

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P600971

Luminaire Tested: 8APVTLD-SL3C3 MID POWER 5000K 277V

Issue Date: 1/11/2023

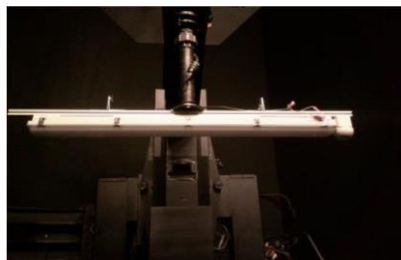
**Test Information**

Test Method: LM-79-2019  
Report Number: P600971  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( NTCLR22090026)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/11/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8APVTLTLD-SL3C3 MID POWER 5000K 277V  
Description: MID POWER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

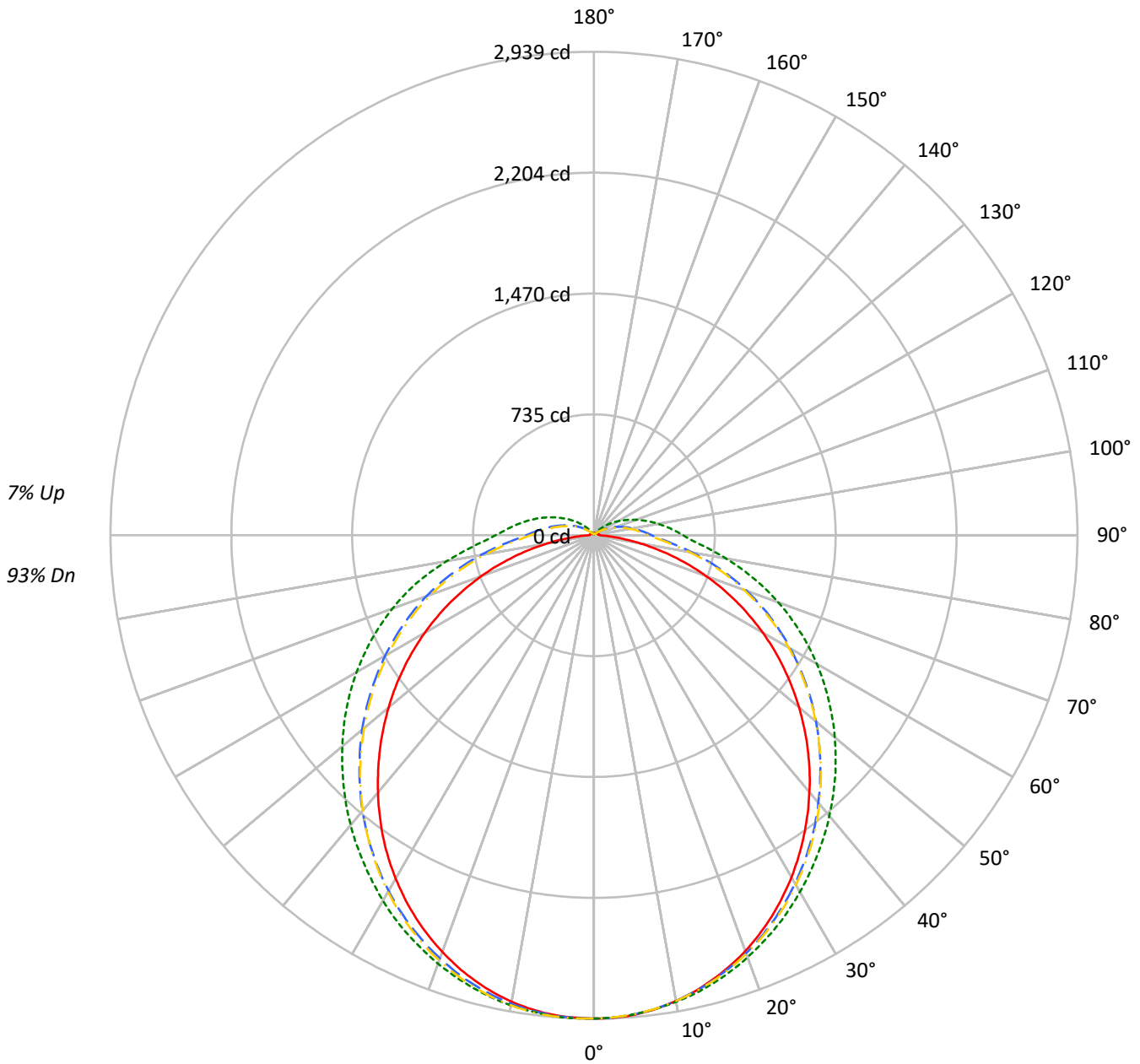
Lumens per Lamp: N/A  
Luminaire Lumens: 9976.9 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 78  
Input Voltage (V): 277  
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: 24 FT



TEST NUMBER: P600971  
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - · - 135°-315°



TEST NUMBER: P600971

CATALOG NUMBER: 8APVTL-D-SL3C3 MID POWER 5000K 277V

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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   | 117 | 117 | 117 | 117 | 114 | 114 | 114 | 114 | 107 | 107 | 107 | 101 | 101 | 101 | 95 | 95 | 95 | 95 | 95 | 95 | 93 |
| 1   | 105 | 100 | 95  | 91  | 102 | 97  | 92  | 88  | 91  | 88  | 84  | 86  | 83  | 80  | 81 | 79 | 77 | 77 | 77 | 77 | 74 |
| 2   | 95  | 86  | 79  | 73  | 92  | 84  | 77  | 71  | 79  | 73  | 68  | 74  | 70  | 66  | 70 | 66 | 63 | 63 | 63 | 63 | 60 |
| 3   | 86  | 75  | 67  | 60  | 83  | 73  | 65  | 59  | 69  | 62  | 57  | 65  | 59  | 55  | 62 | 57 | 53 | 53 | 53 | 53 | 50 |
| 4   | 79  | 66  | 57  | 50  | 76  | 65  | 56  | 49  | 61  | 54  | 48  | 58  | 51  | 46  | 55 | 49 | 45 | 45 | 45 | 45 | 42 |
| 5   | 72  | 59  | 50  | 43  | 70  | 58  | 49  | 42  | 55  | 47  | 41  | 52  | 45  | 40  | 49 | 43 | 39 | 39 | 39 | 39 | 37 |
| 6   | 67  | 53  | 44  | 37  | 64  | 52  | 43  | 37  | 49  | 42  | 36  | 47  | 40  | 35  | 44 | 39 | 34 | 34 | 34 | 34 | 32 |
| 7   | 62  | 48  | 39  | 33  | 60  | 47  | 38  | 32  | 45  | 37  | 32  | 43  | 36  | 31  | 41 | 35 | 30 | 30 | 30 | 30 | 28 |
| 8   | 58  | 44  | 35  | 29  | 56  | 43  | 35  | 29  | 41  | 33  | 28  | 39  | 32  | 28  | 37 | 31 | 27 | 27 | 27 | 27 | 25 |
| 9   | 54  | 40  | 32  | 26  | 52  | 39  | 31  | 26  | 38  | 30  | 25  | 36  | 29  | 25  | 34 | 29 | 24 | 24 | 24 | 24 | 22 |
| 10  | 50  | 37  | 29  | 24  | 49  | 36  | 29  | 23  | 35  | 28  | 23  | 33  | 27  | 22  | 32 | 26 | 22 | 22 | 22 | 22 | 20 |

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

|     | 0°    | 90°   | 180°  | 270°  |
|-----|-------|-------|-------|-------|
| 0°  | 11860 | 11860 | 11860 | 11860 |
| 5°  | 11837 | 11581 | 11840 | 11627 |
| 10° | 11760 | 11307 | 11781 | 11394 |
| 15° | 11649 | 11034 | 11677 | 11152 |
| 20° | 11510 | 10748 | 11534 | 10911 |
| 25° | 11330 | 10474 | 11366 | 10678 |
| 30° | 11123 | 10197 | 11164 | 10447 |
| 35° | 10892 | 9937  | 10937 | 10219 |
| 40° | 10644 | 9698  | 10666 | 10020 |
| 45° | 10383 | 9469  | 10391 | 9833  |
| 50° | 10091 | 9245  | 10111 | 9658  |
| 55° | 9772  | 9029  | 9794  | 9524  |
| 60° | 9405  | 8813  | 9434  | 9387  |
| 65° | 8938  | 8580  | 8968  | 9252  |
| 70° | 8335  | 8338  | 8384  | 9121  |
| 75° | 7494  | 8075  | 7535  | 8967  |
| 80° | 6317  | 7843  | 6378  | 8739  |
| 85° | 4776  | 7809  | 4809  | 8743  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 90°

