

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: P600961

Luminaire Tested: 8APVTLD-SL3C3 HI POWER 4000K 120V

Issue Date: 1/11/2023

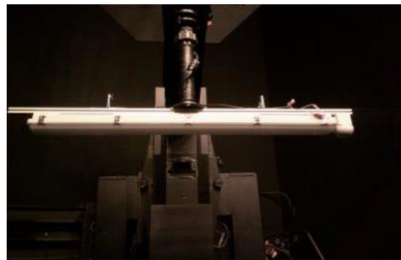
Test Information

Test Method: LM-79-2019
Report Number: P600961
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 HI POWER 4000K 120V
Description: HI POWER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

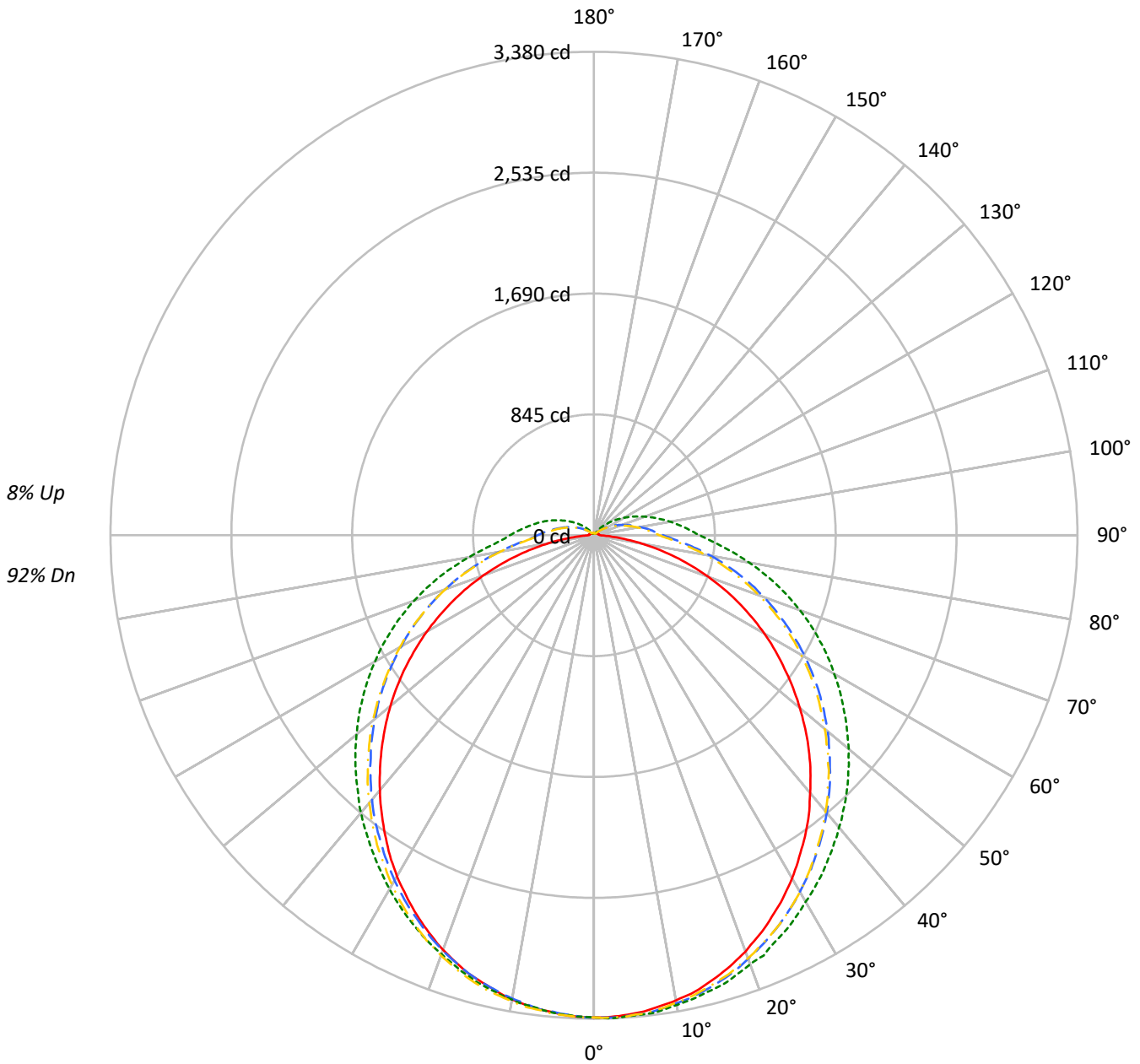
Lumens per Lamp: N/A
Luminaire Lumens: 11483.9 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.08')
CIE Type: Direct

Input Watts (W): 94
Input Voltage (V): 120
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: P600961
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 4000K 120V

Luminous Intensity Polar Plot



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



TEST NUMBER: P600961

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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 | 95 |
| 1 | 105 | 100 | 95 | 91 | 102 | 97 | 92 | 88 | 91 | 87 | 84 | 86 | 83 | 80 | 81 | 79 | 76 | 76 | 76 | 76 | 74 |
| 2 | 95 | 86 | 79 | 72 | 92 | 84 | 77 | 71 | 79 | 73 | 68 | 74 | 70 | 65 | 70 | 66 | 63 | 63 | 63 | 63 | 60 |
| 3 | 86 | 75 | 66 | 60 | 83 | 73 | 65 | 59 | 69 | 62 | 57 | 65 | 59 | 55 | 62 | 57 | 53 | 53 | 53 | 53 | 50 |
| 4 | 79 | 66 | 57 | 50 | 76 | 64 | 56 | 49 | 61 | 54 | 48 | 58 | 51 | 46 | 55 | 49 | 45 | 45 | 45 | 45 | 42 |
| 5 | 72 | 59 | 50 | 43 | 70 | 57 | 49 | 42 | 54 | 47 | 41 | 52 | 45 | 40 | 49 | 43 | 39 | 39 | 39 | 39 | 36 |
| 6 | 67 | 53 | 44 | 37 | 64 | 52 | 43 | 37 | 49 | 41 | 36 | 47 | 40 | 35 | 44 | 39 | 34 | 34 | 34 | 34 | 32 |
| 7 | 62 | 48 | 39 | 33 | 60 | 47 | 38 | 32 | 45 | 37 | 32 | 42 | 36 | 31 | 40 | 35 | 30 | 30 | 30 | 30 | 28 |
| 8 | 58 | 44 | 35 | 29 | 56 | 43 | 34 | 29 | 41 | 33 | 28 | 39 | 32 | 28 | 37 | 31 | 27 | 27 | 27 | 27 | 25 |
| 9 | 54 | 40 | 32 | 26 | 52 | 39 | 31 | 26 | 37 | 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° | 13610 | 13610 | 13610 | 13610 |
| 5° | 13579 | 13356 | 13546 | 13284 |
| 10° | 13510 | 13093 | 13485 | 12945 |
| 15° | 13407 | 12840 | 13353 | 12628 |
| 20° | 13257 | 12568 | 13200 | 12270 |
| 25° | 13043 | 12328 | 12984 | 11954 |
| 30° | 12835 | 12058 | 12758 | 11637 |
| 35° | 12579 | 11830 | 12462 | 11316 |
| 40° | 12285 | 11608 | 12162 | 11033 |
| 45° | 12006 | 11433 | 11840 | 10751 |
| 50° | 11658 | 11255 | 11516 | 10480 |
| 55° | 11282 | 11066 | 11148 | 10221 |
| 60° | 10912 | 10928 | 10706 | 9960 |
| 65° | 10415 | 10815 | 10151 | 9682 |
| 70° | 9754 | 10718 | 9453 | 9355 |
| 75° | 8862 | 10639 | 8473 | 8988 |
| 80° | 7559 | 10602 | 7070 | 8546 |
| 85° | 5939 | 10792 | 5335 | 8402 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 16585 cd/sqm



