

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
(formerly Eaton)

Brand: STREETWORKS

Report Number: P622130

Luminaire Tested: **IFLD-M-SA4A-727-U-66**

Issue Date: 09/20/2022

Test Information

Test Method: LM-79-2019
Report Number: P622130
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/20/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-727-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

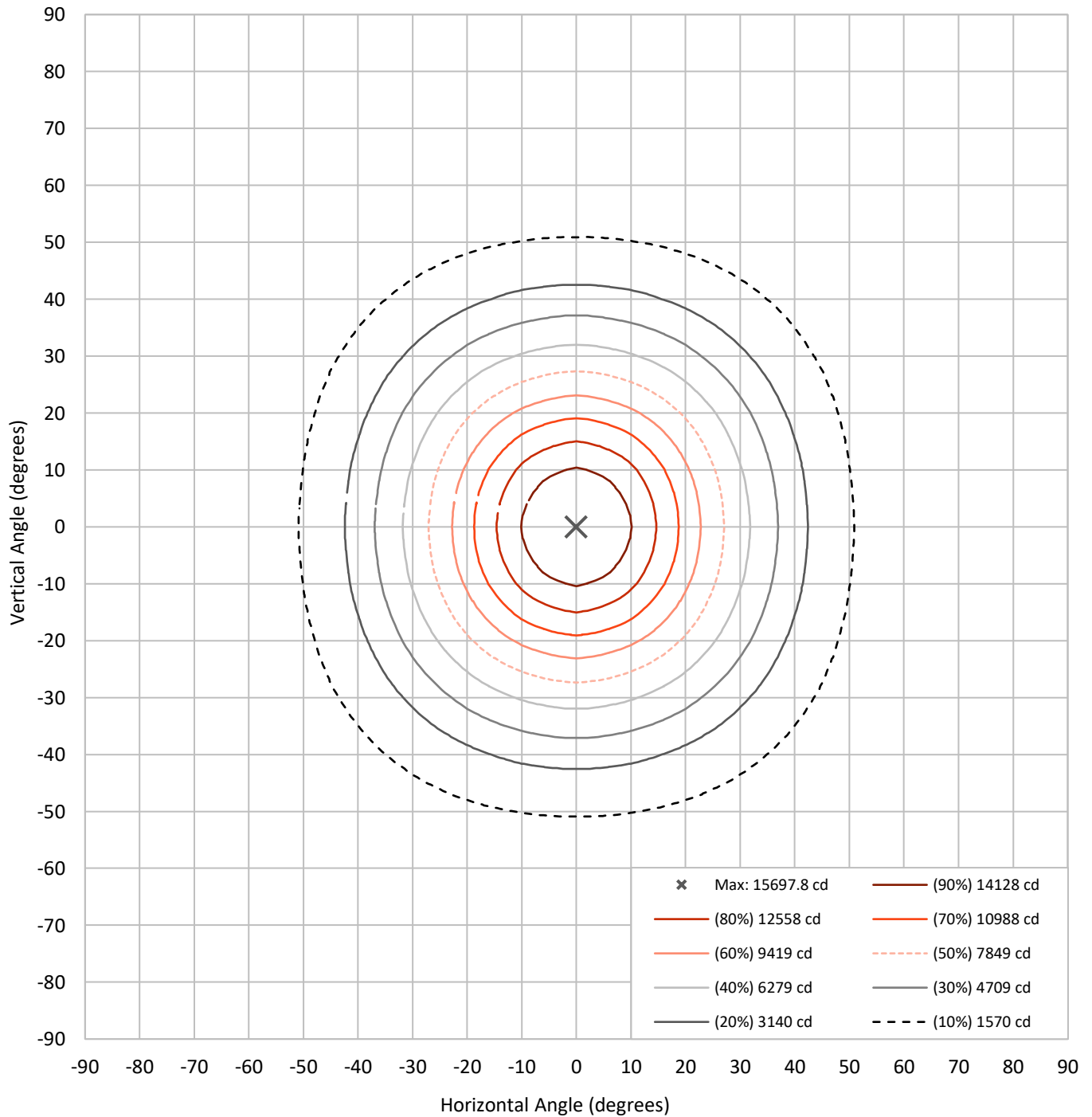
| | | | |
|-------------------|--------------------------------------|----------------------|-------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 6H x 6V |
| Luminaire Lumens: | 16281.2 lumens | Max Intensity: | 15697.8 candela |
| Efficiency: | N/A | Max Intensity Angle: | 0°H x 0°V |
| Efficacy: | 126.6 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2' x L: 0.5' x H: 0') | | |
| Beam Angle (50%): | 54.2°H x 54.7°V | Field Angle (10%): | 101.7°H x 101.8°V |
| Beam Lumens: | 7828.1 lumens | Field Lumens: | 14288.4 lumens |
| Beam Efficiency: | 48.1% | Field Efficiency: | 87.8% |

Input Watts (W): 128.6
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: 25 FT



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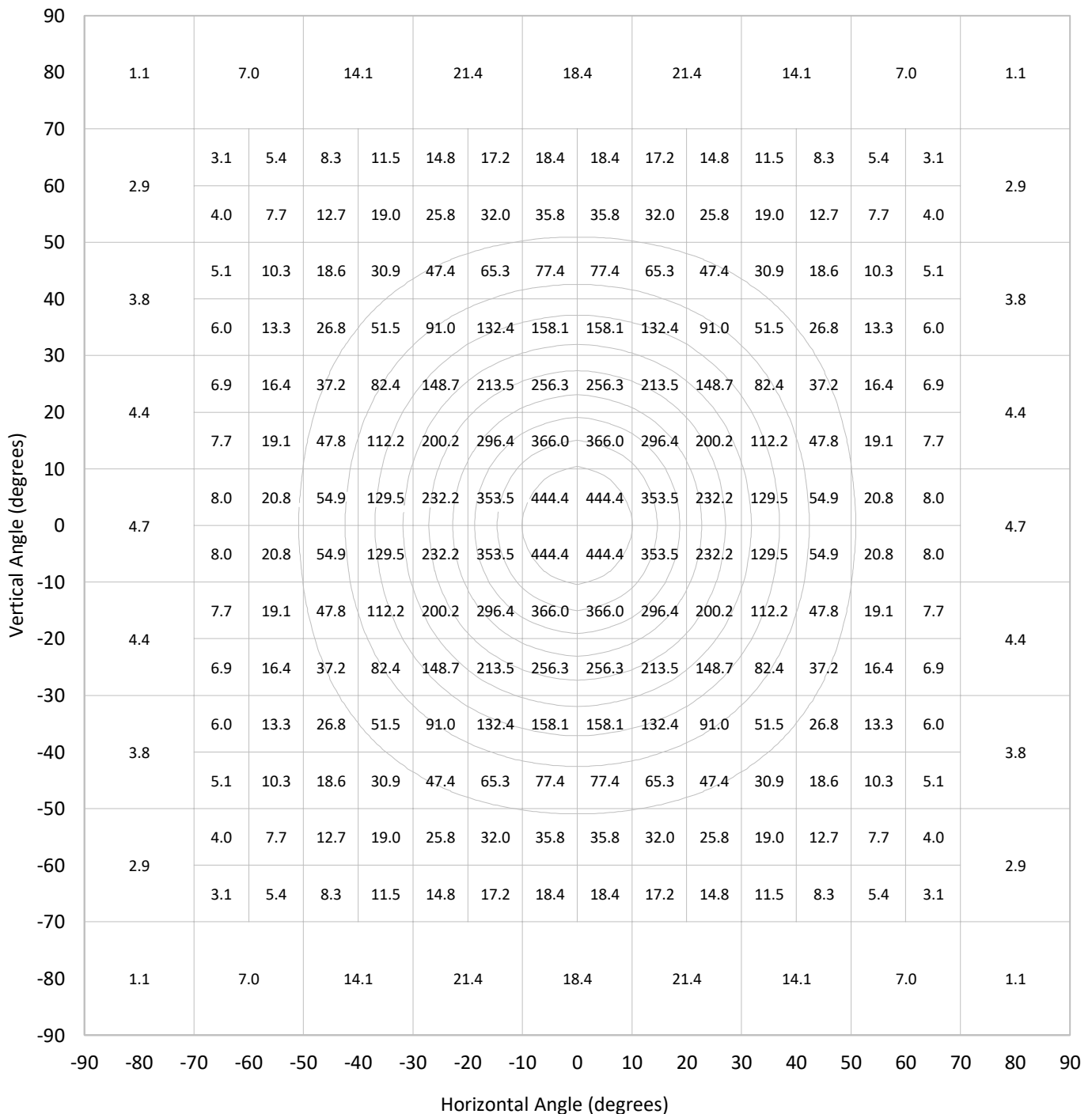
Iso-Candela Plot





