

| Code    | X      | Y     | Z      | x     | z     | A     | B      | C <sub>AB</sub> | a     | b      | h <sub>AB</sub> | id | λ <sub>d</sub> | ic | λ <sub>c</sub> |
|---------|--------|-------|--------|-------|-------|-------|--------|-----------------|-------|--------|-----------------|----|----------------|----|----------------|
| P65     | 96.86  | 99.99 | 112.33 | 0.313 | 0.323 | 0.0   | 0.0    | 0.0             | 0.968 | -0.449 | 0.0             |    |                |    |                |
| 520_705 | 77.59  | 82.03 | 1.14   | 0.482 | 0.51  | -1.86 | 36.4   | 36.44           | 0.945 | -0.005 | 92              | 40 | 575            | 20 | 476            |
| 380_520 | 19.17  | 17.86 | 111.07 | 0.129 | 0.12  | 0.18  | -36.4  | -36.44          | 1.073 | -2.486 | 272             | 20 | 476            | 40 | 575            |
| P60     | 97.06  | 99.99 | 104.57 | 0.321 | 0.331 | 0.0   | 0.0    | 0.0             | 0.97  | -0.418 | 0.0             |    |                |    |                |
| 520_705 | 79.2   | 82.67 | 1.13   | 0.485 | 0.507 | -1.04 | 34.12  | 34.14           | 0.958 | -0.005 | 91              | 40 | 576            | 20 | 476            |
| 380_520 | 17.76  | 17.22 | 103.33 | 0.128 | 0.124 | 1.04  | -34.12 | -34.14          | 1.031 | -2.399 | 271             | 20 | 476            | 40 | 576            |
| P55     | 97.45  | 99.99 | 95.98  | 0.332 | 0.34  | 0.0   | 0.0    | 0.0             | 0.974 | -0.383 | 0.0             |    |                |    |                |
| 520_705 | 81.13  | 83.41 | 1.11   | 0.489 | 0.503 | -0.15 | 31.57  | 31.57           | 0.972 | -0.005 | 90              | 40 | 577            | 20 | 477            |
| 380_520 | 16.22  | 16.48 | 94.77  | 0.127 | 0.129 | 0.15  | -31.57 | -31.57          | 0.984 | -2.299 | 270             | 20 | 477            | 40 | 577            |
| P50     | 98.12  | 100.0 | 86.5   | 0.344 | 0.351 | 0.0   | 0.0    | 0.0             | 0.981 | -0.346 | 0.0             |    |                |    |                |
| 520_705 | 83.5   | 84.28 | 1.09   | 0.494 | 0.499 | 0.8   | 28.72  | 28.73           | 0.99  | -0.005 | 88              | 40 | 577            | 20 | 477            |
| 380_520 | 14.52  | 15.61 | 85.31  | 0.125 | 0.135 | -0.8  | -28.72 | -28.73          | 0.929 | -2.185 | 268             | 20 | 477            | 40 | 577            |
| P45     | 99.2   | 100.0 | 76.07  | 0.36  | 0.363 | 0.0   | 0.0    | 0.0             | 0.992 | -0.304 | 0.0             |    |                |    |                |
| 520_705 | 86.44  | 85.3  | 1.06   | 0.5   | 0.493 | 1.81  | 25.53  | 25.59           | 1.013 | -0.005 | 85              | 40 | 578            | 20 | 478            |
| 380_520 | 12.66  | 14.59 | 74.92  | 0.123 | 0.142 | -1.81 | -25.53 | -25.59          | 0.867 | -2.053 | 265             | 20 | 478            | 40 | 578            |
| P40     | 100.93 | 99.99 | 64.68  | 0.379 | 0.376 | 0.0   | 0.0    | 0.0             | 1.009 | -0.258 | 0.0             |    |                |    |                |
| 520_705 | 90.18  | 86.52 | 1.03   | 0.507 | 0.486 | 2.85  | 21.97  | 22.15           | 1.042 | -0.004 | 82              | 40 | 579            | 20 | 479            |
