

|                |  |
|----------------|--|
| PROJECT NAME   |  |
| CATALOG NUMBER |  |
| NOTES          |  |
| FIXTURE TYPE   |  |

## DESCRIPTION

OKT's split LED Commercial Downlight series have been optimized to the third generation. The innovative separable design of junction box and housing makes it more flexible, With 65° beam angle, the 4" split commercial downlight can fulfill a wide range of lighting needs. Easy-fit installation comes from adjustable spring-action housing clips. It is designed and engineered for recessed applications, which is suitable for commercial and public places and elegantly decorates the ambience, such as shopping mall, hospital, airport, hotel lobby, etc. Tunable white function is available in 3000K, 4000K and 5000K by switch.

## PERFORMANCE SUMMARY

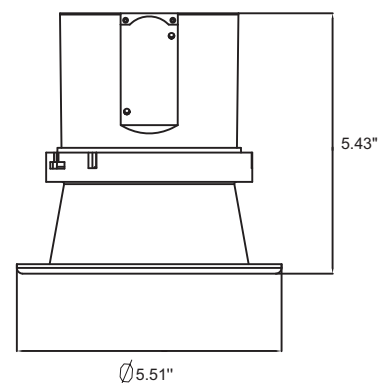
| Model                  | CP4-D10W-XXT                                                                  | CP4-D15W-XXT | CP4-D20W-XXT |
|------------------------|-------------------------------------------------------------------------------|--------------|--------------|
| Efficacy               | 66LPW                                                                         | 69LPW        | 68LPW        |
| Rated Power            | 10W                                                                           | 15W          | 20W          |
| Delivered light output | 660lm                                                                         | 1035lm       | 1360lm       |
| Input Current          | 0.1A                                                                          | 0.15A        | 0.2A         |
| Input Voltage          | 120-347V AC                                                                   |              |              |
| CRI                    | Ra>80                                                                         |              |              |
| Tunable White Option   | Available in 3000K, 4000K and 5000K by switch                                 |              |              |
| THD                    | <20%                                                                          |              |              |
| PF                     | >0.9                                                                          |              |              |
| Standard Warranty      | 5 Years                                                                       |              |              |
| Standard Lifetime      | Designed minimum 50,000 hours                                                 |              |              |
| Mounting               | Recessed                                                                      |              |              |
| Temperature Rating     | Designed to operate in temperatures 45°C and below room side and plenum side. |              |              |
| Dimming Type           | 0-10V dimming                                                                 |              |              |
| Recommended Dimmers    | DVTV(LUTRON), IP710(LEVITON)                                                  |              |              |
| UL Listed              | YES                                                                           | YES          | YES          |
| Energy Star Listed     | YES                                                                           | YES          | YES          |
| Lm79 Report            | YES                                                                           | YES          | YES          |
| Damp Rated             | YES                                                                           | YES          | YES          |

## Tunable white Split 4" Recessed

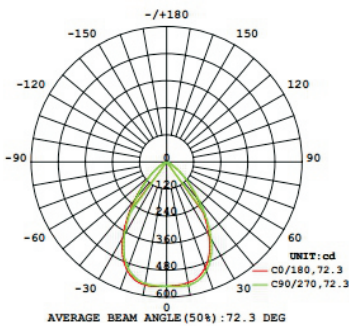
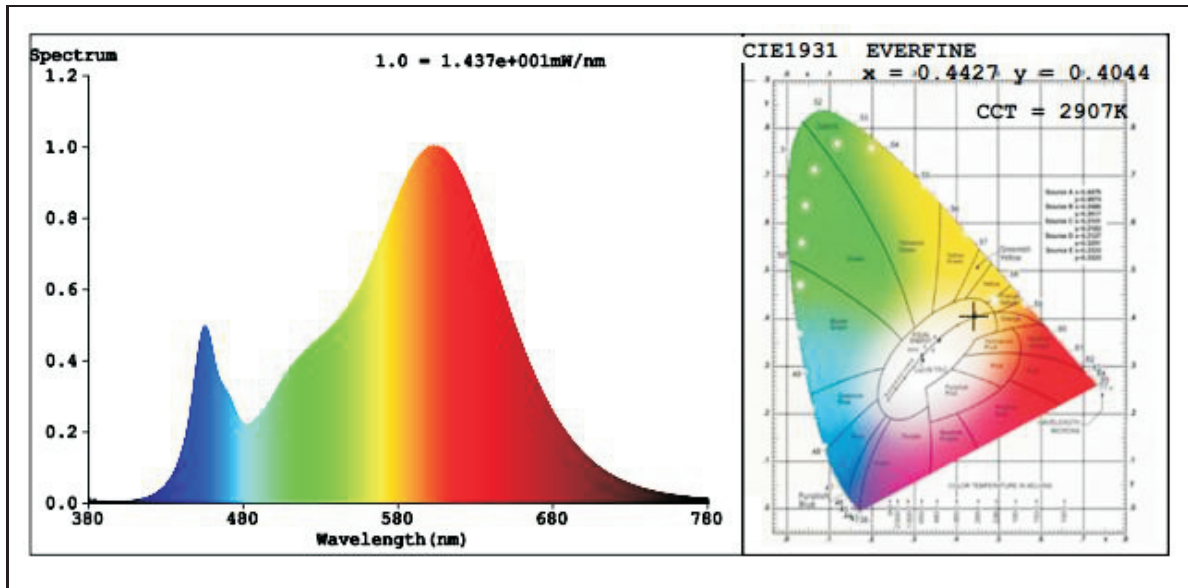
### LED Commercial Downlights



