

Scaled data based on original data using  
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact  
Fluorescent Lamps

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: SHAPER

Report Number: 253P251

Luminaire Tested: **1250-XX-44-CFL/4/70-T5C/1/40**

Issue Date: 3/3/2020

**Test Information**

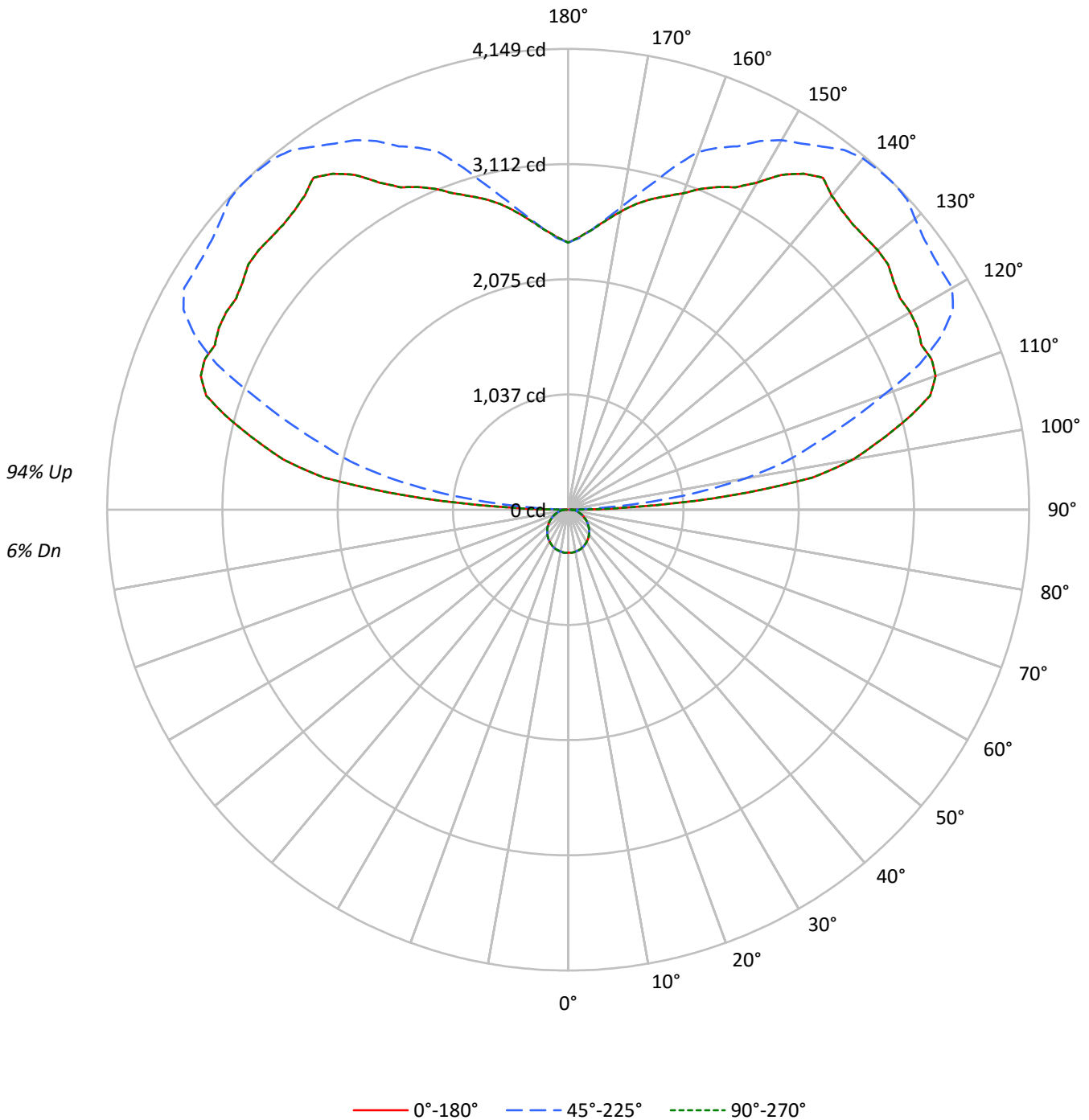
Test Method: LM-66-11  
Report Number: 253P251  
Test Lab: METALUX LABORATORIES  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 1250-XX-44-CFL/4/70-T5C/1/40  
Description: SHAPER 44 INCH 1250 SERIES DIRECT/INDIRECT INDOOR PENDANT FIXTURE  
WITH SHALLOW BOWL  
Light Source: FOUR 70 WATT COMPACT FLUORESCENT LAMP AND ONE 40 WATTS T5 CIRCLINE  
(4)F70BX/840 - 5200 LUMENS AND (1)TL5C40W/830 - 3300 LUMENS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 24100 (1 lamp)  
Luminaire Lumens: 20246.4 lumens  
Efficiency: 84.0%  
Efficacy: 470.8 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.4  
Luminous Opening: Vertical Cylinder (Dia: 3.67' x H: 0.69')  
CIE Type: Indirect  
  
