

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: P249605

Luminaire Tested: **LSR8B70D010 EC8B70927 8LBDW0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P249605  
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: LSR8B70D010 EC8B70927 8LBDW0MW  
Description: PORTFOLIO 8 INCH DOUBLE WALL WASH DISTRIBUTION 60 DEGREE CUTOFF  
RECESSED DOWNLIGHT- CYLINDEC  
97 CRI 2700 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5911.9 lumens  
Efficiency: N/A  
Efficacy: 77.9 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

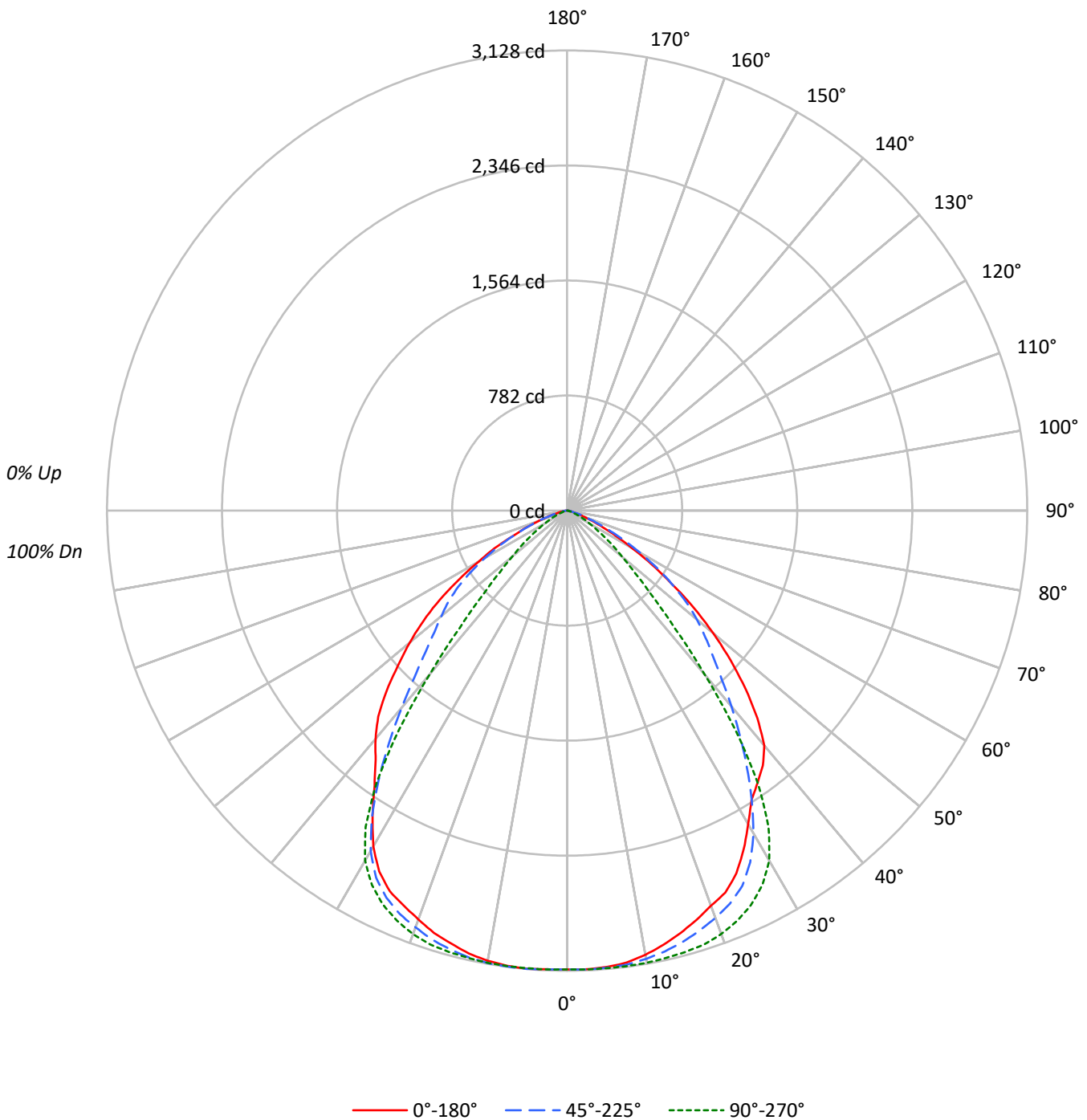
Input Watts (W): 75.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°    | 297.7  | 5.0       |
| 10°-20°   | 864.5  | 14.6      |
| 20°-30°   | 1312.2 | 22.2      |
| 30°-40°   | 1378.2 | 23.3      |
| 40°-50°   | 1033.3 | 17.5      |
| 50°-60°   | 663.0  | 11.2      |
| 60°-70°   | 283.6  | 4.8       |
| 70°-80°   | 67.0   | 1.1       |
| 80°-90°   | 12.4   | 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°    | 2474.4 | 41.9      |
| 0°-40°    | 3852.6 | 65.2      |
| 0°-60°    | 5548.8 | 93.9      |
| 0°-90°    | 5911.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5911.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3119 | 3119 | 3119 | 3119 | 3119 |      |
| 5°  | 3114 | 3119 | 3122 | 3128 | 3126 | 296  |
| 15° | 2974 | 3036 | 3106 | 3086 | 3047 | 839  |
| 25° | 2721 | 2816 | 2958 | 2905 | 2855 | 1243 |
| 35° | 2257 | 2131 | 2259 | 2232 | 2282 | 1417 |
| 45° | 1714 | 1401 | 805  | 1361 | 1738 | 1313 |
| 55° | 867  | 867  | 300  | 904  | 1056 | 787  |
| 65° | 261  | 308  | 95   | 397  | 404  | 279  |
| 75° | 40   | 47   | 13   | 80   | 79   | 59   |
| 85° | 13   | 8    | 7    | 13   | 18   | 14   |
| 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°    | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 |
| 2.5°  | 3120.9 | 3124.2 | 3122.5 | 3122.5 | 3120.9 | 3122.5 | 3122.5 | 3125.9 | 3125.9 | 3122.5 | 3120.9 |
| 5°    | 3114.2 | 3117.5 | 3117.5 | 3114.2 | 3114.2 | 3122.5 | 3117.5 | 3120.9 | 3120.9 | 3119.2 | 3119.2 |
| 7.5°  | 3099.2 | 3099.2 | 3105.8 | 3100.8 | 3100.8 | 3105.8 | 3104.1 | 3107.5 | 3110.8 | 3112.5 | 3112.5 |