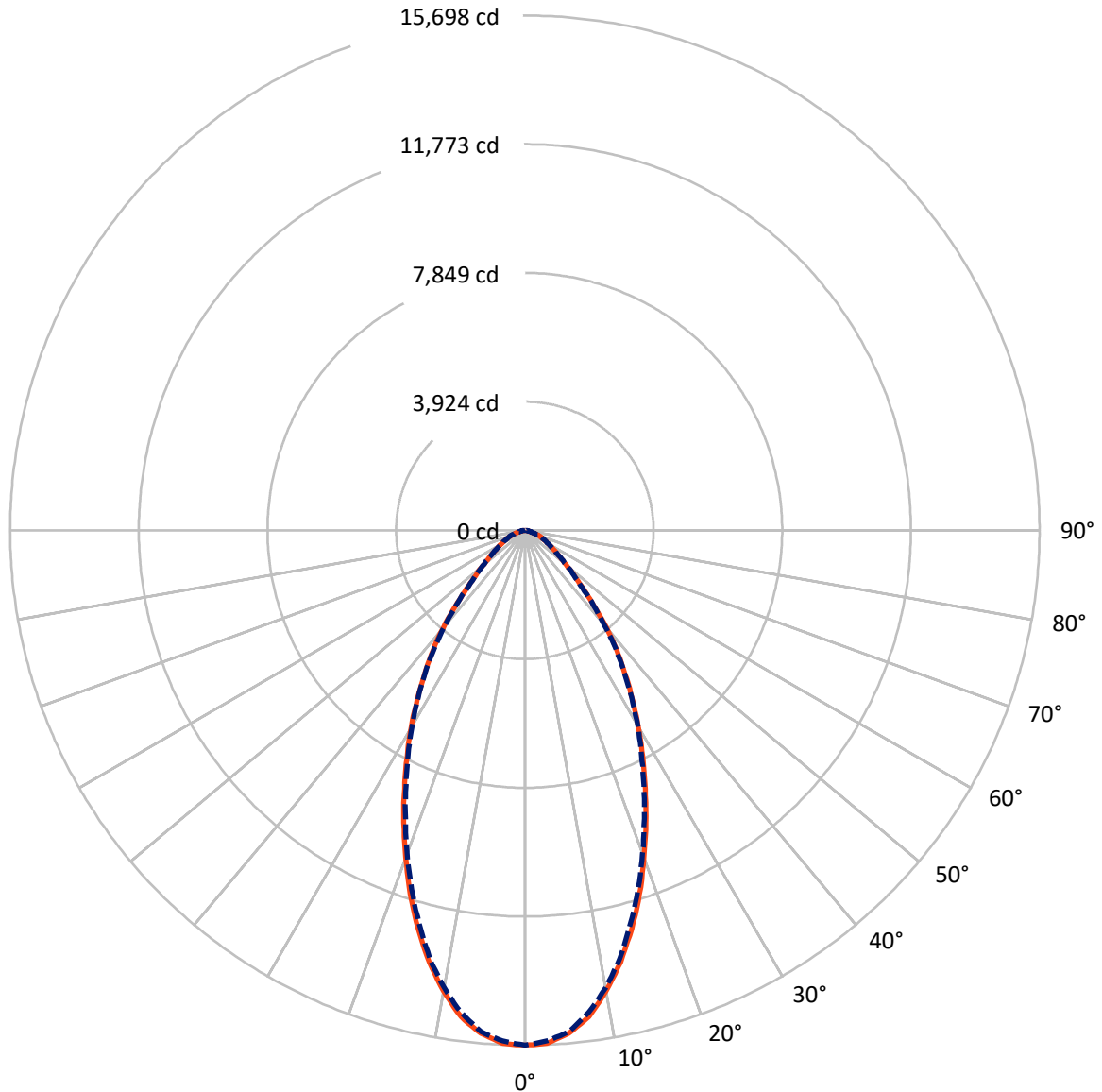
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Lumen Table



REPORT NUMBER: P622130
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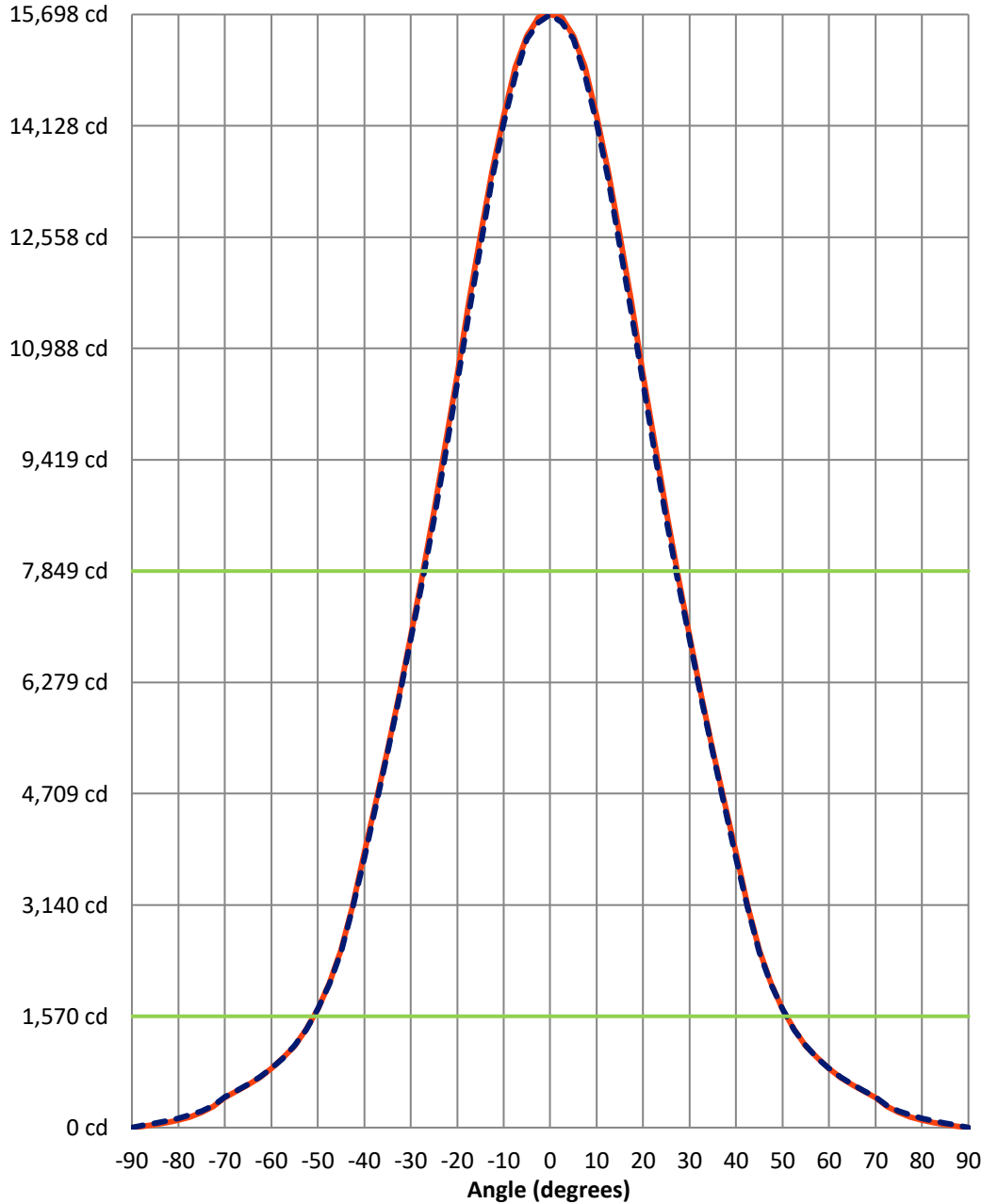
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 54.2°
V Angle: 54.7°
Lumens: 7828.1
Efficiency: 48.1%

Field:
H Angle: 101.7°
V Angle: 101.8°
Lumens: 14288.4
Efficiency: 87.8%

Spill:
Lumens: 1992.8
Efficiency: 12.2%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

FIELD
 BEAM

CANDELA DISTRIBUTION:

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 0 | 2 | 3 | 7 | 10 | 13 | 17 | 20 | 22 | 23 | 27 |
| 85° | 0 | 3 | 7 | 12 | 18 | 27 | 35 | 40 | 44 | 49 | 52 |
| 82.5° | 0 | 5 | 12 | 18 | 28 | 39 | 52 | 59 | 65 | 72 | 77 |
| 80° | 0 | 7 | 15 | 25 | 37 | 52 | 69 | 77 | 85 | 94 | 100 |
| 77.5° | 0 | 8 | 18 | 30 | 47 | 64 | 84 | 95 | 105 | 115 | 125 |
| 75° | 0 | 10 | 22 | 37 | 55 | 74 | 97 | 112 | 125 | 139 | 154 |
| 72.5° | 0 | 12 | 25 | 42 | 62 | 84 | 110 | 129 | 144 | 162 | 182 |
| 70° | 0 | 13 | 28 | 49 | 69 | 94 | 124 | 144 | 162 | 184 | 201 |
| 67.5° | 0 | 15 | 32 | 52 | 75 | 102 | 134 | 159 | 179 | 199 | 217 |
| 65° | 0 | 15 | 35 | 55 | 80 | 110 | 142 | 172 | 194 | 214 | 236 |
| 62.5° | 0 | 17 | 39 | 59 | 85 | 117 | 151 | 184 | 207 | 229 | 254 |
| 60° | 0 | 18 | 40 | 62 | 92 | 124 | 161 | 196 | 219 | 246 | 273 |
| 57.5° | 0 | 20 | 42 | 65 | 95 | 129 | 167 | 206 | 234 | 263 | 291 |
| 55° | 0 | 22 | 45 | 69 | 99 | 136 | 174 | 216 | 248 | 278 | 309 |
| 52.5° | 0 | 22 | 47 | 70 | 104 | 141 | 181 | 223 | 261 | 294 | 331 |
| 50° | 0 | 23 | 49 | 72 | 107 | 146 | 186 | 231 | 274 | 311 | 350 |
| 47.5° | 0 | 25 | 50 | 74 | 109 | 149 | 192 | 239 | 289 | 328 | 370 |
| 45° | 0 | 25 | 52 | 75 | 112 | 154 | 197 | 244 | 299 | 345 | 388 |
| 42.5° | 0 | 27 | 52 | 77 | 114 | 157 | 202 | 253 | 308 | 361 | 408 |
| 40° | 0 | 28 | 54 | 80 | 117 | 159 | 207 | 259 | 318 | 378 | 427 |
| 37.5° | 0 | 28 | 55 | 82 | 119 | 162 | 211 | 266 | 328 | 390 | 443 |
| 35° | 0 | 30 | 57 | 84 | 120 | 164 | 212 | 273 | 336 | 401 | 462 |
| 32.5° | 0 | 30 | 57 | 87 | 122 | 167 | 216 | 278 | 346 | 415 | 478 |
| 30° | 0 | 30 | 59 | 89 | 122 | 167 | 221 | 283 | 355 | 428 | 495 |
| 27.5° | 0 | 32 | 59 | 89 | 125 | 169 | 224 | 289 | 363 | 443 | 512 |
| 25° | 0 | 32 | 60 | 90 | 127 | 169 | 226 | 294 | 373 | 457 | 527 |
| 22.5° | 0 | 32 | 60 | 92 | 129 | 171 | 228 | 299 | 383 | 468 | 544 |
| 20° | 0 | 34 | 62 | 94 | 131 | 172 | 229 | 304 | 393 | 478 | 557 |
| 17.5° | 0 | 34 | 62 | 94 | 132 | 176 | 231 | 308 | 401 | 488 | 569 |
| 15° | 0 | 35 | 62 | 94 | 132 | 177 | 234 | 309 | 410 | 497 | 580 |
| 12.5° | 0 | 35 | 62 | 95 | 132 | 177 | 236 | 313 | 418 | 505 | 589 |
| 10° | 0 | 34 | 64 | 95 | 132 | 179 | 238 | 315 | 423 | 510 | 597 |
| 7.5° | 0 | 34 | 64 | 95 | 134 | 179 | 238 | 315 | 428 | 515 | 602 |
| 5° | 0 | 34 | 62 | 95 | 132 | 181 | 238 | 316 | 435 | 520 | 607 |
| 2.5° | 0 | 34 | 62 | 94 | 132 | 181 | 234 | 313 | 433 | 520 | 611 |
| 0° | 0 | 34 | 62 | 94 | 131 | 179 | 233 | 309 | 432 | 519 | 611 |
| -2.5° | 0 | 34 | 62 | 94 | 132 | 181 | 234 | 313 | 433 | 520 | 611 |
| -5° | 0 | 34 | 62 | 95 | 132 | 181 | 238 | 316 | 435 | 520 | 607 |
| -7.5° | 0 | 34 | 64 | 95 | 134 | 179 | 238 | 315 | 428 | 515 | 602 |
| -10° | 0 | 34 | 64 | 95 | 132 | 179 | 238 | 315 | 423 | 510 | 597 |
| -12.5° | 0 | 35 | 62 | 95 | 132 | 177 | 236 | 313 | 418 | 505 | 589 |
| -15° | 0 | 35 | 62 | 94 | 132 | 177 | 234 | 309 | 410 | 497 | 580 |
| -17.5° | 0 | 34 | 62 | 94 | 132 | 176 | 231 | 308 | 401 | 488 | 569 |
| -20° | 0 | 34 | 62 | 94 | 131 | 172 | 229 | 304 | 393 | 478 | 557 |