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

TEST NUMBER: 253P251  
CATALOG NUMBER: 1250-XX-44-CFL/4/70-T5C/1/40

### Luminous Intensity Polar Plot





TEST NUMBER: 253P251

CATALOG NUMBER: 1250-XX-44-CFL/4/70-T5C/1/40

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

|     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| RF  | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |    |    |    | 20 |   |
| RC  | 80 |    |    |    | 70 |    |    |    | 50 |    |    |    | 30 |    |    |    | 10 | 0 |
| RW  | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
| 0   | 81 | 81 | 81 | 81 | 70 | 70 | 70 | 70 | 49 | 49 | 49 | 31 | 31 | 31 | 13 | 13 | 13 | 5 |
| 1   | 74 | 70 | 67 | 65 | 64 | 61 | 58 | 56 | 43 | 41 | 40 | 27 | 26 | 25 | 11 | 11 | 11 | 4 |
| 2   | 67 | 61 | 57 | 52 | 58 | 53 | 49 | 46 | 38 | 35 | 33 | 23 | 22 | 21 | 10 | 10 | 9  | 3 |
| 3   | 61 | 54 | 48 | 44 | 52 | 47 | 42 | 38 | 33 | 30 | 28 | 20 | 19 | 17 | 9  | 8  | 8  | 3 |
| 4   | 56 | 47 | 41 | 37 | 48 | 41 | 36 | 32 | 29 | 26 | 23 | 18 | 16 | 15 | 8  | 7  | 7  | 2 |
| 5   | 51 | 42 | 36 | 31 | 44 | 36 | 31 | 27 | 26 | 22 | 20 | 16 | 14 | 13 | 7  | 6  | 6  | 2 |
| 6   | 47 | 37 | 31 | 26 | 40 | 32 | 27 | 23 | 23 | 20 | 17 | 14 | 12 | 11 | 6  | 5  | 5  | 2 |
| 7   | 43 | 33 | 27 | 23 | 37 | 29 | 24 | 20 | 21 | 17 | 15 | 13 | 11 | 9  | 6  | 5  | 4  | 2 |
| 8   | 40 | 30 | 24 | 20 | 34 | 26 | 21 | 18 | 19 | 15 | 13 | 12 | 10 | 8  | 5  | 4  | 4  | 1 |
| 9   | 37 | 27 | 21 | 17 | 32 | 24 | 19 | 15 | 17 | 14 | 11 | 11 | 9  | 7  | 5  | 4  | 3  | 1 |
| 10  | 34 | 25 | 19 | 15 | 29 | 22 | 17 | 14 | 16 | 12 | 10 | 10 | 8  | 6  | 4  | 4  | 3  | 1 |

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

|     | 0°  | 45° | 90° |
|-----|-----|-----|-----|
| 0°  | 396 | 396 | 396 |
| 5°  | 389 | 389 | 389 |
| 10° | 380 | 380 | 380 |
| 15° | 373 | 373 | 373 |
| 20° | 364 | 364 | 364 |
| 25° | 355 | 355 | 355 |
| 30° | 344 | 344 | 344 |
| 35° | 335 | 335 | 335 |
| 40° | 323 | 323 | 323 |
| 45° | 311 | 311 | 311 |
| 50° | 298 | 298 | 298 |
| 55° | 282 | 282 | 282 |
| 60° | 265 | 265 | 265 |
| 65° | 249 | 249 | 249 |
| 70° | 232 | 232 | 232 |
| 75° | 215 | 215 | 215 |
| 80° | 200 | 200 | 200 |
| 85° | 185 | 185 | 185 |