| 10°   | 3065.6 | 3069.0 | 3070.7 | 3070.7 | 3072.4 | 3077.3 | 3080.7 | 3087.5 | 3090.7 | 3094.1 | 3095.8 |
| 12.5° | 3023.8 | 3028.8 | 3030.5 | 3028.8 | 3033.9 | 3040.5 | 3049.0 | 3057.3 | 3062.4 | 3069.0 | 3074.1 |
| 15°   | 2973.5 | 2973.5 | 2976.9 | 2981.9 | 2985.3 | 2995.3 | 3003.6 | 3013.8 | 3027.2 | 3035.5 | 3043.9 |
| 17.5° | 2918.4 | 2921.6 | 2926.7 | 2926.7 | 2933.4 | 2950.1 | 2955.2 | 2970.2 | 2985.3 | 2993.6 | 3010.4 |
| 20°   | 2858.1 | 2861.3 | 2866.4 | 2869.8 | 2878.1 | 2891.5 | 2901.6 | 2915.0 | 2931.8 | 2946.8 | 2963.5 |
| 22.5° | 2811.2 | 2804.5 | 2807.8 | 2811.2 | 2819.6 | 2831.3 | 2843.0 | 2859.6 | 2876.4 | 2891.5 | 2908.2 |
| 25°   | 2720.7 | 2722.4 | 2727.5 | 2730.8 | 2740.8 | 2750.8 | 2764.2 | 2784.4 | 2799.5 | 2816.2 | 2834.5 |
| 27.5° | 2598.5 | 2600.2 | 2608.5 | 2608.5 | 2617.0 | 2633.6 | 2642.1 | 2658.8 | 2678.8 | 2695.6 | 2717.4 |
| 30°   | 2459.6 | 2462.8 | 2462.8 | 2469.6 | 2474.5 | 2483.0 | 2491.3 | 2508.1 | 2518.2 | 2533.3 | 2563.4 |
| 32.5° | 2332.4 | 2335.6 | 2333.9 | 2332.4 | 2327.3 | 2325.6 | 2323.9 | 2327.3 | 2330.7 | 2335.6 | 2347.3 |
| 35°   | 2257.0 | 2248.5 | 2241.9 | 2230.2 | 2216.8 | 2200.0 | 2185.0 | 2164.8 | 2146.5 | 2131.4 | 2114.7 |
| 37.5° | 2185.0 | 2183.3 | 2173.3 | 2156.5 | 2129.7 | 2099.6 | 2064.5 | 2020.8 | 1977.3 | 1930.5 | 1885.3 |
| 40°   | 2084.5 | 2079.5 | 2071.1 | 2047.7 | 2017.6 | 1980.7 | 1933.9 | 1880.2 | 1809.9 | 1737.9 | 1664.2 |
| 42.5° | 1913.7 | 1915.4 | 1905.3 | 1887.0 | 1858.5 | 1823.3 | 1774.8 | 1716.2 | 1640.8 | 1555.4 | 1460.0 |
| 45°   | 1714.5 | 1714.5 | 1711.1 | 1696.0 | 1676.0 | 1647.6 | 1610.7 | 1562.2 | 1488.5 | 1401.4 | 1299.3 |
| 47.5° | 1506.8 | 1508.5 | 1503.6 | 1500.2 | 1491.8 | 1473.4 | 1446.6 | 1409.7 | 1357.9 | 1274.2 | 1172.0 |
| 50°   | 1295.9 | 1295.9 | 1304.3 | 1302.6 | 1302.6 | 1295.9 | 1284.2 | 1262.4 | 1217.2 | 1150.2 | 1054.8 |
| 52.5° | 1085.0 | 1088.3 | 1093.4 | 1100.0 | 1108.4 | 1121.7 | 1108.4 | 1098.3 | 1069.9 | 1018.0 | 935.9  |
| 55°   | 867.3  | 870.6  | 879.0  | 890.7  | 900.8  | 914.2  | 917.6  | 917.6  | 902.5  | 867.3  | 805.4  |
| 57.5° | 681.4  | 676.5  | 683.1  | 693.2  | 706.6  | 720.0  | 730.0  | 741.7  | 740.0  | 716.6  | 666.3  |
