

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: P685070

Luminaire Tested: **LX6C50D010 EX6509030 6LCSWLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P685070  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C50D010 EX6509030 6LCSWLI  
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LCSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

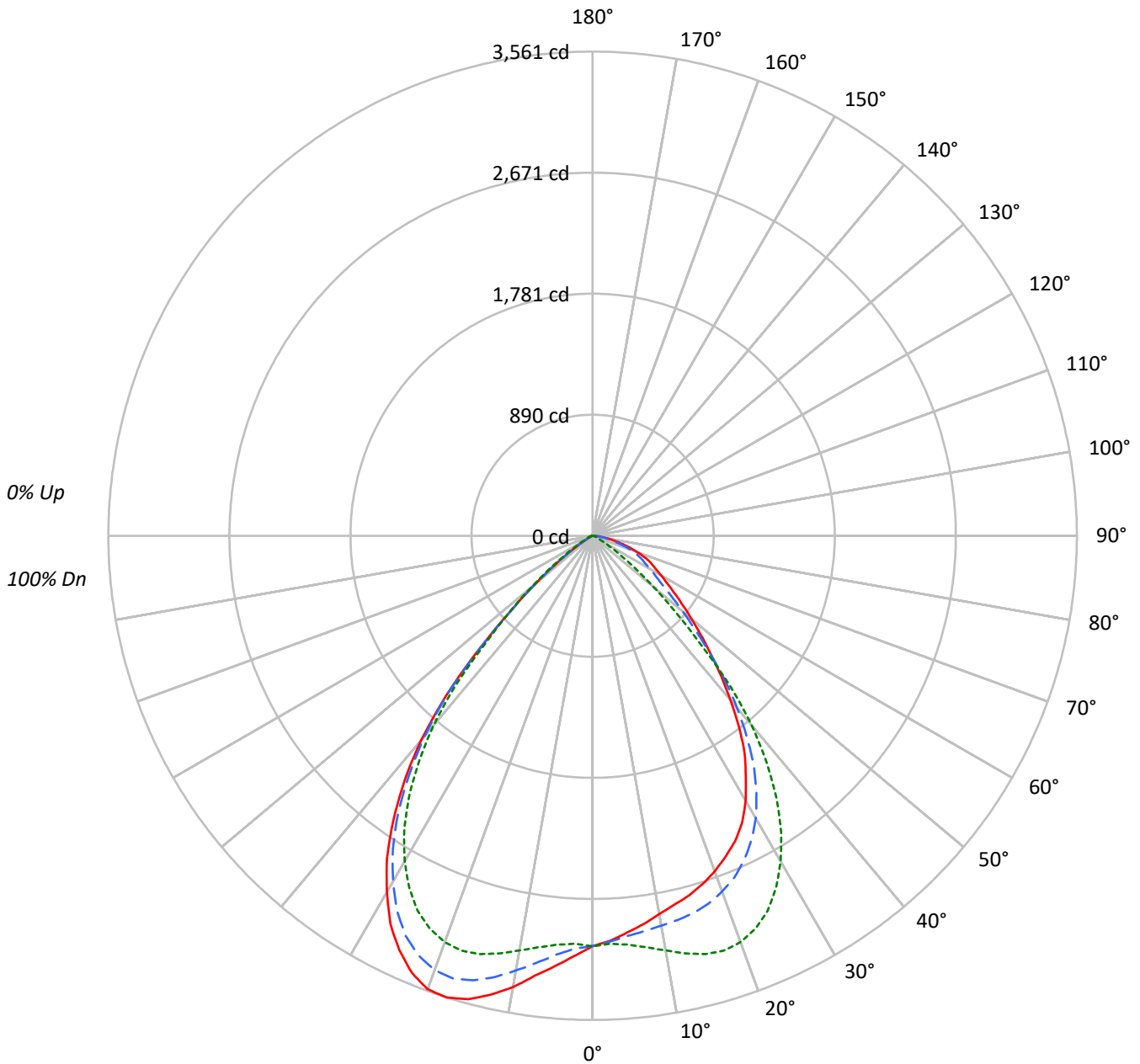
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5517.0 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 58.4  
Input Voltage (V):  
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





TEST NUMBER: P685070

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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  | 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 | 103 | 109 | 106 | 103 | 101 | 102 | 100 | 98  | 98  | 96  | 95  | 95  | 93  | 92  | 90  |    |    |    |  |  |  |  |   |
| 2   | 105 | 98  | 93  | 89  | 102 | 97  | 92  | 88  | 93  | 89  | 86  | 90  | 87  | 84  | 87  | 85  | 82  | 80  |    |    |    |  |  |  |  |   |
| 3   | 98  | 89  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 78  | 75  | 80  | 77  | 74  | 72  |    |    |    |  |  |  |  |   |
| 4   | 91  | 82  | 75  | 69  | 89  | 80  | 74  | 69  | 78  | 72  | 68  | 76  | 71  | 67  | 74  | 70  | 66  | 65  |    |    |    |  |  |  |  |   |
| 5   | 85  | 75  | 67  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |    |    |    |  |  |  |  |   |
| 6   | 80  | 69  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 53  |    |    |    |  |  |  |  |   |
| 7   | 74  | 63  | 56  | 51  | 73  | 62  | 55  | 50  | 61  | 55  | 50  | 60  | 54  | 50  | 58  | 53  | 50  | 48  |    |    |    |  |  |  |  |   |
| 8   | 70  | 58  | 51  | 46  | 69  | 58  | 51  | 46  | 57  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 45  | 44  |    |    |    |  |  |  |  |   |
| 9   | 66  | 54  | 47  | 42  | 64  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 42  | 40  |    |    |    |  |  |  |  |   |
| 10  | 62  | 50  | 43  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 38  | 37  |    |    |    |  |  |  |  |   |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 165458 | 165458 | 165458 |
| 5°  | 161171 | 166090 | 174823 |