TEST NUMBER: 253P251

CATALOG NUMBER: 1250-XX-44-CFL/4/70-T5C/1/40

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10°    | 36.9    | 0.2       | 0.2    |
| 10°-20°   | 106.1   | 0.5       | 0.4    |
| 20°-30°   | 161.6   | 0.8       | 0.7    |
| 30°-40°   | 196.3   | 1.0       | 0.8    |
| 40°-50°   | 205.9   | 1.0       | 0.9    |
| 50°-60°   | 190.3   | 0.9       | 0.8    |
| 60°-70°   | 154.6   | 0.8       | 0.6    |
| 70°-80°   | 109.4   | 0.5       | 0.5    |
| 80°-90°   | 59.9    | 0.3       | 0.2    |
| 90°-100°  | 1021.0  | 5.0       | 4.2    |
| 100°-110° | 2704.7  | 13.4      | 11.2   |
| 110°-120° | 3502.3  | 17.3      | 14.5   |
| 120°-130° | 3512.3  | 17.3      | 14.6   |
| 130°-140° | 3105.6  | 15.3      | 12.9   |
| 140°-150° | 2460.1  | 12.2      | 10.2   |
| 150°-160° | 1614.7  | 8.0       | 6.7    |
| 160°-170° | 856.5   | 4.2       | 3.6    |
| 170°-180° | 248.4   | 1.2       | 1.0    |
| 0°-30°    | 304.5   | 1.5       | 1.3    |
| 0°-40°    | 500.8   | 2.5       | 2.1    |
| 0°-60°    | 896.9   | 4.4       | 3.7    |
| 0°-90°    | 1220.9  | 6.0       | 5.1    |
| 90°-120°  | 7227.9  | 35.7      | 30.0   |
| 90°-150°  | 16305.9 | 80.5      | 67.7   |
| 90°-180°  | 19025.0 | 94.0      | 78.9   |
| 0°-180°   | 20246.4 | 100.0     | 84.0   |

**CANDELA DISTRIBUTION:**

|      | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|------|------|-------|------|-------|------|------|
| 0°   | 388  | 388   | 388  | 388   | 388  |      |
| 5°   | 388  | 388   | 388  | 388   | 388  | 37   |
| 15°  | 376  | 376   | 376  | 376   | 376  | 106  |
| 25°  | 351  | 351   | 351  | 351   | 351  | 162  |
| 35°  | 314  | 314   | 314  | 314   | 314  | 196  |
| 45°  | 267  | 267   | 267  | 267   | 267  | 206  |
| 55°  | 213  | 213   | 213  | 213   | 213  | 190  |
| 65°  | 156  | 156   | 156  | 156   | 156  | 155  |
| 75°  | 103  | 103   | 103  | 103   | 103  | 109  |
| 85°  | 59   | 59    | 59   | 59    | 59   | 53   |
| 90°  | 5    | 4     | 3    | 4     | 5    | 95   |
| 95°  | 1477 | 766   | 653  | 915   | 1477 | 1446 |
| 105° | 3158 | 2396  | 2305 | 2432  | 3158 | 3304 |
| 115° | 3509 | 3492  | 3706 | 3542  | 3509 | 3506 |
| 125° | 3575 | 3990  | 4002 | 4088  | 3575 | 3216 |
| 135° | 3628 | 4024  | 4149 | 4178  | 3628 | 2820 |
| 145° | 3693 | 3932  | 3990 | 4114  | 3693 | 2294 |
| 155° | 3205 | 3492  | 3610 | 3632  | 3205 | 1488 |
| 165° | 2895 | 2980  | 3067 | 3022  | 2895 | 823  |
| 175° | 2535 | 2528  | 2535 | 2532  | 2535 | 248  |
| 180° | 2404 | 2404  | 2404 | 2404  | 2404 |      |