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CANDELA DISTRIBUTION (continued):

| | -90° | -87.5° | -85° | -82.5° | -80° | -77.5° | -75° | -72.5° | -70° | -67.5° | -65° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 0 | 32 | 60 | 92 | 129 | 171 | 228 | 299 | 383 | 468 | 544 |
| -25° | 0 | 32 | 60 | 90 | 127 | 169 | 226 | 294 | 373 | 457 | 527 |
| -27.5° | 0 | 32 | 59 | 89 | 125 | 169 | 224 | 289 | 363 | 443 | 512 |
| -30° | 0 | 30 | 59 | 89 | 122 | 167 | 221 | 283 | 355 | 428 | 495 |
| -32.5° | 0 | 30 | 57 | 87 | 122 | 167 | 216 | 278 | 346 | 415 | 478 |
| -35° | 0 | 30 | 57 | 84 | 120 | 164 | 212 | 273 | 336 | 401 | 462 |
| -37.5° | 0 | 28 | 55 | 82 | 119 | 162 | 211 | 266 | 328 | 390 | 443 |
| -40° | 0 | 28 | 54 | 80 | 117 | 159 | 207 | 259 | 318 | 378 | 427 |
| -42.5° | 0 | 27 | 52 | 77 | 114 | 157 | 202 | 253 | 308 | 361 | 408 |
| -45° | 0 | 25 | 52 | 75 | 112 | 154 | 197 | 244 | 299 | 345 | 388 |
| -47.5° | 0 | 25 | 50 | 74 | 109 | 149 | 192 | 239 | 289 | 328 | 370 |
| -50° | 0 | 23 | 49 | 72 | 107 | 146 | 186 | 231 | 274 | 311 | 350 |
| -52.5° | 0 | 22 | 47 | 70 | 104 | 141 | 181 | 223 | 261 | 294 | 331 |
| -55° | 0 | 22 | 45 | 69 | 99 | 136 | 174 | 216 | 248 | 278 | 309 |
| -57.5° | 0 | 20 | 42 | 65 | 95 | 129 | 167 | 206 | 234 | 263 | 291 |
| -60° | 0 | 18 | 40 | 62 | 92 | 124 | 161 | 196 | 219 | 246 | 273 |
| -62.5° | 0 | 17 | 39 | 59 | 85 | 117 | 151 | 184 | 207 | 229 | 254 |
| -65° | 0 | 15 | 35 | 55 | 80 | 110 | 142 | 172 | 194 | 214 | 236 |
| -67.5° | 0 | 15 | 32 | 52 | 75 | 102 | 134 | 159 | 179 | 199 | 217 |
| -70° | 0 | 13 | 28 | 49 | 69 | 94 | 124 | 144 | 162 | 184 | 201 |
| -72.5° | 0 | 12 | 25 | 42 | 62 | 84 | 110 | 129 | 144 | 162 | 182 |
| -75° | 0 | 10 | 22 | 37 | 55 | 74 | 97 | 112 | 125 | 139 | 154 |
| -77.5° | 0 | 8 | 18 | 30 | 47 | 64 | 84 | 95 | 105 | 115 | 125 |
| -80° | 0 | 7 | 15 | 25 | 37 | 52 | 69 | 77 | 85 | 94 | 100 |
| -82.5° | 0 | 5 | 12 | 18 | 28 | 39 | 52 | 59 | 65 | 72 | 77 |
| -85° | 0 | 3 | 7 | 12 | 18 | 27 | 35 | 40 | 44 | 49 | 52 |
| -87.5° | 0 | 2 | 3 | 7 | 10 | 13 | 17 | 20 | 22 | 23 | 27 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 28 | 30 | 32 | 32 | 32 | 30 | 28 | 27 | 30 | 34 | 37 |
| 85° | 55 | 60 | 62 | 65 | 64 | 60 | 59 | 55 | 62 | 69 | 77 |
| 82.5° | 82 | 87 | 90 | 94 | 94 | 90 | 87 | 82 | 92 | 102 | 114 |
| 80° | 107 | 114 | 120 | 125 | 125 | 120 | 115 | 109 | 120 | 136 | 151 |
| 77.5° | 137 | 146 | 152 | 159 | 157 | 156 | 152 | 149 | 161 | 176 | 191 |
| 75° | 167 | 179 | 184 | 191 | 194 | 192 | 192 | 196 | 209 | 228 | 244 |
| 72.5° | 194 | 202 | 212 | 224 | 229 | 233 | 241 | 251 | 264 | 279 | 293 |
| 70° | 216 | 226 | 239 | 251 | 261 | 271 | 283 | 296 | 309 | 325 | 338 |
| 67.5° | 236 | 251 | 264 | 279 | 293 | 308 | 323 | 338 | 353 | 370 | 386 |
| 65° | 258 | 274 | 291 | 308 | 326 | 345 | 363 | 380 | 398 | 420 | 438 |
| 62.5° | 279 | 298 | 318 | 338 | 360 | 381 | 403 | 425 | 450 | 473 | 497 |
| 60° | 299 | 323 | 346 | 371 | 396 | 422 | 445 | 473 | 504 | 530 | 560 |
| 57.5° | 320 | 348 | 375 | 403 | 432 | 460 | 493 | 525 | 560 | 596 | 629 |
| 55° | 341 | 375 | 405 | 437 | 468 | 505 | 542 | 582 | 621 | 666 | 708 |
| 52.5° | 365 | 400 | 435 | 470 | 510 | 550 | 594 | 641 | 691 | 743 | 795 |
| 50° | 388 | 427 | 465 | 507 | 552 | 599 | 651 | 706 | 766 | 826 | 890 |
| 47.5° | 410 | 452 | 498 | 544 | 596 | 651 | 711 | 778 | 845 | 920 | 1000 |
| 45° | 433 | 478 | 529 | 584 | 641 | 706 | 778 | 851 | 937 | 1022 | 1116 |
| 42.5° | 457 | 505 | 562 | 621 | 691 | 764 | 843 | 937 | 1032 | 1137 | 1251 |
| 40° | 477 | 532 | 596 | 666 | 741 | 823 | 920 | 1022 | 1139 | 1265 | 1405 |
| 37.5° | 500 | 560 | 629 | 706 | 793 | 888 | 1000 | 1119 | 1255 | 1407 | 1576 |
| 35° | 522 | 589 | 664 | 748 | 845 | 955 | 1081 | 1219 | 1377 | 1561 | 1766 |
| 32.5° | 544 | 617 | 698 | 790 | 897 | 1022 | 1164 | 1328 | 1514 | 1725 | 1982 |
| 30° | 565 | 642 | 729 | 830 | 950 | 1092 | 1256 | 1439 | 1653 | 1919 | 2225 |
| 27.5° | 585 | 669 | 763 | 873 | 1002 | 1158 | 1343 | 1561 | 1813 | 2113 | 2471 |
| 25° | 606 | 693 | 795 | 913 | 1057 | 1228 | 1430 | 1669 | 1972 | 2327 | 2752 |
| 22.5° | 624 | 716 | 823 | 952 | 1107 | 1296 | 1524 | 1796 | 2129 | 2524 | 3024 |
| 20° | 642 | 739 | 853 | 989 | 1151 | 1358 | 1609 | 1914 | 2292 | 2757 | 3312 |
| 17.5° | 657 | 761 | 882 | 1027 | 1204 | 1422 | 1688 | 2031 | 2439 | 2971 | 3590 |
| 15° | 672 | 780 | 907 | 1061 | 1251 | 1485 | 1773 | 2133 | 2594 | 3173 | 3830 |
| 12.5° | 684 | 795 | 928 | 1091 | 1291 | 1539 | 1847 | 2236 | 2745 | 3364 | 4039 |
| 10° | 693 | 808 | 945 | 1114 | 1325 | 1582 | 1907 | 2320 | 2867 | 3519 | 4213 |
| 7.5° | 701 | 818 | 958 | 1132 | 1350 | 1616 | 1954 | 2385 | 2961 | 3640 | 4347 |
| 5° | 708 | 826 | 969 | 1146 | 1367 | 1641 | 1989 | 2427 | 3028 | 3725 | 4443 |
| 2.5° | 713 | 833 | 977 | 1158 | 1380 | 1668 | 2021 | 2472 | 3091 | 3797 | 4528 |
| 0° | 713 | 835 | 977 | 1158 | 1378 | 1673 | 2026 | 2476 | 3099 | 3795 | 4540 |
| -2.5° | 713 | 833 | 977 | 1158 | 1380 | 1668 | 2021 | 2472 | 3091 | 3797 | 4528 |
| -5° | 708 | 826 | 969 | 1146 | 1367 | 1641 | 1989 | 2427 | 3028 | 3725 | 4443 |
| -7.5° | 701 | 818 | 958 | 1132 | 1350 | 1616 | 1954 | 2385 | 2961 | 3640 | 4347 |
| -10° | 693 | 808 | 945 | 1114 | 1325 | 1582 | 1907 | 2320 | 2867 | 3519 | 4213 |
| -12.5° | 684 | 795 | 928 | 1091 | 1291 | 1539 | 1847 | 2236 | 2745 | 3364 | 4039 |
| -15° | 672 | 780 | 907 | 1061 | 1251 | 1485 | 1773 | 2133 | 2594 | 3173 | 3830 |
| -17.5° | 657 | 761 | 882 | 1027 | 1204 | 1422 | 1688 | 2031 | 2439 | 2971 | 3590 |
| -20° | 642 | 739 | 853 | 989 | 1151 | 1358 | 1609 | 1914 | 2292 | 2757 | 3312 |



