

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P252598

Luminaire Tested: **LE\_6B40D010 EC6B30508035 6LBDW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252598  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-8)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B40D010 EC6B30508035 6LBDW1LI  
Description: PORTFOLIO 6 INCH DOUBLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5333.7 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.22 / 1.15  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

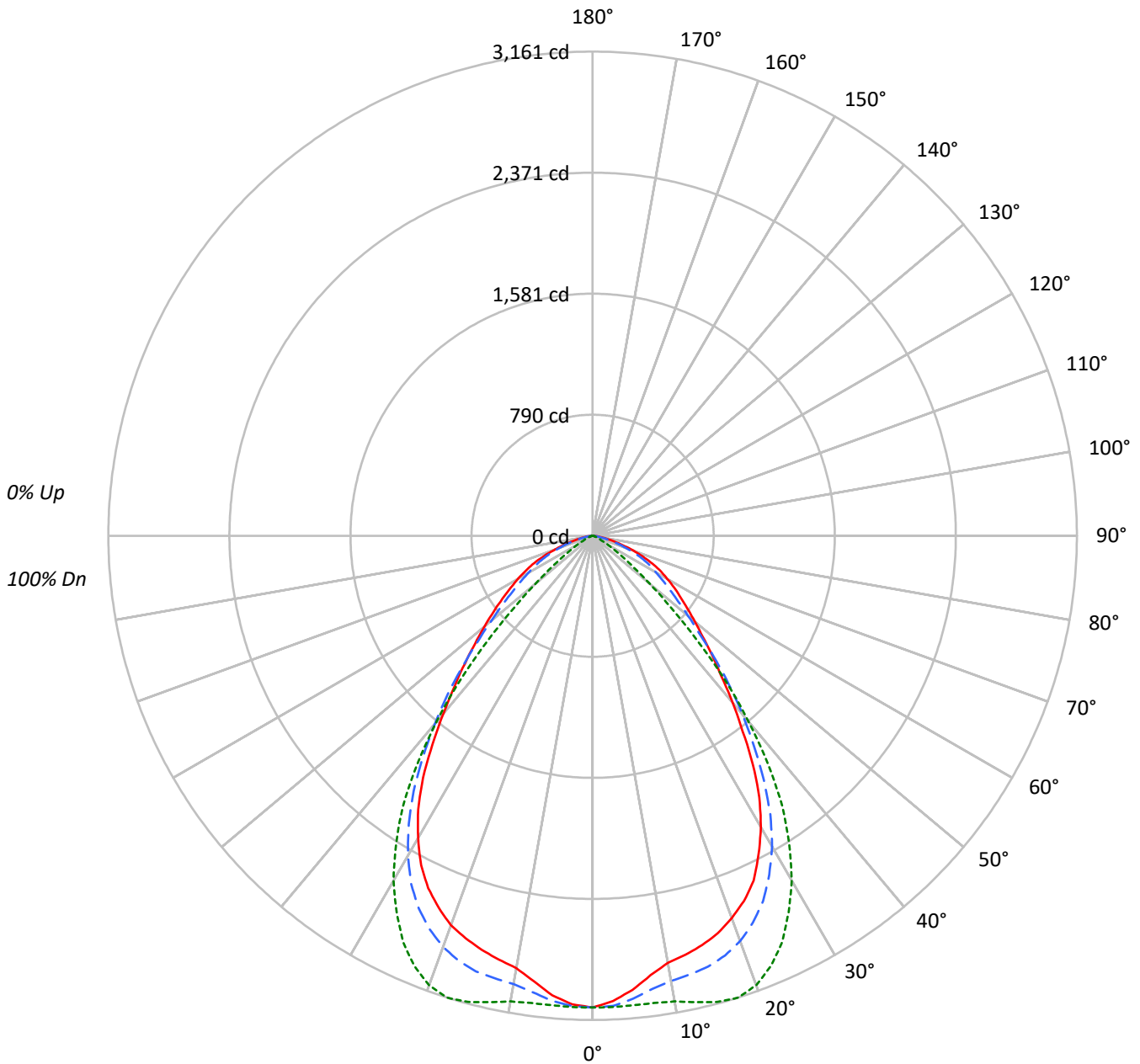
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |   |  |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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   | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 104 | 97  | 92  | 87  | 101 | 95  | 91  | 86  | 92  | 88  | 84  | 89  | 86  | 83  | 86  | 83  | 81  | 79  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 76  | 84  | 79  | 74  | 81  | 77  | 73  | 79  | 75  | 72  | 70  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 90  | 80  | 73  | 67  | 88  | 79  | 72  | 67  | 76  | 70  | 66  | 74  | 69  | 65  | 72  | 68  | 64  | 62  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 84  | 73  | 65  | 60  | 82  | 72  | 65  | 59  | 70  | 64  | 59  | 68  | 63  | 58  | 66  | 62  | 58  | 56  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 78  | 67  | 59  | 54  | 76  | 66  | 59  | 53  | 64  | 58  | 53  | 63  | 57  | 53  | 61  | 56  | 52  | 50  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 73  | 61  | 54  | 49  | 72  | 61  | 53  | 48  | 59  | 53  | 48  | 58  | 52  | 48  | 57  | 51  | 48  | 46  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 69  | 57  | 49  | 44  | 67  | 56  | 49  | 44  | 55  | 48  | 44  | 54  | 48  | 44  | 53  | 47  | 43  | 42  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 38  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 61  | 49  | 42  | 37  | 60  | 48  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°     | 90°    | 180°   |
|-----|--------|--------|--------|
| 0°  | 200909 | 200909 | 200909 |
| 5°  | 194911 | 201440 | 197242 |
| 10° | 187492 | 204472 | 189857 |
| 15° | 186828 | 212798 | 188996 |
| 20° | 184386 | 216760 | 187843 |
| 25° | 178876 | 210657 | 182727 |
| 30° | 165470 | 195784 | 171640 |