TEST NUMBER: 253P251

CATALOG NUMBER: 1250-XX-44-CFL/4/70-T5C/1/40

**CANDELA DISTRIBUTION (FULL):**

|        | 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 0°     | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  |
| 2.5°   | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  |
| 5°     | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  |
| 7.5°   | 386  | 386  | 386  | 386  | 386  | 386  | 386  | 386  | 386  | 386  | 386  |
| 10°    | 383  | 383  | 383  | 383  | 383  | 383  | 383  | 383  | 383  | 383  | 383  |
| 12.5°  | 380  | 380  | 380  | 380  | 380  | 380  | 380  | 380  | 380  | 380  | 380  |
| 15°    | 376  | 376  | 376  | 376  | 376  | 376  | 376  | 376  | 376  | 376  | 376  |
| 17.5°  | 371  | 371  | 371  | 371  | 371  | 371  | 371  | 371  | 371  | 371  | 371  |
| 20°    | 365  | 365  | 365  | 365  | 365  | 365  | 365  | 365  | 365  | 365  | 365  |
| 22.5°  | 358  | 358  | 358  | 358  | 358  | 358  | 358  | 358  | 358  | 358  | 358  |
| 25°    | 351  | 351  | 351  | 351  | 351  | 351  | 351  | 351  | 351  | 351  | 351  |
| 27.5°  | 342  | 342  | 342  | 342  | 342  | 342  | 342  | 342  | 342  | 342  | 342  |
| 30°    | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 333  |
| 32.5°  | 324  | 324  | 324  | 324  | 324  | 324  | 324  | 324  | 324  | 324  | 324  |
| 35°    | 314  | 314  | 314  | 314  | 314  | 314  | 314  | 314  | 314  | 314  | 314  |
| 37.5°  | 303  | 303  | 303  | 303  | 303  | 303  | 303  | 303  | 303  | 303  | 303  |
| 40°    | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  |
| 42.5°  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  |
| 45°    | 267  | 267  | 267  | 267  | 267  | 267  | 267  | 267  | 267  | 267  | 267  |
| 47.5°  | 254  | 254  | 254  | 254  | 254  | 254  | 254  | 254  | 254  | 254  | 254  |
| 50°    | 241  | 241  | 241  | 241  | 241  | 241  | 241  | 241  | 241  | 241  | 241  |
| 52.5°  | 227  | 227  | 227  | 227  | 227  | 227  | 227  | 227  | 227  | 227  | 227  |
| 55°    | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 213  |
| 57.5°  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 198  |
| 60°    | 184  | 184  | 184  | 184  | 184  | 184  | 184  | 184  | 184  | 184  | 184  |
| 62.5°  | 170  | 170  | 170  | 170  | 170  | 170  | 170  | 170  | 170  | 170  | 170  |
| 65°    | 156  | 156  | 156  | 156  | 156  | 156  | 156  | 156  | 156  | 156  | 156  |
| 67.5°  | 142  | 142  | 142  | 142  | 142  | 142  | 142  | 142  | 142  | 142  | 142  |
| 70°    | 129  | 129  | 129  | 129  | 129  | 129  | 129  | 129  | 129  | 129  | 129  |
| 72.5°  | 116  | 116  | 116  | 116  | 116  | 116  | 116  | 116  | 116  | 116  | 116  |
| 75°    | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  |
| 77.5°  | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   |
| 80°    | 80   | 80   | 80   | 80   | 80   | 80   | 80   | 80   | 80   | 80   | 80   |
| 82.5°  | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   |
| 85°    | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   |
| 87.5°  | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   |
| 90°    | 5    | 5    | 5    | 4    | 4    | 4    | 4    | 3    | 3    | 3    | 3    |
| 92.5°  | 636  | 530  | 424  | 317  | 211  | 160  | 164  | 169  | 173  | 177  | 194  |
| 95°    | 1477 | 1311 | 1144 | 978  | 811  | 720  | 703  | 686  | 670  | 653  | 707  |
| 97.5°  | 2218 | 1999 | 1780 | 1561 | 1342 | 1223 | 1205 | 1188 | 1170 | 1152 | 1222 |
| 100°   | 2603 | 2400 | 2198 | 1995 | 1792 | 1682 | 1665 | 1648 | 1631 | 1614 | 1692 |
| 102.5° | 2872 | 2701 | 2530 | 2359 | 2188 | 2092 | 2071 | 2050 | 2029 | 2008 | 2052 |
| 105°   | 3158 | 2979 | 2801 | 2622 | 2443 | 2349 | 2338 | 2327 | 2316 | 2305 | 2325 |
| 107.5° | 3416 | 3237 | 3058 | 2879 | 2700 | 2615 | 2626 | 2637 | 2647 | 2658 | 2661 |
| 110°   | 3519 | 3390 | 3262 | 3133 | 3004 | 2949 | 2967 | 2985 | 3003 | 3021 | 3019 |