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CANDELA DISTRIBUTION (continued):

| | -62.5° | -60° | -57.5° | -55° | -52.5° | -50° | -47.5° | -45° | -42.5° | -40° | -37.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| -22.5° | 624 | 716 | 823 | 952 | 1107 | 1296 | 1524 | 1796 | 2129 | 2524 | 3024 |
| -25° | 606 | 693 | 795 | 913 | 1057 | 1228 | 1430 | 1669 | 1972 | 2327 | 2752 |
| -27.5° | 585 | 669 | 763 | 873 | 1002 | 1158 | 1343 | 1561 | 1813 | 2113 | 2471 |
| -30° | 565 | 642 | 729 | 830 | 950 | 1092 | 1256 | 1439 | 1653 | 1919 | 2225 |
| -32.5° | 544 | 617 | 698 | 790 | 897 | 1022 | 1164 | 1328 | 1514 | 1725 | 1982 |
| -35° | 522 | 589 | 664 | 748 | 845 | 955 | 1081 | 1219 | 1377 | 1561 | 1766 |
| -37.5° | 500 | 560 | 629 | 706 | 793 | 888 | 1000 | 1119 | 1255 | 1407 | 1576 |
| -40° | 477 | 532 | 596 | 666 | 741 | 823 | 920 | 1022 | 1139 | 1265 | 1405 |
| -42.5° | 457 | 505 | 562 | 621 | 691 | 764 | 843 | 937 | 1032 | 1137 | 1251 |
| -45° | 433 | 478 | 529 | 584 | 641 | 706 | 778 | 851 | 937 | 1022 | 1116 |
| -47.5° | 410 | 452 | 498 | 544 | 596 | 651 | 711 | 778 | 845 | 920 | 1000 |
| -50° | 388 | 427 | 465 | 507 | 552 | 599 | 651 | 706 | 766 | 826 | 890 |
| -52.5° | 365 | 400 | 435 | 470 | 510 | 550 | 594 | 641 | 691 | 743 | 795 |
| -55° | 341 | 375 | 405 | 437 | 468 | 505 | 542 | 582 | 621 | 666 | 708 |
| -57.5° | 320 | 348 | 375 | 403 | 432 | 460 | 493 | 525 | 560 | 596 | 629 |
| -60° | 299 | 323 | 346 | 371 | 396 | 422 | 445 | 473 | 504 | 530 | 560 |
| -62.5° | 279 | 298 | 318 | 338 | 360 | 381 | 403 | 425 | 450 | 473 | 497 |
| -65° | 258 | 274 | 291 | 308 | 326 | 345 | 363 | 380 | 398 | 420 | 438 |
| -67.5° | 236 | 251 | 264 | 279 | 293 | 308 | 323 | 338 | 353 | 370 | 386 |
| -70° | 216 | 226 | 239 | 251 | 261 | 271 | 283 | 296 | 309 | 325 | 338 |
| -72.5° | 194 | 202 | 212 | 224 | 229 | 233 | 241 | 251 | 264 | 279 | 293 |
| -75° | 167 | 179 | 184 | 191 | 194 | 192 | 192 | 196 | 209 | 228 | 244 |
| -77.5° | 137 | 146 | 152 | 159 | 157 | 156 | 152 | 149 | 161 | 176 | 191 |
| -80° | 107 | 114 | 120 | 125 | 125 | 120 | 115 | 109 | 120 | 136 | 151 |
| -82.5° | 82 | 87 | 90 | 94 | 94 | 90 | 87 | 82 | 92 | 102 | 114 |
| -85° | 55 | 60 | 62 | 65 | 64 | 60 | 59 | 55 | 62 | 69 | 77 |
| -87.5° | 28 | 30 | 32 | 32 | 32 | 30 | 28 | 27 | 30 | 34 | 37 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|-------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 42 | 42 | 42 | 42 | 40 | 42 | 42 | 44 | 45 | 40 | 35 |
| 85° | 84 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 77 | 69 |
| 82.5° | 125 | 131 | 134 | 139 | 142 | 142 | 141 | 139 | 136 | 122 | 107 |
| 80° | 166 | 174 | 179 | 184 | 189 | 187 | 186 | 182 | 181 | 164 | 147 |
| 77.5° | 206 | 216 | 223 | 228 | 233 | 234 | 233 | 233 | 231 | 216 | 197 |
| 75° | 258 | 266 | 273 | 279 | 286 | 289 | 291 | 291 | 291 | 278 | 261 |
| 72.5° | 304 | 315 | 325 | 335 | 343 | 348 | 353 | 356 | 360 | 353 | 343 |
| 70° | 353 | 365 | 376 | 388 | 400 | 408 | 415 | 422 | 425 | 427 | 427 |
| 67.5° | 403 | 418 | 433 | 448 | 462 | 473 | 482 | 490 | 497 | 504 | 507 |
| 65° | 458 | 478 | 497 | 514 | 529 | 544 | 555 | 567 | 577 | 585 | 590 |
| 62.5° | 520 | 544 | 565 | 587 | 604 | 622 | 641 | 657 | 671 | 682 | 691 |
| 60° | 589 | 617 | 644 | 671 | 698 | 719 | 743 | 763 | 780 | 795 | 808 |
| 57.5° | 666 | 701 | 734 | 769 | 800 | 828 | 856 | 885 | 910 | 930 | 947 |
| 55° | 751 | 795 | 838 | 880 | 922 | 960 | 997 | 1034 | 1067 | 1094 | 1117 |
| 52.5° | 850 | 902 | 957 | 1009 | 1066 | 1116 | 1163 | 1213 | 1258 | 1298 | 1331 |
| 50° | 955 | 1022 | 1094 | 1161 | 1234 | 1305 | 1368 | 1432 | 1495 | 1551 | 1596 |
| 47.5° | 1079 | 1159 | 1253 | 1345 | 1435 | 1531 | 1619 | 1703 | 1790 | 1863 | 1925 |
| 45° | 1213 | 1325 | 1435 | 1559 | 1673 | 1801 | 1924 | 2046 | 2153 | 2260 | 2350 |
| 42.5° | 1372 | 1512 | 1653 | 1812 | 1967 | 2129 | 2302 | 2455 | 2616 | 2773 | 2904 |
| 40° | 1561 | 1726 | 1920 | 2111 | 2327 | 2531 | 2775 | 2991 | 3195 | 3394 | 3563 |
| 37.5° | 1768 | 1987 | 2226 | 2469 | 2762 | 3049 | 3335 | 3606 | 3849 | 4071 | 4249 |
| 35° | 2007 | 2283 | 2568 | 2920 | 3268 | 3620 | 3948 | 4255 | 4531 | 4757 | 4944 |
| 32.5° | 2282 | 2608 | 3001 | 3411 | 3814 | 4203 | 4595 | 4899 | 5187 | 5445 | 5665 |
| 30° | 2573 | 2997 | 3456 | 3914 | 4354 | 4777 | 5172 | 5538 | 5873 | 6162 | 6410 |
| 27.5° | 2914 | 3406 | 3916 | 4407 | 4879 | 5336 | 5784 | 6202 | 6569 | 6873 | 7181 |
| 25° | 3252 | 3815 | 4361 | 4881 | 5391 | 5901 | 6395 | 6865 | 7293 | 7666 | 7999 |
| 22.5° | 3608 | 4197 | 4772 | 5324 | 5903 | 6458 | 6998 | 7534 | 8025 | 8455 | 8830 |
| 20° | 3937 | 4570 | 5157 | 5772 | 6400 | 7002 | 7609 | 8188 | 8736 | 9255 | 9681 |
| 17.5° | 4232 | 4876 | 5516 | 6165 | 6850 | 7532 | 8191 | 8818 | 9444 | 10048 | 10580 |
| 15° | 4494 | 5170 | 5828 | 6535 | 7273 | 8007 | 8741 | 9432 | 10136 | 10805 | 11401 |
| 12.5° | 4727 | 5424 | 6124 | 6876 | 7647 | 8412 | 9216 | 10019 | 10800 | 11521 | 12167 |
| 10° | 4919 | 5644 | 6393 | 7172 | 7974 | 8781 | 9648 | 10539 | 11376 | 12142 | 12844 |
| 7.5° | 5065 | 5809 | 6592 | 7402 | 8246 | 9111 | 10016 | 10924 | 11809 | 12632 | 13368 |
| 5° | 5169 | 5920 | 6724 | 7550 | 8430 | 9333 | 10299 | 11267 | 12170 | 13022 | 13774 |
| 2.5° | 5262 | 6018 | 6838 | 7632 | 8529 | 9466 | 10432 | 11436 | 12359 | 13234 | 14072 |
| 0° | 5287 | 6058 | 6886 | 7703 | 8574 | 9514 | 10499 | 11479 | 12426 | 13376 | 14164 |
| -2.5° | 5262 | 6018 | 6838 | 7632 | 8529 | 9466 | 10432 | 11436 | 12359 | 13234 | 14072 |
| -5° | 5169 | 5920 | 6724 | 7550 | 8430 | 9333 | 10299 | 11267 | 12170 | 13022 | 13774 |
| -7.5° | 5065 | 5809 | 6592 | 7402 | 8246 | 9111 | 10016 | 10924 | 11809 | 12632 | 13368 |
| -10° | 4919 | 5644 | 6393 | 7172 | 7974 | 8781 | 9648 | 10539 | 11376 | 12142 | 12844 |
| -12.5° | 4727 | 5424 | 6124 | 6876 | 7647 | 8412 | 9216 | 10019 | 10800 | 11521 | 12167 |
| -15° | 4494 | 5170 | 5828 | 6535 | 7273 | 8007 | 8741 | 9432 | 10136 | 10805 | 11401 |
| -17.5° | 4232 | 4876 | 5516 | 6165 | 6850 | 7532 | 8191 | 8818 | 9444 | 10048 | 10580 |
| -20° | 3937 | 4570 | 5157 | 5772 | 6400 | 7002 | 7609 | 8188 | 8736 | 9255 | 9681 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