| 35° | 145175 | 172111 | 153673 |
| 40° | 120978 | 134919 | 128856 |
| 45° | 101823 | 89016  | 108724 |
| 50° | 88160  | 48779  | 93580  |
| 55° | 79780  | 25922  | 81793  |
| 60° | 73396  | 13466  | 73396  |
| 65° | 66504  | 7132   | 64852  |
| 70° | 53639  | 4082   | 49576  |
| 75° | 36802  | 2672   | 34080  |
| 80° | 24083  | 1315   | 21415  |
| 85° | 16019  | 2620   | 13324  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 287.2  | 5.4       |
| 10°-20°   | 830.3  | 15.6      |
| 20°-30°   | 1226.8 | 23.0      |
| 30°-40°   | 1239.2 | 23.2      |
| 40°-50°   | 854.1  | 16.0      |
| 50°-60°   | 490.5  | 9.2       |
| 60°-70°   | 285.5  | 5.4       |
| 70°-80°   | 104.2  | 2.0       |
| 80°-90°   | 15.9   | 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°    | 2344.3 | 44.0      |
| 0°-40°    | 3583.5 | 67.2      |
| 0°-60°    | 4928.2 | 92.4      |
| 0°-90°    | 5333.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5333.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3080 | 3080 | 3080 | 3080 | 3080 |      |
| 5°  | 2976 | 3033 | 3076 | 3047 | 3012 | 279  |
| 15° | 2766 | 2912 | 3151 | 2944 | 2798 | 779  |
| 25° | 2485 | 2631 | 2926 | 2684 | 2538 | 1132 |
| 35° | 1823 | 1947 | 2161 | 2036 | 1930 | 1131 |
| 45° | 1104 | 1118 | 965  | 1189 | 1178 | 858  |
| 55° | 701  | 616  | 228  | 641  | 719  | 631  |
| 65° | 431  | 363  | 46   | 360  | 420  | 422  |
| 75° | 146  | 118  | 11   | 114  | 135  | 164  |
| 85° | 21   | 11   | 4    | 14   | 18   | 27   |
| 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°    | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 |
| 2.5°  | 3040.2 | 3043.9 | 3047.4 | 3043.9 | 3047.4 | 3061.6 | 3051.0 | 3058.1 | 3058.1 | 3061.6 | 3072.4 |
| 5°    | 2976.2 | 2976.2 | 2983.4 | 2979.8 | 2990.5 | 3004.6 | 2994.0 | 3004.6 | 3008.2 | 3015.4 | 3033.1 |
| 7.5°  | 2894.4 | 2894.4 | 2897.9 | 2897.9 | 2912.1 | 2926.4 | 2919.2 | 2933.5 | 2947.8 | 2962.0 | 2983.4 |
| 10°   | 2830.2 | 2837.4 | 2837.4 | 2840.9 | 2855.1 | 2873.0 | 2869.4 | 2887.2 | 2901.4 | 2922.8 | 2951.2 |
| 12.5° | 2801.8 | 2805.4 | 2805.4 | 2812.4 | 2826.6 | 2844.5 | 2840.9 | 2858.8 | 2880.1 | 2905.0 | 2933.5 |
| 15°   | 2766.1 | 2773.2 | 2769.8 | 2776.9 | 2791.1 | 2808.9 | 2805.4 | 2823.1 | 2848.0 | 2873.0 | 2912.1 |
| 17.5° | 2719.9 | 2723.4 | 2727.0 | 2727.0 | 2741.2 | 2755.5 | 2755.5 | 2773.2 | 2801.8 | 2830.2 | 2873.0 |