TEST NUMBER: 253P251

CATALOG NUMBER: 1250-XX-44-CFL/4/70-T5C/1/40

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 3540 | 3470 | 3400 | 3331 | 3261 | 3248 | 3292 | 3336 | 3380 | 3424 | 3402 |
| 115°   | 3509 | 3502 | 3495 | 3488 | 3481 | 3503 | 3554 | 3605 | 3655 | 3706 | 3668 |
| 117.5° | 3545 | 3581 | 3617 | 3654 | 3690 | 3730 | 3773 | 3817 | 3860 | 3904 | 3865 |
| 120°   | 3555 | 3622 | 3689 | 3756 | 3823 | 3872 | 3902 | 3931 | 3961 | 3991 | 3966 |
| 122.5° | 3543 | 3635 | 3727 | 3818 | 3910 | 3960 | 3967 | 3975 | 3982 | 3990 | 3996 |
| 125°   | 3575 | 3673 | 3771 | 3868 | 3966 | 4014 | 4011 | 4008 | 4005 | 4002 | 4030 |
| 127.5° | 3629 | 3721 | 3813 | 3906 | 3998 | 4042 | 4039 | 4035 | 4032 | 4028 | 4054 |
| 130°   | 3636 | 3732 | 3828 | 3924 | 4020 | 4069 | 4070 | 4072 | 4073 | 4075 | 4097 |
| 132.5° | 3627 | 3723 | 3819 | 3914 | 4010 | 4067 | 4084 | 4101 | 4119 | 4136 | 4148 |
| 135°   | 3628 | 3720 | 3812 | 3903 | 3995 | 4053 | 4077 | 4101 | 4125 | 4149 | 4163 |
| 137.5° | 3649 | 3732 | 3816 | 3899 | 3982 | 4037 | 4063 | 4088 | 4114 | 4140 | 4175 |
| 140°   | 3690 | 3774 | 3858 | 3943 | 4027 | 4076 | 4089 | 4102 | 4115 | 4128 | 4155 |
| 142.5° | 3767 | 3827 | 3886 | 3946 | 4005 | 4040 | 4051 | 4061 | 4072 | 4082 | 4113 |
| 145°   | 3693 | 3749 | 3804 | 3860 | 3915 | 3948 | 3959 | 3969 | 3980 | 3990 | 4025 |
| 147.5° | 3574 | 3621 | 3668 | 3715 | 3762 | 3799 | 3826 | 3853 | 3881 | 3908 | 3926 |
| 150°   | 3400 | 3471 | 3542 | 3613 | 3684 | 3733 | 3760 | 3787 | 3814 | 3841 | 3820 |
| 152.5° | 3271 | 3349 | 3427 | 3505 | 3583 | 3635 | 3662 | 3689 | 3715 | 3742 | 3726 |
| 155°   | 3205 | 3271 | 3337 | 3403 | 3469 | 3514 | 3538 | 3562 | 3586 | 3610 | 3621 |
| 157.5° | 3127 | 3181 | 3236 | 3290 | 3345 | 3389 | 3424 | 3458 | 3493 | 3527 | 3515 |
| 160°   | 3031 | 3074 | 3117 | 3160 | 3203 | 3248 | 3293 | 3338 | 3383 | 3428 | 3402 |
| 162.5° | 2961 | 2991 | 3021 | 3052 | 3082 | 3114 | 3149 | 3184 | 3218 | 3253 | 3243 |
| 165°   | 2895 | 2914 | 2933 | 2952 | 2971 | 2990 | 3009 | 3028 | 3048 | 3067 | 3058 |
| 167.5° | 2819 | 2828 | 2836 | 2845 | 2854 | 2864 | 2875 | 2886 | 2898 | 2909 | 2900 |
| 170°   | 2725 | 2729 | 2733 | 2737 | 2741 | 2746 | 2751 | 2756 | 2762 | 2767 | 2762 |
| 172.5° | 2629 | 2629 | 2629 | 2629 | 2629 | 2630 | 2633 | 2636 | 2639 | 2642 | 2640 |
| 175°   | 2535 | 2533 | 2531 | 2530 | 2528 | 2528 | 2530 | 2531 | 2533 | 2535 | 2534 |
| 177.5° | 2459 | 2456 | 2452 | 2449 | 2446 | 2445 | 2446 | 2448 | 2449 | 2451 | 2449 |
| 180°   | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 |