CANDELA DISTRIBUTION (continued):

| | -35° | -32.5° | -30° | -27.5° | -25° | -22.5° | -20° | -17.5° | -15° | -12.5° | -10° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| -22.5° | 3608 | 4197 | 4772 | 5324 | 5903 | 6458 | 6998 | 7534 | 8025 | 8455 | 8830 |
| -25° | 3252 | 3815 | 4361 | 4881 | 5391 | 5901 | 6395 | 6865 | 7293 | 7666 | 7999 |
| -27.5° | 2914 | 3406 | 3916 | 4407 | 4879 | 5336 | 5784 | 6202 | 6569 | 6873 | 7181 |
| -30° | 2573 | 2997 | 3456 | 3914 | 4354 | 4777 | 5172 | 5538 | 5873 | 6162 | 6410 |
| -32.5° | 2282 | 2608 | 3001 | 3411 | 3814 | 4203 | 4595 | 4899 | 5187 | 5445 | 5665 |
| -35° | 2007 | 2283 | 2568 | 2920 | 3268 | 3620 | 3948 | 4255 | 4531 | 4757 | 4944 |
| -37.5° | 1768 | 1987 | 2226 | 2469 | 2762 | 3049 | 3335 | 3606 | 3849 | 4071 | 4249 |
| -40° | 1561 | 1726 | 1920 | 2111 | 2327 | 2531 | 2775 | 2991 | 3195 | 3394 | 3563 |
| -42.5° | 1372 | 1512 | 1653 | 1812 | 1967 | 2129 | 2302 | 2455 | 2616 | 2773 | 2904 |
| -45° | 1213 | 1325 | 1435 | 1559 | 1673 | 1801 | 1924 | 2046 | 2153 | 2260 | 2350 |
| -47.5° | 1079 | 1159 | 1253 | 1345 | 1435 | 1531 | 1619 | 1703 | 1790 | 1863 | 1925 |
| -50° | 955 | 1022 | 1094 | 1161 | 1234 | 1305 | 1368 | 1432 | 1495 | 1551 | 1596 |
| -52.5° | 850 | 902 | 957 | 1009 | 1066 | 1116 | 1163 | 1213 | 1258 | 1298 | 1331 |
| -55° | 751 | 795 | 838 | 880 | 922 | 960 | 997 | 1034 | 1067 | 1094 | 1117 |
| -57.5° | 666 | 701 | 734 | 769 | 800 | 828 | 856 | 885 | 910 | 930 | 947 |
| -60° | 589 | 617 | 644 | 671 | 698 | 719 | 743 | 763 | 780 | 795 | 808 |
| -62.5° | 520 | 544 | 565 | 587 | 604 | 622 | 641 | 657 | 671 | 682 | 691 |
| -65° | 458 | 478 | 497 | 514 | 529 | 544 | 555 | 567 | 577 | 585 | 590 |
| -67.5° | 403 | 418 | 433 | 448 | 462 | 473 | 482 | 490 | 497 | 504 | 507 |
| -70° | 353 | 365 | 376 | 388 | 400 | 408 | 415 | 422 | 425 | 427 | 427 |
| -72.5° | 304 | 315 | 325 | 335 | 343 | 348 | 353 | 356 | 360 | 353 | 343 |
| -75° | 258 | 266 | 273 | 279 | 286 | 289 | 291 | 291 | 291 | 278 | 261 |
| -77.5° | 206 | 216 | 223 | 228 | 233 | 234 | 233 | 233 | 231 | 216 | 197 |
| -80° | 166 | 174 | 179 | 184 | 189 | 187 | 186 | 182 | 181 | 164 | 147 |
| -82.5° | 125 | 131 | 134 | 139 | 142 | 142 | 141 | 139 | 136 | 122 | 107 |
| -85° | 84 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 77 | 69 |
| -87.5° | 42 | 42 | 42 | 42 | 40 | 42 | 42 | 44 | 45 | 40 | 35 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 28 | 23 | 22 | 18 | 22 | 23 | 28 | 35 | 40 | 45 | 44 |
| 85° | 59 | 49 | 47 | 44 | 47 | 49 | 59 | 69 | 77 | 85 | 85 |
| 82.5° | 94 | 77 | 74 | 70 | 74 | 77 | 94 | 107 | 122 | 136 | 139 |
| 80° | 132 | 112 | 109 | 105 | 109 | 112 | 132 | 147 | 164 | 181 | 182 |
| 77.5° | 179 | 161 | 154 | 149 | 154 | 161 | 179 | 197 | 216 | 231 | 233 |
| 75° | 243 | 224 | 219 | 214 | 219 | 224 | 243 | 261 | 278 | 291 | 291 |
| 72.5° | 331 | 323 | 309 | 298 | 309 | 323 | 331 | 343 | 353 | 360 | 356 |
| 70° | 428 | 432 | 428 | 423 | 428 | 432 | 428 | 427 | 427 | 425 | 422 |
| 67.5° | 509 | 512 | 512 | 514 | 512 | 512 | 509 | 507 | 504 | 497 | 490 |
| 65° | 596 | 597 | 602 | 604 | 602 | 597 | 596 | 590 | 585 | 577 | 567 |
| 62.5° | 696 | 701 | 704 | 704 | 704 | 701 | 696 | 691 | 682 | 671 | 657 |
| 60° | 816 | 823 | 831 | 833 | 831 | 823 | 816 | 808 | 795 | 780 | 763 |
| 57.5° | 960 | 969 | 980 | 984 | 980 | 969 | 960 | 947 | 930 | 910 | 885 |
| 55° | 1134 | 1146 | 1153 | 1149 | 1153 | 1146 | 1134 | 1117 | 1094 | 1067 | 1034 |
| 52.5° | 1360 | 1380 | 1393 | 1387 | 1393 | 1380 | 1360 | 1331 | 1298 | 1258 | 1213 |
| 50° | 1633 | 1658 | 1674 | 1669 | 1674 | 1658 | 1633 | 1596 | 1551 | 1495 | 1432 |
| 47.5° | 1974 | 2009 | 2037 | 2039 | 2037 | 2009 | 1974 | 1925 | 1863 | 1790 | 1703 |
| 45° | 2422 | 2474 | 2512 | 2506 | 2512 | 2474 | 2422 | 2350 | 2260 | 2153 | 2046 |
| 42.5° | 3004 | 3076 | 3133 | 3128 | 3133 | 3076 | 3004 | 2904 | 2773 | 2616 | 2455 |
| 40° | 3688 | 3777 | 3852 | 3872 | 3852 | 3777 | 3688 | 3563 | 3394 | 3195 | 2991 |
| 37.5° | 4392 | 4506 | 4602 | 4591 | 4602 | 4506 | 4392 | 4249 | 4071 | 3849 | 3606 |
| 35° | 5100 | 5219 | 5312 | 5321 | 5312 | 5219 | 5100 | 4944 | 4757 | 4531 | 4255 |
| 32.5° | 5841 | 5973 | 6083 | 6099 | 6083 | 5973 | 5841 | 5665 | 5445 | 5187 | 4899 |
| 30° | 6614 | 6773 | 6905 | 6932 | 6905 | 6773 | 6614 | 6410 | 6162 | 5873 | 5538 |
| 27.5° | 7427 | 7616 | 7741 | 7790 | 7741 | 7616 | 7427 | 7181 | 6873 | 6569 | 6202 |
| 25° | 8265 | 8470 | 8611 | 8689 | 8611 | 8470 | 8265 | 7999 | 7666 | 7293 | 6865 |
| 22.5° | 9139 | 9384 | 9566 | 9653 | 9566 | 9384 | 9139 | 8830 | 8455 | 8025 | 7534 |
| 20° | 10043 | 10309 | 10521 | 10611 | 10521 | 10309 | 10043 | 9681 | 9255 | 8736 | 8188 |
| 17.5° | 10963 | 11287 | 11523 | 11638 | 11523 | 11287 | 10963 | 10580 | 10048 | 9444 | 8818 |
| 15° | 11856 | 12200 | 12456 | 12580 | 12456 | 12200 | 11856 | 11401 | 10805 | 10136 | 9432 |
| 12.5° | 12684 | 13048 | 13304 | 13483 | 13304 | 13048 | 12684 | 12167 | 11521 | 10800 | 10019 |
| 10° | 13423 | 13821 | 14080 | 14266 | 14080 | 13821 | 13423 | 12844 | 12142 | 11376 | 10539 |
| 7.5° | 13977 | 14480 | 14773 | 14955 | 14773 | 14480 | 13977 | 13368 | 12632 | 11809 | 10924 |
| 5° | 14402 | 14957 | 15223 | 15395 | 15223 | 14957 | 14402 | 13774 | 13022 | 12170 | 11267 |
| 2.5° | 14713 | 15151 | 15484 | 15656 | 15484 | 15151 | 14713 | 14072 | 13234 | 12359 | 11436 |
| 0° | 14835 | 15350 | 15586 | 15698 | 15586 | 15350 | 14835 | 14164 | 13376 | 12426 | 11479 |
| -2.5° | 14713 | 15151 | 15484 | 15656 | 15484 | 15151 | 14713 | 14072 | 13234 | 12359 | 11436 |
| -5° | 14402 | 14957 | 15223 | 15395 | 15223 | 14957 | 14402 | 13774 | 13022 | 12170 | 11267 |
| -7.5° | 13977 | 14480 | 14773 | 14955 | 14773 | 14480 | 13977 | 13368 | 12632 | 11809 | 10924 |
| -10° | 13423 | 13821 | 14080 | 14266 | 14080 | 13821 | 13423 | 12844 | 12142 | 11376 | 10539 |
| -12.5° | 12684 | 13048 | 13304 | 13483 | 13304 | 13048 | 12684 | 12167 | 11521 | 10800 | 10019 |
| -15° | 11856 | 12200 | 12456 | 12580 | 12456 | 12200 | 11856 | 11401 | 10805 | 10136 | 9432 |
| -17.5° | 10963 | 11287 | 11523 | 11638 | 11523 | 11287 | 10963 | 10580 | 10048 | 9444 | 8818 |
| -20° | 10043 | 10309 | 10521 | 10611 | 10521 | 10309 | 10043 | 9681 | 9255 | 8736 | 8188 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