| 20°   | 2655.8 | 2662.9 | 2662.9 | 2666.5 | 2677.1 | 2698.5 | 2695.0 | 2712.8 | 2741.2 | 2769.8 | 2816.0 |
| 22.5° | 2581.0 | 2584.6 | 2584.6 | 2588.1 | 2606.0 | 2616.6 | 2620.2 | 2634.4 | 2659.4 | 2691.4 | 2734.1 |
| 25°   | 2484.9 | 2488.5 | 2484.9 | 2495.6 | 2502.8 | 2524.1 | 2517.0 | 2534.8 | 2563.2 | 2588.1 | 2630.9 |
| 27.5° | 2346.1 | 2353.2 | 2353.2 | 2356.8 | 2374.5 | 2392.4 | 2392.4 | 2410.1 | 2435.1 | 2452.9 | 2495.6 |
| 30°   | 2196.5 | 2207.2 | 2196.5 | 2214.4 | 2221.5 | 2235.8 | 2246.4 | 2257.1 | 2278.4 | 2303.4 | 2342.5 |
| 32.5° | 2025.6 | 2022.1 | 2025.6 | 2032.8 | 2054.1 | 2064.9 | 2072.0 | 2082.6 | 2104.0 | 2125.4 | 2157.4 |
| 35°   | 1822.8 | 1829.9 | 1833.4 | 1847.6 | 1847.6 | 1865.5 | 1869.0 | 1876.1 | 1908.1 | 1922.4 | 1947.4 |
| 37.5° | 1609.1 | 1616.2 | 1619.9 | 1627.0 | 1641.1 | 1648.2 | 1659.0 | 1669.6 | 1691.0 | 1716.0 | 1730.1 |
| 40°   | 1420.5 | 1420.5 | 1424.0 | 1431.1 | 1441.9 | 1445.4 | 1456.0 | 1470.2 | 1484.5 | 1505.9 | 1520.1 |
| 42.5° | 1242.5 | 1246.0 | 1242.5 | 1249.6 | 1260.2 | 1274.5 | 1270.9 | 1288.8 | 1292.2 | 1306.5 | 1317.2 |
| 45°   | 1103.6 | 1103.6 | 1096.5 | 1103.6 | 1103.6 | 1117.9 | 1114.2 | 1121.4 | 1117.9 | 1125.0 | 1117.9 |
| 47.5° | 971.9  | 975.5  | 971.9  | 975.5  | 975.5  | 975.5  | 979.0  | 971.9  | 975.5  | 964.8  | 943.4  |
| 50°   | 868.6  | 872.2  | 865.1  | 868.6  | 865.1  | 861.5  | 865.1  | 854.4  | 850.9  | 836.6  | 815.2  |
| 52.5° | 779.6  | 776.1  | 772.5  | 772.5  | 772.5  | 769.0  | 765.4  | 754.8  | 744.0  | 729.8  | 704.9  |
| 55°   | 701.4  | 697.8  | 694.2  | 694.2  | 687.1  | 683.5  | 683.5  | 672.9  | 662.1  | 644.4  | 615.9  |
| 57.5° | 630.1  | 626.6  | 623.0  | 623.0  | 619.5  | 612.4  | 612.4  | 601.6  | 587.4  | 566.0  | 541.1  |
| 60°   | 562.5  | 562.5  | 562.5  | 558.9  | 558.9  | 551.8  | 551.8  | 541.1  | 526.9  | 505.5  | 477.0  |
| 62.5° | 502.0  | 498.4  | 498.4  | 498.4  | 498.4  | 494.9  | 491.2  | 484.1  | 469.9  | 448.6  | 423.6  |
| 65°   | 430.8  | 430.8  | 430.8  | 430.8  | 427.2  | 427.2  | 427.2  | 416.5  | 409.4  | 388.0  | 363.1  |
| 67.5° | 352.5  | 352.5  | 352.5  | 352.5  | 348.9  | 352.5  | 352.5  | 345.4  | 338.2  | 316.9  | 295.5  |
| 70°   | 281.2  | 277.6  | 274.1  | 277.6  | 274.1  | 274.1  | 277.6  | 270.6  | 267.0  | 249.2  | 227.9  |