| 380_520 | 10.65  | 13.37 | 63.59  | 0.121 | 0.152 | -2.85 | -21.97 | -22.15          | 0.796 | -1.901 | 262             | 20 | 479            | 40 | 579            |
| P35     | 103.66 | 100.0 | 52.43  | 0.404 | 0.39  | 0.0   | 0.0    | 0.0             | 1.036 | -0.209 | 0.0             |    |                |    |                |
| 520_705 | 95.05  | 87.97 | 0.98   | 0.516 | 0.478 | 3.86  | 18.05  | 18.46           | 1.08  | -0.004 | 77              | 41 | 580            | 21 | 480            |
| 380_520 | 8.5    | 11.92 | 51.39  | 0.118 | 0.166 | -3.86 | -18.05 | -18.46          | 0.712 | -1.723 | 257             | 21 | 480            | 41 | 580            |
| P30     | 108.04 | 100.0 | 39.55  | 0.436 | 0.403 | 0.0   | 0.0    | 0.0             | 1.08  | -0.158 | 0.0             |    |                |    |                |
| 520_705 | 101.65 | 89.71 | 0.91   | 0.528 | 0.466 | 4.72  | 13.82  | 14.6            | 1.133 | -0.004 | 71              | 41 | 582            | 21 | 482            |
| 380_520 | 6.28   | 10.18 | 38.59  | 0.114 | 0.185 | -4.72 | -13.82 | -14.6           | 0.616 | -1.515 | 251             | 21 | 482            | 41 | 582            |

feh50-3n YAB, GM, Pxx, 2°-CIE

| Code    | X      | Y     | Z      | x     | z     | a*     | b*      | C* <sub>ab</sub> | a'    | b'     | h <sub>ab</sub> | id | λ <sub>d</sub> | ic | λ <sub>c</sub> |
|---------|--------|-------|--------|-------|-------|--------|---------|------------------|-------|--------|-----------------|----|----------------|----|----------------|
| P65     | 96.86  | 99.99 | 112.33 | 0.313 | 0.323 | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 77.59  | 82.03 | 1.14   | 0.482 | 0.51  | -3.69  | 143.72  | 143.76           | 0.213 | -0.019 | 91              | 40 | 575            | 20 | 476            |
| 380_520 | 19.17  | 17.86 | 111.07 | 0.129 | 0.12  | 9.76   | -86.61  | -87.16           | 0.222 | -0.152 | 276             | 20 | 476            | 40 | 575            |
| P60     | 97.06  | 99.99 | 104.57 | 0.321 | 0.331 | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 79.2   | 82.67 | 1.13   | 0.485 | 0.507 | -2.04  | 143.34  | 143.35           | 0.214 | -0.02  | 90              | 40 | 576            | 20 | 476            |
| 380_520 | 17.76  | 17.22 | 103.33 | 0.128 | 0.124 | 5.68   | -87.93  | -88.11           | 0.219 | -0.154 | 273             | 20 | 476            | 40 | 576            |
| P55     | 97.45  | 99.99 | 95.98  | 0.332 | 0.34  | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 81.13  | 83.41 | 1.11   | 0.489 | 0.503 | -0.3   | 142.86  | 142.86           | 0.215 | -0.02  | 90              | 40 | 577            | 20 | 477            |
| 380_520 | 16.22  | 16.48 | 94.77  | 0.127 | 0.129 | 0.88   | -89.5   | -89.5            | 0.216 | -0.162 | 270             | 20 | 477            | 40 | 577            |
| P50     | 98.12  | 100.0 | 86.5   | 0.344 | 0.351 | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 83.5   | 84.28 | 1.09   | 0.494 | 0.499 | 1.52   | 142.22  | 142.23           | 0.216 | -0.021 | 89              | 40 | 577            | 20 | 477            |
| 380_520 | 14.52  | 15.61 | 85.31  | 0.125 | 0.135 | -4.77  | -91.39  | -91.52           | 0.211 | -0.159 | 267             | 20 | 477            | 40 | 577            |