CANDELA DISTRIBUTION (continued):

| | -7.5° | -5° | -2.5° | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° |
|--------|-------|------|-------|------|------|------|------|------|-------|------|-------|
| -22.5° | 9139 | 9384 | 9566 | 9653 | 9566 | 9384 | 9139 | 8830 | 8455 | 8025 | 7534 |
| -25° | 8265 | 8470 | 8611 | 8689 | 8611 | 8470 | 8265 | 7999 | 7666 | 7293 | 6865 |
| -27.5° | 7427 | 7616 | 7741 | 7790 | 7741 | 7616 | 7427 | 7181 | 6873 | 6569 | 6202 |
| -30° | 6614 | 6773 | 6905 | 6932 | 6905 | 6773 | 6614 | 6410 | 6162 | 5873 | 5538 |
| -32.5° | 5841 | 5973 | 6083 | 6099 | 6083 | 5973 | 5841 | 5665 | 5445 | 5187 | 4899 |
| -35° | 5100 | 5219 | 5312 | 5321 | 5312 | 5219 | 5100 | 4944 | 4757 | 4531 | 4255 |
| -37.5° | 4392 | 4506 | 4602 | 4591 | 4602 | 4506 | 4392 | 4249 | 4071 | 3849 | 3606 |
| -40° | 3688 | 3777 | 3852 | 3872 | 3852 | 3777 | 3688 | 3563 | 3394 | 3195 | 2991 |
| -42.5° | 3004 | 3076 | 3133 | 3128 | 3133 | 3076 | 3004 | 2904 | 2773 | 2616 | 2455 |
| -45° | 2422 | 2474 | 2512 | 2506 | 2512 | 2474 | 2422 | 2350 | 2260 | 2153 | 2046 |
| -47.5° | 1974 | 2009 | 2037 | 2039 | 2037 | 2009 | 1974 | 1925 | 1863 | 1790 | 1703 |
| -50° | 1633 | 1658 | 1674 | 1669 | 1674 | 1658 | 1633 | 1596 | 1551 | 1495 | 1432 |
| -52.5° | 1360 | 1380 | 1393 | 1387 | 1393 | 1380 | 1360 | 1331 | 1298 | 1258 | 1213 |
| -55° | 1134 | 1146 | 1153 | 1149 | 1153 | 1146 | 1134 | 1117 | 1094 | 1067 | 1034 |
| -57.5° | 960 | 969 | 980 | 984 | 980 | 969 | 960 | 947 | 930 | 910 | 885 |
| -60° | 816 | 823 | 831 | 833 | 831 | 823 | 816 | 808 | 795 | 780 | 763 |
| -62.5° | 696 | 701 | 704 | 704 | 704 | 701 | 696 | 691 | 682 | 671 | 657 |
| -65° | 596 | 597 | 602 | 604 | 602 | 597 | 596 | 590 | 585 | 577 | 567 |
| -67.5° | 509 | 512 | 512 | 514 | 512 | 512 | 509 | 507 | 504 | 497 | 490 |
| -70° | 428 | 432 | 428 | 423 | 428 | 432 | 428 | 427 | 427 | 425 | 422 |
| -72.5° | 331 | 323 | 309 | 298 | 309 | 323 | 331 | 343 | 353 | 360 | 356 |
| -75° | 243 | 224 | 219 | 214 | 219 | 224 | 243 | 261 | 278 | 291 | 291 |
| -77.5° | 179 | 161 | 154 | 149 | 154 | 161 | 179 | 197 | 216 | 231 | 233 |
| -80° | 132 | 112 | 109 | 105 | 109 | 112 | 132 | 147 | 164 | 181 | 182 |
| -82.5° | 94 | 77 | 74 | 70 | 74 | 77 | 94 | 107 | 122 | 136 | 139 |
| -85° | 59 | 49 | 47 | 44 | 47 | 49 | 59 | 69 | 77 | 85 | 85 |
| -87.5° | 28 | 23 | 22 | 18 | 22 | 23 | 28 | 35 | 40 | 45 | 44 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 42 | 42 | 40 | 42 | 42 | 42 | 42 | 37 | 34 | 30 | 27 |
| 85° | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 77 | 69 | 62 | 55 |
| 82.5° | 141 | 142 | 142 | 139 | 134 | 131 | 125 | 114 | 102 | 92 | 82 |
| 80° | 186 | 187 | 189 | 184 | 179 | 174 | 166 | 151 | 136 | 120 | 109 |
| 77.5° | 233 | 234 | 233 | 228 | 223 | 216 | 206 | 191 | 176 | 161 | 149 |
| 75° | 291 | 289 | 286 | 279 | 273 | 266 | 258 | 244 | 228 | 209 | 196 |
| 72.5° | 353 | 348 | 343 | 335 | 325 | 315 | 304 | 293 | 279 | 264 | 251 |
| 70° | 415 | 408 | 400 | 388 | 376 | 365 | 353 | 338 | 325 | 309 | 296 |
| 67.5° | 482 | 473 | 462 | 448 | 433 | 418 | 403 | 386 | 370 | 353 | 338 |
| 65° | 555 | 544 | 529 | 514 | 497 | 478 | 458 | 438 | 420 | 398 | 380 |
| 62.5° | 641 | 622 | 604 | 587 | 565 | 544 | 520 | 497 | 473 | 450 | 425 |
| 60° | 743 | 719 | 698 | 671 | 644 | 617 | 589 | 560 | 530 | 504 | 473 |
| 57.5° | 856 | 828 | 800 | 769 | 734 | 701 | 666 | 629 | 596 | 560 | 525 |
| 55° | 997 | 960 | 922 | 880 | 838 | 795 | 751 | 708 | 666 | 621 | 582 |
| 52.5° | 1163 | 1116 | 1066 | 1009 | 957 | 902 | 850 | 795 | 743 | 691 | 641 |
| 50° | 1368 | 1305 | 1234 | 1161 | 1094 | 1022 | 955 | 890 | 826 | 766 | 706 |
| 47.5° | 1619 | 1531 | 1435 | 1345 | 1253 | 1159 | 1079 | 1000 | 920 | 845 | 778 |
| 45° | 1924 | 1801 | 1673 | 1559 | 1435 | 1325 | 1213 | 1116 | 1022 | 937 | 851 |
| 42.5° | 2302 | 2129 | 1967 | 1812 | 1653 | 1512 | 1372 | 1251 | 1137 | 1032 | 937 |
| 40° | 2775 | 2531 | 2327 | 2111 | 1920 | 1726 | 1561 | 1405 | 1265 | 1139 | 1022 |
| 37.5° | 3335 | 3049 | 2762 | 2469 | 2226 | 1987 | 1768 | 1576 | 1407 | 1255 | 1119 |
| 35° | 3948 | 3620 | 3268 | 2920 | 2568 | 2283 | 2007 | 1766 | 1561 | 1377 | 1219 |
| 32.5° | 4595 | 4203 | 3814 | 3411 | 3001 | 2608 | 2282 | 1982 | 1725 | 1514 | 1328 |
| 30° | 5172 | 4777 | 4354 | 3914 | 3456 | 2997 | 2573 | 2225 | 1919 | 1653 | 1439 |
| 27.5° | 5784 | 5336 | 4879 | 4407 | 3916 | 3406 | 2914 | 2471 | 2113 | 1813 | 1561 |
| 25° | 6395 | 5901 | 5391 | 4881 | 4361 | 3815 | 3252 | 2752 | 2327 | 1972 | 1669 |
| 22.5° | 6998 | 6458 | 5903 | 5324 | 4772 | 4197 | 3608 | 3024 | 2524 | 2129 | 1796 |
| 20° | 7609 | 7002 | 6400 | 5772 | 5157 | 4570 | 3937 | 3312 | 2757 | 2292 | 1914 |
| 17.5° | 8191 | 7532 | 6850 | 6165 | 5516 | 4876 | 4232 | 3590 | 2971 | 2439 | 2031 |
| 15° | 8741 | 8007 | 7273 | 6535 | 5828 | 5170 | 4494 | 3830 | 3173 | 2594 | 2133 |
| 12.5° | 9216 | 8412 | 7647 | 6876 | 6124 | 5424 | 4727 | 4039 | 3364 | 2745 | 2236 |
| 10° | 9648 | 8781 | 7974 | 7172 | 6393 | 5644 | 4919 | 4213 | 3519 | 2867 | 2320 |
| 7.5° | 10016 | 9111 | 8246 | 7402 | 6592 | 5809 | 5065 | 4347 | 3640 | 2961 | 2385 |
| 5° | 10299 | 9333 | 8430 | 7550 | 6724 | 5920 | 5169 | 4443 | 3725 | 3028 | 2427 |
| 2.5° | 10432 | 9466 | 8529 | 7632 | 6838 | 6018 | 5262 | 4528 | 3797 | 3091 | 2472 |
| 0° | 10499 | 9514 | 8574 | 7703 | 6886 | 6058 | 5287 | 4540 | 3795 | 3099 | 2476 |
| -2.5° | 10432 | 9466 | 8529 | 7632 | 6838 | 6018 | 5262 | 4528 | 3797 | 3091 | 2472 |
| -5° | 10299 | 9333 | 8430 | 7550 | 6724 | 5920 | 5169 | 4443 | 3725 | 3028 | 2427 |
| -7.5° | 10016 | 9111 | 8246 | 7402 | 6592 | 5809 | 5065 | 4347 | 3640 | 2961 | 2385 |
| -10° | 9648 | 8781 | 7974 | 7172 | 6393 | 5644 | 4919 | 4213 | 3519 | 2867 | 2320 |
| -12.5° | 9216 | 8412 | 7647 | 6876 | 6124 | 5424 | 4727 | 4039 | 3364 | 2745 | 2236 |
| -15° | 8741 | 8007 | 7273 | 6535 | 5828 | 5170 | 4494 | 3830 | 3173 | 2594 | 2133 |
| -17.5° | 8191 | 7532 | 6850 | 6165 | 5516 | 4876 | 4232 | 3590 | 2971 | 2439 | 2031 |
| -20° | 7609 | 7002 | 6400 | 5772 | 5157 | 4570 | 3937 | 3312 | 2757 | 2292 | 1914 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