TEST NUMBER: 253P251

CATALOG NUMBER: 1250-XX-44-CFL/4/70-T5C/1/40

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  |
|--------|------|------|------|------|------|------|------|------|
| 0°     | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  |
| 2.5°   | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  |
| 5°     | 388  | 388  | 388  | 388  | 388  | 388  | 388  | 388  |
| 7.5°   | 386  | 386  | 386  | 386  | 386  | 386  | 386  | 386  |
| 10°    | 383  | 383  | 383  | 383  | 383  | 383  | 383  | 383  |
| 12.5°  | 380  | 380  | 380  | 380  | 380  | 380  | 380  | 380  |
| 15°    | 376  | 376  | 376  | 376  | 376  | 376  | 376  | 376  |
| 17.5°  | 371  | 371  | 371  | 371  | 371  | 371  | 371  | 371  |
| 20°    | 365  | 365  | 365  | 365  | 365  | 365  | 365  | 365  |
| 22.5°  | 358  | 358  | 358  | 358  | 358  | 358  | 358  | 358  |
| 25°    | 351  | 351  | 351  | 351  | 351  | 351  | 351  | 351  |
| 27.5°  | 342  | 342  | 342  | 342  | 342  | 342  | 342  | 342  |
| 30°    | 333  | 333  | 333  | 333  | 333  | 333  | 333  | 333  |
| 32.5°  | 324  | 324  | 324  | 324  | 324  | 324  | 324  | 324  |
| 35°    | 314  | 314  | 314  | 314  | 314  | 314  | 314  | 314  |
| 37.5°  | 303  | 303  | 303  | 303  | 303  | 303  | 303  | 303  |
| 40°    | 291  | 291  | 291  | 291  | 291  | 291  | 291  | 291  |
| 42.5°  | 279  | 279  | 279  | 279  | 279  | 279  | 279  | 279  |
| 45°    | 267  | 267  | 267  | 267  | 267  | 267  | 267  | 267  |
| 47.5°  | 254  | 254  | 254  | 254  | 254  | 254  | 254  | 254  |
| 50°    | 241  | 241  | 241  | 241  | 241  | 241  | 241  | 241  |
| 52.5°  | 227  | 227  | 227  | 227  | 227  | 227  | 227  | 227  |
| 55°    | 213  | 213  | 213  | 213  | 213  | 213  | 213  | 213  |
| 57.5°  | 198  | 198  | 198  | 198  | 198  | 198  | 198  | 198  |
| 60°    | 184  | 184  | 184  | 184  | 184  | 184  | 184  | 184  |
| 62.5°  | 170  | 170  | 170  | 170  | 170  | 170  | 170  | 170  |
| 65°    | 156  | 156  | 156  | 156  | 156  | 156  | 156  | 156  |
| 67.5°  | 142  | 142  | 142  | 142  | 142  | 142  | 142  | 142  |
| 70°    | 129  | 129  | 129  | 129  | 129  | 129  | 129  | 129  |
| 72.5°  | 116  | 116  | 116  | 116  | 116  | 116  | 116  | 116  |
| 75°    | 103  | 103  | 103  | 103  | 103  | 103  | 103  | 103  |
| 77.5°  | 91   | 91   | 91   | 91   | 91   | 91   | 91   | 91   |
| 80°    | 80   | 80   | 80   | 80   | 80   | 80   | 80   | 80   |
| 82.5°  | 69   | 69   | 69   | 69   | 69   | 69   | 69   | 69   |
| 85°    | 59   | 59   | 59   | 59   | 59   | 59   | 59   | 59   |
| 87.5°  | 50   | 50   | 50   | 50   | 50   | 50   | 50   | 50   |
| 90°    | 3    | 4    | 4    | 4    | 4    | 5    | 5    | 5    |
| 92.5°  | 210  | 227  | 244  | 295  | 380  | 465  | 551  | 636  |
| 95°    | 761  | 815  | 869  | 961  | 1090 | 1219 | 1348 | 1477 |
| 97.5°  | 1292 | 1362 | 1432 | 1550 | 1717 | 1884 | 2051 | 2218 |
| 100°   | 1769 | 1847 | 1924 | 2034 | 2176 | 2319 | 2461 | 2603 |
| 102.5° | 2096 | 2141 | 2185 | 2281 | 2429 | 2576 | 2724 | 2872 |
| 105°   | 2345 | 2364 | 2384 | 2479 | 2649 | 2818 | 2988 | 3158 |
| 107.5° | 2665 | 2668 | 2671 | 2756 | 2921 | 3086 | 3251 | 3416 |
| 110°   | 3017 | 3014 | 3012 | 3067 | 3180 | 3293 | 3406 | 3519 |





