

| 89°10  | 89°15 | 89°05 | 89°10 | 89°15  | 89°05  |
|--------|-------|-------|-------|--------|--------|
| 88° 55 | 89    | 88    | 88°50 | 88° 55 | 88° 40 |
| 88° 40 |       |       | 88°30 | 88°10  | 88° 20 |
| 88° 20 |       |       |       | 87° 40 | 87°20  |
| 88°30  |       |       |       |        | 87° 40 |
| 88°10  |       |       |       |        | 87°20  |
| 88° 20 |       |       |       |        | 87° 40 |
| 86° 40 |       |       |       |        | 86° 20 |
| 86° 40 |       |       |       |        | 86° 40 |
| 85° 40 |       |       |       |        | 85° 40 |
| 84° 30 |       |       |       |        | 84° 30 |
| 85° 40 |       |       |       |        | 85° 20 |
| 83° 30 |       |       |       |        | 86°20  |
| 83° 30 |       |       |       |        | 86°20  |
| 82°30  |       |       |       |        | 82°30  |
| 82°30  |       |       |       |        | 82°30  |
| 80°30  |       |       |       |        | 80°30  |
| 80°30  |       |       |       |        | 80°30  |
| 79° 30 |       |       |       |        | 79° 30 |
| 79° 30 |       |       |       |        | 79° 30 |
| 77     |       |       |       |        | 77     |
| 74     |       |       |       |        | 74     |
| 75     |       |       |       |        | 75     |
| 75     |       |       |       |        | 75     |
| 73     |       |       |       |        | 73     |
| 71     |       |       |       |        | 71     |
| 72     |       |       |       |        | 72     |
| 70     |       |       |       |        | 70     |
| 69     |       |       |       |        | 69     |
| 67     |       |       |       |        | 67     |
| 68     |       |       |       |        | 68     |
| 66     |       |       |       |        | 66     |
| 64     |       |       |       |        | 64     |
| 65     |       |       |       |        | 65     |
| 61     |       |       |       |        | 61     |
| 62     |       |       |       |        | 62     |
| 58     |       |       |       |        | 58     |
| 59     |       |       |       |        | 59     |
| 60     |       |       |       |        | 60     |
| 61     |       |       |       |        | 61     |
| 56     |       |       |       |        | 56     |
| 57     |       |       |       |        | 57     |
| 55     |       |       |       |        | 55     |
| 54     |       |       |       |        | 54     |
| 53     |       |       |       |        | 53     |
| 52     |       |       |       |        | 52     |
| 51     |       |       |       |        | 51     |
| 45     |       |       |       |        | 45     |
| 46     |       |       |       |        | 46     |
| 47     |       |       |       |        | 47     |
| 48     |       |       |       |        | 48     |
| 49     |       |       |       |        | 49     |
| 50     |       |       |       |        | 50     |
| 51     |       |       |       |        | 51     |
| 39     |       |       |       |        | 44     |
| 40     |       |       |       |        | 42     |
| 41     |       |       |       |        | 43     |
| 42     |       |       |       |        | 44     |
| 35     |       |       |       |        | 38     |
| 36     |       |       |       |        | 37     |
| 37     |       |       |       |        | 36     |
| 38     |       |       |       |        | 37     |
| 33     |       |       |       |        | 33     |
| 34     |       |       |       |        | 34     |
| 35     |       |       |       |        | 35     |
| 36     |       |       |       |        | 36     |
| 37     |       |       |       |        | 37     |
| 32     |       |       |       |        | 32     |
| 31     |       |       |       |        | 31     |
| 30     |       |       |       |        | 30     |
| 29     |       |       |       |        | 30     |
| 25     |       |       |       |        | 31     |
| 26     |       |       |       |        | 32     |
| 27     |       |       |       |        | 32     |
| 28     |       |       |       |        | 33     |
| 24     |       |       |       |        | 33     |
| 23     |       |       |       |        | 34     |
| 22     |       |       |       |        | 34     |
| 18     |       |       |       |        | 35     |
| 19     |       |       |       |        | 35     |
| 20     |       |       |       |        | 36     |
| 17     |       |       |       |        | 36     |
| 16     |       |       |       |        | 37     |
| 15     |       |       |       |        | 37     |
| 14     |       |       |       |        | 38     |
| 13     |       |       |       |        | 38     |
| 12     |       |       |       |        | 39     |
| 10     |       |       |       |        | 39     |
| 9      |       |       |       |        | 40     |
| 8      |       |       |       |        | 40     |
| 7°30   |       |       |       |        | 40     |
| 6      |       |       |       |        | 41     |
| 5      |       |       |       |        | 41     |
| 6°30   |       |       |       |        | 42     |
| 5      |       |       |       |        | 42     |
| 5°30   |       |       |       |        | 43     |
| 4      |       |       |       |        | 43     |
| 3°30   |       |       |       |        | 44     |
| 3      |       |       |       |        | 44     |
| 2°20   |       |       |       |        | 45     |
| 2      |       |       |       |        | 45     |
| 1°50   |       |       |       |        | 46     |
| 1°30   |       |       |       |        | 46     |
| 1°10   |       |       |       |        | 47     |
| 1°05   |       |       |       |        | 47     |
| 0°55   |       |       |       |        | 48     |
| 0°55   |       |       |       |        | 48     |
| 0°55   |       |       |       |        | 49     |
| 0°55   |       |       |       |        | 49     |
| 0°55   |       |       |       |        | 50     |

## COTANGENT SCALE