| 10° | 157250 | 172347 | 187611 |
| 15° | 155410 | 180796 | 200279 |
| 20° | 153185 | 185504 | 207049 |
| 25° | 149930 | 184136 | 203334 |
| 30° | 142471 | 174989 | 191422 |
| 35° | 130346 | 157764 | 170895 |
| 40° | 112747 | 130294 | 140206 |
| 45° | 95080  | 85458  | 91715  |
| 50° | 80722  | 49465  | 46514  |
| 55° | 70048  | 23712  | 17921  |
| 60° | 63273  | 11074  | 4419   |
| 65° | 61381  | 6356   | 1492   |
| 70° | 55041  | 5097   | 1394   |
| 75° | 45221  | 3685   | 614    |
| 80° | 33685  | 1799   | 0      |
| 85° | 29059  | 0      | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 291.5  | 5.3       |
| 10°-20°   | 888.5  | 16.1      |
| 20°-30°   | 1357.5 | 24.6      |
| 30°-40°   | 1419.9 | 25.7      |
| 40°-50°   | 921.1  | 16.7      |
| 50°-60°   | 365.7  | 6.6       |
| 60°-70°   | 173.5  | 3.1       |
| 70°-80°   | 82.5   | 1.5       |
| 80°-90°   | 16.8   | 0.3       |
| 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°    | 2537.6 | 46.0      |
| 0°-40°    | 3957.4 | 71.7      |
| 0°-60°    | 5244.2 | 95.1      |
| 0°-90°    | 5517.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5517.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3018 | 3018 | 3018 | 3018 | 3018 |      |
| 5°  | 2929 | 2955 | 3018 | 3093 | 3177 | 277  |
| 15° | 2738 | 2871 | 3186 | 3385 | 3529 | 772  |
| 25° | 2479 | 2634 | 3044 | 3249 | 3362 | 1135 |
| 35° | 1948 | 2066 | 2357 | 2496 | 2554 | 1205 |
| 45° | 1226 | 1215 | 1102 | 1169 | 1183 | 954  |
| 55° | 733  | 623  | 248  | 193  | 188  | 664  |
| 65° | 473  | 392  | 49   | 12   | 12   | 462  |
| 75° | 214  | 173  | 17   | 6    | 3    | 230  |
| 85° | 46   | 29   | 0    | 0    | 0    | 54   |
| 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°    | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 |
| 2.5°  | 2980.7 | 2986.5 | 2954.8 | 2946.1 | 2969.2 | 2977.8 | 2980.7 | 2972.0 | 2975.0 | 2986.5 | 2986.5 |
| 5°    | 2928.8 | 2934.5 | 2905.7 | 2897.0 | 2920.1 | 2925.9 | 2934.5 | 2931.7 | 2940.4 | 2957.6 | 2954.8 |
| 7.5°  | 2879.7 | 2888.4 | 2856.6 | 2845.2 | 2874.0 | 2888.4 | 2894.2 | 2894.2 | 2905.7 | 2928.8 | 2931.7 |
| 10°   | 2824.9 | 2836.5 | 2807.6 | 2801.8 | 2833.5 | 2848.0 | 2850.9 | 2856.6 | 2874.0 | 2905.7 | 2911.4 |