| P45     | 99.2   | 100.0 | 76.07  | 0.36  | 0.363 | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 86.44  | 85.3  | 1.06   | 0.5   | 0.493 | 3.36   | 141.36  | 141.4            | 0.216 | -0.021 | 88              | 40 | 578            | 20 | 478            |
| 380_520 | 12.66  | 14.59 | 74.92  | 0.123 | 0.142 | -1.48  | -93.71  | -94.41           | 0.206 | -0.162 | 263             | 20 | 478            | 40 | 578            |
| P40     | 100.93 | 99.99 | 64.68  | 0.379 | 0.376 | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 90.18  | 86.52 | 1.03   | 0.507 | 0.486 | 5.13   | 140.16  | 140.25           | 0.217 | -0.022 | 87              | 40 | 579            | 20 | 479            |
| 380_520 | 10.65  | 13.37 | 63.59  | 0.121 | 0.152 | -19.45 | -96.58  | -98.52           | 0.199 | -0.167 | 258             | 20 | 479            | 40 | 579            |
| P35     | 103.66 | 100.0 | 52.43  | 0.404 | 0.39  | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 95.05  | 87.97 | 0.98   | 0.516 | 0.478 | 6.67   | 138.42  | 138.58           | 0.218 | -0.023 | 87              | 41 | 580            | 21 | 480            |
| 380_520 | 8.5    | 11.92 | 51.39  | 0.118 | 0.166 | -6.86  | -100.23 | -104.3           | 0.19  | -0.173 | 253             | 21 | 480            | 41 | 580            |
| P30     | 108.04 | 100.0 | 39.55  | 0.436 | 0.403 | 0.0    | 0.0     | 0.0              | 0.01  | 0.215  | -0.086          | 0  |                |    |                |
| 520_705 | 101.65 | 89.71 | 0.91   | 0.528 | 0.466 | 7.71   | 135.78  | 136.0            | 0.218 | -0.025 | 86              | 41 | 582            | 21 | 482            |
| 380_520 | 6.28   | 10.18 | 38.59  | 0.114 | 0.185 | -39.78 | -104.97 | -112.25          | 0.178 | -0.183 | 249             | 21 | 482            | 41 | 582            |

feh51-3n Lab\*, GM, Pxx, 2°-CIE

| Code    | X      | Y     | Z      | x     | z      | A       | B      | C <sub>AB</sub> | a      | b      | h <sub>AB</sub> | id  | λ <sub>d</sub> | ic   | λ <sub>c</sub> |
|---------|--------|-------|--------|-------|--------|---------|--------|-----------------|--------|--------|-----------------|-----|----------------|------|----------------|
| P65     | 96.86  | 99.99 | 112.33 | 0.313 | 0.323  | 0.0     | 0.0    | 0.0             | 0.968  | -0.449 | 0.0             |     |                |      |                |
| 470_570 | 20.67  | 60.7  | 25.64  | 0.193 | 0.567  | -38.12  | 17.01  | 41.75           | 0.34   | -0.168 | 155             | 28  | 518            | -1   | 518c           |
| 570_470 | 76.09  | 39.19 | 86.57  | 0.376 | 0.194  | 38.12   | -17.01 | -41.75          | 1.941  | -0.883 | 335             | -1  | 518c           | 28   | 518            |
| P60     | 97.06  | 99.99 | 104.57 | 0.321 | 0.331  | 0.0     | 0.0    | 0.0             | 0.97   | -0.418 | 0.0             |     |                |      |                |
| 470_570 | 20.67  | 59.96 | 24.52  | 0.195 | 0.57   | -37.67  | 17.02  | 40.65           | 0.342  | -0.16  | 157             | 28  | 517            | -1   | 517c           |
| 570_470 | 76.44  | 39.93 | 79.93  | 0.389 | 0.203  | 37.67   | -17.27 | -40.65          | 1.914  | -0.8   | 337             | -1  | 517c           | 28   | 517            |
