

Appendix B

| Latitude/ ° | Tracking mode | NO. | Mirror shape | W_m / m | D_m / m | H_R / m | r_a / m | r /m | θ_a /° | θ_{max} /° | MSF_b / % | $\eta_{y,n}$ / % | $\delta_{q,n}$ / % | Recommend |
|----------------|---------------|-----|--------------|--------------|--------------|--------------|--------------|--------|---------------|-------------------|----------------|---------------------|-----------------------|-----------|
| 0 | N-S | 1 | Flat | 0.59 | 1.17 | 11.84 | 0.10 | 0.20 | 53.66 | 216.34 | ∞ | 51.81 | 8.77 | |
| | | 2 | Cylindrical | 0.48 | 0.89 | 13.50 | 0.04 | 0.14 | 42.22 | 227.78 | 33.29 | 54.60 | 7.62 | ✓ |
| | | 3 | Parabolic | 0.67 | 1.27 | 14.10 | 0.04 | 0.12 | 50.70 | 219.30 | 22.62 | 46.49 | 6.07 | |
| | E-W | 4 | Flat | 0.39 | 0.76 | 12.34 | 0.06 | 0.16 | 37.73 | 232.27 | ∞ | 44.36 | 5.13 | ✓ ✓ ✓ ✓ |
| | | 5 | Cylindrical | 0.64 | 0.94 | 11.93 | 0.05 | 0.10 | 46.64 | 223.36 | 36.37 | 43.92 | 7.05 | |
| 15 | N-S | 6 | Parabolic | 0.50 | 0.68 | 8.36 | 0.07 | 0.15 | 49.13 | 220.87 | 29.48 | 46.64 | 7.65 | |
| | | 7 | Flat | 0.50 | 1.00 | 13.26 | 0.09 | 0.19 | 44.59 | 225.41 | ∞ | 52.68 | 9.32 | |
| | | 8 | Cylindrical | 0.56 | 0.98 | 13.26 | 0.04 | 0.11 | 44.79 | 225.21 | 33.12 | 49.43 | 6.86 | ✓ |
| | E-W | 9 | Parabolic | 0.66 | 1.20 | 16.44 | 0.05 | 0.11 | 46.75 | 223.25 | 23.83 | 50.53 | 8.12 | |
| | | 10 | Flat | 0.53 | 0.92 | 11.83 | 0.09 | 0.20 | 45.08 | 224.92 | ∞ | 44.04 | 5.49 | |
| 30 | N-S | 11 | Cylindrical | 0.60 | 0.83 | 9.60 | 0.05 | 0.12 | 49.74 | 220.26 | 37.46 | 43.66 | 7.13 | |
| | | 12 | Parabolic | 0.59 | 0.90 | 12.50 | 0.05 | 0.15 | 42.56 | 227.44 | 28.61 | 40.76 | 4.44 | ✓ ✓ ✓ |
| | | 13 | Flat | 0.53 | 1.05 | 8.94 | 0.09 | 0.17 | 57.17 | 212.83 | ∞ | 46.79 | 9.26 | |
| | E-W | 14 | Cylindrical | 0.59 | 1.00 | 13.99 | 0.04 | 0.12 | 44.69 | 225.31 | 39.97 | 44.30 | 5.99 | ✓ ✓ ✓ |
| | | 15 | Parabolic | 0.71 | 1.28 | 14.96 | 0.05 | 0.11 | 52.81 | 217.19 | 23.57 | 44.66 | 8.89 | |
| 45 | N-S | 16 | Flat | 0.47 | 0.83 | 11.91 | 0.08 | 0.18 | 42.39 | 227.61 | ∞ | 44.13 | 6.45 | |
| | | 17 | Cylindrical | 0.63 | 1.01 | 15.29 | 0.05 | 0.14 | 41.14 | 228.86 | 37.39 | 42.55 | 7.24 | |
| | | 18 | Parabolic | 0.61 | 1.04 | 13.02 | 0.06 | 0.13 | 46.80 | 223.20 | 28.84 | 39.86 | 5.51 | ✓ |
| | E-W | 19 | Flat | 0.48 | 0.94 | 11.48 | 0.09 | 0.19 | 48.03 | 221.97 | ∞ | 44.63 | 12.52 | |
| | | 20 | Cylindrical | 0.47 | 0.87 | 13.09 | 0.04 | 0.12 | 40.93 | 229.07 | 35.53 | 41.51 | 7.70 | ✓ |
| 60 | N-S | 21 | Parabolic | 0.64 | 1.23 | 17.35 | 0.05 | 0.13 | 45.52 | 224.48 | 24.96 | 38.94 | 7.78 | |
| | | 22 | Flat | 0.50 | 0.97 | 12.01 | 0.08 | 0.16 | 47.24 | 222.76 | ∞ | 38.49 | 7.12 | |
| | | 23 | Cylindrical | 0.48 | 0.93 | 12.56 | 0.04 | 0.10 | 44.77 | 225.23 | 37.38 | 38.80 | 6.62 | |
| | E-W | 24 | Parabolic | 0.45 | 0.85 | 12.22 | 0.04 | 0.11 | 42.28 | 227.72 | 21.35 | 38.32 | 6.10 | ✓ ✓ ✓ |
| | | 25 | Flat | 0.58 | 1.15 | 14.45 | 0.09 | 0.15 | 46.57 | 223.43 | ∞ | 36.27 | 13.17 | |
| 75 | N-S | 26 | Cylindrical | 0.53 | 1.02 | 14.10 | 0.04 | 0.11 | 45.53 | 224.47 | 38.49 | 33.85 | 7.00 | ✓ ✓ ✓ |
| | | 27 | Parabolic | 0.57 | 1.08 | 15.24 | 0.05 | 0.13 | 45.55 | 224.45 | 19.73 | 35.54 | 8.88 | |
| | | 28 | Flat | 0.53 | 1.02 | 11.72 | 0.09 | 0.19 | 48.58 | 221.42 | ∞ | 36.70 | 8.98 | |
| | E-W | 29 | Cylindrical | 0.46 | 0.91 | 11.84 | 0.04 | 0.12 | 43.13 | 226.87 | 38.10 | 37.08 | 8.07 | |
| | | 30 | Parabolic | 0.45 | 0.85 | 12.74 | 0.05 | 0.13 | 42.97 | 227.03 | 20.85 | 37.09 | 7.74 | ✓ |
| 75 | N-S | 31 | Flat | 0.42 | 0.83 | 7.97 | 0.07 | 0.15 | 59.94 | 210.06 | ∞ | 29.83 | 11.55 | |
| | | 32 | Cylindrical | 0.49 | 0.97 | 11.17 | 0.04 | 0.08 | 50.19 | 219.81 | 36.86 | 28.20 | 7.95 | |
| | | 33 | Parabolic | 0.45 | 0.88 | 14.56 | 0.04 | 0.11 | 39.07 | 230.93 | 24.34 | 28.50 | 7.19 | ✓ |
| | E-W | 34 | Flat | 0.36 | 0.72 | 7.85 | 0.07 | 0.11 | 53.18 | 216.82 | ∞ | 32.08 | 14.60 | |
| | | 35 | Cylindrical | 0.47 | 0.92 | 12.59 | 0.05 | 0.12 | 45.72 | 224.28 | 34.70 | 31.51 | 9.66 | |
| | | 36 | Parabolic | 0.58 | 1.17 | 16.73 | 0.06 | 0.17 | 42.55 | 227.45 | 25.63 | 28.68 | 6.76 | ✓ ✓ ✓ |

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