| 60°   | 512.3  | 514.0  | 519.0  | 529.1  | 539.1  | 550.8  | 564.3  | 574.3  | 579.4  | 567.6  | 535.7  |
| 62.5° | 373.4  | 373.4  | 380.0  | 390.0  | 395.1  | 411.9  | 420.3  | 425.2  | 430.3  | 428.6  | 408.5  |
| 65°   | 261.2  | 264.5  | 267.9  | 272.9  | 277.9  | 288.0  | 293.0  | 303.1  | 306.4  | 308.0  | 293.0  |
| 67.5° | 184.2  | 179.1  | 182.5  | 185.8  | 190.9  | 197.5  | 207.7  | 207.7  | 212.6  | 212.6  | 202.6  |
| 70°   | 117.2  | 117.2  | 118.9  | 123.9  | 127.2  | 128.9  | 132.3  | 135.6  | 140.6  | 138.9  | 138.9  |
| 72.5° | 78.8   | 77.1   | 78.8   | 80.3   | 82.0   | 87.1   | 87.1   | 88.8   | 92.1   | 93.8   | 87.1   |
| 75°   | 40.2   | 41.8   | 45.2   | 43.5   | 48.6   | 45.2   | 46.9   | 51.9   | 50.2   | 46.9   | 46.9   |
| 77.5° | 33.5   | 33.5   | 33.5   | 31.8   | 35.1   | 35.1   | 33.5   | 36.8   | 35.1   | 35.1   | 33.5   |
| 80°   | 23.4   | 25.1   | 23.4   | 21.7   | 23.4   | 21.7   | 21.7   | 21.7   | 21.7   | 21.7   | 20.0   |
| 82.5° | 18.4   | 15.1   | 16.8   | 15.1   | 16.8   | 16.8   | 15.1   | 13.4   | 13.4   | 15.1   | 13.4   |
| 85°   | 13.4   | 10.0   | 11.7   | 11.7   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 8.3    | 8.3    |
| 87.5° | 8.3    | 5.1    | 5.1    | 5.1    | 6.6    | 6.6    | 6.6    | 5.1    | 6.6    | 6.6    | 3.4    |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 |
| 2.5°  | 3124.2 | 3122.5 | 3125.9 | 3124.2 | 3124.2 | 3122.5 | 3124.2 | 3122.5 | 3125.9 | 3119.2 | 3120.9 |
| 5°    | 3124.2 | 3120.9 | 3122.5 | 3124.2 | 3125.9 | 3122.5 | 3122.5 | 3122.5 | 3125.9 | 3122.5 | 3124.2 |
| 7.5°  | 3117.5 | 3115.9 | 3120.9 | 3124.2 | 3122.5 | 3120.9 | 3124.2 | 3122.5 | 3125.9 | 3124.2 | 3127.6 |
| 10°   | 3104.1 | 3105.8 | 3109.2 | 3114.2 | 3115.9 | 3117.5 | 3120.9 | 3120.9 | 3125.9 | 3119.2 | 3122.5 |
| 12.5° | 3084.1 | 3090.7 | 3099.2 | 3102.4 | 3109.2 | 3109.2 | 3112.5 | 3114.2 | 3117.5 | 3115.9 | 3120.9 |
| 15°   | 3059.0 | 3067.3 | 3077.3 | 3085.8 | 3094.1 | 3099.2 | 3104.1 | 3105.8 | 3110.8 | 3105.8 | 3107.5 |
| 17.5° | 3028.8 | 3038.8 | 3053.9 | 3063.9 | 3077.3 | 3082.4 | 3089.0 | 3092.4 | 3097.5 | 3094.1 | 3095.8 |
| 20°   | 2987.0 | 2998.7 | 3015.5 | 3030.5 | 3038.8 | 3050.5 | 3059.0 | 3063.9 | 3067.3 | 3063.9 | 3065.6 |
