## CPI 260 US Workforce Norms

A normative sample of 5,000 working adults was drawn from the several thousand workers who completed the California Personality Inventory 260 (CPI 260) from April 2002 through March 2007. The sample was stratified to reflect the relevant demographic and occupational characteristics of the US workforce based on the 2006 Department of Labor (DOL) Bureau of Labor Statistics Current Population Survey (CPS; available online: http://www.bls.gov/cps/home.htm).

## Norm Development

Every working adult who completed the US English version of CPI 260 since April 2002 was eligible for inclusion in the normative sample. Because this sample was intended to represent the US workforce, only incumbent cases were included in the normative sample. Cases that demonstrated invalid responding, excessive missing data, faking good, and/or faking bad were excluded from the normative sample.

In order to provide a close approximation of the actual US workforce, cases were selected to represent the 22 DOL occupational categories. Cases were selected randomly within each DOL category and with two exceptions: (a) cases providing all demographic data were preferred when sufficient cases were available and (b) cases were selected to reflect ethnic compositions of the US workforce. The result is a stratified normative sample of 5,000 working adults that closely approximates the occupational and ethnic characteristics of the US workforce.

## Demographic Information

The average age of the working adults in the sample was 41.1 with a standard deviation of 10.4 years. Table 1 displays the demographic composition of the CPI 260 sample as compared to the US workforce. As demonstrated in this table, the sample provides a close approximation of the demographic composition of the US workforce. Caucasians, however, are moderately underrepresented in the normative sample. It is worth noting that the sum of US workforce percentages (provided by the CPS) is greater than 100. According to the CPS, individuals classified as Hispanic or Latino may be of any race and, therefore, are classified by ethnicity as well as race. Consequently, some individuals in the CPS may be classified as both Caucasian and Hispanic; inflating the estimated numbers of both ethnic groups. When the estimates are calculated into percentages from the total number of working adults in the US workforce, the inflated estimates cause the sum of the percentages to exceed 100.
Because of the large number of Caucasians in the US workforce, the decision was made to maintain the percentages of each minority ethnic group. Maintaining a reasonable number of subgroup members will facilitate future adverse impact estimations based on this sample.

Table 1. Demographic Composition of CPI 260 Norm Sample and US Workforce

| US Workforce |  | Norm Sample |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Demographic <br> Group | Total* | Percent | $n$ | Percent | DIF |
| Gender |  |  |  |  |  |
| Males | 77502 | $53.7 \%$ | 2753 | $55.1 \%$ | $1.4 \%$ |
| Females | 66925 | $46.3 \%$ | 2135 | $42.7 \%$ | $-3.6 \%$ |
| Ethnicity |  |  |  |  |  |
| Caucasian | 118833 | $82.3 \%$ | 3331 | $66.6 \%$ | $-15.7 \%$ |
| African | 15765 | $10.9 \%$ | 600 | $12.0 \%$ | $1.1 \%$ |
| American | 6522 | $4.5 \%$ | 291 | $5.8 \%$ | $1.3 \%$ |
| Asian | 19613 | $13.6 \%$ | 521 | $10.4 \%$ | $-3.2 \%$ |
| Hispanic |  |  |  |  |  |

Note. *in thousands; DIF = percent in norm sample - percent in US workforce; percents do not always sum to totals because data are not present for all ethnic groups. For instance, the sum of the norm sample percents equals $94.8 \%$, the remaining $5.2 \%$ either did not provide ethnic group membership or were from an ethnic group other than those presented in this table. In addition, persons whose ethnicity is identified as Hispanic or Latino in the US Workforce estimates may be of any race and, therefore, are classified by ethnicity as well as race. For instance, respondents on the CPS may classify themselves as both Hispanic and Caucasian. This inflates the estimated numbers of both ethnic groups. Consequently, when the estimates are calculated into percentages from the total number of working adults in the US workforce, the resulting sum of the percentages are greater than 100 .

## Occupational Characteristics

Table 2 displays the occupational characteristics of the CPI 260 sample as compared to the US workforce. As demonstrated in the table, the normative sample represents each of the 22 US Department of Labor Occupational Categories and provides a close approximation of the occupational characteristics of the US workforce.

