Details of shooting cases and area measurement results.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Category | *d* (mm) | *f* (mm) | *θ* (°) | Σ*hij* | Σ*hij*2 | *A*g (mm2) | *A* (mm2) | Error (%) | |
| 1 | Corrosion | 1,900 | 46 | -24 | 8,388 | 198,012 | 6,434 | 6,010 | | -7 |
| 2 | Corrosion | 1,500 | 53 | -24 | 14,472 | 720,106 | 6,434 | 6,071 | | -6 |
| 3 | Corrosion | 1,300 | 35 | -20 | 9,675 | 341,895 | 6,434 | 6,215 | | -3 |
| 4 | Corrosion | 1,400 | 55 | -13 | 23,664 | 1,319,826 | 6,434 | 6,161 | | -4 |
| 5 | Corrosion | 1,800 | 53 | -11 | 14,579 | 517,879 | 6,434 | 6,252 | | -3 |
| 6 | Corrosion | 1,400 | 52 | -7 | 14,060 | 1,108,470 | 6,434 | 6,417 | | 0 |
| 7 | Corrosion | 1,700 | 51 | -2 | 11,361 | 502,579 | 6,434 | 6,247 | | -3 |
| 8 | Corrosion | 1,500 | 54 | -2 | 14,127 | 931,425 | 6,434 | 6,131 | | -5 |
| 9 | Corrosion | 1,200 | 50 | 3 | 29,042 | 1,900,526 | 6,434 | 6,321 | | -2 |
| 10 | Corrosion | 1,500 | 46 | 7 | 11,708 | 534,820 | 6,434 | 6,312 | | -3 |
| 11 | Corrosion | 1,600 | 41 | 11 | 6,565 | 248,013 | 6,434 | 6,121 | | -5 |
| 12 | Corrosion | 1,800 | 44 | 13 | 5,887 | 208,747 | 6,434 | 6,265 | | -3 |
| 13 | Corrosion | 1,700 | 50 | 19 | 5,793 | 314,241 | 6,434 | 6,051 | | -5 |
| 14 | Corrosion | 1,600 | 45 | 21 | 8,456 | 293,472 | 6,434 | 5,900 | | -8 |
| 15 | Corrosion | 1,300 | 38 | 30 | 6,780 | 282,458 | 6,434 | 6,246 | | -4 |
| 16 | Mildew | 800 | 54 | -27 | -778 | 115,224 | 622 | 574 | | -8 |
| 17 | Mildew | 700 | 48 | -23 | -2,211 | 173,335 | 622 | 586 | | -6 |
| 18 | Mildew | 800 | 46 | -19 | -453 | 87,573 | 622 | 659 | | 6 |
| 19 | Mildew | 800 | 51 | -14 | -291 | 111,933 | 622 | 566 | | -9 |
| 20 | Mildew | 700 | 48 | -9 | -2,849 | 201,885 | 622 | 555 | | -11 |
| 21 | Mildew | 900 | 52 | -3 | -1,556 | 87,918 | 622 | 609 | | -2 |
| 22 | Mildew | 600 | 49 | -1 | -6,004 | 409,646 | 622 | 476 | | -23 |
| 23 | Mildew | 600 | 52 | 1 | -7,462 | 556,102 | 622 | 487 | | -22 |
| 24 | Mildew | 900 | 53 | 7 | -1,430 | 83,590 | 622 | 584 | | -6 |
| 25 | Mildew | 800 | 49 | 8 | -2,920 | 125,588 | 622 | 594 | | -4 |
| 26 | Mildew | 1,000 | 53 | 12 | -1,157 | 54,521 | 622 | 645 | | 4 |
| 27 | Mildew | 600 | 47 | 18 | -4,292 | 296,964 | 622 | 491 | | -21 |
| 28 | Mildew | 800 | 54 | 21 | -2,227 | 131,579 | 622 | 557 | | -11 |
| 29 | Mildew | 900 | 47 | 24 | 786 | 44,172 | 622 | 672 | | 8 |
| 30 | Mildew | 900 | 50 | 28 | -791 | 48,941 | 622 | 630 | | 1 |
| 31 | Ponding | 1,900 | 39 | -27 | 27,851 | 5,570,055 | 69,621 | 70,948 | | 2 |
| 32 | Ponding | 1,700 | 54 | -25 | 134,627 | 31,705,185 | 69,621 | 69,991 | | 1 |
| 33 | Ponding | 1,900 | 37 | -22 | 43,238 | 4,957,350 | 69,621 | 68,758 | | -1 |
| 34 | Ponding | 1,500 | 47 | -17 | 89,479 | 38,005,517 | 69,621 | 70,747 | | 2 |
| 35 | Ponding | 1,700 | 53 | -13 | 87,570 | 37,314,856 | 69,621 | 71,096 | | 2 |
| 36 | Ponding | 1,800 | 52 | -10 | 89,755 | 27,762,925 | 69,621 | 70,210 | | 1 |
| 37 | Ponding | 1,800 | 41 | -6 | 39,647 | 10,768,847 | 69,621 | 68,537 | | -2 |
| 38 | Ponding | 1,600 | 48 | -1 | 36,782 | 36,276,200 | 69,621 | 72,286 | | 4 |
| 39 | Ponding | 2,000 | 48 | 1 | 14,964 | 13,824,938 | 69,621 | 71,042 | | 2 |
| 40 | Ponding | 1,900 | 49 | 7 | 5,040 | 17,628,290 | 69,621 | 70,296 | | 1 |
| 41 | Ponding | 1,600 | 35 | 12 | 4,036 | 8,427,760 | 69,621 | 66,301 | | -5 |
| 42 | Ponding | 1,600 | 54 | 18 | -2 | 41,169,952 | 69,621 | 66,422 | | -5 |
| 43 | Ponding | 1,700 | 44 | 21 | 5,142 | 14,771,260 | 69,621 | 68,600 | | -1 |
| 44 | Ponding | 1,900 | 40 | 24 | 7,740 | 6,249,616 | 69,621 | 70,011 | | 1 |
| 45 | Ponding | 1,800 | 50 | 28 | -34,781 | 16,204,725 | 69,621 | 68,772 | | -1 |