Luminance: 14338 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 277.9  | 2.8       |
| 10°-20°   | 794.4  | 8.0       |
| 20°-30°   | 1201.4 | 12.0      |
| 30°-40°   | 1451.9 | 14.6      |
| 40°-50°   | 1527.6 | 15.3      |
| 50°-60°   | 1434.8 | 14.4      |
| 60°-70°   | 1196.3 | 12.0      |
| 70°-80°   | 853.2  | 8.6       |
| 80°-90°   | 499.8  | 5.0       |
| 90°-100°  | 311.8  | 3.1       |
| 100°-110° | 204.9  | 2.1       |
| 110°-120° | 120.8  | 1.2       |
| 120°-130° | 61.7   | 0.6       |
| 130°-140° | 24.0   | 0.2       |
| 140°-150° | 7.9    | 0.1       |
| 150°-160° | 4.5    | 0.0       |
| 160°-170° | 2.9    | 0.0       |
| 170°-180° | 1.0    | 0.0       |
| 0°-30°    | 2273.7 | 22.8      |
| 0°-40°    | 3725.6 | 37.3      |
| 0°-60°    | 6688.1 | 67.0      |
| 0°-90°    | 9237.4 | 92.6      |
| 90°-120°  | 637.5  | 6.4       |
| 90°-150°  | 731.1  | 7.3       |
| 90°-180°  | 740.0  | 7.4       |
| 0°-180°   | 9976.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°   | 90°  | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0°   | 2938 | 2938 | 2938 | 2938 | 2938 |      |
| 5°   | 2924 | 2921 | 2925 | 2932 | 2924 | 278  |
| 15°  | 2795 | 2817 | 2802 | 2847 | 2795 | 788  |
| 25°  | 2556 | 2626 | 2564 | 2677 | 2556 | 1177 |
| 35°  | 2226 | 2370 | 2236 | 2437 | 2226 | 1392 |
| 45°  | 1838 | 2073 | 1839 | 2153 | 1838 | 1417 |
| 55°  | 1409 | 1741 | 1412 | 1837 | 1409 | 1259 |
| 65°  | 957  | 1380 | 960  | 1488 | 957  | 946  |
| 75°  | 499  | 1001 | 502  | 1111 | 499  | 529  |
| 85°  | 115  | 650  | 116  | 728  | 115  | 130  |
| 90°  | 37   | 542  | 31   | 598  | 37   | 22   |
| 95°  | 32   | 467  | 26   | 514  | 32   | 25   |
| 105° | 26   | 333  | 23   | 378  | 26   | 28   |
| 115° | 22   | 220  | 20   | 256  | 22   | 22   |
| 125° | 17   | 128  | 16   | 154  | 17   | 15   |
| 135° | 13   | 56   | 11   | 73   | 13   | 10   |
| 145° | 10   | 11   | 9    | 17   | 10   | 7    |
| 155° | 9    | 8    | 9    | 12   | 9    | 4    |
| 165° | 10   | 8    | 12   | 10   | 10   | 3    |
| 175° | 12   | 9    | 14   | 9    | 12   | 1    |
| 180° | 12   | 12   | 12   | 12   | 12   |      |



TEST NUMBER: P600971

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (FULL):**

|     | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°  | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 |
| 1°  | 2938.1 | 2938.1 | 2937.9 | 2937.0 | 2936.4 | 2936.2 | 2936.8 | 2936.6 | 2937.3 | 2938.1 | 2938.1 |
| 2°  | 2937.7 | 2937.2 | 2935.6 | 2934.5 | 2934.5 | 2933.3 | 2934.1 | 2934.5 | 2935.4 | 2937.0 | 2937.0 |
| 3°  | 2934.3 | 2933.5 | 2931.6 | 2930.4 | 2931.2 | 2929.3 | 2931.0 | 2931.8 | 2933.1 | 2934.9 | 2935.2 |
| 4°  | 2929.7 | 2928.9 | 2927.0 | 2925.1 | 2926.8 | 2924.5 | 2925.8 | 2927.2 | 2929.7 | 2930.8 | 2932.7 |
| 5°  | 2923.9 | 2922.2 | 2921.6 | 2919.1 | 2920.7 | 2918.4 | 2920.3 | 2921.2 | 2924.7 | 2926.2 | 2928.7 |
| 6°  | 2916.6 | 2914.7 | 2914.5 | 2912.2 | 2914.5 | 2911.5 | 2913.6 | 2914.3 | 2918.6 | 2919.9 | 2923.2 |
| 7°  | 2908.0 | 2905.7 | 2906.5 | 2904.4 | 2907.6 | 2904.4 | 2905.9 | 2905.9 | 2910.7 | 2912.8 | 2917.0 |
| 8°  | 2897.7 | 2895.4 | 2897.1 | 2895.0 | 2899.4 | 2895.7 | 2896.9 | 2895.9 | 2901.3 | 2904.0 | 2909.7 |
| 9°  | 2886.7 | 2883.9 | 2885.8 | 2886.2 | 2890.0 | 2886.2 | 2886.0 | 2884.8 | 2890.8 | 2894.2 | 2901.1 |
| 10° | 2874.5 | 2871.6 | 2873.7 | 2875.4 | 2880.2 | 2875.6 | 2874.7 | 2873.1 | 2879.5 | 2883.1 | 2891.7 |
| 11° | 2861.2 | 2858.4 | 2860.9 | 2863.3 | 2869.7 | 2864.3 | 2861.8 | 2859.7 | 2866.0 | 2870.8 | 2880.6 |
| 12° | 2846.7 | 2844.2 | 2846.9 | 2851.5 | 2858.4 | 2852.6 | 2849.2 | 2845.7 | 2851.8 | 2857.4 | 2869.1 |
| 13° | 2831.1 | 2829.0 | 2833.1 | 2837.9 | 2846.1 | 2839.4 | 2835.0 | 2830.0 | 2836.3 | 2843.2 | 2855.9 |
| 14° | 2813.5 | 2811.8 | 2817.3 | 2824.1 | 2832.1 | 2824.8 | 2819.6 | 2813.1 | 2820.4 | 2828.5 | 2842.3 |
| 15° | 2795.3 | 2794.9 | 2799.9 | 2810.1 | 2817.2 | 2810.3 | 2804.1 | 2794.1 | 2802.0 | 2811.4 | 2827.3 |
| 16° | 2776.5 | 2776.5 | 2781.7 | 2793.8 | 2801.4 | 2794.3 | 2786.9 | 2774.2 | 2782.5 | 2791.8 | 2811.4 |
| 17° | 2757.0 | 2757.5 | 2763.1 | 2776.9 | 2785.1 | 2777.5 | 2767.9 | 2754.1 | 2762.5 | 2772.7 | 2794.5 |
| 18° | 2735.5 | 2737.4 | 2743.7 | 2758.5 | 2767.7 | 2759.1 | 2747.9 | 2732.6 | 2740.9 | 2752.4 | 2776.1 |
| 19° | 2713.3 | 2715.6 | 2724.4 | 2740.9 | 2749.5 | 2739.1 | 2728.0 | 2710.6 | 2718.4 | 2731.1 | 2756.6 |
| 20° | 2689.7 | 2691.8 | 2703.7 | 2720.7 | 2729.9 | 2720.0 | 2707.5 | 2687.2 | 2695.4 | 2708.8 | 2736.6 |
| 21° | 2664.9 | 2668.6 | 2681.6 | 2701.2 | 2710.0 | 2699.5 | 2685.8 | 2663.4 | 2671.1 | 2685.5 | 2716.7 |
| 22° | 2638.9 | 2643.1 | 2658.2 | 2680.7 | 2690.1 | 2678.6 | 2663.4 | 2639.6 | 2645.8 | 2661.5 | 2695.6 |
| 23° | 2612.2 | 2617.4 | 2634.5 | 2658.0 | 2668.8 | 2657.3 | 2640.4 | 2615.9 | 2619.7 | 2636.8 | 2673.0 |
| 24° | 2584.6 | 2590.4 | 2609.4 | 2635.6 | 2647.9 | 2634.8 | 2616.3 | 2590.0 | 2592.3 | 2610.9 | 2650.4 |
| 25° | 2556.3 | 2563.2 | 2584.2 | 2613.0 | 2625.8 | 2612.2 | 2591.3 | 2563.5 | 2564.3 | 2584.2 | 2626.6 |
| 26° | 2527.1 | 2535.4 | 2557.2 | 2589.2 | 2603.4 | 2588.1 | 2565.8 | 2534.8 | 2534.8 | 2557.4 | 2602.1 |
| 27° | 2496.8 | 2506.0 | 2530.4 | 2564.7 | 2579.1 | 2563.7 | 2540.3 | 2506.8 | 2505.5 | 2529.0 | 2576.6 |
| 28° | 2465.0 | 2475.7 | 2502.4 | 2539.6 | 2554.7 | 2538.4 | 2512.0 | 2476.3 | 2474.0 | 2499.9 | 2550.9 |
| 29° | 2433.6 | 2444.7 | 2474.0 | 2513.5 | 2529.6 | 2512.7 | 2483.8 | 2445.6 | 2442.6 | 2470.0 | 2523.5 |
| 30° | 2400.8 | 2412.9 | 2445.1 | 2486.3 | 2503.5 | 2486.7 | 2455.2 | 2415.0 | 2409.6 | 2438.9 | 2496.3 |
| 31° | 2367.2 | 2380.5 | 2415.2 | 2459.1 | 2478.0 | 2459.6 | 2425.7 | 2382.4 | 2376.6 | 2408.6 | 2467.7 |
| 32° | 2332.9 | 2347.1 | 2385.1 | 2431.7 | 2451.6 | 2431.8 | 2395.2 | 2349.4 | 2342.7 | 2376.8 | 2439.7 |
| 33° | 2298.2 | 2313.4 | 2353.4 | 2403.5 | 2424.8 | 2402.9 | 2364.2 | 2315.5 | 2307.8 | 2343.9 | 2409.2 |
| 34° | 2262.0 | 2279.4 | 2322.6 | 2374.5 | 2397.0 | 2374.5 | 2333.3 | 2281.2 | 2272.4 | 2311.8 | 2379.7 |
| 35° | 2226.5 | 2244.2 | 2290.4 | 2346.2 | 2369.5 | 2346.2 | 2301.3 | 2245.7 | 2235.7 | 2277.9 | 2348.6 |
| 36° | 2189.7 | 2209.1 | 2257.6 | 2316.3 | 2341.7 | 2316.1 | 2268.1 | 2209.9 | 2197.8 | 2243.4 | 2318.2 |
| 37° | 2152.2 | 2172.7 | 2226.2 | 2286.7 | 2314.0 | 2286.7 | 2235.4 | 2173.4 | 2159.3 | 2208.5 | 2286.2 |
| 38° | 2114.6 | 2136.3 | 2191.8 | 2257.8 | 2285.2 | 2257.2 | 2201.4 | 2135.1 | 2120.7 | 2173.1 | 2253.8 |
| 39° | 2075.9 | 2098.9 | 2157.7 | 2228.3 | 2256.8 | 2226.5 | 2166.5 | 2096.6 | 2082.6 | 2136.6 | 2221.6 |
| 40° | 2037.7 | 2060.7 | 2122.3 | 2198.0 | 2226.5 | 2195.5 | 2131.1 | 2058.2 | 2041.9 | 2099.8 | 2187.6 |
| 41° | 1999.8 | 2023.2 | 2087.9 | 2166.0 | 2196.4 | 2165.0 | 2095.4 | 2020.1 | 2002.6 | 2063.6 | 2154.7 |
| 42° | 1959.7 | 1984.6 | 2052.5 | 2134.3 | 2166.3 | 2133.2 | 2059.2 | 1981.4 | 1962.2 | 2025.1 | 2120.7 |
| 43° | 1919.3 | 1946.9 | 2016.2 | 2102.1 | 2135.5 | 2100.8 | 2023.0 | 1941.5 | 1921.2 | 1986.2 | 2085.8 |
| 44° | 1878.5 | 1908.2 | 1981.2 | 2070.1 | 2104.6 | 2068.6 | 1986.2 | 1901.8 | 1880.4 | 1948.0 | 2051.1 |