Table 2. Occupational Characteristics of CPI 260 Norm Sample and US Workforce

| Occupation | US Workforce |  | Norm Sample |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Total* | Percent | $n$ | Percent | DIF |  |
|  |  |  |  |  |  |
| Management | 15249 | $10.6 \%$ | 605 | $12.1 \%$ | $1.5 \%$ |
| Business \& Financial Operations | 5983 | $4.1 \%$ | 230 | $4.6 \%$ | $0.5 \%$ |
| Computer \& Mathematical | 3209 | $2.2 \%$ | 112 | $2.2 \%$ | $0.0 \%$ |
| Architecture \& Engineering | 2830 | $2.0 \%$ | 115 | $2.3 \%$ | $0.3 \%$ |
| Life, Physical, \& Social Sciences | 1434 | $1.0 \%$ | 100 | $2.0 \%$ | $1.0 \%$ |
| Community \& Social Services | 2156 | $1.5 \%$ | 100 | $2.0 \%$ | $0.5 \%$ |
| Legal | 1637 | $1.1 \%$ | 100 | $2.0 \%$ | $0.9 \%$ |
| Education, Training, \& Library | 8126 | $5.6 \%$ | 315 | $6.3 \%$ | $0.7 \%$ |
| Art, Design, Entertainment, Sports, \& | 2735 | $1.9 \%$ | 110 | $2.2 \%$ | $0.3 \%$ |
| Media |  |  |  | 50 |  |
| Healthcare Practitioner \& Technical | 7060 | $4.9 \%$ | 275 | $5.5 \%$ | $0.6 \%$ |
| Healthcare Support | 3132 | $2.2 \%$ | 49 | $1.0 \%$ | $-1.2 \%$ |
| Protective Services | 2939 | $2.0 \%$ | 125 | $2.5 \%$ | $0.5 \%$ |
| Food Preparation \& Serving Related | 7606 | $5.3 \%$ | 179 | $3.6 \%$ | $-1.7 \%$ |
| Building \& Grounds Cleaning \& | 5381 | $3.7 \%$ | 54 | $1.1 \%$ | $-2.6 \%$ |
| Maintenance | 4754 | $3.3 \%$ | 66 | $1.3 \%$ | $-2.0 \%$ |
| Personal Care \& Service | 16641 | $11.5 \%$ | 640 | $12.8 \%$ | $1.3 \%$ |
| Sales \& Related | 19500 | $13.5 \%$ | 750 | $15.0 \%$ | $1.5 \%$ |
| Office \& Administrative Support | 961 | $0.7 \%$ | 29 | $0.6 \%$ | $-0.1 \%$ |
| Farming, Fishing, \& Forestry | 9507 | $6.6 \%$ | 232 | $4.6 \%$ | $-1.9 \%$ |
| Construction \& Extraction | 5362 | $3.7 \%$ | 206 | $4.1 \%$ | $0.4 \%$ |
| Installation, Maintenance, \& Repair | 9378 | $6.5 \%$ | 365 | $7.3 \%$ | $0.8 \%$ |
| Production | 8846 | $6.1 \%$ | 243 | $4.9 \%$ | $-1.3 \%$ |
| Transportation \& Materials Moving |  |  |  |  |  |

Note. *in thousands; DIF = percent in norm sample - percent in US workforce.

## Means, Variance, and Percentiles

The CPI 260 alphas, means, standard deviations, skewness and kurtosis statistics for the entire normative sample are presented in Table 3. The CPI 260 means and standard deviations by gender and for each ethnic subgroup are presented in Tables 4 and 5, respectively. Table 6 demonstrates the raw scores and corresponding percentiles for each CPI 260 scale.