| 12.5° | 2778.8 | 2790.3 | 2770.1 | 2761.4 | 2796.0 | 2810.4 | 2816.2 | 2827.8 | 2848.0 | 2888.4 | 2894.2 |
| 15°   | 2738.3 | 2747.0 | 2723.9 | 2718.2 | 2752.8 | 2770.1 | 2772.9 | 2790.3 | 2816.2 | 2862.4 | 2871.1 |
| 17.5° | 2686.4 | 2692.1 | 2674.9 | 2669.1 | 2703.7 | 2721.0 | 2723.9 | 2744.1 | 2775.9 | 2822.1 | 2836.5 |
| 20°   | 2625.8 | 2631.6 | 2614.3 | 2608.5 | 2643.1 | 2663.3 | 2666.2 | 2683.6 | 2721.0 | 2770.1 | 2784.5 |
| 22.5° | 2553.6 | 2565.2 | 2545.1 | 2539.2 | 2573.9 | 2591.2 | 2599.8 | 2614.3 | 2651.8 | 2700.8 | 2721.0 |
| 25°   | 2478.7 | 2478.7 | 2464.3 | 2461.3 | 2493.1 | 2513.3 | 2510.4 | 2530.5 | 2568.1 | 2617.2 | 2634.4 |
| 27.5° | 2380.5 | 2377.6 | 2363.2 | 2360.4 | 2395.0 | 2412.3 | 2406.5 | 2426.7 | 2461.3 | 2510.4 | 2527.7 |
| 30°   | 2250.7 | 2256.5 | 2236.3 | 2230.4 | 2259.4 | 2288.2 | 2285.3 | 2305.5 | 2340.1 | 2386.3 | 2397.9 |
| 32.5° | 2094.9 | 2100.6 | 2097.8 | 2089.1 | 2115.0 | 2129.5 | 2138.1 | 2152.6 | 2181.4 | 2230.4 | 2242.0 |
| 35°   | 1947.7 | 1939.0 | 1927.5 | 1927.5 | 1953.5 | 1976.6 | 1967.9 | 1985.2 | 2014.1 | 2063.1 | 2066.0 |
| 37.5° | 1765.9 | 1763.0 | 1757.3 | 1751.5 | 1780.4 | 1786.1 | 1789.0 | 1800.5 | 1826.6 | 1866.9 | 1861.2 |
| 40°   | 1575.5 | 1578.3 | 1575.5 | 1563.9 | 1581.2 | 1604.3 | 1601.4 | 1607.3 | 1630.3 | 1659.1 | 1650.5 |
| 42.5° | 1396.5 | 1396.5 | 1396.5 | 1385.1 | 1405.2 | 1416.8 | 1422.6 | 1419.6 | 1425.4 | 1451.4 | 1439.8 |
| 45°   | 1226.4 | 1229.2 | 1226.4 | 1223.5 | 1226.4 | 1232.1 | 1226.4 | 1223.5 | 1223.5 | 1232.1 | 1214.8 |
| 47.5° | 1079.2 | 1079.2 | 1070.5 | 1061.9 | 1070.5 | 1073.4 | 1064.8 | 1056.1 | 1053.2 | 1050.4 | 1021.5 |
| 50°   | 946.5  | 943.5  | 940.7  | 926.3  | 934.9  | 937.8  | 926.3  | 920.4  | 908.9  | 894.5  | 859.9  |
| 52.5° | 831.1  | 828.1  | 825.2  | 810.8  | 816.7  | 819.5  | 808.0  | 796.4  | 781.9  | 770.4  | 727.2  |
| 55°   | 732.9  | 730.0  | 730.0  | 721.4  | 715.6  | 721.4  | 709.8  | 701.1  | 681.0  | 666.6  | 623.3  |
| 57.5° | 649.2  | 649.2  | 643.5  | 634.8  | 637.7  | 637.7  | 626.2  | 614.6  | 597.2  | 580.0  | 545.4  |
| 60°   | 577.1  | 577.1  | 577.1  | 568.4  | 568.4  | 568.4  | 562.7  | 551.2  | 536.7  | 519.4  | 484.8  |
| 62.5° | 519.4  | 519.4  | 516.5  | 507.9  | 510.7  | 510.7  | 505.0  | 493.5  | 479.0  | 467.4  | 432.8  |