| 22.5° | 2928.4 | 2945.1 | 2966.8 | 2978.5 | 2995.3 | 3005.3 | 3007.0 | 3018.8 | 3027.2 | 3018.8 | 3022.1 |
| 25°   | 2859.6 | 2876.4 | 2893.2 | 2918.4 | 2933.4 | 2945.1 | 2956.8 | 2958.5 | 2966.8 | 2965.2 | 2963.5 |
| 27.5° | 2745.9 | 2767.6 | 2796.1 | 2816.2 | 2836.2 | 2854.7 | 2868.1 | 2871.5 | 2879.8 | 2876.4 | 2878.1 |
| 30°   | 2590.1 | 2613.6 | 2640.4 | 2672.2 | 2700.7 | 2719.0 | 2735.8 | 2747.5 | 2755.9 | 2750.8 | 2749.2 |
| 32.5° | 2369.1 | 2392.5 | 2421.0 | 2452.8 | 2486.4 | 2513.1 | 2533.3 | 2548.4 | 2558.4 | 2555.0 | 2546.7 |
| 35°   | 2116.4 | 2123.0 | 2141.4 | 2166.5 | 2195.0 | 2223.5 | 2241.9 | 2258.7 | 2270.4 | 2273.7 | 2273.7 |
| 37.5° | 1856.8 | 1835.1 | 1821.7 | 1821.7 | 1838.4 | 1850.1 | 1866.8 | 1876.8 | 1895.3 | 1902.0 | 1907.0 |
| 40°   | 1605.6 | 1555.4 | 1508.5 | 1473.4 | 1450.0 | 1448.3 | 1448.3 | 1453.3 | 1470.0 | 1491.8 | 1511.9 |
| 42.5° | 1381.3 | 1301.0 | 1229.0 | 1163.6 | 1116.8 | 1090.0 | 1078.3 | 1079.9 | 1093.4 | 1113.4 | 1146.9 |
| 45°   | 1202.2 | 1101.7 | 1011.3 | 932.6  | 869.0  | 827.1  | 807.0  | 805.4  | 815.4  | 838.8  | 875.7  |
| 47.5° | 1063.2 | 956.0  | 853.9  | 763.4  | 694.8  | 649.6  | 626.2  | 619.5  | 626.2  | 647.9  | 691.5  |
| 50°   | 947.7  | 837.2  | 731.7  | 637.9  | 564.3  | 517.4  | 495.6  | 487.2  | 495.6  | 514.0  | 557.6  |
| 52.5° | 840.5  | 726.6  | 627.9  | 537.4  | 458.8  | 418.6  | 395.1  | 390.0  | 395.1  | 416.9  | 452.0  |
| 55°   | 716.6  | 619.5  | 522.3  | 432.0  | 363.4  | 323.1  | 304.8  | 299.7  | 304.8  | 324.8  | 361.7  |
| 57.5° | 594.4  | 510.6  | 425.2  | 343.2  | 284.6  | 249.4  | 232.8  | 226.0  | 237.7  | 251.1  | 294.6  |
| 60°   | 480.5  | 413.6  | 341.6  | 269.6  | 221.1  | 189.2  | 175.8  | 174.2  | 177.5  | 194.2  | 224.3  |
| 62.5° | 376.8  | 321.5  | 264.5  | 206.0  | 165.7  | 152.3  | 135.6  | 134.0  | 137.2  | 147.4  | 170.8  |
| 65°   | 271.2  | 236.1  | 192.6  | 150.6  | 118.9  | 100.5  | 93.8   | 95.4   | 98.8   | 105.5  | 127.2  |
| 67.5° | 189.2  | 164.0  | 134.0  | 105.5  | 82.0   | 73.7   | 66.9   | 65.2   | 66.9   | 78.8   | 90.4   |
| 70°   | 127.2  | 112.2  | 90.4   | 80.3   | 56.9   | 45.2   | 46.9   | 41.8   | 48.6   | 48.6   | 58.6   |