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CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|     | 0°     | 22.5°  | 45°    | 67.5°  | 90°    | 112.5° | 135°   | 157.5° | 180°   | 202.5° | 225°   |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 1837.8 | 1867.8 | 1944.7 | 2038.5 | 2073.4 | 2036.2 | 1948.8 | 1860.9 | 1839.2 | 1909.0 | 2016.2 |
| 46° | 1796.3 | 1828.4 | 1909.0 | 2005.1 | 2042.1 | 2002.8 | 1911.6 | 1820.8 | 1798.2 | 1869.2 | 1981.4 |
| 47° | 1754.0 | 1787.3 | 1872.7 | 1971.0 | 2008.8 | 1969.1 | 1873.4 | 1780.2 | 1756.4 | 1830.1 | 1945.9 |
| 48° | 1711.8 | 1746.5 | 1836.3 | 1938.0 | 1976.8 | 1935.9 | 1836.0 | 1739.0 | 1714.8 | 1790.9 | 1910.5 |
| 49° | 1669.0 | 1704.9 | 1799.3 | 1904.0 | 1944.4 | 1901.9 | 1797.7 | 1697.0 | 1672.2 | 1750.0 | 1874.2 |
| 50° | 1626.9 | 1663.9 | 1761.8 | 1870.5 | 1910.9 | 1866.7 | 1759.5 | 1654.7 | 1630.1 | 1709.6 | 1839.1 |
| 51° | 1583.2 | 1622.5 | 1724.6 | 1835.4 | 1878.1 | 1832.9 | 1721.1 | 1613.7 | 1587.4 | 1668.4 | 1803.0 |
| 52° | 1540.2 | 1580.0 | 1686.8 | 1801.5 | 1844.2 | 1797.5 | 1681.8 | 1570.8 | 1543.7 | 1626.9 | 1765.7 |
| 53° | 1497.0 | 1538.4 | 1649.2 | 1766.7 | 1809.9 | 1761.9 | 1642.8 | 1528.6 | 1500.4 | 1585.5 | 1729.0 |
| 54° | 1453.1 | 1495.9 | 1611.3 | 1730.5 | 1775.3 | 1726.1 | 1603.7 | 1486.1 | 1456.4 | 1544.6 | 1691.5 |
| 55° | 1409.2 | 1453.5 | 1572.6 | 1695.7 | 1741.1 | 1690.1 | 1564.5 | 1442.9 | 1412.4 | 1502.4 | 1653.8 |
| 56° | 1365.1 | 1411.3 | 1533.9 | 1659.5 | 1705.8 | 1654.4 | 1524.8 | 1400.0 | 1368.2 | 1460.1 | 1616.8 |
| 57° | 1320.8 | 1368.5 | 1495.3 | 1623.1 | 1670.4 | 1617.9 | 1485.6 | 1356.9 | 1323.9 | 1418.5 | 1579.0 |
| 58° | 1276.3 | 1325.2 | 1457.0 | 1585.3 | 1636.5 | 1581.0 | 1446.0 | 1313.7 | 1278.9 | 1375.9 | 1541.3 |
| 59° | 1231.4 | 1282.7 | 1418.5 | 1548.4 | 1600.2 | 1543.7 | 1407.2 | 1269.8 | 1234.3 | 1333.9 | 1502.5 |
| 60° | 1186.0 | 1240.5 | 1379.8 | 1511.0 | 1564.3 | 1506.1 | 1367.5 | 1227.3 | 1189.7 | 1292.0 | 1465.3 |
| 61° | 1139.9 | 1197.1 | 1340.8 | 1472.6 | 1528.7 | 1468.8 | 1327.8 | 1183.0 | 1143.7 | 1249.6 | 1427.8 |
| 62° | 1094.1 | 1154.9 | 1302.0 | 1436.4 | 1491.5 | 1430.9 | 1288.3 | 1139.0 | 1097.6 | 1207.7 | 1389.3 |
| 63° | 1048.4 | 1112.4 | 1263.1 | 1398.3 | 1455.5 | 1393.0 | 1249.4 | 1095.7 | 1051.9 | 1165.8 | 1351.6 |
| 64° | 1003.2 | 1069.6 | 1224.9 | 1362.3 | 1418.2 | 1355.5 | 1209.8 | 1052.9 | 1006.3 | 1122.7 | 1313.8 |
| 65° | 956.7  | 1027.4 | 1186.1 | 1325.9 | 1380.0 | 1316.7 | 1169.7 | 1009.7 | 959.9  | 1080.6 | 1274.8 |
| 66° | 910.4  | 984.4  | 1146.6 | 1287.5 | 1344.2 | 1279.2 | 1130.2 | 966.9  | 913.9  | 1039.3 | 1237.5 |
| 67° | 864.4  | 942.0  | 1106.5 | 1250.4 | 1305.2 | 1241.1 | 1089.9 | 924.3  | 867.8  | 996.7  | 1199.0 |
| 68° | 818.4  | 899.1  | 1066.2 | 1211.6 | 1268.8 | 1202.9 | 1050.4 | 881.6  | 822.2  | 954.4  | 1160.3 |
| 69° | 772.9  | 856.9  | 1027.4 | 1174.0 | 1230.7 | 1164.7 | 1009.9 | 838.8  | 775.7  | 911.9  | 1121.5 |
| 70° | 726.5  | 815.4  | 988.0  | 1134.8 | 1191.7 | 1126.6 | 969.7  | 797.2  | 730.7  | 870.3  | 1083.1 |
| 71° | 680.4  | 773.1  | 949.2  | 1095.5 | 1153.7 | 1087.6 | 930.5  | 754.6  | 683.7  | 828.5  | 1043.8 |
| 72° | 635.2  | 732.2  | 910.2  | 1055.9 | 1116.0 | 1050.0 | 891.7  | 713.3  | 638.7  | 787.3  | 1005.7 |
| 73° | 589.3  | 690.8  | 872.1  | 1016.1 | 1077.5 | 1011.0 | 853.1  | 672.0  | 592.1  | 747.1  | 966.9  |
| 74° | 544.0  | 651.8  | 834.0  | 977.3  | 1039.1 | 972.7  | 814.4  | 630.9  | 547.0  | 706.1  | 928.3  |
| 75° | 499.2  | 611.4  | 795.7  | 938.2  | 1000.9 | 935.4  | 776.2  | 590.4  | 501.9  | 665.9  | 889.8  |
| 76° | 455.5  | 572.2  | 756.9  | 900.4  | 962.4  | 897.7  | 738.1  | 550.4  | 457.6  | 627.0  | 851.2  |
| 77° | 412.0  | 533.0  | 719.2  | 863.7  | 925.6  | 860.7  | 701.1  | 512.4  | 414.6  | 588.8  | 813.1  |
| 78° | 369.2  | 494.7  | 680.8  | 827.0  | 888.1  | 823.3  | 663.1  | 473.7  | 371.8  | 550.9  | 774.8  |
| 79° | 327.7  | 457.8  | 645.0  | 790.8  | 851.3  | 786.7  | 627.1  | 438.0  | 329.8  | 513.0  | 737.1  |
| 80° | 287.8  | 422.5  | 609.1  | 754.7  | 815.8  | 751.4  | 591.9  | 401.4  | 290.6  | 476.2  | 701.9  |
| 81° | 248.5  | 387.7  | 573.9  | 719.4  | 779.3  | 715.3  | 556.3  | 366.3  | 252.4  | 440.1  | 664.9  |
| 82° | 211.2  | 354.6  | 540.3  | 684.8  | 746.4  | 681.6  | 523.6  | 332.6  | 215.2  | 404.8  | 629.8  |
| 83° | 176.2  | 323.4  | 507.4  | 651.8  | 711.6  | 649.0  | 490.2  | 300.3  | 179.4  | 371.1  | 595.9  |
| 84° | 144.5  | 292.6  | 477.0  | 620.2  | 680.6  | 617.9  | 460.7  | 270.1  | 146.6  | 338.2  | 564.1  |
| 85° | 115.4  | 265.3  | 450.2  | 590.1  | 650.4  | 588.6  | 432.2  | 242.2  | 116.2  | 307.7  | 533.0  |
| 86° | 90.6   | 239.9  | 425.2  | 563.9  | 622.8  | 560.8  | 406.0  | 216.6  | 89.6   | 279.0  | 502.7  |
| 87° | 69.4   | 218.2  | 400.8  | 539.2  | 596.6  | 535.8  | 381.9  | 194.9  | 68.4   | 253.9  | 474.2  |
| 88° | 51.8   | 198.9  | 380.8  | 518.5  | 576.3  | 516.1  | 363.1  | 176.1  | 51.2   | 232.5  | 449.1  |
| 89° | 41.7   | 182.9  | 363.5  | 499.2  | 557.0  | 496.8  | 346.1  | 160.1  | 38.8   | 213.6  | 428.3  |



