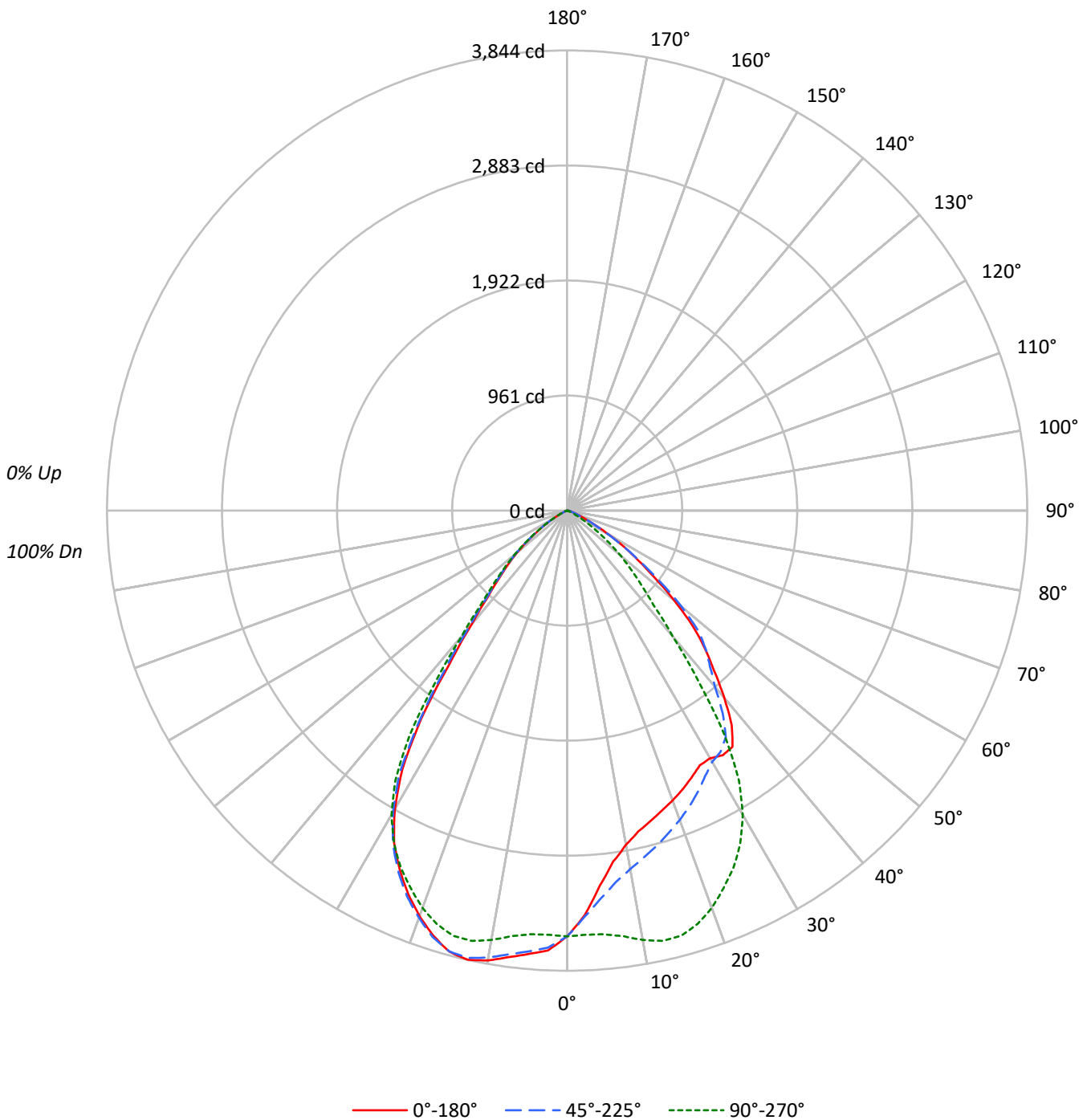
Input Watts (W): 59.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°    | 331.5  | 6.1       |
| 10°-20°   | 957.5  | 17.6      |
| 20°-30°   | 1389.8 | 25.5      |
| 30°-40°   | 1368.8 | 25.1      |
| 40°-50°   | 858.0  | 15.8      |
| 50°-60°   | 414.0  | 7.6       |
| 60°-70°   | 100.2  | 1.8       |
| 70°-80°   | 20.2   | 0.4       |
| 80°-90°   | 4.6    | 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°    | 2678.8 | 49.2      |
| 0°-40°    | 4047.6 | 74.3      |
| 0°-60°    | 5319.6 | 97.7      |
| 0°-90°    | 5444.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5444.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3557 | 3557 | 3557 | 3557 | 3557 |      |
| 5°  | 3144 | 3250 | 3552 | 3696 | 3719 | 291  |
| 15° | 2686 | 2897 | 3676 | 3811 | 3814 | 759  |
| 25° | 2460 | 2588 | 3290 | 3334 | 3310 | 1138 |
| 35° | 2408 | 2310 | 2296 | 2165 | 2130 | 1457 |
| 45° | 1626 | 1637 | 868  | 832  | 808  | 1243 |
| 55° | 722  | 746  | 316  | 312  | 297  | 665  |
| 65° | 169  | 167  | 47   | 40   | 36   | 193  |
| 75° | 41   | 36   | 10   | 5    | 4    | 46   |
| 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°    | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 |
| 2.5°  | 3381.2 | 3359.7 | 3319.5 | 3368.2 | 3368.2 | 3341.0 | 3395.3 | 3362.6 | 3388.7 | 3429.8 | 3393.4 |
| 5°    | 3143.8 | 3126.1 | 3092.4 | 3143.8 | 3150.3 | 3125.1 | 3190.6 | 3166.3 | 3204.6 | 3255.0 | 3250.3 |
| 7.5°  | 2956.0 | 2933.5 | 2902.7 | 2956.0 | 2966.3 | 2949.5 | 3012.0 | 3000.8 | 3051.4 | 3116.7 | 3127.9 |
| 10°   | 2833.6 | 2810.2 | 2783.1 | 2831.6 | 2839.2 | 2827.9 | 2891.5 | 2885.0 | 2934.4 | 3010.2 | 3040.2 |
| 12.5° | 2746.7 | 2727.1 | 2697.1 | 2748.5 | 2757.0 | 2741.1 | 2800.8 | 2798.0 | 2849.5 | 2928.8 | 2966.3 |
| 15°   | 2685.9 | 2662.5 | 2635.5 | 2679.4 | 2690.6 | 2672.8 | 2729.9 | 2724.3 | 2776.6 | 2855.1 | 2897.1 |
| 17.5° | 2628.9 | 2607.4 | 2579.4 | 2620.4 | 2631.7 | 2613.1 | 2669.1 | 2659.7 | 2704.6 | 2779.4 | 2822.3 |
| 20°   | 2575.6 | 2552.3 | 2527.1 | 2569.1 | 2575.6 | 2554.1 | 2610.2 | 2598.0 | 2638.3 | 2707.4 | 2749.5 |
| 22.5° | 2520.5 | 2496.2 | 2470.0 | 2511.2 | 2517.7 | 2496.2 | 2547.6 | 2533.6 | 2570.9 | 2633.6 | 2671.9 |