CANDELA DISTRIBUTION (continued):

| | 20° | 22.5° | 25° | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° |
|--------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| -22.5° | 6998 | 6458 | 5903 | 5324 | 4772 | 4197 | 3608 | 3024 | 2524 | 2129 | 1796 |
| -25° | 6395 | 5901 | 5391 | 4881 | 4361 | 3815 | 3252 | 2752 | 2327 | 1972 | 1669 |
| -27.5° | 5784 | 5336 | 4879 | 4407 | 3916 | 3406 | 2914 | 2471 | 2113 | 1813 | 1561 |
| -30° | 5172 | 4777 | 4354 | 3914 | 3456 | 2997 | 2573 | 2225 | 1919 | 1653 | 1439 |
| -32.5° | 4595 | 4203 | 3814 | 3411 | 3001 | 2608 | 2282 | 1982 | 1725 | 1514 | 1328 |
| -35° | 3948 | 3620 | 3268 | 2920 | 2568 | 2283 | 2007 | 1766 | 1561 | 1377 | 1219 |
| -37.5° | 3335 | 3049 | 2762 | 2469 | 2226 | 1987 | 1768 | 1576 | 1407 | 1255 | 1119 |
| -40° | 2775 | 2531 | 2327 | 2111 | 1920 | 1726 | 1561 | 1405 | 1265 | 1139 | 1022 |
| -42.5° | 2302 | 2129 | 1967 | 1812 | 1653 | 1512 | 1372 | 1251 | 1137 | 1032 | 937 |
| -45° | 1924 | 1801 | 1673 | 1559 | 1435 | 1325 | 1213 | 1116 | 1022 | 937 | 851 |
| -47.5° | 1619 | 1531 | 1435 | 1345 | 1253 | 1159 | 1079 | 1000 | 920 | 845 | 778 |
| -50° | 1368 | 1305 | 1234 | 1161 | 1094 | 1022 | 955 | 890 | 826 | 766 | 706 |
| -52.5° | 1163 | 1116 | 1066 | 1009 | 957 | 902 | 850 | 795 | 743 | 691 | 641 |
| -55° | 997 | 960 | 922 | 880 | 838 | 795 | 751 | 708 | 666 | 621 | 582 |
| -57.5° | 856 | 828 | 800 | 769 | 734 | 701 | 666 | 629 | 596 | 560 | 525 |
| -60° | 743 | 719 | 698 | 671 | 644 | 617 | 589 | 560 | 530 | 504 | 473 |
| -62.5° | 641 | 622 | 604 | 587 | 565 | 544 | 520 | 497 | 473 | 450 | 425 |
| -65° | 555 | 544 | 529 | 514 | 497 | 478 | 458 | 438 | 420 | 398 | 380 |
| -67.5° | 482 | 473 | 462 | 448 | 433 | 418 | 403 | 386 | 370 | 353 | 338 |
| -70° | 415 | 408 | 400 | 388 | 376 | 365 | 353 | 338 | 325 | 309 | 296 |
| -72.5° | 353 | 348 | 343 | 335 | 325 | 315 | 304 | 293 | 279 | 264 | 251 |
| -75° | 291 | 289 | 286 | 279 | 273 | 266 | 258 | 244 | 228 | 209 | 196 |
| -77.5° | 233 | 234 | 233 | 228 | 223 | 216 | 206 | 191 | 176 | 161 | 149 |
| -80° | 186 | 187 | 189 | 184 | 179 | 174 | 166 | 151 | 136 | 120 | 109 |
| -82.5° | 141 | 142 | 142 | 139 | 134 | 131 | 125 | 114 | 102 | 92 | 82 |
| -85° | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 77 | 69 | 62 | 55 |
| -87.5° | 42 | 42 | 40 | 42 | 42 | 42 | 42 | 37 | 34 | 30 | 27 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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 CATALOG NUMBER: IFLD-M-SA4A-727-U-66

CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|------|-------|------|-------|-----|-------|-----|-------|-----|-------|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 28 | 30 | 32 | 32 | 32 | 30 | 28 | 27 | 23 | 22 | 20 |
| 85° | 59 | 60 | 64 | 65 | 62 | 60 | 55 | 52 | 49 | 44 | 40 |
| 82.5° | 87 | 90 | 94 | 94 | 90 | 87 | 82 | 77 | 72 | 65 | 59 |
| 80° | 115 | 120 | 125 | 125 | 120 | 114 | 107 | 100 | 94 | 85 | 77 |
| 77.5° | 152 | 156 | 157 | 159 | 152 | 146 | 137 | 125 | 115 | 105 | 95 |
| 75° | 192 | 192 | 194 | 191 | 184 | 179 | 167 | 154 | 139 | 125 | 112 |
| 72.5° | 241 | 233 | 229 | 224 | 212 | 202 | 194 | 182 | 162 | 144 | 129 |
| 70° | 283 | 271 | 261 | 251 | 239 | 226 | 216 | 201 | 184 | 162 | 144 |
| 67.5° | 323 | 308 | 293 | 279 | 264 | 251 | 236 | 217 | 199 | 179 | 159 |
| 65° | 363 | 345 | 326 | 308 | 291 | 274 | 258 | 236 | 214 | 194 | 172 |
| 62.5° | 403 | 381 | 360 | 338 | 318 | 298 | 279 | 254 | 229 | 207 | 184 |
| 60° | 445 | 422 | 396 | 371 | 346 | 323 | 299 | 273 | 246 | 219 | 196 |
| 57.5° | 493 | 460 | 432 | 403 | 375 | 348 | 320 | 291 | 263 | 234 | 206 |
| 55° | 542 | 505 | 468 | 437 | 405 | 375 | 341 | 309 | 278 | 248 | 216 |
| 52.5° | 594 | 550 | 510 | 470 | 435 | 400 | 365 | 331 | 294 | 261 | 223 |
| 50° | 651 | 599 | 552 | 507 | 465 | 427 | 388 | 350 | 311 | 274 | 231 |
| 47.5° | 711 | 651 | 596 | 544 | 498 | 452 | 410 | 370 | 328 | 289 | 239 |
| 45° | 778 | 706 | 641 | 584 | 529 | 478 | 433 | 388 | 345 | 299 | 244 |
| 42.5° | 843 | 764 | 691 | 621 | 562 | 505 | 457 | 408 | 361 | 308 | 253 |
| 40° | 920 | 823 | 741 | 666 | 596 | 532 | 477 | 427 | 378 | 318 | 259 |
| 37.5° | 1000 | 888 | 793 | 706 | 629 | 560 | 500 | 443 | 390 | 328 | 266 |
| 35° | 1081 | 955 | 845 | 748 | 664 | 589 | 522 | 462 | 401 | 336 | 273 |
| 32.5° | 1164 | 1022 | 897 | 790 | 698 | 617 | 544 | 478 | 415 | 346 | 278 |
| 30° | 1256 | 1092 | 950 | 830 | 729 | 642 | 565 | 495 | 428 | 355 | 283 |
| 27.5° | 1343 | 1158 | 1002 | 873 | 763 | 669 | 585 | 512 | 443 | 363 | 289 |
| 25° | 1430 | 1228 | 1057 | 913 | 795 | 693 | 606 | 527 | 457 | 373 | 294 |
| 22.5° | 1524 | 1296 | 1107 | 952 | 823 | 716 | 624 | 544 | 468 | 383 | 299 |
| 20° | 1609 | 1358 | 1151 | 989 | 853 | 739 | 642 | 557 | 478 | 393 | 304 |
| 17.5° | 1688 | 1422 | 1204 | 1027 | 882 | 761 | 657 | 569 | 488 | 401 | 308 |
| 15° | 1773 | 1485 | 1251 | 1061 | 907 | 780 | 672 | 580 | 497 | 410 | 309 |
| 12.5° | 1847 | 1539 | 1291 | 1091 | 928 | 795 | 684 | 589 | 505 | 418 | 313 |
| 10° | 1907 | 1582 | 1325 | 1114 | 945 | 808 | 693 | 597 | 510 | 423 | 315 |
| 7.5° | 1954 | 1616 | 1350 | 1132 | 958 | 818 | 701 | 602 | 515 | 428 | 315 |
| 5° | 1989 | 1641 | 1367 | 1146 | 969 | 826 | 708 | 607 | 520 | 435 | 316 |
| 2.5° | 2021 | 1668 | 1380 | 1158 | 977 | 833 | 713 | 611 | 520 | 433 | 313 |
| 0° | 2026 | 1673 | 1378 | 1158 | 977 | 835 | 713 | 611 | 519 | 432 | 309 |
| -2.5° | 2021 | 1668 | 1380 | 1158 | 977 | 833 | 713 | 611 | 520 | 433 | 313 |
| -5° | 1989 | 1641 | 1367 | 1146 | 969 | 826 | 708 | 607 | 520 | 435 | 316 |
| -7.5° | 1954 | 1616 | 1350 | 1132 | 958 | 818 | 701 | 602 | 515 | 428 | 315 |
| -10° | 1907 | 1582 | 1325 | 1114 | 945 | 808 | 693 | 597 | 510 | 423 | 315 |
| -12.5° | 1847 | 1539 | 1291 | 1091 | 928 | 795 | 684 | 589 | 505 | 418 | 313 |
| -15° | 1773 | 1485 | 1251 | 1061 | 907 | 780 | 672 | 580 | 497 | 410 | 309 |
| -17.5° | 1688 | 1422 | 1204 | 1027 | 882 | 761 | 657 | 569 | 488 | 401 | 308 |
| -20° | 1609 | 1358 | 1151 | 989 | 853 | 739 | 642 | 557 | 478 | 393 | 304 |