| 72.5° | 83.7   | 73.7   | 60.3   | 46.9   | 40.2   | 31.8   | 31.8   | 30.2   | 33.5   | 35.1   | 43.5   |
| 75°   | 43.5   | 33.5   | 33.5   | 23.4   | 16.8   | 8.3    | 15.1   | 13.4   | 11.7   | 13.4   | 16.8   |
| 77.5° | 30.2   | 25.1   | 23.4   | 18.4   | 16.8   | 13.4   | 13.4   | 13.4   | 13.4   | 15.1   | 16.8   |
| 80°   | 18.4   | 18.4   | 13.4   | 11.7   | 10.0   | 8.3    | 10.0   | 10.0   | 10.0   | 10.0   | 11.7   |
| 82.5° | 11.7   | 10.0   | 10.0   | 8.3    | 8.3    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 10.0   |
| 85°   | 10.0   | 6.6    | 6.6    | 5.1    | 6.6    | 11.7   | 5.1    | 6.6    | 6.6    | 6.6    | 5.1    |
| 87.5° | 3.4    | 5.1    | 5.1    | 5.1    | 3.4    | 1.7    | 3.4    | 5.1    | 5.1    | 8.3    | 6.6    |
| 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°    | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 | 3119.2 |
| 2.5°  | 3124.2 | 3125.9 | 3125.9 | 3124.2 | 3124.2 | 3120.9 | 3127.6 | 3122.5 | 3124.2 | 3131.0 | 3125.9 |
| 5°    | 3127.6 | 3129.3 | 3129.3 | 3127.6 | 3127.6 | 3127.6 | 3129.3 | 3129.3 | 3127.6 | 3125.9 | 3129.3 |
| 7.5°  | 3134.2 | 3132.6 | 3132.6 | 3129.3 | 3129.3 | 3125.9 | 3129.3 | 3124.2 | 3127.6 | 3124.2 | 3129.3 |
| 10°   | 3125.9 | 3127.6 | 3125.9 | 3124.2 | 3124.2 | 3122.5 | 3122.5 | 3117.5 | 3119.2 | 3114.2 | 3117.5 |
| 12.5° | 3120.9 | 3119.2 | 3119.2 | 3115.9 | 3112.5 | 3109.2 | 3107.5 | 3102.4 | 3102.4 | 3090.7 | 3095.8 |
| 15°   | 3107.5 | 3109.2 | 3104.1 | 3097.5 | 3094.1 | 3085.8 | 3082.4 | 3075.6 | 3069.0 | 3060.7 | 3062.4 |
| 17.5° | 3095.8 | 3090.7 | 3084.1 | 3077.3 | 3063.9 | 3057.3 | 3050.5 | 3040.5 | 3037.2 | 3027.2 | 3023.8 |
| 20°   | 3060.7 | 3057.3 | 3049.0 | 3037.2 | 3028.8 | 3013.8 | 3007.0 | 2997.0 | 2988.6 | 2978.5 | 2973.5 |
| 22.5° | 3015.5 | 3012.1 | 3002.1 | 2990.2 | 2976.9 | 2970.2 | 2963.5 | 2945.1 | 2936.7 | 2926.7 | 2925.0 |
| 25°   | 2958.5 | 2953.5 | 2943.5 | 2930.1 | 2923.3 | 2905.0 | 2898.2 | 2884.8 | 2881.5 | 2871.5 | 2869.8 |
| 27.5° | 2871.5 | 2864.7 | 2853.0 | 2836.2 | 2824.5 | 2812.8 | 2806.2 | 2796.1 | 2792.7 | 2782.7 | 2781.0 |
| 30°   | 2740.8 | 2732.4 | 2709.0 | 2702.4 | 2682.2 | 2670.5 | 2670.5 | 2657.1 | 2658.8 | 2652.1 | 2652.1 |