| 25°   | 2459.7 | 2437.3 | 2411.2 | 2449.5 | 2455.1 | 2431.7 | 2485.9 | 2468.1 | 2500.8 | 2556.0 | 2587.8 |
| 27.5° | 2399.1 | 2377.5 | 2348.5 | 2387.7 | 2390.5 | 2368.1 | 2417.7 | 2393.4 | 2420.5 | 2470.9 | 2498.0 |
| 30°   | 2388.7 | 2364.4 | 2334.5 | 2366.3 | 2367.2 | 2338.3 | 2384.9 | 2356.0 | 2370.9 | 2408.4 | 2424.3 |
| 32.5° | 2421.5 | 2397.1 | 2366.3 | 2392.4 | 2389.6 | 2357.9 | 2402.8 | 2367.2 | 2371.9 | 2391.5 | 2387.7 |
| 35°   | 2408.4 | 2379.3 | 2342.9 | 2370.9 | 2370.9 | 2332.7 | 2377.5 | 2335.5 | 2330.8 | 2333.6 | 2310.3 |
| 37.5° | 2259.7 | 2237.3 | 2202.8 | 2229.9 | 2227.1 | 2198.1 | 2232.7 | 2198.1 | 2182.1 | 2175.6 | 2133.6 |
| 40°   | 2041.1 | 2014.0 | 1987.8 | 2016.8 | 2019.6 | 1988.8 | 2033.6 | 1994.4 | 1989.7 | 1970.9 | 1921.4 |
| 42.5° | 1819.6 | 1810.2 | 1785.0 | 1809.3 | 1822.4 | 1796.2 | 1833.6 | 1814.9 | 1817.7 | 1813.0 | 1766.4 |
| 45°   | 1626.1 | 1610.2 | 1591.6 | 1619.6 | 1628.0 | 1614.9 | 1652.2 | 1641.0 | 1652.2 | 1675.7 | 1637.3 |
| 47.5° | 1417.7 | 1401.8 | 1381.3 | 1411.2 | 1426.1 | 1401.8 | 1433.6 | 1429.8 | 1446.7 | 1486.9 | 1483.1 |
| 50°   | 1166.3 | 1155.1 | 1151.4 | 1155.1 | 1164.5 | 1153.3 | 1175.7 | 1176.6 | 1187.8 | 1243.0 | 1246.7 |
| 52.5° | 923.4  | 920.6  | 907.4  | 919.6  | 919.6  | 901.8  | 924.3  | 914.0  | 925.2  | 962.6  | 986.9  |
| 55°   | 722.4  | 719.6  | 711.2  | 722.4  | 710.3  | 703.8  | 710.3  | 700.0  | 691.5  | 720.6  | 745.8  |
| 57.5° | 562.6  | 553.2  | 543.0  | 547.6  | 546.7  | 532.7  | 540.2  | 528.0  | 521.5  | 531.8  | 554.2  |
| 60°   | 400.9  | 398.1  | 388.8  | 393.5  | 397.2  | 386.9  | 394.4  | 388.8  | 377.6  | 386.0  | 386.9  |
| 62.5° | 266.3  | 268.3  | 262.7  | 263.5  | 260.7  | 258.8  | 263.5  | 266.3  | 263.5  | 259.8  | 260.7  |
| 65°   | 169.2  | 168.3  | 167.3  | 168.3  | 170.1  | 166.4  | 169.2  | 171.1  | 168.3  | 168.3  | 167.3  |
| 67.5° | 112.1  | 109.3  | 106.5  | 108.4  | 110.3  | 107.5  | 110.3  | 109.3  | 110.3  | 109.3  | 106.5  |
| 70°   | 75.7   | 74.8   | 73.9   | 74.8   | 74.8   | 72.9   | 74.8   | 73.9   | 74.8   | 73.9   | 71.1   |
| 72.5° | 55.2   | 55.2   | 54.3   | 55.2   | 55.2   | 53.2   | 54.3   | 52.4   | 53.2   | 52.4   | 50.4   |