TEST NUMBER: P600971

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|      | 0°   | 22.5° | 45°   | 67.5° | 90°   | 112.5° | 135°  | 157.5° | 180° | 202.5° | 225°  |
|------|------|-------|-------|-------|-------|--------|-------|--------|------|--------|-------|
| 90°  | 37.0 | 172.3 | 350.5 | 483.6 | 542.1 | 482.5  | 332.4 | 148.5  | 31.1 | 197.6  | 410.2 |
| 91°  | 35.1 | 163.2 | 338.5 | 469.7 | 526.0 | 466.8  | 319.1 | 139.5  | 28.9 | 185.9  | 394.3 |
| 92°  | 34.2 | 154.2 | 326.5 | 455.7 | 511.0 | 453.5  | 307.8 | 131.1  | 28.0 | 175.5  | 380.1 |
| 93°  | 33.2 | 145.5 | 314.8 | 441.6 | 496.3 | 439.0  | 296.7 | 123.0  | 27.2 | 165.8  | 366.3 |
| 94°  | 32.4 | 137.6 | 303.3 | 428.6 | 480.6 | 425.1  | 285.6 | 115.4  | 26.8 | 156.2  | 352.7 |
| 95°  | 31.8 | 129.4 | 291.5 | 415.3 | 467.1 | 412.1  | 274.4 | 108.2  | 25.9 | 146.9  | 339.6 |
| 96°  | 31.1 | 122.0 | 280.7 | 403.3 | 452.4 | 397.9  | 263.7 | 101.2  | 25.3 | 138.4  | 326.3 |
| 97°  | 30.5 | 114.8 | 269.7 | 390.3 | 439.2 | 385.3  | 254.1 | 94.8   | 25.1 | 129.9  | 313.4 |
| 98°  | 29.7 | 108.4 | 259.7 | 377.9 | 424.5 | 372.6  | 244.0 | 88.6   | 25.0 | 122.2  | 301.5 |
| 99°  | 29.3 | 101.8 | 249.3 | 365.5 | 410.8 | 360.4  | 234.0 | 82.9   | 24.8 | 114.2  | 289.4 |
| 100° | 28.9 | 95.8  | 238.8 | 353.2 | 396.8 | 348.2  | 223.5 | 77.2   | 24.7 | 107.3  | 277.7 |
| 101° | 28.4 | 89.9  | 228.7 | 341.2 | 384.3 | 335.8  | 213.9 | 72.4   | 24.5 | 100.4  | 266.6 |
| 102° | 28.0 | 84.9  | 219.1 | 329.1 | 370.3 | 322.9  | 204.6 | 67.1   | 24.1 | 94.1   | 255.9 |
| 103° | 27.6 | 79.5  | 209.6 | 316.6 | 358.5 | 311.4  | 196.1 | 62.4   | 23.3 | 87.8   | 245.4 |
| 104° | 27.0 | 74.5  | 200.4 | 304.9 | 344.7 | 299.1  | 187.0 | 58.2   | 23.0 | 82.2   | 234.6 |
| 105° | 26.4 | 70.1  | 191.8 | 293.7 | 333.1 | 288.5  | 178.8 | 54.2   | 22.6 | 76.8   | 224.2 |
| 106° | 25.9 | 65.6  | 183.0 | 282.0 | 320.4 | 277.3  | 170.0 | 49.9   | 22.6 | 71.3   | 214.3 |
| 107° | 25.3 | 61.6  | 174.9 | 271.1 | 308.2 | 267.3  | 161.8 | 46.1   | 22.0 | 66.4   | 204.2 |
| 108° | 24.7 | 57.3  | 166.6 | 260.6 | 296.6 | 256.8  | 152.9 | 42.3   | 21.6 | 62.0   | 194.7 |
| 109° | 24.3 | 53.2  | 158.7 | 249.7 | 285.1 | 246.6  | 145.1 | 39.2   | 21.5 | 57.5   | 185.3 |
| 110° | 23.9 | 49.3  | 150.9 | 239.2 | 273.2 | 236.0  | 137.4 | 35.3   | 21.4 | 52.9   | 176.2 |
| 111° | 23.5 | 45.6  | 143.2 | 229.3 | 262.9 | 225.8  | 130.3 | 32.3   | 21.3 | 48.7   | 167.6 |
| 112° | 23.0 | 41.9  | 135.9 | 218.9 | 251.7 | 215.1  | 123.3 | 29.4   | 21.2 | 44.6   | 159.1 |
| 113° | 23.0 | 38.6  | 128.5 | 209.1 | 241.2 | 205.2  | 116.3 | 26.4   | 21.0 | 40.4   | 150.9 |
| 114° | 22.4 | 35.6  | 121.5 | 199.6 | 230.5 | 195.0  | 109.3 | 24.0   | 20.8 | 36.9   | 142.7 |
| 115° | 22.0 | 32.3  | 114.4 | 190.0 | 219.9 | 185.2  | 102.8 | 21.9   | 20.1 | 33.4   | 134.8 |
| 116° | 21.6 | 29.8  | 108.0 | 180.8 | 210.3 | 175.3  | 96.3  | 20.0   | 19.3 | 29.9   | 127.0 |
| 117° | 21.2 | 27.4  | 101.8 | 171.9 | 199.5 | 167.0  | 90.3  | 19.2   | 19.3 | 26.8   | 119.7 |
| 118° | 20.7 | 25.1  | 95.2  | 163.4 | 190.6 | 158.5  | 84.1  | 18.6   | 18.5 | 24.1   | 112.1 |
| 119° | 20.3 | 23.4  | 89.2  | 154.8 | 180.9 | 150.3  | 78.2  | 18.1   | 18.3 | 21.4   | 105.0 |
| 120° | 19.9 | 22.8  | 83.2  | 146.7 | 171.7 | 142.1  | 72.4  | 17.9   | 17.9 | 19.1   | 98.5  |
| 121° | 19.3 | 22.4  | 77.4  | 138.4 | 162.4 | 133.9  | 66.5  | 17.5   | 17.9 | 18.0   | 91.8  |
| 122° | 18.7 | 22.0  | 71.7  | 130.3 | 154.3 | 126.0  | 61.8  | 17.3   | 17.7 | 17.6   | 85.4  |
| 123° | 18.1 | 21.2  | 66.3  | 122.9 | 144.9 | 117.9  | 56.2  | 16.5   | 16.8 | 17.2   | 78.5  |
| 124° | 17.2 | 21.2  | 61.3  | 115.1 | 136.9 | 110.6  | 51.3  | 16.2   | 16.2 | 16.6   | 72.8  |
| 125° | 17.0 | 20.7  | 56.0  | 107.8 | 127.7 | 103.0  | 46.4  | 15.9   | 15.8 | 16.4   | 66.7  |
| 126° | 16.4 | 19.9  | 50.9  | 100.3 | 120.4 | 95.8   | 41.4  | 15.4   | 15.3 | 15.8   | 61.2  |
| 127° | 16.0 | 19.7  | 46.0  | 93.5  | 112.3 | 88.7   | 37.1  | 15.2   | 14.7 | 15.4   | 55.9  |
| 128° | 15.6 | 19.3  | 41.5  | 86.6  | 104.7 | 81.8   | 33.1  | 14.8   | 14.2 | 15.1   | 50.2  |
| 129° | 15.1 | 18.7  | 36.9  | 79.9  | 97.1  | 74.8   | 28.3  | 14.6   | 13.7 | 14.9   | 45.0  |
| 130° | 15.1 | 18.3  | 32.5  | 73.3  | 90.2  | 68.7   | 24.8  | 14.6   | 13.1 | 14.7   | 40.1  |
| 131° | 14.5 | 18.0  | 28.7  | 67.1  | 82.1  | 62.6   | 21.2  | 13.5   | 12.7 | 14.5   | 34.8  |
| 132° | 14.1 | 17.4  | 24.8  | 61.1  | 76.1  | 56.6   | 18.0  | 13.1   | 12.2 | 13.5   | 30.4  |
| 133° | 13.5 | 17.0  | 21.5  | 55.2  | 68.6  | 50.8   | 15.2  | 12.7   | 11.8 | 13.1   | 26.2  |
| 134° | 13.3 | 16.6  | 18.3  | 49.7  | 62.6  | 45.3   | 13.0  | 12.5   | 11.8 | 12.9   | 21.9  |