TEST NUMBER: P600961
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 318.9 | 2.8 |
| 10°-20° | 911.7 | 7.9 |
| 20°-30° | 1379.4 | 12.0 |
| 30°-40° | 1666.9 | 14.5 |
| 40°-50° | 1754.6 | 15.3 |
| 50°-60° | 1648.0 | 14.4 |
| 60°-70° | 1374.9 | 12.0 |
| 70°-80° | 981.8 | 8.5 |
| 80°-90° | 578.6 | 5.0 |
| 90°-100° | 362.1 | 3.2 |
| 100°-110° | 238.8 | 2.1 |
| 110°-120° | 141.9 | 1.2 |
| 120°-130° | 73.5 | 0.6 |
| 130°-140° | 29.9 | 0.3 |
| 140°-150° | 10.9 | 0.1 |
| 150°-160° | 6.4 | 0.1 |
| 160°-170° | 4.1 | 0.0 |
| 170°-180° | 1.5 | 0.0 |
| 0°-30° | 2610.0 | 22.7 |
| 0°-40° | 4276.9 | 37.2 |
| 0°-60° | 7679.5 | 66.9 |
| 0°-90° | 10614.8 | 92.4 |
| 90°-120° | 742.8 | 6.5 |
| 90°-150° | 857.1 | 7.5 |
| 90°-180° | 869.0 | 7.6 |
| 0°-180° | 11483.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|------|------|------|------|------|------|------|
| 0° | 3372 | 3372 | 3372 | 3372 | 3372 | |
| 5° | 3354 | 3368 | 3346 | 3350 | 3354 | 318 |
| 15° | 3217 | 3278 | 3204 | 3224 | 3217 | 907 |
| 25° | 2943 | 3091 | 2930 | 2997 | 2943 | 1356 |
| 35° | 2571 | 2821 | 2548 | 2698 | 2571 | 1608 |
| 45° | 2125 | 2504 | 2096 | 2354 | 2125 | 1637 |
| 55° | 1627 | 2134 | 1608 | 1971 | 1627 | 1456 |
| 65° | 1115 | 1739 | 1086 | 1557 | 1115 | 1103 |
| 75° | 590 | 1319 | 564 | 1114 | 590 | 624 |
| 85° | 144 | 899 | 129 | 700 | 144 | 159 |
| 90° | 43 | 740 | 40 | 587 | 43 | 27 |
| 95° | 37 | 635 | 34 | 504 | 37 | 30 |
| 105° | 31 | 459 | 30 | 368 | 31 | 33 |
| 115° | 27 | 308 | 26 | 244 | 27 | 27 |
| 125° | 21 | 188 | 21 | 144 | 21 | 19 |
| 135° | 17 | 93 | 14 | 63 | 17 | 13 |
| 145° | 14 | 24 | 11 | 18 | 14 | 9 |
| 155° | 13 | 13 | 11 | 14 | 13 | 6 |
| 165° | 14 | 13 | 15 | 13 | 14 | 4 |
| 175° | 16 | 13 | 19 | 13 | 16 | 2 |
| 180° | 16 | 16 | 16 | 16 | 16 | |



TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 |
| 1° | 3371.5 | 3377.0 | 3371.7 | 3372.9 | 3374.9 | 3374.3 | 3374.5 | 3371.5 | 3370.0 | 3370.9 | 3371.1 |
| 2° | 3370.0 | 3374.9 | 3374.7 | 3374.9 | 3380.2 | 3373.3 | 3372.5 | 3370.5 | 3367.0 | 3366.8 | 3364.6 |
| 3° | 3365.4 | 3373.7 | 3372.1 | 3368.8 | 3377.0 | 3372.1 | 3373.9 | 3366.6 | 3363.5 | 3361.3 | 3356.6 |
| 4° | 3360.7 | 3373.1 | 3367.2 | 3367.8 | 3370.5 | 3366.8 | 3371.3 | 3358.3 | 3357.9 | 3356.4 | 3353.6 |
| 5° | 3354.4 | 3369.0 | 3363.7 | 3361.1 | 3368.4 | 3363.9 | 3363.3 | 3355.4 | 3346.3 | 3353.0 | 3342.2 |
| 6° | 3348.7 | 3360.1 | 3360.3 | 3359.9 | 3366.0 | 3359.1 | 3363.3 | 3349.7 | 3339.4 | 3342.6 | 3340.6 |
| 7° | 3335.3 | 3351.4 | 3356.0 | 3352.4 | 3365.2 | 3352.0 | 3351.2 | 3339.0 | 3332.0 | 3332.9 | 3330.2 |
| 8° | 3323.9 | 3342.8 | 3344.6 | 3350.3 | 3357.5 | 3347.5 | 3343.6 | 3329.2 | 3320.9 | 3321.9 | 3314.4 |
| 9° | 3314.2 | 3324.7 | 3335.1 | 3341.0 | 3344.8 | 3340.8 | 3330.4 | 3321.7 | 3307.9 | 3309.7 | 3300.6 |
| 10° | 3302.2 | 3309.3 | 3322.9 | 3332.3 | 3335.3 | 3330.0 | 3318.8 | 3303.8 | 3296.1 | 3293.4 | 3289.0 |
| 11° | 3287.3 | 3303.2 | 3313.2 | 3320.9 | 3324.9 | 3319.9 | 3307.1 | 3293.6 | 3280.4 | 3276.0 | 3273.9 |
| 12° | 3276.2 | 3285.3 | 3299.7 | 3310.5 | 3315.6 | 3306.7 | 3293.4 | 3275.4 | 3261.1 | 3257.3 | 3256.5 |
| 13° | 3259.1 | 3269.7 | 3286.7 | 3298.3 | 3303.0 | 3293.6 | 3278.4 | 3255.6 | 3241.0 | 3235.3 | 3240.2 |
| 14° | 3237.2 | 3249.1 | 3270.7 | 3283.9 | 3290.4 | 3282.5 | 3261.3 | 3238.2 | 3223.3 | 3212.6 | 3224.2 |
| 15° | 3217.2 | 3232.5 | 3255.4 | 3271.1 | 3278.4 | 3263.4 | 3245.9 | 3218.9 | 3204.4 | 3196.1 | 3204.2 |
| 16° | 3194.1 | 3212.8 | 3236.7 | 3253.6 | 3267.6 | 3246.3 | 3226.8 | 3199.0 | 3186.6 | 3173.4 | 3184.1 |
| 17° | 3171.9 | 3192.2 | 3218.7 | 3237.6 | 3251.2 | 3233.5 | 3210.7 | 3171.3 | 3162.6 | 3150.0 | 3161.6 |
| 18° | 3147.9 | 3174.8 | 3199.2 | 3218.7 | 3229.4 | 3215.6 | 3189.2 | 3150.8 | 3136.2 | 3126.8 | 3138.6 |
| 19° | 3122.3 | 3145.5 | 3176.0 | 3200.6 | 3212.2 | 3198.7 | 3166.2 | 3124.0 | 3109.5 | 3102.8 | 3114.2 |
| 20° | 3098.0 | 3119.1 | 3152.2 | 3182.3 | 3192.0 | 3176.6 | 3147.9 | 3103.0 | 3084.6 | 3078.9 | 3091.1 |
| 21° | 3065.7 | 3092.3 | 3129.3 | 3165.2 | 3177.6 | 3156.7 | 3125.2 | 3079.5 | 3056.1 | 3048.2 | 3062.4 |
| 22° | 3036.6 | 3070.7 | 3104.5 | 3140.8 | 3168.7 | 3139.8 | 3097.8 | 3054.5 | 3023.6 | 3018.1 | 3036.4 |
| 23° | 3009.4 | 3038.8 | 3079.7 | 3115.0 | 3136.2 | 3115.4 | 3076.2 | 3016.9 | 2993.5 | 2987.8 | 3005.9 |
| 24° | 2977.5 | 3009.0 | 3053.5 | 3096.7 | 3111.6 | 3089.8 | 3052.6 | 2993.1 | 2961.2 | 2959.2 | 2977.7 |
| 25° | 2942.7 | 2981.5 | 3028.5 | 3071.8 | 3090.6 | 3067.3 | 3026.2 | 2964.5 | 2929.5 | 2927.5 | 2947.0 |
| 26° | 2909.6 | 2950.8 | 2998.0 | 3050.4 | 3067.5 | 3042.1 | 3000.4 | 2931.9 | 2894.6 | 2892.5 | 2918.9 |
| 27° | 2879.3 | 2920.8 | 2969.7 | 3020.5 | 3043.5 | 3016.9 | 2972.2 | 2897.6 | 2860.8 | 2858.8 | 2885.6 |
| 28° | 2842.9 | 2882.8 | 2941.5 | 2996.6 | 3015.7 | 2992.5 | 2940.3 | 2861.0 | 2822.4 | 2822.0 | 2854.1 |
| 29° | 2806.6 | 2850.5 | 2912.8 | 2969.7 | 2988.0 | 2966.3 | 2909.8 | 2826.1 | 2790.1 | 2787.9 | 2821.2 |
| 30° | 2770.4 | 2817.5 | 2879.7 | 2942.1 | 2960.4 | 2933.4 | 2879.9 | 2793.4 | 2753.7 | 2750.1 | 2786.5 |
| 31° | 2730.8 | 2781.2 | 2848.2 | 2913.3 | 2935.2 | 2909.6 | 2845.6 | 2752.9 | 2712.9 | 2714.1 | 2751.5 |
| 32° | 2690.8 | 2746.4 | 2816.1 | 2883.2 | 2909.2 | 2878.5 | 2811.2 | 2717.2 | 2675.9 | 2678.6 | 2714.9 |
| 33° | 2649.7 | 2702.9 | 2785.0 | 2852.7 | 2880.1 | 2851.3 | 2776.9 | 2680.2 | 2633.9 | 2642.0 | 2680.4 |
| 34° | 2611.3 | 2667.2 | 2748.7 | 2822.0 | 2853.5 | 2823.4 | 2742.6 | 2643.2 | 2590.4 | 2598.7 | 2642.0 |
| 35° | 2571.3 | 2628.8 | 2712.9 | 2791.3 | 2821.0 | 2788.7 | 2708.4 | 2601.6 | 2547.5 | 2556.2 | 2603.0 |
| 36° | 2530.4 | 2590.4 | 2679.2 | 2760.3 | 2791.1 | 2754.8 | 2668.6 | 2559.7 | 2504.6 | 2516.0 | 2569.0 |
| 37° | 2489.4 | 2551.4 | 2641.8 | 2728.5 | 2762.1 | 2724.9 | 2633.7 | 2521.9 | 2461.7 | 2476.2 | 2532.3 |
| 38° | 2444.3 | 2508.1 | 2607.9 | 2695.0 | 2728.8 | 2688.1 | 2598.7 | 2477.8 | 2418.3 | 2436.3 | 2494.9 |
| 39° | 2396.3 | 2465.2 | 2570.1 | 2661.7 | 2700.9 | 2652.1 | 2556.6 | 2436.8 | 2373.8 | 2395.3 | 2455.7 |
| 40° | 2351.8 | 2422.5 | 2533.3 | 2629.4 | 2665.2 | 2622.1 | 2519.9 | 2395.7 | 2328.3 | 2350.0 | 2413.4 |
| 41° | 2305.9 | 2384.7 | 2495.5 | 2598.3 | 2637.9 | 2588.1 | 2482.1 | 2349.8 | 2283.5 | 2310.0 | 2373.6 |
| 42° | 2262.6 | 2340.2 | 2453.8 | 2563.8 | 2600.5 | 2552.0 | 2442.2 | 2307.9 | 2236.6 | 2263.8 | 2331.7 |
| 43° | 2217.9 | 2297.8 | 2415.0 | 2527.8 | 2570.5 | 2518.2 | 2395.3 | 2262.2 | 2190.9 | 2219.5 | 2290.9 |
| 44° | 2170.6 | 2256.5 | 2376.6 | 2490.2 | 2537.9 | 2485.1 | 2361.8 | 2219.9 | 2143.7 | 2175.4 | 2252.7 |

TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 45° | 2125.1 | 2213.8 | 2333.7 | 2456.7 | 2503.6 | 2449.4 | 2322.6 | 2172.8 | 2095.8 | 2128.1 | 2205.9 |
| 46° | 2076.7 | 2168.1 | 2293.3 | 2419.7 | 2469.1 | 2415.0 | 2271.1 | 2129.5 | 2048.6 | 2081.8 | 2168.1 |
| 47° | 2027.3 | 2119.0 | 2254.1 | 2381.1 | 2430.1 | 2375.8 | 2236.8 | 2082.0 | 2000.9 | 2034.6 | 2128.3 |
| 48° | 1978.3 | 2076.3 | 2211.0 | 2347.6 | 2398.6 | 2337.8 | 2189.3 | 2037.7 | 1953.5 | 1988.7 | 2085.2 |
| 49° | 1928.8 | 2027.7 | 2174.0 | 2312.2 | 2358.5 | 2300.8 | 2149.4 | 1990.3 | 1906.3 | 1939.3 | 2042.1 |
| 50° | 1879.6 | 1981.6 | 2133.8 | 2270.3 | 2326.2 | 2260.6 | 2107.2 | 1944.6 | 1856.6 | 1891.5 | 1996.8 |
| 51° | 1829.5 | 1932.8 | 2089.7 | 2234.4 | 2284.8 | 2220.4 | 2062.1 | 1897.2 | 1808.8 | 1845.1 | 1953.0 |
| 52° | 1779.4 | 1889.2 | 2048.2 | 2200.6 | 2247.4 | 2180.1 | 2019.0 | 1849.0 | 1758.9 | 1794.4 | 1913.9 |
| 53° | 1729.0 | 1840.9 | 2008.2 | 2161.8 | 2211.2 | 2142.3 | 1978.5 | 1800.6 | 1707.7 | 1748.3 | 1868.7 |
| 54° | 1678.2 | 1791.6 | 1964.3 | 2121.2 | 2173.6 | 2103.7 | 1935.9 | 1754.8 | 1657.1 | 1700.7 | 1824.8 |
| 55° | 1627.0 | 1744.9 | 1923.2 | 2082.6 | 2133.8 | 2065.5 | 1891.8 | 1706.6 | 1607.7 | 1652.4 | 1778.9 |
| 56° | 1577.3 | 1694.6 | 1880.3 | 2045.0 | 2096.6 | 2024.7 | 1845.0 | 1655.2 | 1555.8 | 1601.9 | 1734.4 |
| 57° | 1527.1 | 1647.1 | 1836.7 | 2003.3 | 2059.4 | 1986.9 | 1806.7 | 1605.7 | 1504.0 | 1553.7 | 1691.3 |
| 58° | 1478.2 | 1598.5 | 1793.2 | 1963.7 | 2019.8 | 1943.9 | 1762.0 | 1556.6 | 1452.7 | 1504.7 | 1646.5 |
| 59° | 1428.2 | 1550.7 | 1749.7 | 1922.1 | 1982.2 | 1904.5 | 1714.6 | 1510.0 | 1401.8 | 1455.3 | 1602.6 |
| 60° | 1376.1 | 1500.8 | 1706.3 | 1882.3 | 1939.8 | 1861.2 | 1670.7 | 1459.3 | 1350.1 | 1408.2 | 1555.2 |
| 61° | 1323.2 | 1454.1 | 1660.5 | 1840.8 | 1902.6 | 1820.1 | 1630.5 | 1411.8 | 1297.4 | 1358.3 | 1514.7 |
| 62° | 1272.5 | 1404.5 | 1619.9 | 1798.6 | 1862.8 | 1780.5 | 1586.8 | 1363.4 | 1245.2 | 1308.4 | 1469.6 |
| 63° | 1220.5 | 1356.4 | 1571.4 | 1758.4 | 1822.4 | 1738.2 | 1539.4 | 1315.5 | 1191.4 | 1259.5 | 1423.5 |
| 64° | 1167.2 | 1309.3 | 1528.6 | 1715.7 | 1784.0 | 1696.3 | 1497.4 | 1264.8 | 1140.0 | 1210.1 | 1378.4 |
| 65° | 1114.8 | 1260.0 | 1484.8 | 1676.2 | 1739.4 | 1651.4 | 1452.1 | 1216.0 | 1086.5 | 1160.7 | 1330.9 |
| 66° | 1062.6 | 1210.9 | 1440.2 | 1634.0 | 1702.7 | 1610.1 | 1407.7 | 1168.7 | 1034.6 | 1111.1 | 1288.6 |
| 67° | 1009.3 | 1163.6 | 1396.5 | 1589.0 | 1658.5 | 1568.1 | 1362.3 | 1119.8 | 982.1 | 1063.1 | 1243.5 |
| 68° | 956.3 | 1113.7 | 1352.5 | 1546.8 | 1618.2 | 1525.2 | 1317.7 | 1071.4 | 928.6 | 1015.0 | 1197.6 |
| 69° | 903.4 | 1067.8 | 1308.7 | 1502.8 | 1573.8 | 1482.7 | 1272.9 | 1022.0 | 876.1 | 966.8 | 1152.9 |
| 70° | 850.1 | 1019.3 | 1265.7 | 1461.4 | 1531.9 | 1438.9 | 1227.7 | 974.2 | 823.9 | 918.4 | 1107.7 |
| 71° | 796.9 | 970.4 | 1220.0 | 1415.8 | 1488.3 | 1396.5 | 1183.1 | 928.1 | 768.7 | 870.2 | 1061.2 |
| 72° | 745.4 | 922.6 | 1180.6 | 1373.9 | 1445.7 | 1352.4 | 1137.8 | 881.2 | 718.3 | 822.9 | 1018.9 |
| 73° | 694.6 | 876.1 | 1134.1 | 1328.8 | 1404.1 | 1310.7 | 1094.0 | 833.1 | 667.6 | 775.5 | 974.9 |
| 74° | 641.2 | 828.6 | 1092.2 | 1281.7 | 1359.5 | 1265.9 | 1048.5 | 786.2 | 615.6 | 729.6 | 929.4 |
| 75° | 590.3 | 783.1 | 1046.6 | 1239.1 | 1318.7 | 1224.1 | 1005.8 | 739.6 | 564.4 | 683.4 | 885.2 |
| 76° | 538.0 | 736.1 | 1002.8 | 1195.5 | 1273.9 | 1179.7 | 962.7 | 693.5 | 513.9 | 638.7 | 840.0 |
| 77° | 488.2 | 692.5 | 959.1 | 1153.1 | 1230.4 | 1137.7 | 919.8 | 648.2 | 463.8 | 594.4 | 797.1 |
| 78° | 438.3 | 648.0 | 915.3 | 1109.8 | 1186.6 | 1094.0 | 875.1 | 603.1 | 414.4 | 552.1 | 755.4 |
| 79° | 391.1 | 605.0 | 873.4 | 1067.9 | 1145.4 | 1052.7 | 835.4 | 562.2 | 367.7 | 508.7 | 715.7 |
| 80° | 344.4 | 562.1 | 829.1 | 1024.2 | 1102.8 | 1009.9 | 791.1 | 518.9 | 322.1 | 468.3 | 673.5 |
| 81° | 299.7 | 519.9 | 787.5 | 984.2 | 1060.0 | 970.1 | 751.5 | 478.5 | 278.9 | 428.8 | 634.6 |
| 82° | 256.2 | 481.8 | 747.4 | 942.9 | 1018.5 | 930.6 | 710.1 | 437.2 | 236.0 | 391.3 | 597.1 |
| 83° | 216.4 | 442.5 | 705.8 | 903.0 | 978.5 | 889.7 | 672.0 | 400.9 | 197.1 | 356.3 | 562.4 |
| 84° | 178.5 | 406.4 | 666.6 | 862.8 | 937.9 | 852.1 | 633.2 | 363.6 | 161.6 | 323.0 | 528.6 |
| 85° | 143.5 | 371.3 | 630.0 | 823.5 | 898.9 | 815.1 | 599.1 | 330.2 | 128.9 | 291.3 | 497.2 |
| 86° | 112.1 | 336.4 | 595.1 | 786.7 | 864.6 | 781.0 | 567.1 | 298.9 | 99.8 | 263.0 | 469.0 |
| 87° | 86.3 | 305.0 | 563.2 | 750.4 | 827.3 | 746.2 | 534.3 | 270.2 | 74.8 | 237.1 | 443.2 |
| 88° | 66.2 | 278.5 | 534.0 | 717.6 | 797.3 | 715.1 | 505.5 | 244.5 | 57.9 | 218.8 | 423.8 |
| 89° | 50.8 | 256.7 | 507.5 | 688.7 | 764.9 | 683.0 | 478.6 | 223.0 | 45.5 | 202.4 | 407.7 |



TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|------|-------|-------|-------|-------|--------|-------|--------|------|--------|-------|
| 90° | 42.8 | 237.6 | 484.7 | 661.9 | 740.5 | 659.6 | 457.0 | 206.6 | 39.5 | 190.9 | 394.0 |
| 91° | 40.7 | 222.2 | 464.5 | 639.5 | 712.8 | 635.7 | 439.0 | 193.1 | 37.9 | 180.1 | 378.9 |
| 92° | 39.6 | 210.3 | 446.9 | 620.8 | 693.3 | 616.9 | 423.0 | 182.6 | 36.9 | 169.6 | 365.1 |
| 93° | 38.4 | 197.8 | 431.2 | 603.3 | 673.3 | 598.1 | 408.3 | 172.1 | 35.8 | 159.8 | 351.5 |
| 94° | 37.8 | 187.1 | 416.3 | 584.0 | 653.4 | 579.9 | 393.6 | 161.8 | 35.0 | 150.9 | 338.0 |
| 95° | 37.1 | 176.7 | 402.3 | 567.1 | 634.6 | 562.2 | 380.0 | 151.6 | 33.8 | 142.4 | 324.4 |
| 96° | 36.4 | 166.7 | 386.5 | 550.2 | 614.3 | 544.8 | 365.2 | 142.7 | 33.1 | 133.7 | 311.8 |
| 97° | 35.5 | 157.2 | 371.6 | 533.3 | 596.5 | 527.7 | 351.8 | 133.7 | 32.6 | 125.6 | 299.5 |
| 98° | 35.0 | 147.8 | 357.3 | 516.7 | 578.4 | 510.5 | 338.5 | 125.6 | 31.7 | 117.9 | 287.6 |
| 99° | 34.5 | 139.8 | 344.2 | 500.6 | 560.5 | 493.3 | 325.0 | 117.7 | 31.0 | 110.3 | 276.8 |
| 100° | 34.0 | 132.0 | 329.0 | 484.2 | 543.0 | 477.1 | 312.2 | 111.0 | 30.9 | 103.4 | 265.0 |
| 101° | 33.5 | 124.6 | 315.8 | 468.7 | 525.6 | 460.9 | 299.2 | 103.5 | 30.6 | 96.9 | 254.4 |
| 102° | 32.9 | 117.1 | 303.0 | 452.5 | 508.6 | 445.4 | 286.0 | 96.7 | 30.4 | 90.6 | 242.4 |
| 103° | 32.6 | 109.9 | 290.8 | 435.4 | 491.5 | 430.7 | 274.6 | 90.5 | 30.2 | 85.0 | 232.3 |
| 104° | 32.1 | 103.7 | 278.8 | 419.2 | 473.7 | 415.0 | 261.0 | 84.5 | 29.9 | 79.5 | 221.7 |
| 105° | 31.3 | 97.3 | 267.3 | 405.2 | 459.3 | 400.3 | 250.7 | 78.7 | 29.7 | 74.1 | 211.8 |
| 106° | 31.1 | 91.0 | 255.4 | 389.9 | 442.2 | 384.7 | 238.6 | 73.4 | 29.7 | 68.8 | 202.6 |
| 107° | 30.9 | 85.8 | 244.0 | 374.1 | 427.2 | 370.2 | 228.5 | 68.4 | 28.7 | 63.7 | 193.0 |
| 108° | 30.2 | 79.9 | 233.6 | 360.9 | 410.0 | 355.3 | 216.9 | 63.2 | 28.3 | 58.7 | 183.2 |
| 109° | 29.5 | 74.7 | 222.6 | 346.3 | 396.6 | 341.9 | 207.8 | 58.6 | 28.0 | 54.8 | 174.3 |
| 110° | 29.0 | 69.5 | 212.5 | 332.6 | 379.7 | 327.1 | 196.8 | 54.4 | 27.8 | 50.4 | 165.3 |
| 111° | 28.7 | 64.4 | 202.3 | 319.4 | 366.3 | 314.6 | 187.1 | 49.9 | 27.8 | 46.4 | 157.1 |
| 112° | 28.3 | 59.9 | 192.5 | 305.4 | 351.0 | 301.6 | 177.3 | 45.7 | 26.9 | 42.4 | 148.6 |
| 113° | 28.0 | 56.0 | 182.9 | 292.8 | 336.1 | 288.7 | 168.4 | 42.1 | 26.9 | 38.8 | 140.5 |
| 114° | 27.3 | 51.5 | 173.4 | 280.1 | 323.4 | 275.8 | 159.4 | 38.3 | 26.7 | 35.6 | 132.6 |
| 115° | 26.6 | 47.4 | 164.5 | 267.6 | 308.4 | 262.9 | 151.0 | 35.1 | 25.7 | 32.2 | 124.8 |
| 116° | 26.3 | 43.8 | 155.7 | 254.8 | 296.3 | 250.9 | 142.3 | 31.7 | 25.4 | 29.4 | 116.9 |
| 117° | 25.9 | 39.9 | 147.0 | 243.3 | 281.9 | 239.8 | 134.4 | 29.3 | 25.0 | 26.9 | 110.1 |
| 118° | 25.4 | 36.7 | 138.7 | 232.6 | 269.8 | 228.2 | 126.1 | 26.5 | 24.7 | 24.4 | 102.7 |
| 119° | 24.9 | 33.5 | 131.1 | 221.0 | 257.1 | 216.8 | 118.3 | 24.8 | 24.2 | 24.4 | 96.0 |
| 120° | 24.5 | 30.8 | 122.9 | 209.8 | 245.8 | 206.1 | 110.8 | 24.6 | 24.0 | 24.1 | 89.0 |
| 121° | 23.9 | 28.9 | 115.5 | 199.3 | 233.2 | 194.5 | 103.1 | 23.9 | 23.7 | 22.9 | 81.9 |
| 122° | 23.3 | 28.2 | 108.0 | 188.6 | 222.7 | 184.4 | 96.2 | 23.7 | 22.6 | 22.5 | 76.0 |
| 123° | 22.5 | 27.7 | 100.8 | 179.1 | 209.2 | 174.1 | 88.8 | 23.4 | 21.8 | 22.0 | 69.5 |
| 124° | 21.6 | 27.3 | 93.5 | 168.7 | 199.6 | 163.8 | 82.2 | 22.4 | 21.3 | 21.5 | 63.3 |
| 125° | 21.3 | 26.6 | 86.5 | 158.6 | 187.9 | 153.9 | 75.3 | 22.2 | 20.7 | 21.3 | 57.7 |
| 126° | 20.8 | 26.1 | 80.0 | 149.6 | 177.9 | 144.5 | 69.0 | 21.5 | 20.1 | 21.3 | 52.3 |
| 127° | 20.4 | 25.6 | 73.3 | 139.9 | 167.2 | 135.5 | 62.8 | 21.4 | 19.6 | 20.8 | 47.4 |
| 128° | 20.1 | 24.9 | 67.2 | 131.2 | 157.7 | 126.9 | 57.2 | 21.5 | 18.7 | 20.3 | 42.0 |
| 129° | 19.7 | 24.2 | 60.9 | 122.4 | 147.2 | 117.1 | 51.7 | 20.5 | 18.2 | 19.4 | 36.9 |
| 130° | 19.2 | 23.9 | 55.6 | 113.4 | 138.8 | 109.3 | 46.6 | 20.0 | 17.3 | 19.1 | 32.5 |
| 131° | 18.7 | 23.4 | 50.0 | 105.2 | 128.2 | 100.8 | 41.1 | 19.3 | 16.8 | 18.7 | 27.7 |
| 132° | 18.2 | 22.9 | 44.6 | 96.6 | 120.3 | 93.2 | 36.5 | 19.0 | 16.1 | 18.2 | 23.8 |
| 133° | 17.9 | 22.5 | 39.9 | 89.3 | 110.2 | 85.1 | 31.9 | 18.5 | 15.4 | 17.7 | 19.9 |
| 134° | 17.5 | 21.8 | 34.8 | 81.3 | 101.7 | 77.3 | 27.3 | 18.3 | 14.9 | 17.2 | 17.2 |



TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 135° | 17.2 | 21.5 | 30.6 | 74.0 | 93.3 | 70.5 | 23.5 | 17.6 | 14.4 | 16.7 | 16.5 |
| 136° | 16.8 | 21.1 | 26.3 | 66.8 | 84.9 | 63.1 | 19.9 | 17.3 | 14.1 | 16.2 | 15.9 |
| 137° | 16.5 | 20.5 | 23.1 | 60.0 | 76.8 | 56.6 | 18.7 | 16.7 | 13.7 | 16.0 | 15.5 |
| 138° | 16.3 | 20.1 | 21.9 | 54.0 | 68.9 | 50.8 | 17.6 | 16.6 | 13.6 | 16.0 | 14.8 |
| 139° | 16.0 | 19.6 | 21.4 | 47.4 | 61.6 | 44.6 | 17.0 | 15.9 | 13.4 | 15.7 | 14.3 |
| 140° | 15.6 | 19.2 | 20.7 | 41.7 | 54.9 | 38.8 | 16.6 | 15.6 | 13.5 | 15.0 | 13.6 |
| 141° | 15.1 | 18.6 | 20.4 | 36.0 | 48.0 | 33.3 | 16.1 | 15.5 | 13.0 | 14.3 | 13.5 |
| 142° | 15.1 | 18.4 | 19.8 | 30.8 | 41.4 | 28.2 | 15.7 | 14.7 | 12.7 | 13.9 | 13.1 |
| 143° | 15.1 | 17.9 | 19.3 | 25.9 | 35.6 | 23.5 | 15.2 | 14.2 | 12.2 | 13.8 | 12.4 |
| 144° | 14.8 | 17.7 | 19.0 | 21.8 | 29.3 | 19.6 | 14.5 | 13.8 | 11.5 | 13.6 | 12.2 |
| 145° | 14.2 | 17.2 | 18.5 | 20.4 | 23.9 | 17.2 | 14.2 | 13.7 | 11.3 | 13.6 | 11.9 |
| 146° | 14.1 | 16.7 | 18.1 | 19.7 | 19.2 | 16.7 | 14.0 | 13.3 | 11.3 | 13.5 | 11.7 |
| 147° | 14.1 | 16.3 | 17.8 | 19.4 | 16.8 | 16.3 | 14.0 | 13.5 | 11.3 | 13.5 | 11.7 |
| 148° | 13.6 | 16.0 | 17.4 | 19.0 | 16.3 | 16.3 | 13.7 | 13.3 | 11.3 | 13.4 | 11.7 |
| 149° | 13.4 | 15.5 | 16.9 | 18.7 | 16.0 | 16.2 | 13.7 | 13.0 | 11.3 | 13.3 | 11.7 |
| 150° | 13.2 | 15.3 | 16.6 | 18.0 | 16.0 | 16.2 | 13.5 | 13.0 | 11.2 | 13.3 | 11.6 |
| 151° | 12.9 | 15.0 | 16.4 | 17.8 | 15.5 | 15.8 | 13.3 | 13.1 | 11.2 | 13.2 | 11.6 |
| 152° | 12.9 | 14.9 | 16.3 | 17.6 | 14.9 | 15.0 | 13.3 | 13.2 | 11.2 | 13.2 | 11.6 |
| 153° | 12.7 | 14.4 | 16.2 | 17.3 | 14.2 | 14.6 | 13.3 | 13.3 | 11.2 | 13.2 | 11.6 |
| 154° | 12.8 | 14.4 | 16.1 | 16.9 | 14.1 | 14.3 | 13.3 | 13.4 | 11.2 | 13.2 | 11.6 |
| 155° | 12.8 | 14.5 | 16.0 | 16.8 | 13.4 | 14.1 | 13.3 | 13.5 | 11.2 | 13.2 | 11.6 |
| 156° | 12.9 | 14.5 | 15.9 | 16.6 | 13.4 | 13.6 | 13.3 | 13.7 | 11.2 | 13.2 | 11.6 |
| 157° | 13.0 | 14.5 | 15.8 | 16.3 | 13.2 | 13.7 | 13.3 | 13.8 | 11.2 | 13.2 | 11.6 |
| 158° | 13.1 | 14.5 | 15.8 | 16.4 | 13.2 | 13.4 | 13.3 | 13.9 | 11.5 | 13.2 | 11.6 |
| 159° | 13.1 | 14.5 | 15.8 | 15.7 | 13.2 | 13.0 | 13.3 | 14.0 | 11.5 | 13.4 | 11.6 |
| 160° | 13.2 | 14.6 | 15.8 | 15.7 | 13.1 | 13.0 | 13.3 | 14.1 | 11.8 | 13.6 | 11.6 |
| 161° | 13.2 | 14.6 | 15.8 | 15.9 | 13.1 | 13.0 | 13.4 | 14.2 | 12.5 | 13.9 | 12.4 |
| 162° | 13.4 | 14.7 | 15.7 | 15.6 | 13.1 | 13.0 | 13.5 | 14.3 | 13.4 | 14.6 | 13.3 |
| 163° | 13.6 | 14.8 | 15.7 | 15.4 | 13.1 | 13.0 | 13.6 | 14.9 | 14.3 | 15.0 | 14.0 |
| 164° | 13.7 | 14.8 | 15.7 | 15.1 | 13.1 | 13.0 | 13.6 | 15.2 | 14.8 | 15.1 | 14.3 |
| 165° | 14.4 | 14.9 | 15.7 | 15.2 | 13.1 | 13.0 | 13.7 | 15.5 | 15.3 | 15.3 | 14.8 |
| 166° | 14.8 | 15.0 | 15.6 | 14.9 | 13.0 | 13.0 | 13.8 | 15.7 | 15.8 | 15.5 | 15.5 |
| 167° | 15.3 | 15.6 | 15.6 | 14.9 | 13.0 | 13.0 | 13.9 | 16.0 | 16.5 | 15.8 | 16.0 |
| 168° | 15.8 | 15.6 | 15.6 | 14.7 | 13.0 | 12.9 | 13.9 | 16.1 | 16.8 | 16.3 | 16.9 |
| 169° | 15.8 | 16.0 | 15.6 | 14.7 | 13.0 | 12.9 | 13.9 | 16.1 | 17.3 | 16.3 | 17.4 |
| 170° | 15.9 | 15.8 | 15.5 | 14.5 | 13.0 | 12.9 | 13.9 | 16.1 | 17.7 | 16.3 | 18.1 |
| 171° | 15.9 | 16.2 | 15.5 | 14.4 | 13.0 | 12.9 | 13.8 | 16.1 | 17.7 | 16.3 | 18.8 |
| 172° | 15.9 | 16.0 | 15.5 | 14.2 | 12.9 | 12.9 | 13.8 | 16.1 | 18.2 | 16.3 | 19.0 |
| 173° | 16.0 | 16.5 | 15.5 | 13.7 | 12.9 | 12.9 | 13.8 | 16.4 | 18.4 | 16.2 | 19.0 |
| 174° | 16.0 | 16.3 | 15.4 | 13.3 | 12.9 | 12.9 | 13.8 | 16.6 | 18.5 | 16.2 | 19.1 |
| 175° | 16.0 | 16.7 | 15.3 | 13.3 | 12.9 | 12.9 | 13.7 | 16.6 | 18.7 | 16.2 | 19.0 |
| 176° | 16.1 | 17.0 | 15.2 | 13.1 | 12.9 | 12.9 | 13.7 | 16.6 | 18.9 | 16.2 | 18.8 |
| 177° | 16.1 | 17.2 | 15.2 | 13.1 | 12.9 | 12.9 | 13.7 | 16.6 | 19.0 | 16.2 | 18.4 |
| 178° | 16.1 | 17.2 | 15.2 | 13.1 | 13.0 | 13.0 | 13.7 | 16.6 | 19.0 | 16.2 | 17.9 |
| 179° | 16.1 | 17.2 | 15.2 | 13.1 | 13.0 | 13.4 | 13.7 | 16.6 | 19.0 | 16.2 | 17.4 |