| 75°   | 41.1   | 41.1   | 40.1   | 41.1   | 40.1   | 39.2   | 40.1   | 39.2   | 37.3   | 37.3   | 35.5   |
| 77.5° | 29.9   | 29.9   | 29.9   | 29.9   | 29.9   | 28.9   | 28.9   | 28.0   | 27.1   | 26.1   | 26.1   |
| 80°   | 22.4   | 21.5   | 21.5   | 21.5   | 21.5   | 20.5   | 21.5   | 20.5   | 19.6   | 18.7   | 17.7   |
| 82.5° | 15.9   | 16.8   | 15.9   | 15.9   | 15.9   | 14.9   | 15.9   | 14.9   | 14.9   | 14.0   | 12.1   |
| 85°   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 11.2   | 11.2   | 11.2   | 10.3   | 10.3   | 9.3    |
| 87.5° | 6.5    | 6.5    | 6.5    | 7.5    | 6.5    | 6.5    | 6.5    | 5.6    | 5.6    | 4.7    | 4.7    |
| 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°    | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 |
| 2.5°  | 3441.9 | 3446.6 | 3436.3 | 3452.2 | 3513.9 | 3464.3 | 3485.0 | 3491.5 | 3538.2 | 3546.6 | 3541.0 |
| 5°    | 3311.1 | 3331.7 | 3344.7 | 3380.3 | 3448.5 | 3413.0 | 3449.4 | 3472.7 | 3532.6 | 3552.2 | 3556.9 |
| 7.5°  | 3208.3 | 3251.3 | 3283.1 | 3341.0 | 3421.4 | 3394.3 | 3449.4 | 3487.8 | 3560.6 | 3585.9 | 3598.1 |
| 10°   | 3131.7 | 3197.1 | 3252.2 | 3331.7 | 3422.3 | 3404.6 | 3476.6 | 3530.7 | 3612.1 | 3641.9 | 3656.9 |
| 12.5° | 3073.8 | 3153.1 | 3227.0 | 3327.9 | 3426.1 | 3417.7 | 3504.6 | 3566.2 | 3652.2 | 3682.1 | 3699.9 |
| 15°   | 3010.2 | 3101.8 | 3187.8 | 3300.9 | 3406.5 | 3404.6 | 3498.1 | 3563.4 | 3651.3 | 3676.5 | 3693.4 |
| 17.5° | 2934.4 | 3032.6 | 3127.0 | 3249.4 | 3354.1 | 3355.9 | 3450.3 | 3514.9 | 3600.9 | 3621.4 | 3632.6 |
| 20°   | 2857.9 | 2955.1 | 3049.5 | 3175.6 | 3278.4 | 3281.2 | 3373.8 | 3433.5 | 3515.8 | 3532.6 | 3535.4 |
| 22.5° | 2776.6 | 2867.2 | 2961.6 | 3086.8 | 3185.9 | 3187.8 | 3279.4 | 3335.4 | 3405.5 | 3413.9 | 3421.4 |
| 25°   | 2684.0 | 2772.8 | 2861.6 | 2985.9 | 3080.3 | 3085.9 | 3169.1 | 3218.6 | 3283.1 | 3289.6 | 3292.4 |
| 27.5° | 2587.8 | 2660.7 | 2745.7 | 2852.3 | 2947.6 | 2943.9 | 3022.3 | 3078.4 | 3136.3 | 3132.6 | 3131.7 |
| 30°   | 2490.6 | 2551.3 | 2603.6 | 2706.4 | 2776.6 | 2779.4 | 2853.2 | 2880.3 | 2941.1 | 2933.5 | 2932.6 |
| 32.5° | 2422.4 | 2438.3 | 2452.3 | 2504.7 | 2570.9 | 2547.6 | 2598.0 | 2631.7 | 2673.8 | 2671.0 | 2671.9 |