| P55     | 97.45  | 99.99 | 95.98  | 0.332 | 0.34   | 0.0     | 0.0    | 0.0             | 0.974  | -0.383 | 0.0             |     |                |      |                |
| 470_570 | 20.67  | 59.05 | 23.24  | 0.191 | 0.575  | -37.2   | 17.37  | 39.53           | 0.34   | -0.157 | 160             | 28  | 517            | -1   | 517c           |
| 570_470 | 77.0   | 40.84 | 72.64  | 0.404 | 0.214  | 37.2    | -13.37 | -39.53          | 1.885  | -0.716 | 340             | -1  | 517c           | 28   | 517            |
| P50     | 98.12  | 100.0 | 86.5   | 0.344 | 0.351  | 0.0     | 0.0    | 0.0             | 0.981  | -0.346 | 0.0             |     |                |      |                |
| 470_570 | 20.12  | 57.15 | 22.01  | 0.593 | -36.72 | 11.34   | 38.43  | 0.347           | -0.15  | 162    | 28              | 516 | -1             | 516c |                |
| 570_470 | 77.89  | 41.95 | 64.65  | 0.422 | 0.227  | 36.72   | -11.34 | -38.43          | 1.856  | -0.616 | 342             | -1  | 516c           | 28   | 516            |
| P45     | 99.2   | 100.0 | 76.07  | 0.36  | 0.363  | 0.0     | 0.0    | 0.0             | 0.992  | -0.304 | 0.0             |     |                |      |                |
| 470_570 | 19.83  | 56.53 | 20.24  | 0.205 | 0.86   | -36.45  | 19.37  | 37.39           | 0.34   | -0.141 | 165             | 28  | 515            | -1   | 515c           |
| 570_470 | 79.26  | 43.36 | 55.96  | 0.443 | 0.242  | 36.24   | -9.19  | -37.39          | 1.827  | -0.516 | 345             | -1  | 515c           | 28   | 515            |
| P40     | 100.93 | 99.99 | 64.68  | 0.379 | 0.376  | 0.0     | 0.0    | 0.0             | 1.009  | -0.258 | 0.0             |     |                |      |                |
| 470_570 | 19.45  | 54.72 | 18.01  | 0.21  | 0.958  | -35.78  | 6.95   | 36.45           | 0.355  | -0.131 | 169             | 28  | 515            | -1   | 515c           |
| 570_470 | 81.37  | 45.17 | 46.6   | 0.469 | 0.26   | 35.78   | -6.95  | -36.45          | 1.801  | -0.412 | 349             | -1  | 515c           | 28   | 515            |
| P35     | 103.66 | 100.0 | 52.43  | 0.404 | 0.39   | 0.0     | 0.0    | 0.0             | 1.036  | -0.209 | 0.0             |     |                |      |                |
| 470_570 | 18.92  | 52.34 | 15.66  | 0.217 | 0.602  | -34.474 | 35.65  | 36.61           | -0.119 | 172    | 27              | 514 | -1             | 514c |                |
| 570_470 | 84.64  | 47.55 | 36.71  | 0.501 | 0.281  | 35.34   | -4.71  | -35.65          | 1.779  | -0.308 | 352             | -1  | 514c           | 27   | 514            |
| P30     | 108.04 | 100.0 | 39.55  | 0.436 | 0.403  | 0.0     | 0.0    | 0.0             | 1.08   | -0.158 | 0.0             |     |                |      |                |
| 470_570 | 18.16  | 49.1  | 12.93  | 0.226 | 0.612  | -34.892 | 2.59   | 34.99           | 0.369  | -0.105 | 175             | 27  | 514            | -1   | 514c           |
| 570     |        |       |        |       |        |         |        |                 |        |        |                 |     |                |      |                |