TEST NUMBER: P600971

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 135° | 12.9 | 15.8  | 16.7 | 44.0  | 56.2 | 40.0   | 12.6 | 11.9   | 11.4 | 12.7   | 18.2 |
| 136° | 12.7 | 15.4  | 16.3 | 39.0  | 50.0 | 34.8   | 12.2 | 11.9   | 10.2 | 12.5   | 14.6 |
| 137° | 12.2 | 15.1  | 15.5 | 34.1  | 44.3 | 30.2   | 11.8 | 12.1   | 9.8  | 12.2   | 12.8 |
| 138° | 12.0 | 14.7  | 15.3 | 29.5  | 38.5 | 25.7   | 11.4 | 11.9   | 9.5  | 11.9   | 12.2 |
| 139° | 11.8 | 14.3  | 14.5 | 24.7  | 33.1 | 21.3   | 10.9 | 10.8   | 9.4  | 11.6   | 11.6 |
| 140° | 11.6 | 13.7  | 14.4 | 20.7  | 28.0 | 17.5   | 10.5 | 10.2   | 8.9  | 11.4   | 11.4 |
| 141° | 11.0 | 13.5  | 14.2 | 17.1  | 23.1 | 13.9   | 10.1 | 10.0   | 8.8  | 11.0   | 11.1 |
| 142° | 10.9 | 13.1  | 13.8 | 14.6  | 18.5 | 11.5   | 9.7  | 9.6    | 8.7  | 10.7   | 10.3 |
| 143° | 10.7 | 12.6  | 13.2 | 13.8  | 14.4 | 11.1   | 9.7  | 9.2    | 8.6  | 10.3   | 9.7  |
| 144° | 10.5 | 12.4  | 12.8 | 13.6  | 11.7 | 10.7   | 9.6  | 8.8    | 8.6  | 10.0   | 9.3  |
| 145° | 10.4 | 12.2  | 12.6 | 13.6  | 10.6 | 10.5   | 9.5  | 8.8    | 8.7  | 9.8    | 9.1  |
| 146° | 10.2 | 11.6  | 12.3 | 13.2  | 10.0 | 10.2   | 9.5  | 8.7    | 8.7  | 9.7    | 8.5  |
| 147° | 10.0 | 11.2  | 11.9 | 12.8  | 9.8  | 9.8    | 9.4  | 8.6    | 8.7  | 9.5    | 8.3  |
| 148° | 9.8  | 10.8  | 11.6 | 12.6  | 9.4  | 9.6    | 9.3  | 8.5    | 8.7  | 9.4    | 8.4  |
| 149° | 9.5  | 10.8  | 11.2 | 12.4  | 9.2  | 9.4    | 8.7  | 8.5    | 8.7  | 9.4    | 8.4  |
| 150° | 9.5  | 10.6  | 10.9 | 12.2  | 8.8  | 9.2    | 8.4  | 8.5    | 8.7  | 9.4    | 8.5  |
| 151° | 9.3  | 10.2  | 11.1 | 11.9  | 8.8  | 9.0    | 8.4  | 8.6    | 8.7  | 9.4    | 8.5  |
| 152° | 9.1  | 10.0  | 10.9 | 11.7  | 9.0  | 8.9    | 8.3  | 8.6    | 8.7  | 9.3    | 8.5  |
| 153° | 8.9  | 9.8   | 10.7 | 11.5  | 8.8  | 8.7    | 8.3  | 8.6    | 8.7  | 9.3    | 8.6  |
| 154° | 8.9  | 9.8   | 10.5 | 11.4  | 8.0  | 8.6    | 8.3  | 8.7    | 8.7  | 9.3    | 8.6  |
| 155° | 8.8  | 9.8   | 10.7 | 11.2  | 8.0  | 8.4    | 8.3  | 8.7    | 8.7  | 9.3    | 8.7  |
| 156° | 8.8  | 9.8   | 10.7 | 11.1  | 8.0  | 8.0    | 8.3  | 8.8    | 8.7  | 9.3    | 8.7  |
| 157° | 8.8  | 9.8   | 10.7 | 10.9  | 7.9  | 8.2    | 8.2  | 8.8    | 8.7  | 9.3    | 8.8  |
| 158° | 8.7  | 9.8   | 10.6 | 10.7  | 7.9  | 8.2    | 8.2  | 8.9    | 9.0  | 9.3    | 8.8  |
| 159° | 8.9  | 9.8   | 10.6 | 10.5  | 7.9  | 8.2    | 8.2  | 8.9    | 9.3  | 9.3    | 8.8  |
| 160° | 9.0  | 9.8   | 10.6 | 10.4  | 7.9  | 8.2    | 8.2  | 9.0    | 9.6  | 9.3    | 8.9  |
| 161° | 9.2  | 9.8   | 10.6 | 10.2  | 8.0  | 8.2    | 8.2  | 9.0    | 9.9  | 9.7    | 8.9  |
| 162° | 9.3  | 9.8   | 10.6 | 10.1  | 8.0  | 8.2    | 8.6  | 9.1    | 10.2 | 10.1   | 9.9  |
| 163° | 9.4  | 9.8   | 10.6 | 9.9   | 8.0  | 8.2    | 8.8  | 9.8    | 10.6 | 10.8   | 10.5 |
| 164° | 9.7  | 9.8   | 10.6 | 9.9   | 8.1  | 8.2    | 8.8  | 10.2   | 11.2 | 11.0   | 10.9 |
| 165° | 9.8  | 9.8   | 10.6 | 9.8   | 8.1  | 8.2    | 8.9  | 10.4   | 12.0 | 11.2   | 11.1 |
| 166° | 10.4 | 9.8   | 10.6 | 9.7   | 8.2  | 8.2    | 9.3  | 10.8   | 12.6 | 11.8   | 11.2 |
| 167° | 11.4 | 10.0  | 10.6 | 9.7   | 8.2  | 8.2    | 9.1  | 11.2   | 13.1 | 11.8   | 11.8 |
| 168° | 11.6 | 10.6  | 10.6 | 9.6   | 8.2  | 8.2    | 9.2  | 11.0   | 13.3 | 11.8   | 12.6 |
| 169° | 11.8 | 11.6  | 10.5 | 9.5   | 8.3  | 8.2    | 9.3  | 11.2   | 13.5 | 11.8   | 12.8 |
| 170° | 11.6 | 11.8  | 10.5 | 9.5   | 8.3  | 8.2    | 9.4  | 11.2   | 13.7 | 11.8   | 12.8 |
| 171° | 12.0 | 11.8  | 10.5 | 9.5   | 8.3  | 8.2    | 9.5  | 11.4   | 13.9 | 11.9   | 12.8 |
| 172° | 11.9 | 12.0  | 10.5 | 9.4   | 8.4  | 8.2    | 9.6  | 11.4   | 14.1 | 11.9   | 12.7 |
| 173° | 11.9 | 12.4  | 10.5 | 9.4   | 8.4  | 8.2    | 9.7  | 11.5   | 14.0 | 11.9   | 12.7 |