| 35°   | 2297.2 | 2268.1 | 2226.1 | 2233.6 | 2273.7 | 2237.3 | 2264.4 | 2263.5 | 2306.5 | 2296.1 | 2308.4 |
| 37.5° | 2083.2 | 2000.9 | 1907.4 | 1854.1 | 1861.6 | 1815.8 | 1806.5 | 1828.9 | 1843.8 | 1814.9 | 1825.2 |
| 40°   | 1855.1 | 1733.6 | 1587.8 | 1466.3 | 1459.8 | 1402.8 | 1392.5 | 1370.1 | 1399.0 | 1374.7 | 1382.2 |
| 42.5° | 1686.9 | 1526.1 | 1334.6 | 1186.9 | 1155.1 | 1107.4 | 1079.4 | 1075.7 | 1084.1 | 1067.3 | 1062.6 |
| 45°   | 1557.9 | 1386.9 | 1167.3 | 998.1  | 962.6  | 911.1  | 883.1  | 872.9  | 873.8  | 868.2  | 863.5  |
| 47.5° | 1406.5 | 1234.6 | 1012.2 | 839.2  | 799.0  | 750.4  | 722.4  | 715.9  | 719.6  | 712.2  | 706.6  |
| 50°   | 1197.1 | 1043.0 | 840.2  | 682.2  | 646.7  | 611.2  | 588.7  | 582.2  | 581.2  | 575.6  | 571.9  |
| 52.5° | 971.9  | 843.9  | 668.2  | 536.4  | 504.7  | 470.0  | 454.2  | 445.8  | 446.7  | 441.1  | 435.5  |
| 55°   | 752.3  | 672.8  | 517.8  | 405.6  | 376.7  | 349.5  | 334.6  | 324.3  | 321.5  | 315.9  | 313.1  |
| 57.5° | 559.8  | 506.6  | 387.9  | 292.5  | 275.7  | 249.5  | 234.6  | 222.4  | 220.5  | 217.7  | 216.8  |
| 60°   | 392.5  | 354.2  | 272.9  | 208.4  | 188.8  | 172.9  | 157.9  | 145.8  | 140.2  | 139.2  | 136.4  |
| 62.5° | 254.2  | 230.8  | 179.5  | 139.2  | 124.3  | 113.1  | 98.1   | 89.7   | 86.0   | 82.3   | 83.2   |
| 65°   | 157.9  | 140.2  | 112.1  | 89.7   | 81.3   | 72.9   | 61.7   | 54.3   | 50.4   | 46.7   | 47.6   |
| 67.5° | 98.1   | 87.9   | 71.1   | 58.0   | 52.4   | 45.8   | 37.3   | 31.7   | 28.9   | 26.1   | 24.3   |
| 70°   | 66.4   | 57.1   | 48.7   | 41.1   | 37.3   | 32.7   | 27.1   | 22.4   | 20.5   | 18.7   | 16.8   |
| 72.5° | 46.7   | 42.0   | 35.5   | 30.8   | 28.0   | 24.3   | 20.5   | 17.7   | 15.9   | 14.0   | 12.1   |
| 75°   | 33.6   | 29.9   | 26.1   | 22.4   | 20.5   | 18.7   | 15.9   | 14.0   | 12.1   | 10.3   | 8.4    |
| 77.5° | 24.3   | 21.5   | 18.7   | 16.8   | 15.9   | 13.1   | 11.2   | 10.3   | 9.3    | 7.5    | 5.6    |
| 80°   | 16.8   | 14.9   | 12.1   | 11.2   | 11.2   | 9.3    | 8.4    | 7.5    | 6.5    | 4.7    | 3.7    |
| 82.5° | 11.2   | 10.3   | 9.3    | 8.4    | 7.5    | 6.5    | 6.5    | 4.7    | 3.7    | 2.8    | 1.9    |