| 32.5° | 2534.8 | 2521.5 | 2503.1 | 2489.6 | 2476.2 | 2469.6 | 2469.6 | 2464.5 | 2467.9 | 2467.9 | 2471.3 |
| 35°   | 2261.9 | 2243.6 | 2233.5 | 2225.1 | 2225.1 | 2231.8 | 2251.9 | 2257.0 | 2267.0 | 2275.4 | 2282.1 |
| 37.5° | 1912.0 | 1910.4 | 1922.1 | 1932.2 | 1957.3 | 1985.7 | 2020.8 | 2051.0 | 2079.5 | 2099.6 | 2119.6 |
| 40°   | 1533.7 | 1575.6 | 1609.0 | 1655.9 | 1694.4 | 1749.6 | 1813.3 | 1865.1 | 1913.7 | 1949.0 | 1985.7 |
| 42.5° | 1197.1 | 1250.7 | 1321.1 | 1389.7 | 1458.3 | 1533.7 | 1617.4 | 1689.4 | 1753.0 | 1801.6 | 1840.0 |
| 45°   | 932.6  | 1006.2 | 1091.7 | 1178.7 | 1267.4 | 1361.2 | 1448.3 | 1521.9 | 1589.0 | 1639.1 | 1677.7 |
| 47.5° | 751.7  | 832.2  | 929.2  | 1024.6 | 1125.1 | 1223.9 | 1321.1 | 1384.6 | 1439.9 | 1480.0 | 1515.3 |
| 50°   | 621.1  | 706.6  | 808.6  | 917.6  | 1018.0 | 1116.8 | 1200.5 | 1262.4 | 1307.6 | 1342.8 | 1364.5 |
| 52.5° | 519.0  | 609.4  | 718.3  | 827.1  | 927.6  | 1018.0 | 1093.4 | 1140.2 | 1177.1 | 1202.2 | 1222.2 |
| 55°   | 428.6  | 515.7  | 617.8  | 720.0  | 818.8  | 904.2  | 966.0  | 1001.2 | 1029.7 | 1044.8 | 1056.5 |
| 57.5° | 350.0  | 430.3  | 524.0  | 617.8  | 703.2  | 773.6  | 822.0  | 857.2  | 870.6  | 882.3  | 880.6  |
| 60°   | 274.6  | 350.0  | 435.4  | 515.7  | 589.4  | 646.3  | 681.4  | 701.6  | 711.6  | 716.6  | 713.2  |
| 62.5° | 216.0  | 284.6  | 350.0  | 420.3  | 473.8  | 522.3  | 555.9  | 555.9  | 560.9  | 562.6  | 567.6  |
| 65°   | 160.8  | 212.6  | 269.6  | 321.5  | 365.0  | 396.8  | 415.2  | 420.3  | 426.9  | 425.2  | 421.9  |
| 67.5° | 118.9  | 157.4  | 199.2  | 237.7  | 267.9  | 288.0  | 301.4  | 313.1  | 311.4  | 308.0  | 306.4  |
| 70°   | 82.0   | 107.2  | 144.0  | 167.4  | 189.2  | 209.2  | 212.6  | 214.3  | 216.0  | 217.7  | 214.3  |
| 72.5° | 56.9   | 75.4   | 95.4   | 115.5  | 128.9  | 137.2  | 145.7  | 147.4  | 147.4  | 147.4  | 145.7  |
| 75°   | 28.5   | 38.5   | 56.9   | 65.2   | 77.1   | 80.3   | 87.1   | 87.1   | 92.1   | 85.4   | 83.7   |
| 77.5° | 25.1   | 30.2   | 40.2   | 46.9   | 51.9   | 56.9   | 58.6   | 63.7   | 62.0   | 58.6   | 60.3   |
| 80°   | 15.1   | 18.4   | 25.1   | 28.5   | 35.1   | 36.8   | 38.5   | 40.2   | 38.5   | 40.2   | 40.2   |