| 72.5° | 206.5  | 210.0  | 206.5  | 206.5  | 206.5  | 202.9  | 206.5  | 202.9  | 195.8  | 181.5  | 167.4  |
| 75°   | 146.0  | 149.5  | 149.5  | 146.0  | 146.0  | 146.0  | 142.4  | 142.4  | 135.2  | 124.6  | 117.5  |
| 77.5° | 99.6   | 99.6   | 99.6   | 99.6   | 96.1   | 96.1   | 96.1   | 92.5   | 89.0   | 81.9   | 74.8   |
| 80°   | 64.1   | 64.1   | 64.1   | 64.1   | 60.5   | 60.5   | 60.5   | 57.0   | 57.0   | 49.9   | 42.8   |
| 82.5° | 39.1   | 39.1   | 39.1   | 39.1   | 39.1   | 39.1   | 35.6   | 35.6   | 32.0   | 28.5   | 24.9   |
| 85°   | 21.4   | 21.4   | 21.4   | 21.4   | 21.4   | 21.4   | 21.4   | 17.8   | 17.8   | 14.2   | 10.6   |
| 87.5° | 7.1    | 7.1    | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 7.1    | 7.1    | 7.1    |
| 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°    | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 |
| 2.5°  | 3065.2 | 3068.8 | 3068.8 | 3068.8 | 3079.5 | 3083.0 | 3072.4 | 3061.6 | 3083.0 | 3079.5 | 3086.5 |
| 5°    | 3029.6 | 3040.2 | 3047.4 | 3051.0 | 3061.6 | 3068.8 | 3058.1 | 3054.5 | 3072.4 | 3075.9 | 3079.5 |
| 7.5°  | 2986.9 | 3004.6 | 3022.5 | 3029.6 | 3043.9 | 3051.0 | 3047.4 | 3047.4 | 3068.8 | 3075.9 | 3075.9 |
| 10°   | 2958.4 | 2983.4 | 3004.6 | 3022.5 | 3040.2 | 3051.0 | 3051.0 | 3054.5 | 3079.5 | 3086.5 | 3093.6 |
| 12.5° | 2951.2 | 2983.4 | 3011.8 | 3036.8 | 3051.0 | 3068.8 | 3072.4 | 3083.0 | 3107.9 | 3118.6 | 3118.6 |
| 15°   | 2933.5 | 2976.2 | 3011.8 | 3043.9 | 3065.2 | 3086.5 | 3093.6 | 3115.0 | 3143.5 | 3150.6 | 3157.8 |
| 17.5° | 2901.4 | 2944.1 | 2986.9 | 3026.0 | 3054.5 | 3072.4 | 3093.6 | 3115.0 | 3150.6 | 3161.4 | 3164.9 |
| 20°   | 2844.5 | 2894.4 | 2937.0 | 2976.2 | 3004.6 | 3029.6 | 3051.0 | 3075.9 | 3107.9 | 3122.1 | 3125.8 |
| 22.5° | 2759.0 | 2808.9 | 2851.6 | 2894.4 | 2922.8 | 2944.1 | 2965.5 | 2994.0 | 3026.0 | 3040.2 | 3040.2 |
| 25°   | 2655.8 | 2702.1 | 2748.4 | 2780.4 | 2808.9 | 2833.8 | 2844.5 | 2876.5 | 2908.5 | 2926.4 | 2926.4 |
| 27.5° | 2524.1 | 2566.8 | 2609.5 | 2645.1 | 2662.9 | 2684.2 | 2702.1 | 2730.5 | 2755.5 | 2769.8 | 2784.0 |
| 30°   | 2356.8 | 2399.5 | 2438.6 | 2474.2 | 2495.6 | 2517.0 | 2534.8 | 2556.1 | 2581.0 | 2598.9 | 2602.4 |
| 32.5° | 2175.2 | 2210.8 | 2250.0 | 2285.5 | 2306.9 | 2314.0 | 2331.9 | 2353.2 | 2374.5 | 2388.8 | 2392.4 |
| 35°   | 1975.9 | 2000.8 | 2025.6 | 2057.8 | 2079.1 | 2079.1 | 2096.9 | 2111.1 | 2128.9 | 2161.0 | 2153.9 |
