

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: 253P257

Luminaire Tested: **1215-XX-44-CFL/8/50-T5C/1/40**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: 253P257
Test Lab: METALUX LABORATORIES
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 1215-XX-44-CFL/8/50-T5C/1/40
Description: SHAPER 44 INCH 1215 SERIES DIRECT/INDIRECT INDOOR PENDANT FIXTURE
WITH SHALLOW BOWL
Light Source: EIGHT 50 WATT BIAX COMPACT FLUORESCENT LAMPS AND ONE 40 WATT T5 CIRCLINE
(8)F50BX/SPX41 - 4000 LUMENS AND (1)TL5C40W/830 - 3300 LUMENS
Ballast/Driver: -

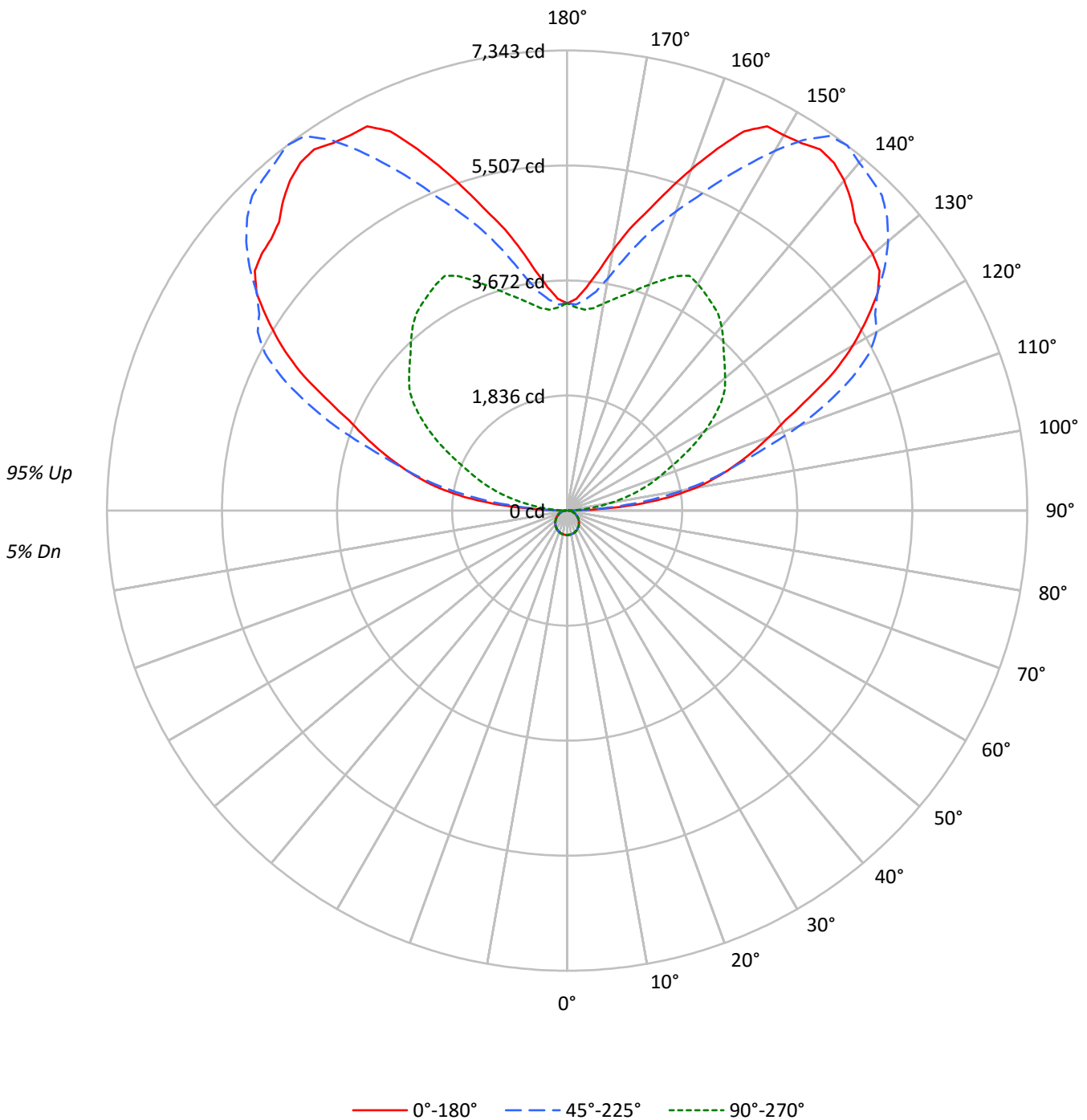
Summary

Lumens per Lamp: 35300 (1 lamp)
Luminaire Lumens: 26964.6 lumens
Efficiency: 76.4%
Efficacy: 627.1 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: 253P257
CATALOG NUMBER: 1215-XX-44-CFL/8/50-T5C/1/40

Luminous Intensity Polar Plot





TEST NUMBER: 253P257

CATALOG NUMBER: 1215-XX-44-CFL/8/50-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 | 74 | 74 | 74 | 74 | 63 | 63 | 63 | 63 | 44 | 44 | 44 | 27 | 27 | 27 | 11 | 11 | 11 | 3 |