| 65°   | 473.2  | 473.2  | 473.2  | 464.6  | 464.6  | 467.4  | 461.7  | 450.2  | 438.6  | 424.2  | 392.4  |
| 67.5° | 415.5  | 412.7  | 412.7  | 406.8  | 409.7  | 412.7  | 406.8  | 398.2  | 383.8  | 375.1  | 346.3  |
| 70°   | 343.4  | 346.3  | 349.1  | 340.5  | 343.4  | 343.4  | 340.5  | 331.9  | 323.2  | 314.5  | 288.6  |
| 72.5° | 279.9  | 279.9  | 277.0  | 274.2  | 274.2  | 277.0  | 271.2  | 262.6  | 256.8  | 251.1  | 230.8  |
| 75°   | 213.5  | 210.6  | 213.5  | 207.8  | 207.8  | 207.8  | 201.9  | 199.1  | 196.2  | 187.5  | 173.1  |
| 77.5° | 155.8  | 152.9  | 152.9  | 147.2  | 150.1  | 150.1  | 147.2  | 141.4  | 135.6  | 132.7  | 121.1  |
| 80°   | 106.7  | 106.7  | 106.7  | 103.9  | 103.9  | 101.0  | 101.0  | 98.1   | 92.3   | 89.5   | 83.7   |
| 82.5° | 72.1   | 72.1   | 72.1   | 69.3   | 69.3   | 69.3   | 66.4   | 63.4   | 60.6   | 57.7   | 51.9   |
| 85°   | 46.2   | 46.2   | 46.2   | 43.3   | 43.3   | 43.3   | 40.3   | 40.3   | 37.5   | 34.6   | 28.8   |
| 87.5° | 25.9   | 25.9   | 25.9   | 23.1   | 23.1   | 23.1   | 23.1   | 23.1   | 20.2   | 17.4   | 14.4   |
| 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°    | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 |
| 2.5°  | 3006.6 | 2966.3 | 2992.2 | 2992.2 | 2983.6 | 3006.6 | 3021.2 | 3032.7 | 3029.7 | 3003.8 | 3000.9 |
| 5°    | 2983.6 | 2948.9 | 2977.8 | 2980.7 | 2972.0 | 3003.8 | 3024.0 | 3038.4 | 3041.3 | 3018.2 | 3021.2 |
| 7.5°  | 2966.3 | 2937.4 | 2975.0 | 2986.5 | 2983.6 | 3012.5 | 3035.6 | 3058.6 | 3070.2 | 3052.8 | 3055.8 |
| 10°   | 2957.6 | 2934.5 | 2975.0 | 2992.2 | 2995.1 | 3026.9 | 3061.5 | 3093.3 | 3107.7 | 3096.1 | 3104.8 |
| 12.5° | 2946.1 | 2931.7 | 2977.8 | 3003.8 | 3015.3 | 3047.1 | 3090.4 | 3127.9 | 3151.0 | 3145.2 | 3162.5 |
| 15°   | 2934.5 | 2923.0 | 2977.8 | 3015.3 | 3029.7 | 3058.6 | 3107.7 | 3162.5 | 3188.5 | 3185.6 | 3208.7 |
| 17.5° | 2905.7 | 2902.8 | 2960.5 | 3000.9 | 3021.2 | 3055.8 | 3101.9 | 3168.2 | 3194.3 | 3200.0 | 3228.9 |
| 20°   | 2859.6 | 2859.6 | 2923.0 | 2966.3 | 2989.4 | 3021.2 | 3078.9 | 3142.3 | 3174.1 | 3179.8 | 3211.6 |
| 22.5° | 2796.0 | 2801.8 | 2862.4 | 2905.7 | 2940.4 | 2963.4 | 3024.0 | 3090.4 | 3119.2 | 3127.9 | 3162.5 |