| 37.5° | 1740.9 | 1776.5 | 1794.2 | 1805.0 | 1819.1 | 1833.4 | 1837.0 | 1854.8 | 1876.1 | 1883.2 | 1894.0 |
| 40°   | 1520.1 | 1530.9 | 1541.5 | 1541.5 | 1555.8 | 1555.8 | 1555.8 | 1559.2 | 1580.6 | 1584.2 | 1598.5 |
| 42.5° | 1299.4 | 1299.4 | 1288.8 | 1278.0 | 1281.6 | 1278.0 | 1260.2 | 1260.2 | 1270.9 | 1285.1 | 1285.1 |
| 45°   | 1092.9 | 1068.0 | 1036.0 | 1011.0 | 993.2  | 986.1  | 964.8  | 964.8  | 961.2  | 964.8  | 979.0  |
| 47.5° | 918.5  | 875.8  | 822.4  | 772.5  | 754.8  | 740.5  | 708.5  | 694.2  | 687.1  | 690.6  | 697.8  |
| 50°   | 772.5  | 726.2  | 665.8  | 605.2  | 573.1  | 555.4  | 516.2  | 491.2  | 487.8  | 480.6  | 494.9  |
| 52.5° | 665.8  | 608.8  | 544.6  | 473.5  | 441.5  | 413.0  | 370.2  | 348.9  | 334.6  | 334.6  | 338.2  |
| 55°   | 573.1  | 512.6  | 441.5  | 370.2  | 338.2  | 316.9  | 274.1  | 245.6  | 231.4  | 227.9  | 238.5  |
| 57.5° | 494.9  | 437.9  | 366.6  | 295.5  | 263.5  | 238.5  | 195.8  | 170.9  | 160.2  | 153.1  | 156.6  |
| 60°   | 434.4  | 377.4  | 306.1  | 238.5  | 210.0  | 181.5  | 146.0  | 117.5  | 103.2  | 103.2  | 106.8  |
| 62.5° | 377.4  | 324.0  | 259.9  | 195.8  | 170.9  | 146.0  | 106.8  | 81.9   | 71.2   | 67.6   | 71.2   |
| 65°   | 320.4  | 270.6  | 217.1  | 163.8  | 138.9  | 117.5  | 85.5   | 64.1   | 49.9   | 46.2   | 49.9   |
| 67.5° | 259.9  | 220.8  | 174.5  | 131.8  | 110.4  | 92.5   | 64.1   | 46.2   | 35.6   | 32.0   | 35.6   |
| 70°   | 202.9  | 167.4  | 131.8  | 96.1   | 81.9   | 67.6   | 46.2   | 35.6   | 24.9   | 21.4   | 24.9   |
| 72.5° | 146.0  | 121.0  | 92.5   | 67.6   | 57.0   | 46.2   | 32.0   | 24.9   | 17.8   | 14.2   | 17.8   |
| 75°   | 99.6   | 81.9   | 60.5   | 42.8   | 35.6   | 32.0   | 21.4   | 14.2   | 10.6   | 10.6   | 10.6   |
| 77.5° | 64.1   | 49.9   | 39.1   | 28.5   | 21.4   | 17.8   | 10.6   | 7.1    | 7.1    | 7.1    | 7.1    |
| 80°   | 35.6   | 28.5   | 21.4   | 14.2   | 10.6   | 10.6   | 7.1    | 7.1    | 3.5    | 3.5    | 3.5    |
| 82.5° | 21.4   | 14.2   | 10.6   | 7.1    | 7.1    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 85°   | 10.6   | 7.1    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 87.5° | 3.5    | 3.5    | 3.5    | 3.5    | 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: P252598