| 82.5° | 11.7   | 13.4   | 16.8   | 16.8   | 21.7   | 21.7   | 23.4   | 23.4   | 25.1   | 25.1   | 25.1   |
| 85°   | 6.6    | 11.7   | 10.0   | 20.0   | 13.4   | 13.4   | 16.8   | 20.0   | 16.8   | 16.8   | 20.0   |
| 87.5° | 6.6    | 6.6    | 5.1    | 6.6    | 6.6    | 6.6    | 8.3    | 10.0   | 10.0   | 11.7   | 10.0   |
| 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: P249605

CATALOG NUMBER: LSR8B70D010 EC8B70927 8LBDW0MW

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 3119.2 | 3119.2 | 3119.2 | 3119.2 |
| 2.5°  | 3124.2 | 3127.6 | 3122.5 | 3120.9 |
| 5°    | 3129.3 | 3129.3 | 3125.9 | 3125.9 |
| 7.5°  | 3129.3 | 3129.3 | 3124.2 | 3120.9 |
| 10°   | 3115.9 | 3115.9 | 3110.8 | 3107.5 |
| 12.5° | 3090.7 | 3090.7 | 3089.0 | 3084.1 |
| 15°   | 3059.0 | 3059.0 | 3052.2 | 3047.3 |
| 17.5° | 3015.5 | 3018.8 | 3010.4 | 3010.4 |
| 20°   | 2968.5 | 2966.8 | 2960.2 | 2956.8 |
| 22.5° | 2920.0 | 2916.7 | 2915.0 | 2905.0 |
| 25°   | 2868.1 | 2864.7 | 2859.6 | 2854.7 |
| 27.5° | 2779.3 | 2777.6 | 2772.7 | 2765.9 |
| 30°   | 2643.8 | 2642.1 | 2635.3 | 2635.3 |
| 32.5° | 2467.9 | 2466.2 | 2459.6 | 2461.3 |
| 35°   | 2285.4 | 2292.1 | 2288.8 | 2282.1 |
| 37.5° | 2133.0 | 2138.1 | 2141.4 | 2138.1 |
| 40°   | 2005.8 | 2020.8 | 2022.5 | 2025.9 |
| 42.5° | 1870.2 | 1890.2 | 1897.0 | 1900.4 |
| 45°   | 1707.8 | 1726.2 | 1741.3 | 1737.9 |
| 47.5° | 1542.0 | 1555.4 | 1568.8 | 1558.8 |
| 50°   | 1383.0 | 1391.3 | 1396.4 | 1396.4 |
| 52.5° | 1232.3 | 1232.3 | 1230.6 | 1232.3 |
| 55°   | 1059.9 | 1059.9 | 1053.1 | 1056.5 |
| 57.5° | 879.0  | 882.3  | 877.3  | 869.0  |
| 60°   | 711.6  | 703.2  | 699.9  | 694.8  |
| 62.5° | 554.2  | 554.2  | 542.5  | 557.6  |
| 65°   | 415.2  | 410.2  | 405.2  | 403.5  |
| 67.5° | 301.4  | 299.7  | 294.6  | 293.0  |
| 70°   | 212.6  | 206.0  | 204.3  | 200.9  |
| 72.5° | 142.3  | 142.3  | 138.9  | 138.9  |
| 75°   | 87.1   | 78.8   | 77.1   | 78.8   |
| 77.5° | 60.3   | 58.6   | 58.6   | 56.9   |
| 80°   | 40.2   | 38.5   | 41.8   | 36.8   |
| 82.5° | 25.1   | 26.8   | 25.1   | 26.8   |
| 85°   | 16.8   | 20.0   | 18.4   | 18.4   |
| 87.5° | 10.0   | 10.0   | 10.0   | 10.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)