| 85°   | 8.4    | 7.5    | 6.5    | 5.6    | 5.6    | 4.7    | 3.7    | 2.8    | 2.8    | 1.9    | 0.9    |
| 87.5° | 4.7    | 4.7    | 3.7    | 2.8    | 2.8    | 1.9    | 1.9    | 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°    | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 |
| 2.5°  | 3588.7 | 3591.5 | 3607.4 | 3595.3 | 3626.1 | 3648.5 | 3637.3 | 3662.5 | 3654.1 | 3652.2 | 3681.3 |
| 5°    | 3613.0 | 3619.5 | 3641.0 | 3629.8 | 3663.4 | 3687.8 | 3676.5 | 3704.6 | 3696.2 | 3694.3 | 3724.2 |
| 7.5°  | 3659.7 | 3666.2 | 3685.0 | 3675.6 | 3711.1 | 3732.6 | 3718.6 | 3749.4 | 3738.2 | 3737.3 | 3766.2 |
| 10°   | 3718.6 | 3727.9 | 3743.8 | 3734.5 | 3767.2 | 3785.8 | 3771.8 | 3801.8 | 3791.4 | 3786.9 | 3818.6 |
| 12.5° | 3762.5 | 3769.0 | 3784.9 | 3777.4 | 3809.3 | 3823.3 | 3811.1 | 3840.1 | 3827.0 | 3823.3 | 3851.3 |
| 15°   | 3752.2 | 3758.8 | 3771.8 | 3765.3 | 3795.3 | 3808.3 | 3792.5 | 3824.2 | 3811.1 | 3803.7 | 3828.9 |
| 17.5° | 3686.9 | 3690.6 | 3699.9 | 3693.4 | 3725.1 | 3733.5 | 3715.8 | 3747.5 | 3735.4 | 3722.3 | 3746.6 |
| 20°   | 3590.6 | 3588.7 | 3594.3 | 3591.5 | 3617.7 | 3622.3 | 3611.1 | 3634.5 | 3620.5 | 3613.0 | 3627.0 |
| 22.5° | 3471.0 | 3469.0 | 3472.7 | 3465.3 | 3491.5 | 3494.3 | 3477.5 | 3505.5 | 3491.5 | 3477.5 | 3500.9 |
| 25°   | 3338.2 | 3327.9 | 3326.1 | 3328.9 | 3346.6 | 3349.4 | 3331.7 | 3352.2 | 3334.5 | 3323.3 | 3345.7 |
| 27.5° | 3174.7 | 3161.6 | 3158.8 | 3161.6 | 3179.4 | 3166.3 | 3151.4 | 3166.3 | 3148.6 | 3138.2 | 3152.3 |
| 30°   | 2972.8 | 2954.2 | 2945.8 | 2940.2 | 2958.8 | 2954.2 | 2919.5 | 2936.3 | 2908.3 | 2893.4 | 2903.6 |
| 32.5° | 2700.8 | 2690.6 | 2668.2 | 2655.1 | 2672.8 | 2637.3 | 2615.9 | 2615.9 | 2604.6 | 2579.4 | 2585.0 |
| 35°   | 2323.3 | 2307.5 | 2286.8 | 2275.6 | 2278.4 | 2230.8 | 2195.3 | 2202.8 | 2165.3 | 2158.8 | 2161.6 |
| 37.5° | 1845.7 | 1819.6 | 1812.1 | 1788.8 | 1794.4 | 1752.2 | 1703.7 | 1704.6 | 1685.0 | 1664.5 | 1657.8 |
| 40°   | 1386.9 | 1382.2 | 1374.7 | 1355.1 | 1362.6 | 1316.8 | 1298.1 | 1299.0 | 1285.9 | 1271.0 | 1278.5 |
| 42.5° | 1071.9 | 1057.0 | 1052.3 | 1045.8 | 1047.7 | 1040.2 | 1015.9 | 1018.7 | 1007.4 | 1003.7 | 999.9  |