Table 3. CPI 260 Alphas, Means, Standard Deviations, Skewness and Kurtosis Statistics for Total Sample ( $\mathrm{N}=5000$ )

|  | $\alpha$ | M | SD | Skewness | Kurtosis |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Do | .85 | 23.12 | 5.50 | -0.83 | 0.30 |
| Cs | .69 | 16.10 | 3.83 | -0.35 | -0.16 |
| Sy | .75 | 15.99 | 3.86 | -0.73 | 0.09 |
| Sp | .58 | 18.92 | 3.45 | -0.25 | -0.21 |
| Sa | .67 | 15.36 | 3.32 | -0.69 | 0.27 |
| In | .70 | 15.96 | 3.26 | -0.94 | 0.91 |
| Em | .54 | 15.09 | 3.30 | -0.18 | -0.20 |
| Re | .59 | 17.50 | 2.89 | -0.68 | 0.46 |
| So | .58 | 22.11 | 3.20 | -0.66 | 0.47 |
| Sc | .73 | 16.91 | 4.46 | -0.30 | -0.25 |
| Gi | .69 | 15.79 | 4.01 | -0.30 | -0.26 |
| Cm | .28 | 19.70 | 1.51 | -0.79 | 0.87 |
| Wb | .69 | 16.96 | 2.61 | -1.28 | 2.00 |
| To | .71 | 14.43 | 3.27 | -0.71 | 0.21 |
| Ac | .61 | 22.36 | 3.30 | -0.74 | 0.71 |
| Ai | .67 | 17.60 | 3.42 | -0.40 | 0.00 |
| Cf | .69 | 21.78 | 3.81 | -0.62 | 0.48 |
| Is | .47 | 14.72 | 2.63 | -0.58 | 0.41 |
| Fx | .72 | 10.14 | 3.86 | 0.15 | -0.41 |
| Sn | .57 | 11.85 | 3.44 | 0.07 | -0.25 |
| V1 | .78 | 8.60 | 3.96 | 0.19 | -0.48 |
| V2 | .59 | 13.95 | 2.95 | -0.38 | -0.18 |
| V3 | .80 | 19.86 | 5.18 | -0.47 | -0.12 |
| Mp | .72 | 18.15 | 3.72 | -0.65 | 0.17 |
| Wo | .57 | 18.10 | 2.66 | -0.90 | 1.14 |
| Ct | .70 | 16.64 | 4.16 | -0.06 | -0.34 |
| Lp | .83 | 29.16 | 5.09 | -1.11 | 1.11 |
| Ami | .72 | 20.19 | 4.02 | -0.70 | 0.33 |
| Leo | .40 | 19.68 | 2.98 | -0.30 | 0.00 |
| Ne |  |  |  |  |  |

Note. Cases that demonstrated invalid responses, excessive missing data, faking good, and/or faking bad were not included in the normative sample.