| 25°   | 2712.4 | 2718.2 | 2775.9 | 2819.1 | 2856.6 | 2882.6 | 2940.4 | 3000.9 | 3035.6 | 3044.2 | 3070.2 |
| 27.5° | 2602.8 | 2614.3 | 2669.1 | 2712.4 | 2744.1 | 2761.4 | 2822.1 | 2885.5 | 2911.4 | 2920.1 | 2946.1 |
| 30°   | 2475.8 | 2478.7 | 2533.5 | 2571.0 | 2602.8 | 2617.2 | 2669.1 | 2735.5 | 2755.7 | 2764.4 | 2801.8 |
| 32.5° | 2319.9 | 2317.1 | 2369.0 | 2403.6 | 2429.6 | 2446.9 | 2501.7 | 2545.1 | 2565.2 | 2579.7 | 2599.8 |
| 35°   | 2132.4 | 2129.5 | 2167.0 | 2207.4 | 2227.6 | 2233.4 | 2288.2 | 2334.3 | 2345.9 | 2357.4 | 2383.5 |
| 37.5° | 1921.8 | 1921.8 | 1953.5 | 1973.7 | 1996.7 | 2005.4 | 2031.4 | 2083.4 | 2103.6 | 2100.6 | 2120.8 |
| 40°   | 1699.6 | 1688.1 | 1711.1 | 1731.3 | 1737.1 | 1739.9 | 1765.9 | 1806.3 | 1820.7 | 1820.7 | 1835.1 |
| 42.5° | 1465.8 | 1448.5 | 1451.4 | 1462.9 | 1468.7 | 1448.5 | 1465.8 | 1491.8 | 1483.1 | 1494.7 | 1497.6 |
| 45°   | 1217.7 | 1191.7 | 1180.2 | 1154.2 | 1160.0 | 1139.7 | 1128.2 | 1134.0 | 1131.2 | 1102.3 | 1108.1 |
| 47.5° | 1015.7 | 969.6  | 949.3  | 911.9  | 903.2  | 880.1  | 865.7  | 839.6  | 816.7  | 816.7  | 802.1  |
| 50°   | 845.5  | 799.3  | 758.8  | 715.6  | 701.1  | 681.0  | 649.2  | 614.6  | 597.2  | 580.0  | 565.6  |
| 52.5° | 709.8  | 660.8  | 611.7  | 565.6  | 545.4  | 519.4  | 476.1  | 441.5  | 409.7  | 392.4  | 375.1  |
| 55°   | 600.2  | 545.4  | 493.5  | 444.3  | 418.4  | 392.4  | 349.1  | 308.8  | 271.2  | 248.1  | 233.7  |
| 57.5° | 516.5  | 464.6  | 409.7  | 357.8  | 334.7  | 305.8  | 259.7  | 216.4  | 181.8  | 155.8  | 141.4  |
| 60°   | 455.9  | 404.0  | 355.0  | 300.1  | 277.0  | 248.1  | 199.1  | 158.7  | 124.1  | 101.0  | 83.7   |
| 62.5° | 404.0  | 357.8  | 305.8  | 256.8  | 233.7  | 204.9  | 158.7  | 118.3  | 86.5   | 63.4   | 49.0   |
| 65°   | 366.5  | 320.3  | 277.0  | 228.0  | 207.8  | 178.9  | 135.6  | 98.1   | 69.3   | 49.0   | 34.6   |
| 67.5° | 323.2  | 282.7  | 239.5  | 199.1  | 178.9  | 155.8  | 115.4  | 83.7   | 57.7   | 40.3   | 28.8   |
| 70°   | 271.2  | 239.5  | 201.9  | 164.5  | 150.1  | 129.8  | 95.2   | 69.3   | 46.2   | 31.8   | 23.1   |
| 72.5° | 216.4  | 190.4  | 161.6  | 132.7  | 121.1  | 101.0  | 77.9   | 54.9   | 34.6   | 23.1   | 17.4   |
| 75°   | 164.5  | 144.2  | 121.1  | 101.0  | 89.5   | 77.9   | 57.7   | 40.3   | 25.9   | 17.4   | 11.5   |