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CANDELA DISTRIBUTION (continued):

| | 47.5° | 50° | 52.5° | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° |
|--------|-------|------|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| -22.5° | 1524 | 1296 | 1107 | 952 | 823 | 716 | 624 | 544 | 468 | 383 | 299 |
| -25° | 1430 | 1228 | 1057 | 913 | 795 | 693 | 606 | 527 | 457 | 373 | 294 |
| -27.5° | 1343 | 1158 | 1002 | 873 | 763 | 669 | 585 | 512 | 443 | 363 | 289 |
| -30° | 1256 | 1092 | 950 | 830 | 729 | 642 | 565 | 495 | 428 | 355 | 283 |
| -32.5° | 1164 | 1022 | 897 | 790 | 698 | 617 | 544 | 478 | 415 | 346 | 278 |
| -35° | 1081 | 955 | 845 | 748 | 664 | 589 | 522 | 462 | 401 | 336 | 273 |
| -37.5° | 1000 | 888 | 793 | 706 | 629 | 560 | 500 | 443 | 390 | 328 | 266 |
| -40° | 920 | 823 | 741 | 666 | 596 | 532 | 477 | 427 | 378 | 318 | 259 |
| -42.5° | 843 | 764 | 691 | 621 | 562 | 505 | 457 | 408 | 361 | 308 | 253 |
| -45° | 778 | 706 | 641 | 584 | 529 | 478 | 433 | 388 | 345 | 299 | 244 |
| -47.5° | 711 | 651 | 596 | 544 | 498 | 452 | 410 | 370 | 328 | 289 | 239 |
| -50° | 651 | 599 | 552 | 507 | 465 | 427 | 388 | 350 | 311 | 274 | 231 |
| -52.5° | 594 | 550 | 510 | 470 | 435 | 400 | 365 | 331 | 294 | 261 | 223 |
| -55° | 542 | 505 | 468 | 437 | 405 | 375 | 341 | 309 | 278 | 248 | 216 |
| -57.5° | 493 | 460 | 432 | 403 | 375 | 348 | 320 | 291 | 263 | 234 | 206 |
| -60° | 445 | 422 | 396 | 371 | 346 | 323 | 299 | 273 | 246 | 219 | 196 |
| -62.5° | 403 | 381 | 360 | 338 | 318 | 298 | 279 | 254 | 229 | 207 | 184 |
| -65° | 363 | 345 | 326 | 308 | 291 | 274 | 258 | 236 | 214 | 194 | 172 |
| -67.5° | 323 | 308 | 293 | 279 | 264 | 251 | 236 | 217 | 199 | 179 | 159 |
| -70° | 283 | 271 | 261 | 251 | 239 | 226 | 216 | 201 | 184 | 162 | 144 |
| -72.5° | 241 | 233 | 229 | 224 | 212 | 202 | 194 | 182 | 162 | 144 | 129 |
| -75° | 192 | 192 | 194 | 191 | 184 | 179 | 167 | 154 | 139 | 125 | 112 |
| -77.5° | 152 | 156 | 157 | 159 | 152 | 146 | 137 | 125 | 115 | 105 | 95 |
| -80° | 115 | 120 | 125 | 125 | 120 | 114 | 107 | 100 | 94 | 85 | 77 |
| -82.5° | 87 | 90 | 94 | 94 | 90 | 87 | 82 | 77 | 72 | 65 | 59 |
| -85° | 59 | 60 | 64 | 65 | 62 | 60 | 55 | 52 | 49 | 44 | 40 |
| -87.5° | 28 | 30 | 32 | 32 | 32 | 30 | 28 | 27 | 23 | 22 | 20 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87.5° | 17 | 13 | 10 | 7 | 3 | 2 | 0 |
| 85° | 35 | 27 | 18 | 12 | 7 | 3 | 0 |
| 82.5° | 52 | 39 | 28 | 18 | 12 | 5 | 0 |
| 80° | 69 | 52 | 37 | 25 | 15 | 7 | 0 |
| 77.5° | 84 | 64 | 47 | 30 | 18 | 8 | 0 |
| 75° | 97 | 74 | 55 | 37 | 22 | 10 | 0 |
| 72.5° | 110 | 84 | 62 | 42 | 25 | 12 | 0 |
| 70° | 124 | 94 | 69 | 49 | 28 | 13 | 0 |
| 67.5° | 134 | 102 | 75 | 52 | 32 | 15 | 0 |
| 65° | 142 | 110 | 80 | 55 | 35 | 15 | 0 |
| 62.5° | 151 | 117 | 85 | 59 | 39 | 17 | 0 |
| 60° | 161 | 124 | 92 | 62 | 40 | 18 | 0 |
| 57.5° | 167 | 129 | 95 | 65 | 42 | 20 | 0 |
| 55° | 174 | 136 | 99 | 69 | 45 | 22 | 0 |
| 52.5° | 181 | 141 | 104 | 70 | 47 | 22 | 0 |
| 50° | 186 | 146 | 107 | 72 | 49 | 23 | 0 |
| 47.5° | 192 | 149 | 109 | 74 | 50 | 25 | 0 |
| 45° | 197 | 154 | 112 | 75 | 52 | 25 | 0 |
| 42.5° | 202 | 157 | 114 | 77 | 52 | 27 | 0 |
| 40° | 207 | 159 | 117 | 80 | 54 | 28 | 0 |
| 37.5° | 211 | 162 | 119 | 82 | 55 | 28 | 0 |
| 35° | 212 | 164 | 120 | 84 | 57 | 30 | 0 |
| 32.5° | 216 | 167 | 122 | 87 | 57 | 30 | 0 |
| 30° | 221 | 167 | 122 | 89 | 59 | 30 | 0 |
| 27.5° | 224 | 169 | 125 | 89 | 59 | 32 | 0 |
| 25° | 226 | 169 | 127 | 90 | 60 | 32 | 0 |
| 22.5° | 228 | 171 | 129 | 92 | 60 | 32 | 0 |
| 20° | 229 | 172 | 131 | 94 | 62 | 34 | 0 |
| 17.5° | 231 | 176 | 132 | 94 | 62 | 34 | 0 |
| 15° | 234 | 177 | 132 | 94 | 62 | 35 | 0 |
| 12.5° | 236 | 177 | 132 | 95 | 62 | 35 | 0 |
| 10° | 238 | 179 | 132 | 95 | 64 | 34 | 0 |
| 7.5° | 238 | 179 | 134 | 95 | 64 | 34 | 0 |
| 5° | 238 | 181 | 132 | 95 | 62 | 34 | 0 |
| 2.5° | 234 | 181 | 132 | 94 | 62 | 34 | 0 |
| 0° | 233 | 179 | 131 | 94 | 62 | 34 | 0 |
| -2.5° | 234 | 181 | 132 | 94 | 62 | 34 | 0 |
| -5° | 238 | 181 | 132 | 95 | 62 | 34 | 0 |
| -7.5° | 238 | 179 | 134 | 95 | 64 | 34 | 0 |
| -10° | 238 | 179 | 132 | 95 | 64 | 34 | 0 |
| -12.5° | 236 | 177 | 132 | 95 | 62 | 35 | 0 |
| -15° | 234 | 177 | 132 | 94 | 62 | 35 | 0 |
| -17.5° | 231 | 176 | 132 | 94 | 62 | 34 | 0 |
| -20° | 229 | 172 | 131 | 94 | 62 | 34 | 0 |



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CANDELA DISTRIBUTION (continued):

| | 75° | 77.5° | 80° | 82.5° | 85° | 87.5° | 90° |
|--------|-----|-------|-----|-------|-----|-------|-----|
| -22.5° | 228 | 171 | 129 | 92 | 60 | 32 | 0 |
| -25° | 226 | 169 | 127 | 90 | 60 | 32 | 0 |
| -27.5° | 224 | 169 | 125 | 89 | 59 | 32 | 0 |
| -30° | 221 | 167 | 122 | 89 | 59 | 30 | 0 |
| -32.5° | 216 | 167 | 122 | 87 | 57 | 30 | 0 |
| -35° | 212 | 164 | 120 | 84 | 57 | 30 | 0 |
| -37.5° | 211 | 162 | 119 | 82 | 55 | 28 | 0 |
| -40° | 207 | 159 | 117 | 80 | 54 | 28 | 0 |
| -42.5° | 202 | 157 | 114 | 77 | 52 | 27 | 0 |
| -45° | 197 | 154 | 112 | 75 | 52 | 25 | 0 |
| -47.5° | 192 | 149 | 109 | 74 | 50 | 25 | 0 |
| -50° | 186 | 146 | 107 | 72 | 49 | 23 | 0 |
| -52.5° | 181 | 141 | 104 | 70 | 47 | 22 | 0 |
| -55° | 174 | 136 | 99 | 69 | 45 | 22 | 0 |
| -57.5° | 167 | 129 | 95 | 65 | 42 | 20 | 0 |
| -60° | 161 | 124 | 92 | 62 | 40 | 18 | 0 |
| -62.5° | 151 | 117 | 85 | 59 | 39 | 17 | 0 |
| -65° | 142 | 110 | 80 | 55 | 35 | 15 | 0 |
| -67.5° | 134 | 102 | 75 | 52 | 32 | 15 | 0 |
| -70° | 124 | 94 | 69 | 49 | 28 | 13 | 0 |
| -72.5° | 110 | 84 | 62 | 42 | 25 | 12 | 0 |
| -75° | 97 | 74 | 55 | 37 | 22 | 10 | 0 |
| -77.5° | 84 | 64 | 47 | 30 | 18 | 8 | 0 |
| -80° | 69 | 52 | 37 | 25 | 15 | 7 | 0 |
| -82.5° | 52 | 39 | 28 | 18 | 12 | 5 | 0 |
| -85° | 35 | 27 | 18 | 12 | 7 | 3 | 0 |
| -87.5° | 17 | 13 | 10 | 7 | 3 | 2 | 0 |
| -90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)