Table 4. CPI 260 Means and Standard Deviations by Gender


Table 5. CPI 260 Means and Standard Deviations by Ethnic Group

|  | $\begin{gathered} \text { Caucasian } \\ \mathrm{N}=3331 \end{gathered}$ |  | African American$\mathrm{N}=600$ |  | Asian$\mathrm{N}=291$ |  | $\begin{aligned} & \text { Hispanic } \\ & N=521 \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | M | SD | M | SD | M | SD | M | SD |
| Do | 23.18 | 5.70 | 23.46 | 4.70 | 21.55 | 5.57 | 23.26 | 4.98 |
| Cs | 16.20 | 3.87 | 16.09 | 3.50 | 14.91 | 4.00 | 16.35 | 3.69 |
| Sy | 15.88 | 4.01 | 16.70 | 3.21 | 15.07 | 3.82 | 16.32 | 3.61 |
| Sp | 19.09 | 3.54 | 18.58 | 3.07 | 18.03 | 3.21 | 18.93 | 3.35 |
| Sa | 15.38 | 3.41 | 15.48 | 2.94 | 14.31 | 3.38 | 15.58 | 3.12 |
| In | 16.05 | 3.33 | 15.77 | 2.83 | 15.30 | 3.35 | 16.04 | 3.08 |
| Em | 15.25 | 3.33 | 14.89 | 3.09 | 14.21 | 3.38 | 15.18 | 3.26 |
| Re | 17.64 | 2.91 | 17.62 | 2.57 | 16.75 | 2.80 | 17.33 | 2.84 |
| So | 22.14 | 3.22 | 22.27 | 2.96 | 21.71 | 3.33 | 22.23 | 3.19 |
| Sc | 16.79 | 4.47 | 17.66 | 4.27 | 17.07 | 4.13 | 17.02 | 4.59 |
| Gi | 15.62 | 3.99 | 16.51 | 3.88 | 15.80 | 3.87 | 16.17 | 4.07 |
| Cm | 19.82 | 1.46 | 19.75 | 1.44 | 19.11 | 1.79 | 19.43 | 1.54 |
| Wb | 17.17 | 2.53 | 16.81 | 2.41 | 15.54 | 3.12 | 16.88 | 2.55 |
| To | 14.85 | 3.03 | 13.64 | 3.45 | 12.47 | 3.72 | 14.20 | 3.46 |
| Ac | 22.23 | 3.29 | 23.35 | 2.87 | 21.89 | 3.30 | 22.60 | 3.34 |
| Ai | 17.91 | 3.30 | 17.14 | 3.33 | 16.02 | 4.16 | 17.53 | 3.43 |
| Cf | 21.99 | 3.83 | 21.49 | 3.50 | 20.49 | 4.03 | 21.77 | 3.79 |
| Is | 14.93 | 2.55 | 14.36 | 2.59 | 13.76 | 2.69 | 14.71 | 2.85 |
| Fx | 10.38 | 3.83 | 9.92 | 3.74 | 9.10 | 4.10 | 9.94 | 3.85 |
| Sn | 11.56 | 3.51 | 12.72 | 3.04 | 12.80 | 3.40 | 12.23 | 3.34 |
| V1 | 8.51 | 4.05 | 8.93 | 3.56 | 9.40 | 3.92 | 8.43 | 3.82 |
| V2 | 13.82 | 2.93 | 14.40 | 2.95 | 14.51 | 2.93 | 14.03 | 3.01 |
| V3 | 20.42 | 4.90 | 18.97 | 5.29 | 17.11 | 6.00 | 19.61 | 5.33 |
| Mp | 18.48 | 3.66 | 17.56 | 3.64 | 16.73 | 3.83 | 17.91 | 3.73 |
| Wo | 18.24 | 2.56 | 18.06 | 2.53 | 17.17 | 3.28 | 18.07 | 2.72 |
| Ct | 16.80 | 4.21 | 16.43 | 3.84 | 15.44 | 4.35 | 16.82 | 4.04 |
| Lp | 29.22 | 5.18 | 29.69 | 4.40 | 27.33 | 5.45 | 29.37 | 4.71 |
| Ami | 20.47 | 3.95 | 19.67 | 3.96 | 19.23 | 4.27 | 20.03 | 4.02 |
| Leo | 19.72 | 3.02 | 20.03 | 2.84 | 18.66 | 2.70 | 19.53 | 2.87 |

Note. Cases that demonstrated invalid responses, excessive missing data, faking good, and/or faking bad were not included in the normative sample.