| 77.5° | 112.6  | 103.9  | 86.5   | 69.3   | 63.4   | 54.9   | 37.5   | 25.9   | 17.4   | 11.5   | 5.7    |
| 80°   | 77.9   | 69.3   | 57.7   | 46.2   | 40.3   | 34.6   | 23.1   | 17.4   | 8.7    | 5.7    | 2.9    |
| 82.5° | 49.0   | 40.3   | 34.6   | 28.8   | 25.9   | 20.2   | 14.4   | 8.7    | 5.7    | 2.9    | 2.9    |
| 85°   | 25.9   | 23.1   | 20.2   | 14.4   | 14.4   | 11.5   | 8.7    | 5.7    | 2.9    | 0.0    | 0.0    |
| 87.5° | 14.4   | 11.5   | 8.7    | 5.7    | 5.7    | 2.9    | 2.9    | 2.9    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 |
| 2.5°  | 3035.6 | 3035.6 | 3032.7 | 3067.3 | 3026.9 | 3067.3 | 3047.1 | 3067.3 | 3038.4 | 3035.6 | 3038.4 |
| 5°    | 3058.6 | 3067.3 | 3070.2 | 3101.9 | 3064.4 | 3113.5 | 3096.1 | 3113.5 | 3093.3 | 3099.0 | 3107.7 |
| 7.5°  | 3104.8 | 3119.2 | 3116.4 | 3156.7 | 3119.2 | 3174.1 | 3162.5 | 3188.5 | 3168.2 | 3174.1 | 3185.6 |
| 10°   | 3156.7 | 3174.1 | 3176.9 | 3217.4 | 3182.7 | 3249.0 | 3234.6 | 3263.5 | 3246.2 | 3254.9 | 3269.3 |
| 12.5° | 3217.4 | 3237.5 | 3240.5 | 3286.6 | 3249.0 | 3318.3 | 3309.7 | 3338.5 | 3324.1 | 3332.8 | 3350.1 |
| 15°   | 3263.5 | 3292.3 | 3298.2 | 3344.3 | 3303.9 | 3376.0 | 3370.3 | 3407.8 | 3384.7 | 3399.1 | 3413.6 |
| 17.5° | 3286.6 | 3312.6 | 3324.1 | 3367.4 | 3332.8 | 3404.9 | 3399.1 | 3430.9 | 3413.6 | 3428.0 | 3445.3 |
| 20°   | 3272.1 | 3303.9 | 3312.6 | 3355.9 | 3321.3 | 3393.4 | 3384.7 | 3416.5 | 3399.1 | 3410.6 | 3428.0 |
| 22.5° | 3220.2 | 3252.0 | 3263.5 | 3303.9 | 3272.1 | 3338.5 | 3335.7 | 3364.5 | 3341.4 | 3355.9 | 3370.3 |
| 25°   | 3127.9 | 3162.5 | 3168.2 | 3205.8 | 3171.2 | 3240.5 | 3234.6 | 3266.4 | 3249.0 | 3257.7 | 3277.9 |
| 27.5° | 2995.1 | 3035.6 | 3044.2 | 3075.9 | 3050.0 | 3107.7 | 3107.7 | 3133.6 | 3113.5 | 3113.5 | 3133.6 |
| 30°   | 2836.5 | 2876.8 | 2882.6 | 2908.6 | 2885.5 | 2937.4 | 2940.4 | 2966.3 | 2934.5 | 2951.9 | 2954.8 |
| 32.5° | 2643.1 | 2669.1 | 2686.4 | 2709.5 | 2674.9 | 2741.3 | 2732.6 | 2752.8 | 2735.5 | 2735.5 | 2749.9 |
| 35°   | 2409.4 | 2441.2 | 2449.8 | 2478.7 | 2449.8 | 2501.7 | 2501.7 | 2513.3 | 2495.9 | 2495.9 | 2519.0 |
| 37.5° | 2155.5 | 2178.6 | 2181.4 | 2210.3 | 2187.2 | 2230.4 | 2227.6 | 2236.3 | 2218.9 | 2230.4 | 2230.4 |
| 40°   | 1858.2 | 1875.6 | 1881.3 | 1895.8 | 1892.9 | 1924.6 | 1921.8 | 1927.5 | 1918.9 | 1921.8 | 1927.5 |