| 1 | 67 | 64 | 61 | 58 | 57 | 55 | 53 | 51 | 39 | 37 | 36 | 23 | 23 | 22 | 10 | 9 | 9 | 3 |
| 2 | 61 | 56 | 51 | 48 | 52 | 48 | 44 | 41 | 34 | 31 | 30 | 21 | 19 | 18 | 8 | 8 | 8 | 2 |
| 3 | 55 | 49 | 44 | 39 | 47 | 42 | 38 | 34 | 30 | 27 | 25 | 18 | 17 | 15 | 7 | 7 | 6 | 2 |
| 4 | 50 | 43 | 37 | 33 | 43 | 37 | 33 | 29 | 26 | 23 | 21 | 16 | 14 | 13 | 7 | 6 | 5 | 2 |
| 5 | 46 | 38 | 32 | 28 | 40 | 33 | 28 | 25 | 23 | 20 | 18 | 14 | 12 | 11 | 6 | 5 | 5 | 1 |
| 6 | 42 | 34 | 28 | 24 | 36 | 29 | 25 | 21 | 21 | 18 | 15 | 13 | 11 | 10 | 5 | 5 | 4 | 1 |
| 7 | 39 | 30 | 25 | 21 | 33 | 26 | 22 | 18 | 19 | 16 | 13 | 11 | 10 | 8 | 5 | 4 | 4 | 1 |
| 8 | 36 | 27 | 22 | 18 | 31 | 24 | 19 | 16 | 17 | 14 | 12 | 10 | 9 | 7 | 4 | 4 | 3 | 1 |
| 9 | 33 | 25 | 19 | 16 | 29 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 8 | 6 | 4 | 3 | 3 | 1 |
| 10 | 31 | 22 | 17 | 14 | 27 | 19 | 15 | 12 | 14 | 11 | 9 | 9 | 7 | 6 | 4 | 3 | 2 | 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: 253P257

CATALOG NUMBER: 1215-XX-44-CFL/8/50-T5C/1/40

ZONAL LUMENS:

| Zone | Lumens | % Fixture | % Lamp |
|-----------|---------|-----------|--------|
| 0°-10° | 36.9 | 0.1 | 0.1 |
| 10°-20° | 106.1 | 0.4 | 0.3 |
| 20°-30° | 161.6 | 0.6 | 0.5 |
| 30°-40° | 196.3 | 0.7 | 0.6 |
| 40°-50° | 205.9 | 0.8 | 0.6 |
| 50°-60° | 190.3 | 0.7 | 0.5 |
| 60°-70° | 154.6 | 0.6 | 0.4 |
| 70°-80° | 109.4 | 0.4 | 0.3 |
| 80°-90° | 61.8 | 0.2 | 0.2 |
| 90°-100° | 903.1 | 3.3 | 2.6 |
| 100°-110° | 2738.6 | 10.2 | 7.8 |
| 110°-120° | 4199.3 | 15.6 | 11.9 |
| 120°-130° | 4985.7 | 18.5 | 14.1 |
| 130°-140° | 4763.0 | 17.7 | 13.5 |
| 140°-150° | 3962.8 | 14.7 | 11.2 |
| 150°-160° | 2608.1 | 9.7 | 7.4 |
| 160°-170° | 1245.6 | 4.6 | 3.5 |
| 170°-180° | 335.6 | 1.2 | 1.0 |
| 0°-30° | 304.5 | 1.1 | 0.9 |
| 0°-40° | 500.8 | 1.9 | 1.4 |
| 0°-60° | 896.9 | 3.3 | 2.5 |
| 0°-90° | 1222.8 | 4.5 | 3.5 |
| 90°-120° | 7841.1 | 29.1 | 22.2 |
| 90°-150° | 21552.5 | 79.9 | 61.1 |
| 90°-180° | 25742.0 | 95.5 | 72.9 |
| 0°-180° | 26964.6 | 100.0 | 76.4 |

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° | 15 | 20 | 16 | 18 | 17 | 76 |
| 95° | 1100 | 950 | 857 | 704 | 292 | 1092 |
| 105° | 2765 | 2988 | 2791 | 2584 | 1145 | 2916 |
| 115° | 4257 | 4810 | 5020 | 4001 | 2010 | 4250 |
| 125° | 6047 | 6491 | 6042 | 5228 | 2996 | 5331 |
| 135° | 6504 | 6838 | 7107 | 5668 | 3533 | 5075 |
| 145° | 7037 | 7040 | 7297 | 5540 | 4032 | 4379 |
| 155° | 6677 | 6381 | 5815 | 4926 | 4129 | 3047 |
| 165° | 4940 | 4718 | 4423 | 3902 | 3565 | 1432 |
| 175° | 3576 | 3477 | 3380 | 3279 | 3218 | 362 |
| 180° | 3308 | 3308 | 3308 | 3308 | 3308 | |



TEST NUMBER: 253P257

CATALOG NUMBER: 1215-XX-44-CFL/8/50-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° | 15 | 16 | 18 | 19 | 20 | 20 | 19 | 18 | 17 | 16 | 16 |
| 92.5° | 472 | 448 | 425 | 401 | 378 | 360 | 349 | 337 | 326 | 314 | 307 |
| 95° | 1100 | 1066 | 1032 | 997 | 963 | 936 | 916 | 897 | 877 | 857 | 827 |
| 97.5° | 1642 | 1627 | 1612 | 1597 | 1582 | 1553 | 1512 | 1471 | 1429 | 1388 | 1347 |
| 100° | 2074 | 2087 | 2100 | 2113 | 2126 | 2107 | 2055 | 2004 | 1952 | 1900 | 1848 |
| 102.5° | 2434 | 2468 | 2502 | 2536 | 2570 | 2564 | 2517 | 2471 | 2424 | 2378 | 2342 |
| 105° | 2765 | 2820 | 2876 | 2931 | 2986 | 2989 | 2940 | 2890 | 2841 | 2791 | 2762 |
| 107.5° | 3094 | 3166 | 3237 | 3309 | 3380 | 3404 | 3379 | 3354 | 3330 | 3305 | 3244 |
| 110° | 3429 | 3509 | 3590 | 3670 | 3751 | 3807 | 3840 | 3873 | 3905 | 3938 | 3790 |