| 174° | 11.9 | 12.7  | 10.5 | 9.3   | 8.4  | 8.6    | 10.1 | 11.6   | 14.0 | 11.9   | 12.7 |
| 175° | 11.8 | 12.5  | 10.5 | 9.3   | 8.6  | 8.4    | 9.9  | 11.7   | 14.0 | 11.9   | 12.7 |
| 176° | 11.8 | 12.5  | 10.5 | 9.2   | 9.0  | 9.0    | 9.9  | 11.8   | 13.9 | 12.0   | 12.6 |
| 177° | 11.8 | 12.5  | 11.1 | 9.1   | 9.2  | 9.2    | 9.9  | 11.9   | 13.9 | 12.0   | 12.6 |
| 178° | 12.0 | 12.5  | 10.9 | 9.1   | 9.2  | 9.0    | 9.9  | 11.9   | 13.5 | 12.0   | 12.6 |
| 179° | 12.0 | 12.5  | 10.9 | 9.1   | 9.2  | 9.0    | 9.9  | 11.9   | 13.5 | 12.0   | 12.6 |



TEST NUMBER: P600971  
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 180° | 12.0 | 12.0  | 12.0 | 12.0  | 12.0 | 12.0   | 12.0 | 12.0   | 12.0 | 12.0   | 12.0 |

TEST NUMBER: P600971

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|     | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|-----|--------|--------|--------|--------|--------|--------|
| 0°  | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 | 2938.1 |
| 1°  | 2937.9 | 2938.5 | 2938.9 | 2938.5 | 2938.5 | 2938.1 |
| 2°  | 2937.9 | 2938.7 | 2939.3 | 2938.9 | 2938.3 | 2937.7 |
| 3°  | 2936.8 | 2938.9 | 2939.3 | 2938.9 | 2935.2 | 2934.3 |
| 4°  | 2933.7 | 2936.6 | 2937.5 | 2937.2 | 2931.0 | 2929.7 |
| 5°  | 2930.4 | 2932.2 | 2934.3 | 2934.1 | 2925.5 | 2923.9 |
| 6°  | 2925.7 | 2927.6 | 2930.4 | 2930.3 | 2918.6 | 2916.6 |
| 7°  | 2919.5 | 2921.8 | 2924.9 | 2925.3 | 2910.5 | 2908.0 |
| 8°  | 2913.6 | 2916.4 | 2918.6 | 2918.9 | 2901.7 | 2897.7 |
| 9°  | 2906.3 | 2909.5 | 2911.3 | 2910.5 | 2891.0 | 2886.7 |
| 10° | 2898.0 | 2902.5 | 2902.6 | 2901.5 | 2878.9 | 2874.5 |
| 11° | 2888.8 | 2893.8 | 2893.3 | 2891.7 | 2865.8 | 2861.2 |
| 12° | 2878.7 | 2883.1 | 2883.7 | 2880.4 | 2852.2 | 2846.7 |
| 13° | 2867.8 | 2872.4 | 2873.1 | 2867.6 | 2836.5 | 2831.1 |
| 14° | 2855.5 | 2860.1 | 2861.6 | 2853.8 | 2820.6 | 2813.5 |
| 15° | 2843.4 | 2847.4 | 2849.5 | 2839.4 | 2803.5 | 2795.3 |
| 16° | 2829.4 | 2833.1 | 2835.6 | 2823.3 | 2784.9 | 2776.5 |
| 17° | 2815.2 | 2819.3 | 2821.8 | 2806.6 | 2766.4 | 2757.0 |
| 18° | 2799.1 | 2803.5 | 2805.3 | 2788.6 | 2747.0 | 2735.5 |
| 19° | 2782.3 | 2788.2 | 2788.6 | 2769.4 | 2725.7 | 2713.3 |
| 20° | 2764.2 | 2771.3 | 2770.2 | 2749.7 | 2703.3 | 2689.7 |
| 21° | 2744.5 | 2753.7 | 2751.4 | 2730.1 | 2680.1 | 2664.9 |
| 22° | 2724.9 | 2735.5 | 2732.4 | 2708.5 | 2655.6 | 2638.9 |
| 23° | 2704.4 | 2715.9 | 2712.7 | 2685.1 | 2630.2 | 2612.2 |
| 24° | 2684.1 | 2696.6 | 2691.6 | 2661.5 | 2604.8 | 2584.6 |
| 25° | 2663.0 | 2677.0 | 2669.5 | 2637.7 | 2577.5 | 2556.3 |
| 26° | 2642.1 | 2657.5 | 2647.5 | 2612.6 | 2549.9 | 2527.1 |
| 27° | 2619.1 | 2635.0 | 2623.3 | 2586.7 | 2520.6 | 2496.8 |
| 28° | 2595.4 | 2612.6 | 2600.3 | 2559.5 | 2491.3 | 2465.0 |
| 29° | 2571.4 | 2588.7 | 2575.0 | 2532.1 | 2460.6 | 2433.6 |
| 30° | 2547.2 | 2564.9 | 2551.3 | 2503.3 | 2430.1 | 2400.8 |
| 31° | 2522.3 | 2540.3 | 2526.0 | 2474.4 | 2398.5 | 2367.2 |
| 32° | 2495.9 | 2514.7 | 2500.3 | 2445.3 | 2365.3 | 2332.9 |
| 33° | 2469.6 | 2488.8 | 2473.8 | 2414.6 | 2332.4 | 2298.2 |
| 34° | 2443.2 | 2463.7 | 2447.9 | 2383.3 | 2298.6 | 2262.0 |
| 35° | 2415.4 | 2436.8 | 2419.6 | 2352.3 | 2263.9 | 2226.5 |
| 36° | 2386.8 | 2410.8 | 2391.8 | 2319.1 | 2228.8 | 2189.7 |
| 37° | 2357.8 | 2383.5 | 2363.8 | 2286.9 | 2193.4 | 2152.2 |
| 38° | 2329.5 | 2357.1 | 2334.5 | 2253.8 | 2156.8 | 2114.6 |
| 39° | 2300.5 | 2329.3 | 2304.9 | 2220.4 | 2120.5 | 2075.9 |
| 40° | 2271.0 | 2300.5 | 2275.2 | 2185.3 | 2083.0 | 2037.7 |
| 41° | 2242.6 | 2272.4 | 2244.9 | 2151.4 | 2045.4 | 1999.8 |
| 42° | 2212.7 | 2242.6 | 2214.1 | 2115.7 | 2007.6 | 1959.7 |
| 43° | 2182.3 | 2213.5 | 2183.2 | 2080.9 | 1969.1 | 1919.3 |
| 44° | 2152.2 | 2182.3 | 2151.2 | 2045.2 | 1930.4 | 1878.5 |