| 42.5° | 1512.0 | 1535.0 | 1546.6 | 1558.1 | 1540.9 | 1584.2 | 1575.5 | 1584.2 | 1581.2 | 1584.2 | 1592.8 |
| 45°   | 1113.8 | 1131.2 | 1139.7 | 1142.7 | 1136.9 | 1162.8 | 1183.0 | 1165.8 | 1168.6 | 1162.8 | 1174.4 |
| 47.5° | 805.0  | 808.0  | 802.1  | 819.5  | 805.0  | 816.7  | 822.4  | 825.2  | 808.0  | 805.0  | 816.7  |
| 50°   | 551.2  | 565.6  | 545.4  | 554.0  | 551.2  | 562.7  | 556.9  | 559.8  | 542.5  | 551.2  | 545.4  |
| 52.5° | 366.5  | 363.5  | 357.8  | 360.7  | 355.0  | 355.0  | 355.0  | 360.7  | 349.1  | 343.4  | 337.6  |
| 55°   | 222.2  | 216.4  | 204.9  | 201.9  | 201.9  | 204.9  | 199.1  | 193.4  | 193.4  | 190.4  | 190.4  |
| 57.5° | 129.8  | 121.1  | 115.4  | 112.6  | 106.7  | 103.9  | 101.0  | 101.0  | 95.2   | 95.2   | 95.2   |
| 60°   | 72.1   | 63.4   | 57.7   | 51.9   | 51.9   | 49.0   | 46.2   | 43.3   | 43.3   | 43.3   | 40.3   |
| 62.5° | 37.5   | 31.8   | 25.9   | 23.1   | 23.1   | 20.2   | 17.4   | 17.4   | 17.4   | 17.4   | 14.4   |
| 65°   | 25.9   | 20.2   | 17.4   | 14.4   | 14.4   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   |
| 67.5° | 20.2   | 17.4   | 14.4   | 11.5   | 11.5   | 11.5   | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 70°   | 17.4   | 11.5   | 11.5   | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 72.5° | 11.5   | 11.5   | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 75°   | 8.7    | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    | 5.7    |
| 77.5° | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 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    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 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: P685070

CATALOG NUMBER: LX6C50D010 EX6509030 6LCSWLI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 | 3018.2 |
| 2.5°  | 3064.4 | 3061.5 | 3064.4 | 3070.2 | 3058.6 | 3093.3 | 3075.9 | 3093.3 |
| 5°    | 3130.8 | 3133.6 | 3136.6 | 3145.2 | 3130.8 | 3174.1 | 3151.0 | 3176.9 |
| 7.5°  | 3217.4 | 3220.2 | 3223.1 | 3231.8 | 3223.1 | 3266.4 | 3240.5 | 3263.5 |
| 10°   | 3306.8 | 3312.6 | 3312.6 | 3327.0 | 3318.3 | 3358.7 | 3341.4 | 3370.3 |
| 12.5° | 3390.5 | 3396.2 | 3402.1 | 3410.6 | 3404.9 | 3448.2 | 3433.7 | 3456.8 |