TEST NUMBER: 253P257

CATALOG NUMBER: 1215-XX-44-CFL/8/50-T5C/1/40

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 3764 | 3877 | 3991 | 4104 | 4217 | 4299 | 4349 | 4398 | 4448 | 4498 | 4305 |
| 115° | 4257 | 4385 | 4513 | 4640 | 4768 | 4853 | 4895 | 4936 | 4978 | 5020 | 4807 |
| 117.5° | 4809 | 4937 | 5065 | 5193 | 5321 | 5391 | 5403 | 5416 | 5428 | 5440 | 5221 |
| 120° | 5264 | 5394 | 5524 | 5654 | 5784 | 5833 | 5801 | 5768 | 5736 | 5704 | 5502 |
| 122.5° | 5666 | 5801 | 5936 | 6071 | 6206 | 6224 | 6125 | 6025 | 5926 | 5826 | 5660 |
| 125° | 6047 | 6158 | 6269 | 6380 | 6491 | 6491 | 6379 | 6266 | 6154 | 6042 | 5881 |
| 127.5° | 6284 | 6358 | 6433 | 6507 | 6582 | 6594 | 6543 | 6492 | 6441 | 6390 | 6200 |
| 130° | 6365 | 6423 | 6481 | 6539 | 6597 | 6633 | 6646 | 6659 | 6673 | 6686 | 6454 |
| 132.5° | 6409 | 6468 | 6527 | 6586 | 6645 | 6703 | 6758 | 6813 | 6869 | 6924 | 6646 |
| 135° | 6504 | 6579 | 6654 | 6729 | 6804 | 6871 | 6930 | 6989 | 7048 | 7107 | 6797 |
| 137.5° | 6708 | 6769 | 6829 | 6890 | 6951 | 7003 | 7047 | 7091 | 7135 | 7179 | 6855 |
| 140° | 6877 | 6922 | 6968 | 7013 | 7058 | 7100 | 7137 | 7174 | 7212 | 7249 | 6901 |
| 142.5° | 6995 | 7023 | 7052 | 7080 | 7109 | 7147 | 7196 | 7245 | 7294 | 7343 | 6957 |
| 145° | 7037 | 7034 | 7032 | 7029 | 7026 | 7055 | 7116 | 7176 | 7237 | 7297 | 6903 |
| 147.5° | 6953 | 6953 | 6952 | 6952 | 6951 | 6958 | 6971 | 6984 | 6997 | 7010 | 6670 |
| 150° | 6918 | 6926 | 6934 | 6942 | 6950 | 6918 | 6845 | 6772 | 6700 | 6627 | 6355 |
| 152.5° | 6913 | 6888 | 6863 | 6838 | 6813 | 6736 | 6606 | 6476 | 6346 | 6216 | 5989 |
| 155° | 6677 | 6615 | 6553 | 6491 | 6429 | 6333 | 6204 | 6074 | 5945 | 5815 | 5616 |
| 157.5° | 6242 | 6176 | 6111 | 6045 | 5980 | 5888 | 5769 | 5650 | 5532 | 5413 | 5241 |
| 160° | 5796 | 5731 | 5665 | 5600 | 5535 | 5455 | 5361 | 5267 | 5173 | 5079 | 4921 |
| 162.5° | 5351 | 5287 | 5222 | 5158 | 5093 | 5028 | 4961 | 4894 | 4828 | 4761 | 4616 |
| 165° | 4940 | 4892 | 4844 | 4795 | 4747 | 4690 | 4623 | 4556 | 4490 | 4423 | 4305 |
| 167.5° | 4597 | 4549 | 4501 | 4452 | 4404 | 4347 | 4281 | 4214 | 4148 | 4082 | 3996 |
| 170° | 4219 | 4179 | 4140 | 4100 | 4061 | 4010 | 3949 | 3888 | 3827 | 3766 | 3711 |
| 172.5° | 3853 | 3824 | 3795 | 3766 | 3737 | 3701 | 3657 | 3613 | 3569 | 3525 | 3489 |
| 175° | 3576 | 3554 | 3532 | 3510 | 3488 | 3466 | 3445 | 3423 | 3402 | 3380 | 3357 |
| 177.5° | 3381 | 3369 | 3357 | 3346 | 3334 | 3324 | 3316 | 3308 | 3300 | 3292 | 3287 |
| 180° | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 |