TEST NUMBER: 253P251

CATALOG NUMBER: 1250-XX-44-CFL/4/70-T5C/1/40

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  | 90°  |
|--------|------|------|------|------|------|------|------|------|
| 112.5° | 3379 | 3357 | 3334 | 3347 | 3395 | 3444 | 3492 | 3540 |
| 115°   | 3630 | 3591 | 3553 | 3531 | 3526 | 3520 | 3515 | 3509 |
| 117.5° | 3827 | 3788 | 3749 | 3709 | 3668 | 3627 | 3586 | 3545 |
| 120°   | 3942 | 3917 | 3892 | 3844 | 3772 | 3699 | 3627 | 3555 |
| 122.5° | 4002 | 4009 | 4015 | 3965 | 3860 | 3754 | 3649 | 3543 |
| 125°   | 4057 | 4085 | 4112 | 4065 | 3942 | 3820 | 3697 | 3575 |
| 127.5° | 4080 | 4105 | 4131 | 4087 | 3972 | 3858 | 3743 | 3629 |
| 130°   | 4119 | 4140 | 4162 | 4113 | 3994 | 3875 | 3755 | 3636 |
| 132.5° | 4160 | 4172 | 4184 | 4127 | 4002 | 3877 | 3752 | 3627 |
| 135°   | 4178 | 4192 | 4207 | 4149 | 4019 | 3888 | 3758 | 3628 |
| 137.5° | 4210 | 4245 | 4280 | 4225 | 4081 | 3937 | 3793 | 3649 |
| 140°   | 4181 | 4208 | 4235 | 4186 | 4062 | 3938 | 3814 | 3690 |
| 142.5° | 4144 | 4175 | 4206 | 4171 | 4070 | 3969 | 3868 | 3767 |
| 145°   | 4061 | 4096 | 4131 | 4098 | 3997 | 3896 | 3794 | 3693 |
| 147.5° | 3944 | 3961 | 3979 | 3942 | 3850 | 3758 | 3666 | 3574 |
| 150°   | 3798 | 3777 | 3756 | 3707 | 3630 | 3553 | 3477 | 3400 |
| 152.5° | 3709 | 3693 | 3676 | 3624 | 3536 | 3447 | 3359 | 3271 |
| 155°   | 3632 | 3643 | 3654 | 3609 | 3508 | 3407 | 3306 | 3205 |
| 157.5° | 3504 | 3492 | 3481 | 3436 | 3359 | 3282 | 3204 | 3127 |
| 160°   | 3376 | 3351 | 3325 | 3281 | 3218 | 3156 | 3093 | 3031 |
| 162.5° | 3233 | 3223 | 3213 | 3181 | 3126 | 3071 | 3016 | 2961 |
| 165°   | 3049 | 3040 | 3031 | 3012 | 2983 | 2954 | 2924 | 2895 |
| 167.5° | 2890 | 2881 | 2872 | 2862 | 2851 | 2840 | 2830 | 2819 |
| 170°   | 2757 | 2752 | 2747 | 2742 | 2738 | 2733 | 2729 | 2725 |
| 172.5° | 2638 | 2635 | 2633 | 2632 | 2631 | 2630 | 2630 | 2629 |
| 175°   | 2534 | 2533 | 2532 | 2532 | 2533 | 2534 | 2534 | 2535 |
| 177.5° | 2447 | 2445 | 2443 | 2444 | 2448 | 2451 | 2455 | 2459 |
| 180°   | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 | 2404 |

(END OF REPORT)