CATALOG NUMBER: LE\_6B40D010 EC6B30508035 6LBDW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 |
| 2.5°  | 3072.4 | 3075.9 | 3065.2 | 3079.5 | 3068.8 | 3083.0 | 3083.0 | 3068.8 | 3072.4 | 3065.2 | 3079.5 |
| 5°    | 3065.2 | 3065.2 | 3058.1 | 3068.8 | 3054.5 | 3068.8 | 3065.2 | 3040.2 | 3047.4 | 3033.1 | 3047.4 |
| 7.5°  | 3065.2 | 3058.1 | 3047.4 | 3058.1 | 3040.2 | 3051.0 | 3036.8 | 3011.8 | 3004.6 | 2986.9 | 2986.9 |
| 10°   | 3075.9 | 3065.2 | 3051.0 | 3054.5 | 3036.8 | 3040.2 | 3018.9 | 2983.4 | 2972.6 | 2951.2 | 2944.1 |
| 12.5° | 3100.8 | 3090.1 | 3068.8 | 3075.9 | 3051.0 | 3051.0 | 3022.5 | 2979.8 | 2958.4 | 2929.9 | 2922.8 |
| 15°   | 3136.4 | 3118.6 | 3093.6 | 3097.2 | 3072.4 | 3058.1 | 3022.5 | 2972.6 | 2944.1 | 2905.0 | 2894.4 |
| 17.5° | 3143.5 | 3125.8 | 3093.6 | 3093.6 | 3061.6 | 3043.9 | 3001.1 | 2944.1 | 2908.5 | 2869.4 | 2848.0 |
| 20°   | 3104.4 | 3086.5 | 3051.0 | 3047.4 | 3018.9 | 2994.0 | 2947.8 | 2890.8 | 2855.1 | 2812.4 | 2794.6 |
| 22.5° | 3022.5 | 3001.1 | 2969.1 | 2965.5 | 2937.0 | 2922.8 | 2873.0 | 2816.0 | 2780.4 | 2737.6 | 2723.4 |
| 25°   | 2901.4 | 2890.8 | 2858.8 | 2855.1 | 2830.2 | 2812.4 | 2769.8 | 2716.4 | 2684.2 | 2641.5 | 2627.4 |
| 27.5° | 2759.0 | 2748.4 | 2716.4 | 2716.4 | 2687.9 | 2677.1 | 2638.0 | 2588.1 | 2563.2 | 2524.1 | 2506.2 |
| 30°   | 2588.1 | 2573.9 | 2556.1 | 2552.5 | 2527.6 | 2517.0 | 2481.4 | 2435.1 | 2410.1 | 2378.1 | 2371.0 |
| 32.5° | 2385.2 | 2374.5 | 2363.9 | 2360.2 | 2335.4 | 2324.8 | 2299.8 | 2253.5 | 2232.1 | 2203.6 | 2193.0 |
| 35°   | 2150.2 | 2143.1 | 2132.5 | 2128.9 | 2118.2 | 2107.5 | 2082.6 | 2047.0 | 2036.4 | 2015.0 | 2004.2 |
| 37.5° | 1879.8 | 1886.9 | 1879.8 | 1879.8 | 1869.0 | 1872.6 | 1851.2 | 1829.9 | 1819.1 | 1805.0 | 1797.9 |
| 40°   | 1587.8 | 1602.0 | 1612.8 | 1612.8 | 1609.1 | 1623.4 | 1619.9 | 1602.0 | 1598.5 | 1591.4 | 1587.8 |
| 42.5° | 1292.2 | 1299.4 | 1320.8 | 1335.0 | 1331.5 | 1367.0 | 1370.6 | 1384.9 | 1395.5 | 1388.4 | 1392.0 |
| 45°   | 982.6  | 1003.9 | 1032.4 | 1046.6 | 1064.5 | 1110.8 | 1135.6 | 1164.1 | 1189.0 | 1203.2 | 1199.8 |
| 47.5° | 708.5  | 733.4  | 765.4  | 786.8  | 818.8  | 875.8  | 939.9  | 975.5  | 1011.0 | 1028.9 | 1046.6 |
| 50°   | 512.6  | 537.6  | 576.8  | 608.8  | 630.1  | 708.5  | 776.1  | 822.4  | 861.5  | 886.5  | 904.2  |
| 52.5° | 359.6  | 388.0  | 430.8  | 459.2  | 491.2  | 566.0  | 644.4  | 697.8  | 740.5  | 772.5  | 790.4  |