TEST NUMBER: 253P257

CATALOG NUMBER: 1215-XX-44-CFL/8/50-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° | 17 | 17 | 18 | 18 | 18 | 17 | 17 | 17 |
| 92.5° | 301 | 294 | 287 | 265 | 226 | 188 | 149 | 111 |
| 95° | 797 | 766 | 736 | 673 | 578 | 483 | 387 | 292 |
| 97.5° | 1306 | 1265 | 1224 | 1124 | 967 | 810 | 652 | 495 |
| 100° | 1796 | 1744 | 1692 | 1559 | 1346 | 1133 | 919 | 706 |
| 102.5° | 2305 | 2269 | 2232 | 2071 | 1785 | 1500 | 1214 | 928 |
| 105° | 2734 | 2705 | 2676 | 2493 | 2156 | 1819 | 1482 | 1145 |
| 107.5° | 3183 | 3122 | 3061 | 2844 | 2473 | 2102 | 1730 | 1359 |
| 110° | 3642 | 3495 | 3347 | 3082 | 2700 | 2318 | 1936 | 1554 |



TEST NUMBER: 253P257

CATALOG NUMBER: 1215-XX-44-CFL/8/50-T5C/1/40

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|------|------|------|------|------|------|------|------|
| 112.5° | 4112 | 3919 | 3726 | 3422 | 3006 | 2590 | 2174 | 1758 |
| 115° | 4594 | 4381 | 4168 | 3834 | 3378 | 2922 | 2466 | 2010 |
| 117.5° | 5001 | 4782 | 4563 | 4212 | 3729 | 3246 | 2764 | 2281 |
| 120° | 5300 | 5098 | 4896 | 4544 | 4042 | 3541 | 3039 | 2537 |
| 122.5° | 5493 | 5327 | 5160 | 4821 | 4309 | 3797 | 3285 | 2773 |
| 125° | 5719 | 5558 | 5397 | 5058 | 4543 | 4027 | 3512 | 2996 |
| 127.5° | 6010 | 5819 | 5629 | 5272 | 4747 | 4222 | 3697 | 3172 |
| 130° | 6222 | 5989 | 5757 | 5380 | 4858 | 4336 | 3814 | 3292 |
| 132.5° | 6368 | 6091 | 5813 | 5423 | 4920 | 4417 | 3914 | 3411 |
| 135° | 6487 | 6176 | 5866 | 5469 | 4985 | 4501 | 4017 | 3533 |
| 137.5° | 6531 | 6207 | 5883 | 5495 | 5043 | 4590 | 4138 | 3686 |
| 140° | 6554 | 6206 | 5859 | 5479 | 5068 | 4657 | 4246 | 3835 |
| 142.5° | 6571 | 6186 | 5800 | 5424 | 5057 | 4690 | 4324 | 3957 |
| 145° | 6509 | 6116 | 5722 | 5359 | 5027 | 4696 | 4364 | 4032 |
| 147.5° | 6330 | 5991 | 5651 | 5328 | 5021 | 4715 | 4408 | 4102 |
| 150° | 6084 | 5812 | 5541 | 5268 | 4995 | 4722 | 4448 | 4175 |
| 152.5° | 5761 | 5534 | 5307 | 5085 | 4870 | 4655 | 4439 | 4224 |
| 155° | 5418 | 5219 | 5020 | 4833 | 4657 | 4481 | 4305 | 4129 |
| 157.5° | 5069 | 4898 | 4726 | 4567 | 4420 | 4274 | 4127 | 3981 |
| 160° | 4763 | 4604 | 4446 | 4308 | 4190 | 4073 | 3955 | 3837 |
| 162.5° | 4471 | 4326 | 4181 | 4063 | 3971 | 3878 | 3786 | 3694 |
| 165° | 4187 | 4068 | 3950 | 3855 | 3782 | 3710 | 3637 | 3565 |
| 167.5° | 3909 | 3823 | 3736 | 3667 | 3614 | 3562 | 3509 | 3457 |
| 170° | 3656 | 3601 | 3546 | 3500 | 3463 | 3427 | 3390 | 3354 |
| 172.5° | 3453 | 3416 | 3380 | 3351 | 3328 | 3305 | 3283 | 3260 |
| 175° | 3334 | 3311 | 3288 | 3270 | 3257 | 3244 | 3231 | 3218 |
| 177.5° | 3282 | 3277 | 3272 | 3266 | 3261 | 3255 | 3250 | 3244 |
| 180° | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 | 3308 |

(END OF REPORT)