| 45°   | 871.0  | 855.1  | 843.9  | 849.5  | 849.5  | 841.1  | 831.8  | 837.4  | 831.8  | 824.3  | 828.0  |
| 47.5° | 717.8  | 702.8  | 697.1  | 696.3  | 702.8  | 697.1  | 687.8  | 689.8  | 688.7  | 685.9  | 684.1  |
| 50°   | 572.8  | 569.1  | 564.4  | 561.6  | 564.4  | 562.6  | 554.2  | 558.8  | 561.6  | 552.3  | 555.1  |
| 52.5° | 436.4  | 436.4  | 435.5  | 429.0  | 434.6  | 429.0  | 428.0  | 429.9  | 427.1  | 423.4  | 422.4  |
| 55°   | 319.6  | 316.8  | 312.1  | 311.2  | 313.1  | 311.2  | 309.3  | 310.3  | 312.1  | 302.8  | 302.8  |
| 57.5° | 218.7  | 216.8  | 214.0  | 214.0  | 217.7  | 213.1  | 210.3  | 214.0  | 210.3  | 206.5  | 206.5  |
| 60°   | 140.2  | 139.2  | 136.4  | 136.4  | 136.4  | 135.5  | 132.7  | 133.6  | 135.5  | 129.9  | 130.8  |
| 62.5° | 84.1   | 81.3   | 80.4   | 79.5   | 80.4   | 79.5   | 79.5   | 78.5   | 77.6   | 77.6   | 74.8   |
| 65°   | 45.8   | 43.9   | 42.0   | 42.9   | 42.9   | 42.0   | 42.0   | 42.0   | 40.1   | 39.2   | 38.3   |
| 67.5° | 23.3   | 21.5   | 21.5   | 20.5   | 20.5   | 20.5   | 20.5   | 19.6   | 19.6   | 19.6   | 18.7   |
| 70°   | 14.9   | 14.0   | 13.1   | 13.1   | 13.1   | 12.1   | 12.1   | 12.1   | 12.1   | 12.1   | 11.2   |
| 72.5° | 10.3   | 9.3    | 8.4    | 8.4    | 8.4    | 7.5    | 7.5    | 7.5    | 7.5    | 6.5    | 6.5    |
| 75°   | 7.5    | 6.5    | 5.6    | 5.6    | 5.6    | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    | 4.7    |
| 77.5° | 4.7    | 3.7    | 3.7    | 3.7    | 3.7    | 2.8    | 2.8    | 2.8    | 2.8    | 2.8    | 1.9    |
| 80°   | 2.8    | 2.8    | 1.9    | 1.9    | 1.9    | 1.9    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    |
| 82.5° | 1.9    | 1.9    | 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: P250910

CATALOG NUMBER: LSR8B60D010 EC8B60930 8LBSW0LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 | 3556.9 |
| 2.5°  | 3670.9 | 3663.4 | 3668.1 | 3702.7 | 3687.8 | 3683.0 | 3643.8 | 3678.4 |
| 5°    | 3714.9 | 3709.3 | 3709.3 | 3748.5 | 3730.7 | 3727.0 | 3688.7 | 3718.6 |
| 7.5°  | 3756.0 | 3750.4 | 3751.3 | 3791.4 | 3777.4 | 3771.8 | 3733.5 | 3763.4 |
| 10°   | 3809.3 | 3805.5 | 3806.5 | 3844.8 | 3829.8 | 3824.2 | 3784.9 | 3815.8 |
| 12.5° | 3841.0 | 3835.4 | 3835.4 | 3876.5 | 3859.7 | 3851.3 | 3813.9 | 3843.8 |