| 55°   | 249.2  | 281.2  | 320.4  | 348.9  | 384.5  | 462.8  | 537.6  | 594.5  | 640.8  | 669.2  | 690.6  |
| 57.5° | 174.5  | 202.9  | 242.1  | 267.0  | 302.6  | 377.4  | 452.1  | 509.1  | 555.4  | 583.9  | 608.8  |
| 60°   | 117.5  | 146.0  | 185.1  | 210.0  | 238.5  | 313.2  | 380.9  | 441.5  | 484.1  | 512.6  | 537.6  |
| 62.5° | 81.9   | 106.8  | 146.0  | 170.9  | 195.8  | 259.9  | 324.0  | 377.4  | 420.1  | 452.1  | 473.5  |
| 65°   | 64.1   | 85.5   | 117.5  | 138.9  | 163.8  | 217.1  | 270.6  | 316.9  | 359.6  | 391.6  | 405.9  |
| 67.5° | 46.2   | 67.6   | 92.5   | 110.4  | 128.1  | 174.5  | 220.8  | 256.4  | 295.5  | 320.4  | 338.2  |
| 70°   | 32.0   | 46.2   | 67.6   | 81.9   | 96.1   | 131.8  | 167.4  | 199.4  | 227.9  | 245.6  | 259.9  |
| 72.5° | 24.9   | 32.0   | 46.2   | 57.0   | 67.6   | 92.5   | 121.0  | 146.0  | 167.4  | 181.5  | 195.8  |
| 75°   | 14.2   | 21.4   | 32.0   | 39.1   | 46.2   | 64.1   | 81.9   | 99.6   | 113.9  | 124.6  | 131.8  |
| 77.5° | 7.1    | 10.6   | 17.8   | 21.4   | 28.5   | 39.1   | 53.4   | 64.1   | 74.8   | 81.9   | 89.0   |
| 80°   | 7.1    | 7.1    | 10.6   | 10.6   | 14.2   | 21.4   | 28.5   | 35.6   | 42.8   | 49.9   | 53.4   |
| 82.5° | 3.5    | 3.5    | 7.1    | 7.1    | 7.1    | 10.6   | 14.2   | 21.4   | 24.9   | 28.5   | 32.0   |
| 85°   | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 7.1    | 7.1    | 10.6   | 14.2   | 17.8   | 17.8   |
| 87.5° | 0.0    | 0.0    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 7.1    | 7.1    | 7.1    | 10.6   |
| 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: P252598

CATALOG NUMBER: LE\_6B40D010 EC6B30508035 6LBDW1LI

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 | 3079.5 |
| 2.5°  | 3068.8 | 3075.9 | 3072.4 | 3079.5 | 3068.8 | 3065.2 | 3072.4 | 3061.6 |
| 5°    | 3029.6 | 3033.1 | 3029.6 | 3029.6 | 3022.5 | 3015.4 | 3022.5 | 3011.8 |
| 7.5°  | 2969.1 | 2969.1 | 2958.4 | 2958.4 | 2944.1 | 2937.0 | 2937.0 | 2933.5 |
| 10°   | 2919.2 | 2908.5 | 2897.9 | 2901.4 | 2880.1 | 2873.0 | 2869.4 | 2865.9 |
| 12.5° | 2894.4 | 2887.2 | 2869.4 | 2869.4 | 2848.0 | 2840.9 | 2837.4 | 2833.8 |
| 15°   | 2865.9 | 2851.6 | 2837.4 | 2833.8 | 2816.0 | 2808.9 | 2805.4 | 2798.2 |
| 17.5° | 2816.0 | 2805.4 | 2787.5 | 2787.5 | 2769.8 | 2766.1 | 2759.0 | 2755.5 |