| 15°   | 3456.8 | 3468.3 | 3471.3 | 3482.7 | 3477.0 | 3523.2 | 3505.8 | 3528.9 |
| 17.5° | 3488.6 | 3500.1 | 3500.1 | 3514.5 | 3508.8 | 3557.8 | 3534.7 | 3560.7 |
| 20°   | 3471.3 | 3479.9 | 3482.7 | 3497.3 | 3491.4 | 3540.6 | 3517.5 | 3549.1 |
| 22.5° | 3416.5 | 3419.3 | 3422.2 | 3436.7 | 3433.7 | 3477.0 | 3456.8 | 3477.0 |
| 25°   | 3315.4 | 3324.1 | 3321.3 | 3332.8 | 3332.8 | 3367.4 | 3344.3 | 3361.6 |
| 27.5° | 3171.2 | 3179.8 | 3179.8 | 3194.3 | 3182.7 | 3217.4 | 3194.3 | 3220.2 |
| 30°   | 2995.1 | 3003.8 | 2998.1 | 3009.6 | 2998.1 | 3032.7 | 3015.3 | 3024.0 |
| 32.5° | 2784.5 | 2784.5 | 2787.3 | 2790.3 | 2784.5 | 2816.2 | 2799.0 | 2816.2 |
| 35°   | 2533.5 | 2539.2 | 2542.1 | 2545.1 | 2539.2 | 2562.3 | 2542.1 | 2553.6 |
| 37.5° | 2250.7 | 2265.1 | 2262.2 | 2265.1 | 2256.5 | 2285.3 | 2268.0 | 2273.8 |
| 40°   | 1947.7 | 1947.7 | 1944.8 | 1950.6 | 1942.0 | 1965.1 | 1953.5 | 1959.2 |
| 42.5° | 1595.7 | 1604.3 | 1592.8 | 1607.3 | 1584.2 | 1615.8 | 1604.3 | 1595.7 |
| 45°   | 1197.5 | 1185.9 | 1183.0 | 1185.9 | 1177.3 | 1180.2 | 1188.9 | 1183.0 |
| 47.5° | 816.7  | 816.7  | 810.8  | 802.1  | 813.7  | 816.7  | 805.0  | 805.0  |
| 50°   | 548.2  | 548.2  | 542.5  | 539.6  | 545.4  | 542.5  | 536.7  | 545.4  |
| 52.5° | 349.1  | 337.6  | 337.6  | 343.4  | 337.6  | 331.9  | 340.5  | 334.7  |
| 55°   | 190.4  | 184.7  | 184.7  | 190.4  | 184.7  | 184.7  | 181.8  | 187.5  |
| 57.5° | 92.3   | 95.2   | 92.3   | 92.3   | 92.3   | 92.3   | 89.5   | 92.3   |
| 60°   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   | 40.3   |
| 62.5° | 17.4   | 17.4   | 14.4   | 14.4   | 14.4   | 14.4   | 14.4   | 14.4   |
| 65°   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   |
| 67.5° | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 11.5   | 8.7    | 8.7    |
| 70°   | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    | 8.7    |
| 72.5° | 8.7    | 8.7    | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   | 11.5   |
| 75°   | 5.7    | 5.7    | 5.7    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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    |



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— 0°-180°    - - 45°-225°    - - - - 90°-270°















(END OF REPORT)