Table 6. CPI 260 Percentiles

| Raw <br> Score | Do \%-tile | $\begin{gathered} \mathrm{Cs} \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \text { Sy } \\ \% \text {-tile } \end{gathered}$ | Sp \%-tile | $\begin{gathered} \mathrm{Sa} \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \text { In } \\ \% \text {-tile } \end{gathered}$ | Em \%-tile | Re \%-tile | So \%-tile | Sc \%-tile | $\begin{gathered} \mathrm{Gi} \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \mathrm{Cm} \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \mathrm{Wb} \\ \text { \%-tile } \end{gathered}$ | $\begin{gathered} \text { To } \\ \% \text {-tile } \end{gathered}$ | Ac \%-tile |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 5 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| 6 | 1 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 |
| 7 | 1 | 2 | 3 | 0 | 2 | 2 | 1 | 0 | 0 | 2 | 3 | 0 | 1 | 4 | 0 |
| 8 | 1 | 3 | 5 | 0 | 4 | 3 | 3 | 1 | 0 | 4 | 4 | 0 | 1 | 6 | 0 |
| 9 | 2 | 5 | 8 | 0 | 6 | 5 | 5 | 1 | 0 | 6 | 7 | 0 | 2 | 9 | 0 |
| 10 | 3 | 8 | 10 | 1 | 9 | 7 | 9 | 2 | 0 | 9 | 10 | 0 | 3 | 13 | 0 |
| 11 | 4 | 13 | 14 | 2 | 13 | 11 | 15 | 3 | 0 | 12 | 15 | 0 | 4 | 19 | 0 |
| 12 | 5 | 18 | 18 | 4 | 19 | 14 | 21 | 6 | 1 | 17 | 21 | 0 | 7 | 25 | 1 |
| 13 | 7 | 25 | 24 | 7 | 25 | 20 | 31 | 9 | 1 | 22 | 28 | 0 | 10 | 34 | 1 |
| 14 | 9 | 32 | 31 | 11 | 34 | 27 | 41 | 15 | 2 | 29 | 37 | 0 | 16 | 45 | 2 |
| 15 | 10 | 41 | 39 | 17 | 45 | 37 | 54 | 23 | 3 | 36 | 45 | 1 | 23 | 57 | 4 |
| 16 | 13 | 51 | 48 | 24 | 59 | 49 | 66 | 33 | 6 | 44 | 54 | 3 | 34 | 70 | 6 |
| 17 | 16 | 61 | 59 | 33 | 72 | 63 | 76 | 45 | 9 | 53 | 64 | 8 | 49 | 82 | 8 |
| 18 | 20 | 71 | 70 | 43 | 84 | 78 | 85 | 59 | 14 | 62 | 73 | 19 | 68 | 92 | 13 |
| 19 | 24 | 81 | 82 | 54 | 92 | 90 | 91 | 73 | 20 | 70 | 81 | 39 | 86 | 98 | 18 |
| 20 | 28 | 88 | 91 | 66 | 97 | 97 | 96 | 86 | 28 | 77 | 88 | 67 | 100 | 100 | 26 |
| 21 | 33 | 93 | 97 | 76 | 99 | 99 | 98 | 95 | 38 | 84 | 94 | 91 |  |  | 35 |
| 22 | 39 | 97 | 99 | 85 | 100 | 100 | 99 | 99 | 50 | 90 | 97 | 100 |  |  | 47 |
| 23 | 45 | 99 | 100 | 91 | 100 | 100 | 100 | 100 | 63 | 94 | 99 |  |  |  | 60 |
| 24 | 52 | 100 |  | 95 |  |  | 100 |  | 76 | 97 | 100 |  |  |  | 72 |
| 25 | 60 | 100 |  | 98 |  |  | 100 |  | 87 | 99 | 100 |  |  |  | 83 |
| 26 | 68 | 100 |  | 99 |  |  |  |  | 94 | 100 | 100 |  |  |  | 92 |
| 27 | 76 |  |  | 100 |  |  |  |  | 98 | 100 | 100 |  |  |  | 98 |
| 28 | 85 |  |  | 100 |  |  |  |  | 100 | 100 |  |  |  |  | 100 |
| 29 | 91 |  |  | 100 |  |  |  |  | 100 |  |  |  |  |  | 100 |
| 30 | 96 |  |  |  |  |  |  |  | 100 |  |  |  |  |  |  |
| 31 | 99 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | 100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 36 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table 6. CPI 260 Percentiles Cont'd.