| 15°   | 3816.7 | 3808.3 | 3808.3 | 3849.4 | 3830.7 | 3818.6 | 3785.8 | 3813.9 |
| 17.5° | 3733.5 | 3725.1 | 3725.1 | 3760.6 | 3746.6 | 3728.9 | 3695.3 | 3721.4 |
| 20°   | 3617.7 | 3607.4 | 3604.6 | 3645.7 | 3626.1 | 3610.2 | 3580.2 | 3605.5 |
| 22.5° | 3486.9 | 3482.2 | 3473.8 | 3514.9 | 3497.1 | 3480.3 | 3448.5 | 3468.1 |
| 25°   | 3329.8 | 3322.3 | 3313.9 | 3354.1 | 3336.3 | 3319.5 | 3294.3 | 3310.2 |
| 27.5° | 3134.5 | 3135.4 | 3130.7 | 3162.6 | 3144.7 | 3135.4 | 3104.6 | 3130.7 |
| 30°   | 2898.0 | 2887.8 | 2884.0 | 2921.4 | 2904.6 | 2892.4 | 2854.2 | 2879.4 |
| 32.5° | 2589.6 | 2574.7 | 2555.1 | 2597.1 | 2568.1 | 2557.9 | 2525.2 | 2561.6 |
| 35°   | 2141.1 | 2136.4 | 2118.6 | 2154.1 | 2138.3 | 2119.6 | 2099.0 | 2129.9 |
| 37.5° | 1655.0 | 1658.9 | 1657.0 | 1666.3 | 1657.0 | 1644.8 | 1622.4 | 1611.2 |
| 40°   | 1263.5 | 1254.2 | 1246.7 | 1263.5 | 1243.9 | 1243.9 | 1230.9 | 1244.9 |
| 42.5° | 990.6  | 986.9  | 996.2  | 999.9  | 988.7  | 986.9  | 985.0  | 984.1  |
| 45°   | 817.8  | 817.8  | 819.6  | 823.4  | 819.6  | 817.8  | 812.2  | 808.4  |
| 47.5° | 673.8  | 677.5  | 673.8  | 685.9  | 679.4  | 677.5  | 666.3  | 671.0  |
| 50°   | 545.8  | 541.1  | 545.8  | 549.5  | 550.4  | 544.8  | 539.2  | 542.0  |
| 52.5° | 423.4  | 415.9  | 414.0  | 419.6  | 415.9  | 415.9  | 412.2  | 411.2  |
| 55°   | 298.1  | 300.9  | 296.3  | 300.9  | 299.1  | 296.3  | 293.5  | 297.2  |
| 57.5° | 201.9  | 202.8  | 200.9  | 203.7  | 199.1  | 200.0  | 199.1  | 198.1  |
| 60°   | 130.8  | 127.1  | 127.1  | 129.9  | 125.2  | 125.2  | 124.3  | 124.3  |
| 62.5° | 74.8   | 73.9   | 73.9   | 72.9   | 72.0   | 72.0   | 72.0   | 70.1   |
| 65°   | 38.3   | 37.3   | 36.4   | 36.4   | 36.4   | 36.4   | 35.5   | 35.5   |
| 67.5° | 18.7   | 17.7   | 17.7   | 18.7   | 17.7   | 17.7   | 17.7   | 17.7   |
| 70°   | 11.2   | 11.2   | 10.3   | 11.2   | 10.3   | 10.3   | 10.3   | 10.3   |
| 72.5° | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    | 6.5    |
| 75°   | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    | 3.7    |
| 77.5° | 2.8    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    |
| 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)