TEST NUMBER: P600971

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|     | 247.5° | 270°   | 292.5° | 315°   | 337.5° | 360°   |
|-----|--------|--------|--------|--------|--------|--------|
| 45° | 2121.5 | 2153.1 | 2118.8 | 2008.6 | 1891.7 | 1837.8 |
| 46° | 2089.9 | 2121.9 | 2086.2 | 1972.2 | 1852.1 | 1796.3 |
| 47° | 2058.0 | 2090.2 | 2054.8 | 1935.4 | 1812.8 | 1754.0 |
| 48° | 2026.2 | 2059.8 | 2020.8 | 1898.1 | 1772.9 | 1711.8 |
| 49° | 1993.6 | 2027.8 | 1988.1 | 1861.4 | 1732.3 | 1669.0 |
| 50° | 1961.0 | 1996.3 | 1954.1 | 1824.2 | 1691.6 | 1626.9 |
| 51° | 1928.3 | 1964.5 | 1919.6 | 1786.5 | 1649.9 | 1583.2 |
| 52° | 1894.2 | 1932.1 | 1885.8 | 1748.9 | 1609.3 | 1540.2 |
| 53° | 1860.9 | 1901.3 | 1851.6 | 1710.8 | 1567.7 | 1497.0 |
| 54° | 1826.8 | 1868.6 | 1816.4 | 1672.8 | 1526.2 | 1453.1 |
| 55° | 1792.4 | 1836.6 | 1780.7 | 1635.2 | 1484.2 | 1409.2 |
| 56° | 1757.2 | 1803.1 | 1744.5 | 1596.7 | 1442.3 | 1365.1 |
| 57° | 1722.8 | 1769.9 | 1709.5 | 1558.6 | 1399.7 | 1320.8 |
| 58° | 1687.0 | 1734.9 | 1672.0 | 1519.4 | 1357.9 | 1276.3 |
| 59° | 1651.5 | 1700.6 | 1636.8 | 1480.8 | 1315.0 | 1231.4 |
| 60° | 1615.7 | 1666.2 | 1599.9 | 1442.5 | 1272.1 | 1186.0 |
| 61° | 1579.1 | 1630.3 | 1564.4 | 1403.9 | 1229.0 | 1139.9 |
| 62° | 1542.4 | 1595.6 | 1527.2 | 1365.1 | 1186.2 | 1094.1 |
| 63° | 1506.1 | 1559.8 | 1490.4 | 1326.4 | 1142.9 | 1048.4 |
| 64° | 1469.1 | 1524.1 | 1453.1 | 1287.3 | 1100.3 | 1003.2 |
| 65° | 1432.7 | 1488.0 | 1415.9 | 1248.6 | 1056.7 | 956.7  |
| 66° | 1396.3 | 1450.9 | 1378.7 | 1210.2 | 1014.0 | 910.4  |
| 67° | 1358.6 | 1415.2 | 1341.1 | 1171.5 | 971.6  | 864.4  |
| 68° | 1321.4 | 1377.0 | 1303.4 | 1132.5 | 929.2  | 818.4  |
| 69° | 1283.7 | 1341.3 | 1265.7 | 1092.5 | 886.3  | 772.9  |
| 70° | 1246.2 | 1303.7 | 1228.4 | 1053.7 | 844.7  | 726.5  |
| 71° | 1207.3 | 1266.1 | 1190.6 | 1014.1 | 802.1  | 680.4  |
| 72° | 1169.2 | 1228.7 | 1152.9 | 975.2  | 760.9  | 635.2  |
| 73° | 1130.8 | 1190.3 | 1115.0 | 935.2  | 719.2  | 589.3  |
| 74° | 1092.4 | 1152.1 | 1076.6 | 896.5  | 677.6  | 544.0  |
| 75° | 1055.7 | 1111.4 | 1039.2 | 857.1  | 636.7  | 499.2  |
| 76° | 1018.3 | 1071.2 | 1001.6 | 818.8  | 597.0  | 455.5  |
| 77° | 981.7  | 1029.8 | 963.9  | 780.0  | 557.3  | 412.0  |
| 78° | 944.3  | 987.9  | 926.9  | 741.7  | 518.1  | 369.2  |
| 79° | 906.4  | 948.7  | 887.5  | 704.9  | 479.4  | 327.7  |
| 80° | 869.4  | 909.0  | 851.6  | 668.8  | 441.9  | 287.8  |
| 81° | 833.5  | 870.0  | 814.6  | 633.9  | 405.6  | 248.5  |
| 82° | 797.3  | 832.3  | 778.1  | 599.6  | 371.3  | 211.2  |
| 83° | 762.9  | 795.6  | 742.9  | 566.8  | 338.2  | 176.2  |
| 84° | 730.0  | 762.0  | 708.6  | 534.5  | 306.8  | 144.5  |
| 85° | 697.6  | 728.2  | 675.8  | 503.9  | 277.3  | 115.4  |
| 86° | 666.8  | 698.5  | 645.5  | 475.2  | 251.0  | 90.6   |
| 87° | 637.8  | 668.6  | 616.7  | 448.8  | 226.1  | 69.4   |
| 88° | 612.4  | 642.0  | 590.7  | 424.8  | 205.1  | 51.8   |
| 89° | 587.6  | 618.9  | 567.5  | 403.9  | 185.6  | 41.7   |