| Raw <br> Score | $\begin{gathered} \mathrm{Ai} \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \text { Cf } \\ \text { \%-tile } \end{gathered}$ | $\begin{gathered} \text { Is } \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \mathrm{Fx} \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \mathrm{Sn} \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \text { V1 } \\ \% \text {-tile } \end{gathered}$ | $\begin{gathered} \text { V2 } \\ \text { \%-tile } \end{gathered}$ | $\begin{gathered} \text { V3 } \\ \text { \%-tile } \end{gathered}$ | $\underset{\% \text {-tile }}{\mathrm{Mp}}$ | $\begin{gathered} \text { Wo } \\ \text { \%-tile } \end{gathered}$ | $\begin{gathered} \mathrm{Ct} \\ \% \text {-tile } \end{gathered}$ | $\underset{\% \text {-tile }}{\operatorname{Lp}}$ | Ami \%-tile | $\begin{gathered} \text { Leo } \\ \text { \%-tile } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 4 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 7 | 1 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 12 | 3 | 24 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 19 | 6 | 32 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 7 | 0 | 0 | 1 | 27 | 11 | 41 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 |
| 8 | 1 | 0 | 2 | 35 | 17 | 50 | 5 | 2 | 1 | 0 | 2 | 0 | 1 | 0 |
| 9 | 2 | 0 | 4 | 44 | 25 | 60 | 8 | 4 | 2 | 1 | 5 | 0 | 1 | 0 |
| 10 | 3 | 1 | 7 | 55 | 36 | 68 | 13 | 5 | 3 | 1 | 8 | 0 | 2 | 0 |
| 11 | 5 | 1 | 12 | 64 | 47 | 76 | 20 | 7 | 5 | 2 | 11 | 1 | 3 | 1 |
| 12 | 8 | 2 | 19 | 73 | 58 | 83 | 30 | 9 | 8 | 4 | 17 | 1 | 5 | 1 |
| 13 | 12 | 3 | 29 | 80 | 68 | 88 | 42 | 12 | 12 | 6 | 23 | 1 | 7 | 3 |
| 14 | 18 | 4 | 42 | 86 | 77 | 92 | 54 | 16 | 17 | 10 | 31 | 1 | 9 | 5 |
| 15 | 26 | 6 | 59 | 91 | 85 | 95 | 68 | 20 | 23 | 16 | 40 | 2 | 13 | 9 |
| 16 | 35 | 10 | 74 | 95 | 91 | 97 | 79 | 25 | 30 | 24 | 49 | 3 | 18 | 14 |
| 17 | 46 | 13 | 87 | 97 | 95 | 99 | 89 | 30 | 39 | 35 | 58 | 3 | 23 | 22 |
| 18 | 57 | 18 | 95 | 98 | 97 | 100 | 96 | 37 | 49 | 50 | 66 | 4 | 30 | 33 |
| 19 | 70 | 25 | 98 | 99 | 99 | 100 | 99 | 43 | 59 | 67 | 74 | 5 | 38 | 46 |
| 20 | 79 | 33 | 100 | 100 | 99 | 100 | 100 | 50 | 70 | 83 | 81 | 7 | 47 | 59 |
| 21 | 88 | 43 | 100 | 100 | 100 |  |  | 58 | 80 | 93 | 87 | 9 | 58 | 72 |
| 22 | 93 | 53 | 100 | 100 | 100 |  |  | 66 | 89 | 99 | 92 | 11 | 68 | 83 |
| 23 | 97 | 65 |  |  | 100 |  |  | 74 | 96 | 100 | 95 | 14 | 78 | 91 |
| 24 | 100 | 75 |  |  | 100 |  |  | 81 | 99 |  | 98 | 17 | 87 | 96 |
| 25 | 100 | 84 |  |  | 100 |  |  | 87 | 100 |  | 99 | 21 | 94 | 99 |
| 26 |  | 91 |  |  | 100 |  |  | 91 |  |  | 100 | 25 | 98 | 100 |
| 27 |  | 96 |  |  | 100 |  |  | 95 |  |  | 100 | 30 | 100 | 100 |
| 28 |  | 98 |  |  | 100 |  |  | 98 |  |  | 100 | 37 | 100 | 100 |
| 29 |  | 100 |  |  |  |  |  | 99 |  |  | 100 | 43 |  | 100 |
| 30 |  | 100 |  |  |  |  |  | 100 |  |  |  | 51 |  |  |
| 31 |  |  |  |  |  |  |  | 100 |  |  |  | 60 |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  | 69 |  |  |
| 33 |  |  |  |  |  |  |  |  |  |  |  | 80 |  |  |
| 34 |  |  |  |  |  |  |  |  |  |  |  | 90 |  |  |
| 35 |  |  |  |  |  |  |  |  |  |  |  | 97 |  |  |
| 36 |  |  |  |  |  |  |  |  |  |  |  | 100 |  |  |