| 20°   | 2762.6 | 2748.4 | 2734.1 | 2734.1 | 2712.8 | 2712.8 | 2702.1 | 2705.6 |
| 22.5° | 2687.9 | 2677.1 | 2662.9 | 2662.9 | 2645.1 | 2641.5 | 2630.9 | 2627.4 |
| 25°   | 2598.9 | 2584.6 | 2573.9 | 2570.4 | 2556.1 | 2549.0 | 2545.4 | 2538.4 |
| 27.5° | 2481.4 | 2470.6 | 2460.0 | 2452.9 | 2435.1 | 2431.5 | 2420.9 | 2424.4 |
| 30°   | 2335.4 | 2328.2 | 2324.8 | 2317.6 | 2296.2 | 2289.1 | 2289.1 | 2278.4 |
| 32.5° | 2175.2 | 2164.5 | 2157.4 | 2146.8 | 2128.9 | 2125.4 | 2114.6 | 2118.2 |
| 35°   | 1979.4 | 1965.1 | 1954.5 | 1958.0 | 1936.6 | 1933.1 | 1926.0 | 1929.5 |
| 37.5° | 1776.5 | 1762.2 | 1748.0 | 1744.4 | 1726.6 | 1726.6 | 1716.0 | 1716.0 |
| 40°   | 1566.4 | 1552.1 | 1545.0 | 1545.0 | 1523.8 | 1527.2 | 1516.6 | 1513.0 |
| 42.5° | 1377.8 | 1363.5 | 1360.0 | 1356.4 | 1345.8 | 1342.1 | 1331.5 | 1335.0 |
| 45°   | 1199.8 | 1196.1 | 1196.1 | 1189.0 | 1178.4 | 1174.9 | 1178.4 | 1178.4 |
| 47.5° | 1043.1 | 1046.6 | 1043.1 | 1043.1 | 1036.0 | 1043.1 | 1036.0 | 1039.5 |
| 50°   | 911.4  | 918.5  | 918.5  | 918.5  | 914.9  | 918.5  | 918.5  | 922.0  |
| 52.5° | 801.0  | 811.8  | 808.1  | 811.8  | 808.1  | 815.2  | 811.8  | 815.2  |
| 55°   | 704.9  | 712.0  | 715.6  | 719.1  | 719.1  | 719.1  | 719.1  | 719.1  |
| 57.5° | 615.9  | 626.6  | 630.1  | 633.8  | 633.8  | 640.8  | 633.8  | 633.8  |
| 60°   | 544.6  | 555.4  | 558.9  | 562.5  | 562.5  | 566.0  | 558.9  | 562.5  |
| 62.5° | 480.6  | 491.2  | 491.2  | 494.9  | 494.9  | 494.9  | 487.8  | 491.2  |
| 65°   | 416.5  | 420.1  | 423.6  | 423.6  | 420.1  | 420.1  | 416.5  | 420.1  |
| 67.5° | 345.4  | 348.9  | 345.4  | 345.4  | 341.8  | 341.8  | 334.6  | 338.2  |
| 70°   | 267.0  | 267.0  | 270.6  | 267.0  | 263.5  | 267.0  | 263.5  | 259.9  |
| 72.5° | 199.4  | 199.4  | 199.4  | 195.8  | 195.8  | 192.2  | 195.8  | 195.8  |
| 75°   | 135.2  | 135.2  | 138.9  | 138.9  | 138.9  | 138.9  | 135.2  | 135.2  |
| 77.5° | 89.0   | 89.0   | 89.0   | 89.0   | 92.5   | 89.0   | 89.0   | 89.0   |
| 80°   | 57.0   | 57.0   | 60.5   | 60.5   | 57.0   | 57.0   | 57.0   | 57.0   |
| 82.5° | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   | 35.6   |
| 85°   | 21.4   | 21.4   | 21.4   | 21.4   | 17.8   | 17.8   | 17.8   | 17.8   |
| 87.5° | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 10.6   | 7.1    | 7.1    |
| 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)