TEST NUMBER: P600971

CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|      | 247.5° | 270°  | 292.5° | 315°  | 337.5° | 360° |
|------|--------|-------|--------|-------|--------|------|
| 90°  | 568.4  | 597.5 | 547.2  | 384.3 | 171.4  | 37.0 |
| 91°  | 549.6  | 577.9 | 527.5  | 369.3 | 161.1  | 35.1 |
| 92°  | 533.2  | 561.2 | 511.4  | 355.4 | 151.6  | 34.2 |
| 93°  | 517.6  | 545.1 | 496.1  | 342.0 | 143.0  | 33.2 |
| 94°  | 501.8  | 529.7 | 480.3  | 328.3 | 134.2  | 32.4 |
| 95°  | 486.0  | 514.1 | 465.5  | 315.5 | 126.2  | 31.8 |
| 96°  | 470.1  | 499.6 | 450.6  | 304.0 | 118.6  | 31.1 |
| 97°  | 455.2  | 484.9 | 436.2  | 293.2 | 110.8  | 30.5 |
| 98°  | 440.1  | 469.9 | 422.6  | 281.9 | 103.5  | 29.7 |
| 99°  | 424.7  | 457.2 | 409.1  | 270.1 | 97.1   | 29.3 |
| 100° | 410.7  | 443.1 | 394.7  | 259.3 | 91.2   | 28.9 |
| 101° | 396.6  | 429.2 | 380.8  | 248.2 | 85.2   | 28.4 |
| 102° | 381.7  | 416.7 | 367.0  | 238.0 | 79.6   | 28.0 |
| 103° | 369.1  | 403.6 | 353.5  | 227.8 | 74.8   | 27.6 |
| 104° | 354.4  | 390.5 | 341.1  | 217.4 | 69.7   | 27.0 |
| 105° | 341.7  | 378.3 | 329.5  | 207.6 | 65.0   | 26.4 |
| 106° | 328.2  | 366.0 | 318.4  | 197.8 | 60.8   | 25.9 |
| 107° | 315.2  | 353.3 | 307.2  | 188.5 | 56.8   | 25.3 |
| 108° | 302.5  | 340.6 | 294.7  | 179.3 | 52.8   | 24.7 |
| 109° | 290.7  | 327.9 | 282.7  | 170.7 | 49.0   | 24.3 |
| 110° | 278.5  | 314.7 | 271.4  | 162.3 | 45.1   | 23.9 |
| 111° | 267.0  | 302.3 | 259.8  | 153.9 | 41.7   | 23.5 |
| 112° | 255.8  | 290.0 | 248.7  | 145.8 | 38.5   | 23.0 |
| 113° | 245.1  | 278.1 | 237.4  | 138.0 | 35.4   | 23.0 |
| 114° | 234.1  | 266.6 | 226.9  | 130.4 | 32.5   | 22.4 |
| 115° | 223.5  | 255.7 | 216.8  | 123.5 | 29.9   | 22.0 |
| 116° | 213.1  | 244.3 | 206.8  | 116.1 | 27.3   | 21.6 |
| 117° | 203.2  | 233.0 | 196.6  | 109.2 | 25.4   | 21.2 |
| 118° | 192.6  | 222.5 | 186.6  | 102.5 | 24.2   | 20.7 |
| 119° | 183.3  | 211.9 | 177.4  | 96.1  | 24.2   | 20.3 |
| 120° | 174.0  | 202.0 | 168.1  | 89.8  | 23.7   | 19.9 |
| 121° | 164.2  | 191.7 | 159.4  | 83.7  | 23.1   | 19.3 |
| 122° | 155.8  | 182.0 | 150.7  | 77.9  | 22.7   | 18.7 |
| 123° | 146.6  | 172.4 | 141.8  | 71.8  | 22.3   | 18.1 |
| 124° | 138.1  | 163.0 | 133.4  | 66.2  | 21.9   | 17.2 |
| 125° | 129.8  | 154.0 | 125.5  | 61.2  | 21.4   | 17.0 |
| 126° | 121.2  | 145.0 | 117.5  | 55.6  | 21.2   | 16.4 |
| 127° | 113.8  | 136.0 | 109.4  | 50.6  | 20.4   | 16.0 |
| 128° | 105.5  | 127.6 | 101.9  | 45.7  | 20.0   | 15.6 |
| 129° | 98.0   | 119.1 | 94.3   | 40.9  | 19.8   | 15.1 |
| 130° | 90.5   | 111.2 | 86.8   | 36.2  | 19.1   | 15.1 |
| 131° | 83.1   | 102.8 | 79.9   | 32.5  | 18.5   | 14.5 |
| 132° | 76.3   | 95.0  | 72.9   | 28.2  | 18.1   | 14.1 |
| 133° | 69.1   | 87.5  | 66.4   | 24.5  | 17.9   | 13.5 |
| 134° | 62.8   | 80.4  | 60.6   | 21.2  | 17.1   | 13.3 |

TEST NUMBER: P600971

CATALOG NUMBER: 8APVTLTD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|      | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|------|--------|------|--------|------|--------|------|
| 135° | 56.3   | 73.0 | 54.3   | 18.7 | 16.7   | 12.9 |
| 136° | 50.2   | 66.1 | 48.6   | 17.9 | 16.5   | 12.7 |
| 137° | 44.3   | 60.0 | 42.8   | 17.1 | 15.8   | 12.2 |
| 138° | 38.4   | 53.8 | 37.6   | 16.7 | 15.4   | 12.0 |
| 139° | 32.8   | 47.5 | 32.6   | 16.3 | 15.0   | 11.8 |
| 140° | 27.5   | 41.5 | 27.7   | 15.8 | 14.4   | 11.6 |
| 141° | 22.5   | 36.1 | 23.1   | 15.6 | 14.0   | 11.0 |
| 142° | 17.8   | 30.7 | 19.2   | 15.0 | 13.7   | 10.9 |
| 143° | 13.8   | 25.6 | 16.2   | 14.6 | 13.3   | 10.7 |
| 144° | 11.9   | 20.8 | 15.6   | 14.2 | 13.1   | 10.5 |
| 145° | 11.5   | 17.1 | 15.0   | 13.6 | 12.5   | 10.4 |
| 146° | 11.3   | 15.1 | 14.7   | 13.4 | 12.3   | 10.2 |
| 147° | 11.1   | 14.5 | 14.7   | 12.8 | 11.5   | 10.0 |
| 148° | 10.3   | 14.3 | 14.3   | 12.5 | 11.7   | 9.8  |
| 149° | 9.9    | 14.1 | 14.1   | 12.1 | 11.4   | 9.5  |
| 150° | 9.7    | 13.7 | 13.7   | 11.9 | 11.0   | 9.5  |
| 151° | 9.5    | 13.3 | 13.3   | 11.5 | 11.0   | 9.3  |
| 152° | 8.8    | 13.1 | 12.7   | 11.3 | 10.4   | 9.1  |
| 153° | 8.9    | 12.5 | 12.5   | 11.1 | 10.4   | 8.9  |
| 154° | 8.6    | 12.5 | 12.5   | 11.1 | 10.4   | 8.9  |
| 155° | 8.5    | 11.9 | 11.9   | 11.1 | 10.4   | 8.8  |
| 156° | 8.4    | 11.7 | 11.9   | 11.1 | 10.4   | 8.8  |
| 157° | 8.3    | 11.5 | 11.5   | 11.1 | 10.5   | 8.8  |
| 158° | 8.2    | 11.3 | 11.3   | 11.1 | 10.5   | 8.7  |
| 159° | 8.1    | 11.2 | 11.1   | 11.2 | 10.5   | 8.9  |
| 160° | 8.0    | 11.0 | 11.3   | 11.2 | 10.5   | 9.0  |
| 161° | 8.2    | 11.0 | 11.1   | 11.2 | 10.5   | 9.2  |
| 162° | 8.4    | 10.8 | 10.8   | 11.2 | 10.6   | 9.3  |
| 163° | 8.8    | 10.7 | 10.7   | 11.2 | 10.6   | 9.4  |
| 164° | 9.1    | 10.6 | 10.6   | 11.2 | 11.2   | 9.7  |
| 165° | 9.5    | 10.5 | 10.5   | 11.2 | 11.3   | 9.8  |
| 166° | 9.5    | 10.4 | 10.5   | 11.2 | 11.7   | 10.4 |
| 167° | 9.7    | 10.2 | 10.4   | 11.3 | 11.5   | 11.4 |
| 168° | 10.3   | 10.0 | 10.4   | 11.3 | 11.7   | 11.6 |
| 169° | 10.1   | 10.0 | 10.3   | 11.3 | 12.0   | 11.8 |
| 170° | 10.5   | 9.8  | 10.3   | 11.3 | 12.2   | 11.6 |
| 171° | 10.5   | 9.6  | 10.2   | 11.3 | 12.4   | 12.0 |
| 172° | 10.6   | 9.6  | 10.2   | 11.4 | 12.7   | 11.9 |
| 173° | 10.6   | 9.5  | 10.1   | 11.4 | 12.9   | 11.9 |
| 174° | 10.7   | 9.4  | 10.1   | 11.4 | 13.3   | 11.9 |
| 175° | 10.8   | 9.2  | 10.0   | 11.4 | 13.3   | 11.8 |
| 176° | 10.8   | 9.1  | 10.0   | 11.5 | 13.3   | 11.8 |
| 177° | 10.9   | 9.0  | 10.0   | 11.7 | 13.7   | 11.8 |
| 178° | 10.9   | 9.0  | 10.0   | 11.9 | 13.5   | 12.0 |
| 179° | 10.9   | 9.0  | 10.0   | 12.1 | 13.5   | 12.0 |



TEST NUMBER: P600971  
CATALOG NUMBER: 8APVTLD-SL3C3 MID POWER 5000K 277V

**CANDELA DISTRIBUTION (continued):**

|      | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|------|--------|------|--------|------|--------|------|
| 180° | 12.0   | 12.0 | 12.0   | 12.0 | 12.0   | 12.0 |

(END OF REPORT)