TEST NUMBER: P600961
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° | 202.5° | 225° |
|------|------|-------|------|-------|------|--------|------|--------|------|--------|------|
| 180° | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 |

TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-----|--------|--------|--------|--------|--------|--------|
| 0° | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 | 3371.7 |
| 1° | 3367.8 | 3367.4 | 3372.9 | 3371.5 | 3372.7 | 3371.5 |
| 2° | 3361.5 | 3367.0 | 3370.9 | 3369.0 | 3370.0 | 3370.0 |
| 3° | 3358.9 | 3358.5 | 3363.9 | 3363.5 | 3365.6 | 3365.4 |
| 4° | 3352.2 | 3356.8 | 3360.3 | 3361.3 | 3358.3 | 3360.7 |
| 5° | 3347.1 | 3350.1 | 3355.6 | 3359.7 | 3350.3 | 3354.4 |
| 6° | 3337.9 | 3340.2 | 3345.1 | 3345.5 | 3342.2 | 3348.7 |
| 7° | 3332.0 | 3328.0 | 3337.5 | 3338.6 | 3333.7 | 3335.3 |
| 8° | 3320.3 | 3319.9 | 3328.2 | 3333.3 | 3323.7 | 3323.9 |
| 9° | 3309.3 | 3311.1 | 3314.4 | 3322.1 | 3311.7 | 3314.2 |
| 10° | 3292.4 | 3297.5 | 3301.6 | 3309.5 | 3295.5 | 3302.2 |
| 11° | 3279.2 | 3286.7 | 3289.8 | 3295.9 | 3280.8 | 3287.3 |
| 12° | 3268.9 | 3268.2 | 3281.2 | 3281.5 | 3263.0 | 3276.2 |
| 13° | 3255.6 | 3255.8 | 3266.2 | 3271.1 | 3246.5 | 3259.1 |
| 14° | 3236.7 | 3239.0 | 3250.2 | 3253.8 | 3227.4 | 3237.2 |
| 15° | 3217.9 | 3224.4 | 3233.1 | 3235.9 | 3207.5 | 3217.2 |
| 16° | 3196.1 | 3202.0 | 3215.0 | 3215.8 | 3186.2 | 3194.1 |
| 17° | 3178.8 | 3183.3 | 3197.7 | 3196.5 | 3161.0 | 3171.9 |
| 18° | 3154.5 | 3159.1 | 3174.6 | 3172.5 | 3143.3 | 3147.9 |
| 19° | 3132.5 | 3138.2 | 3155.1 | 3148.6 | 3112.2 | 3122.3 |
| 20° | 3110.6 | 3116.3 | 3128.6 | 3128.0 | 3090.0 | 3098.0 |
| 21° | 3088.0 | 3095.9 | 3106.1 | 3097.6 | 3060.6 | 3065.7 |
| 22° | 3061.2 | 3073.2 | 3082.1 | 3078.7 | 3032.7 | 3036.6 |
| 23° | 3038.2 | 3049.0 | 3061.0 | 3047.0 | 3002.5 | 3009.4 |
| 24° | 3009.0 | 3022.6 | 3035.6 | 3017.1 | 2975.0 | 2977.5 |
| 25° | 2986.0 | 2997.0 | 3005.3 | 2983.8 | 2941.1 | 2942.7 |
| 26° | 2952.5 | 2972.2 | 2973.4 | 2956.3 | 2906.1 | 2909.6 |
| 27° | 2925.2 | 2943.5 | 2943.3 | 2923.8 | 2872.6 | 2879.3 |
| 28° | 2897.2 | 2916.1 | 2919.6 | 2891.3 | 2834.8 | 2842.9 |
| 29° | 2868.6 | 2888.1 | 2885.0 | 2858.2 | 2798.0 | 2806.6 |
| 30° | 2836.2 | 2857.0 | 2856.2 | 2821.8 | 2763.5 | 2770.4 |
| 31° | 2809.8 | 2827.3 | 2824.3 | 2788.3 | 2727.9 | 2730.8 |
| 32° | 2772.6 | 2793.6 | 2790.3 | 2748.5 | 2691.6 | 2690.8 |
| 33° | 2741.8 | 2763.1 | 2759.6 | 2712.5 | 2651.5 | 2649.7 |
| 34° | 2709.7 | 2730.8 | 2725.1 | 2677.7 | 2611.5 | 2611.3 |
| 35° | 2677.5 | 2698.5 | 2688.1 | 2643.0 | 2571.9 | 2571.3 |
| 36° | 2639.3 | 2666.0 | 2654.6 | 2602.8 | 2530.6 | 2530.4 |
| 37° | 2602.0 | 2631.8 | 2620.7 | 2564.2 | 2489.0 | 2489.4 |
| 38° | 2569.0 | 2599.9 | 2587.9 | 2524.3 | 2446.7 | 2444.3 |
| 39° | 2538.4 | 2569.4 | 2553.4 | 2480.9 | 2404.0 | 2396.3 |
| 40° | 2506.9 | 2533.1 | 2515.6 | 2444.3 | 2358.5 | 2351.8 |
| 41° | 2464.4 | 2500.8 | 2480.6 | 2404.0 | 2314.4 | 2305.9 |
| 42° | 2429.8 | 2459.9 | 2445.9 | 2363.8 | 2270.3 | 2262.6 |
| 43° | 2389.0 | 2423.5 | 2408.3 | 2319.9 | 2222.2 | 2217.9 |
| 44° | 2353.7 | 2389.0 | 2368.9 | 2275.2 | 2180.5 | 2170.6 |

TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|-----|--------|--------|--------|--------|--------|--------|
| 45° | 2315.4 | 2354.3 | 2331.9 | 2234.6 | 2134.0 | 2125.1 |
| 46° | 2280.5 | 2317.5 | 2291.9 | 2190.5 | 2082.6 | 2076.7 |
| 47° | 2243.3 | 2280.3 | 2254.7 | 2148.6 | 2039.3 | 2027.3 |
| 48° | 2204.7 | 2244.9 | 2213.4 | 2105.7 | 1991.6 | 1978.3 |
| 49° | 2163.7 | 2204.5 | 2173.2 | 2062.7 | 1944.2 | 1928.8 |
| 50° | 2125.1 | 2166.1 | 2130.3 | 2018.4 | 1897.5 | 1879.6 |
| 51° | 2088.5 | 2128.1 | 2091.7 | 1972.0 | 1848.4 | 1829.5 |
| 52° | 2042.8 | 2089.5 | 2049.7 | 1927.4 | 1798.0 | 1779.4 |
| 53° | 2002.7 | 2052.1 | 2011.1 | 1884.0 | 1750.0 | 1729.0 |
| 54° | 1962.8 | 2010.4 | 1966.4 | 1836.6 | 1701.1 | 1678.2 |
| 55° | 1922.8 | 1971.0 | 1927.2 | 1792.6 | 1651.8 | 1627.0 |
| 56° | 1880.5 | 1932.0 | 1884.6 | 1746.8 | 1604.9 | 1577.3 |
| 57° | 1839.5 | 1892.1 | 1843.0 | 1701.5 | 1554.6 | 1527.1 |
| 58° | 1795.8 | 1850.4 | 1799.3 | 1657.2 | 1504.8 | 1478.2 |
| 59° | 1754.1 | 1810.3 | 1755.3 | 1613.3 | 1455.8 | 1428.2 |
| 60° | 1708.4 | 1768.0 | 1714.0 | 1565.7 | 1406.4 | 1376.1 |
| 61° | 1664.8 | 1726.7 | 1669.4 | 1521.5 | 1355.7 | 1323.2 |
| 62° | 1621.0 | 1685.4 | 1625.2 | 1472.6 | 1308.9 | 1272.5 |
| 63° | 1577.9 | 1642.9 | 1580.8 | 1429.3 | 1260.4 | 1220.5 |
| 64° | 1535.5 | 1600.1 | 1537.3 | 1382.2 | 1210.1 | 1167.2 |
| 65° | 1489.4 | 1557.2 | 1494.2 | 1334.8 | 1161.0 | 1114.8 |
| 66° | 1448.9 | 1513.6 | 1448.3 | 1288.2 | 1112.1 | 1062.6 |
| 67° | 1403.9 | 1471.5 | 1403.0 | 1243.9 | 1063.5 | 1009.3 |
| 68° | 1361.6 | 1423.0 | 1361.3 | 1196.7 | 1012.0 | 956.3 |
| 69° | 1318.6 | 1381.0 | 1315.8 | 1151.0 | 963.3 | 903.4 |
| 70° | 1273.9 | 1337.1 | 1272.5 | 1106.2 | 917.0 | 850.1 |
| 71° | 1229.3 | 1291.5 | 1227.7 | 1059.1 | 866.3 | 796.9 |
| 72° | 1187.7 | 1249.3 | 1184.8 | 1014.9 | 819.0 | 745.4 |
| 73° | 1143.1 | 1201.9 | 1138.4 | 967.9 | 771.0 | 694.6 |
| 74° | 1097.2 | 1159.6 | 1094.9 | 922.2 | 725.5 | 641.2 |
| 75° | 1053.7 | 1114.0 | 1051.5 | 877.9 | 678.0 | 590.3 |
| 76° | 1006.9 | 1068.1 | 1008.4 | 833.4 | 631.2 | 538.0 |
| 77° | 963.3 | 1021.6 | 965.3 | 790.2 | 587.2 | 488.2 |
| 78° | 921.9 | 975.3 | 920.6 | 749.5 | 542.5 | 438.3 |
| 79° | 880.7 | 932.3 | 879.2 | 707.1 | 500.7 | 391.1 |
| 80° | 841.3 | 888.9 | 837.6 | 667.4 | 459.0 | 344.4 |
| 81° | 801.9 | 846.5 | 796.2 | 628.9 | 419.2 | 299.7 |
| 82° | 764.3 | 806.6 | 758.2 | 591.0 | 381.6 | 256.2 |
| 83° | 729.2 | 769.3 | 718.9 | 555.8 | 345.6 | 216.4 |
| 84° | 695.2 | 733.7 | 683.1 | 520.3 | 311.0 | 178.5 |
| 85° | 663.4 | 699.8 | 649.8 | 488.4 | 277.8 | 143.5 |
| 86° | 634.8 | 671.7 | 620.3 | 460.8 | 250.0 | 112.1 |
| 87° | 607.6 | 645.6 | 594.5 | 434.4 | 224.8 | 86.3 |
| 88° | 586.2 | 622.8 | 572.4 | 413.1 | 204.6 | 66.2 |
| 89° | 568.4 | 604.5 | 554.0 | 395.2 | 187.1 | 50.8 |



TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|------|--------|-------|--------|-------|--------|------|
| 90° | 552.1 | 587.3 | 536.8 | 379.3 | 174.0 | 42.8 |
| 91° | 535.3 | 569.9 | 519.8 | 365.8 | 163.7 | 40.7 |
| 92° | 519.8 | 552.5 | 502.8 | 352.3 | 153.2 | 39.6 |
| 93° | 503.4 | 535.8 | 487.3 | 338.5 | 144.5 | 38.4 |
| 94° | 487.6 | 519.7 | 471.7 | 324.2 | 136.6 | 37.8 |
| 95° | 470.8 | 503.9 | 456.5 | 311.3 | 128.4 | 37.1 |
| 96° | 455.7 | 489.7 | 442.4 | 299.3 | 119.9 | 36.4 |
| 97° | 439.8 | 474.4 | 427.9 | 288.3 | 112.8 | 35.5 |
| 98° | 425.6 | 460.2 | 413.7 | 277.3 | 105.8 | 35.0 |
| 99° | 410.5 | 446.3 | 399.6 | 266.4 | 99.0 | 34.5 |
| 100° | 396.4 | 432.6 | 385.6 | 255.3 | 93.1 | 34.0 |
| 101° | 383.2 | 418.3 | 371.8 | 243.7 | 87.5 | 33.5 |
| 102° | 368.1 | 406.3 | 358.6 | 233.6 | 81.9 | 32.9 |
| 103° | 355.1 | 392.9 | 346.6 | 223.8 | 76.4 | 32.6 |
| 104° | 340.8 | 380.4 | 335.0 | 213.4 | 71.4 | 32.1 |
| 105° | 327.8 | 367.8 | 323.4 | 203.6 | 66.6 | 31.3 |
| 106° | 315.4 | 355.5 | 311.2 | 193.5 | 61.8 | 31.1 |
| 107° | 302.6 | 343.1 | 298.2 | 184.3 | 57.7 | 30.9 |
| 108° | 290.2 | 330.1 | 285.4 | 174.8 | 54.3 | 30.2 |
| 109° | 278.4 | 316.9 | 273.9 | 166.2 | 50.4 | 29.5 |
| 110° | 265.4 | 304.7 | 262.4 | 157.9 | 46.6 | 29.0 |
| 111° | 254.6 | 292.6 | 250.9 | 149.7 | 43.5 | 28.7 |
| 112° | 243.3 | 279.9 | 239.9 | 141.8 | 39.9 | 28.3 |
| 113° | 232.6 | 268.5 | 229.4 | 133.9 | 37.0 | 28.0 |
| 114° | 221.9 | 256.0 | 218.8 | 126.4 | 34.5 | 27.3 |
| 115° | 211.6 | 244.4 | 208.6 | 118.8 | 31.9 | 26.6 |
| 116° | 200.9 | 233.6 | 198.5 | 111.9 | 30.2 | 26.3 |
| 117° | 191.8 | 222.8 | 187.9 | 104.7 | 29.7 | 25.9 |
| 118° | 181.2 | 212.4 | 178.0 | 98.0 | 29.2 | 25.4 |
| 119° | 171.4 | 201.8 | 168.6 | 91.4 | 28.9 | 24.9 |
| 120° | 162.3 | 191.4 | 159.3 | 84.9 | 28.3 | 24.5 |
| 121° | 152.3 | 181.3 | 150.4 | 78.8 | 27.8 | 23.9 |
| 122° | 144.1 | 171.6 | 141.7 | 72.6 | 27.7 | 23.3 |
| 123° | 134.9 | 162.1 | 132.7 | 66.8 | 27.0 | 22.5 |
| 124° | 126.7 | 152.5 | 124.4 | 60.9 | 26.6 | 21.6 |
| 125° | 118.7 | 143.6 | 116.4 | 56.0 | 26.3 | 21.3 |
| 126° | 110.0 | 134.6 | 108.2 | 50.7 | 25.6 | 20.8 |
| 127° | 102.0 | 125.8 | 100.2 | 45.6 | 25.3 | 20.4 |
| 128° | 94.5 | 117.0 | 92.8 | 40.8 | 24.6 | 20.1 |
| 129° | 86.1 | 108.5 | 85.3 | 36.3 | 24.1 | 19.7 |
| 130° | 79.6 | 100.1 | 77.7 | 32.1 | 23.4 | 19.2 |
| 131° | 72.0 | 92.3 | 70.8 | 28.2 | 22.9 | 18.7 |
| 132° | 64.8 | 84.5 | 63.8 | 24.8 | 22.2 | 18.2 |
| 133° | 58.3 | 77.2 | 57.9 | 23.0 | 21.8 | 17.9 |
| 134° | 52.4 | 69.5 | 51.9 | 22.2 | 21.2 | 17.5 |



TEST NUMBER: P600961

CATALOG NUMBER: 8APVTLTD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
|------|--------|------|--------|------|--------|------|
| 135° | 46.3 | 62.8 | 45.9 | 21.6 | 20.8 | 17.2 |
| 136° | 40.3 | 56.5 | 40.3 | 21.3 | 20.2 | 16.8 |
| 137° | 34.8 | 50.1 | 35.0 | 20.8 | 19.8 | 16.5 |
| 138° | 29.4 | 44.1 | 30.1 | 20.2 | 19.3 | 16.3 |
| 139° | 24.3 | 38.2 | 25.3 | 19.6 | 18.6 | 16.0 |
| 140° | 19.6 | 32.8 | 21.3 | 19.2 | 18.1 | 15.6 |
| 141° | 16.2 | 27.5 | 19.3 | 18.7 | 17.8 | 15.1 |
| 142° | 15.2 | 22.8 | 18.9 | 18.3 | 17.4 | 15.1 |
| 143° | 14.9 | 19.5 | 18.4 | 18.0 | 16.9 | 15.1 |
| 144° | 14.2 | 18.4 | 18.1 | 17.5 | 16.6 | 14.8 |
| 145° | 14.0 | 17.9 | 17.9 | 16.8 | 16.1 | 14.2 |
| 146° | 13.5 | 17.5 | 17.4 | 16.6 | 15.9 | 14.1 |
| 147° | 13.5 | 17.2 | 17.0 | 15.7 | 15.5 | 14.1 |
| 148° | 13.3 | 16.7 | 16.7 | 15.6 | 15.2 | 13.6 |
| 149° | 13.0 | 16.5 | 16.5 | 15.2 | 15.0 | 13.4 |
| 150° | 12.8 | 16.0 | 16.3 | 15.1 | 14.5 | 13.2 |
| 151° | 12.0 | 15.6 | 16.0 | 14.9 | 14.5 | 12.9 |
| 152° | 11.6 | 15.3 | 15.6 | 14.5 | 14.0 | 12.9 |
| 153° | 11.1 | 14.9 | 15.3 | 14.4 | 13.7 | 12.7 |
| 154° | 10.6 | 14.8 | 15.3 | 14.4 | 13.7 | 12.8 |
| 155° | 10.7 | 14.4 | 14.9 | 14.4 | 13.7 | 12.8 |
| 156° | 10.8 | 14.3 | 14.6 | 14.4 | 13.7 | 12.9 |
| 157° | 11.0 | 14.1 | 14.5 | 14.4 | 13.8 | 13.0 |
| 158° | 11.1 | 14.0 | 14.4 | 14.4 | 13.8 | 13.1 |
| 159° | 11.2 | 13.9 | 14.4 | 14.4 | 13.8 | 13.1 |
| 160° | 11.3 | 13.7 | 14.3 | 14.4 | 13.8 | 13.2 |
| 161° | 11.5 | 13.6 | 14.2 | 14.4 | 14.0 | 13.2 |
| 162° | 11.6 | 13.4 | 14.1 | 14.4 | 14.4 | 13.4 |
| 163° | 11.9 | 13.2 | 13.9 | 14.4 | 14.9 | 13.6 |
| 164° | 12.1 | 13.2 | 13.9 | 14.4 | 15.5 | 13.7 |
| 165° | 12.5 | 13.0 | 13.9 | 14.4 | 15.7 | 14.4 |
| 166° | 12.8 | 12.9 | 13.9 | 14.4 | 16.2 | 14.8 |
| 167° | 13.0 | 12.9 | 13.8 | 14.4 | 16.9 | 15.3 |
| 168° | 13.1 | 12.7 | 13.8 | 14.5 | 17.3 | 15.8 |
| 169° | 13.3 | 12.9 | 13.8 | 14.5 | 18.1 | 15.8 |
| 170° | 13.5 | 12.7 | 13.8 | 14.5 | 18.5 | 15.9 |
| 171° | 13.7 | 12.7 | 13.8 | 14.7 | 18.6 | 15.9 |
| 172° | 14.4 | 12.6 | 13.8 | 15.6 | 18.8 | 15.9 |
| 173° | 15.0 | 12.6 | 13.8 | 16.1 | 18.8 | 16.0 |
| 174° | 15.4 | 12.6 | 13.8 | 16.3 | 19.0 | 16.0 |
| 175° | 15.2 | 12.6 | 13.7 | 16.6 | 18.8 | 16.0 |
| 176° | 15.2 | 12.5 | 13.7 | 16.8 | 18.8 | 16.1 |
| 177° | 15.2 | 12.5 | 13.7 | 17.0 | 18.8 | 16.1 |
| 178° | 15.2 | 12.3 | 13.7 | 16.8 | 18.8 | 16.1 |
| 179° | 15.2 | 13.2 | 13.7 | 16.8 | 19.1 | 16.1 |



TEST NUMBER: P600961
CATALOG NUMBER: 8APVTLD-SL3C3 HI POWER 4000K 120V

CANDELA DISTRIBUTION (continued):

| | | | | | | |
|------|--------|------|--------|------|--------|------|
| | 247.5° | 270° | 292.5° | 315° | 337.5° | 360° |
| 180° | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 | 16.1 |

(END OF REPORT)