### Dimension:



SPECTRAL POWER DISTRIBUTION & CHROMATICITY DIAGRAM



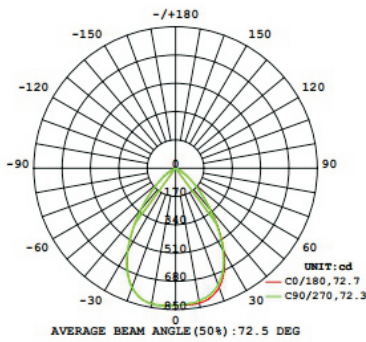
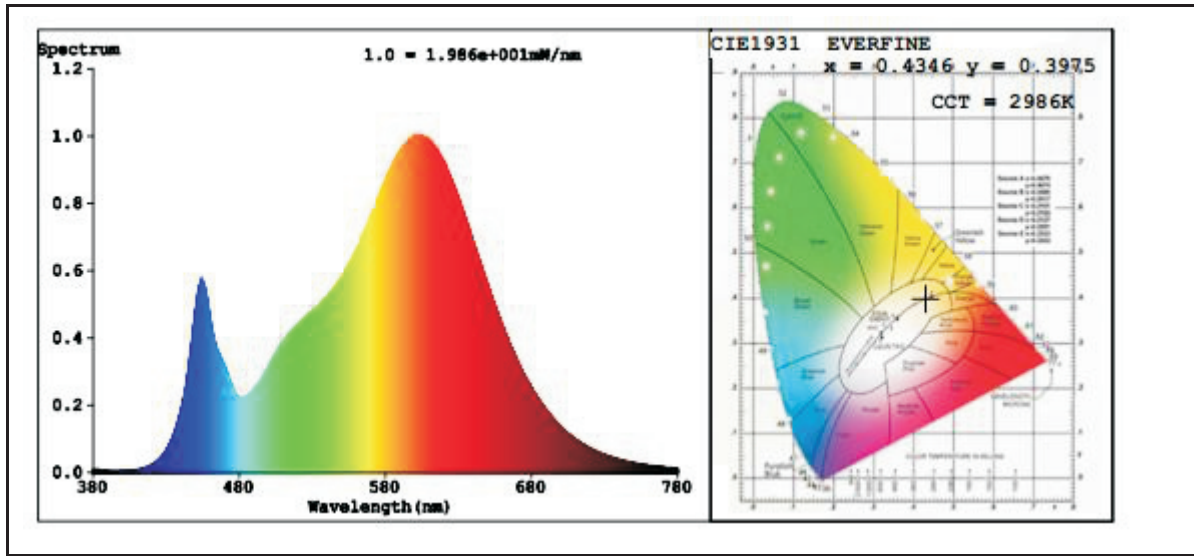
| Zonal Lumen Summary |        |            |
|---------------------|--------|------------|
| Zone                | Lumens | %Luminaire |
| 0-30                | 410.0  | 53%        |
| 0-40                | 594.9  | 76.9%      |
| 0-60                | 760.8  | 98.3%      |
| 60-90               | 13.1   | 1.7%       |
| 70-100              | 1.7    | 0.2%       |
| 90-120              | 0      | 0%         |
| 0-90                | 773.9  | 100%       |
| 90-180              | 0.0    | 0%         |
| 0-180               | 774.0  | 100%       |

| Lumens Per Zone |        |        |         |        |        |
|-----------------|--------|--------|---------|--------|--------|
| Zone            | Lumens | %Total | Zone    | Lumens | %Total |
| 0-10            | 52.6   | 6.8%   | 90-100  | 0      | 0%     |
| 10-20           | 150.6  | 19.5%  | 100-110 | 0      | 0%     |
| 20-30           | 206.8  | 26.7%  | 110-120 | 0      | 0%     |
| 30-40           | 184.9  | 23.9%  | 120-130 | 0.0    | 0%     |
| 40-50           | 114.3  | 14.8%  | 130-140 | 0.0    | 0%     |
| 50-60           | 51.6   | 6.7%   | 140-150 | 0.0    | 0%     |
| 60-70           | 11.5   | 1.5%   | 150-160 | 0.0    | 0%     |
| 70-80           | 1.5    | 0.2%   | 160-170 | 0.0    | 0%     |
| 80-90           | 0.2    | 0.0%   | 170-180 | 0.0    | 0%     |

UNIT: cd

| C (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |
|---------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 0       | 551  | 551  | 551  | 551  | 551  | 551   | 551  | 551   | 551  | 551   | 551  | 551   | 551  | 551   | 551  | 551   |
| 5       | 549  | 551  | 553  | 554  | 554  | 554   | 555  | 555   | 555  | 555   | 554  | 552   | 550  | 548   | 547  | 547   |
| 10      | 544  | 550  | 553  | 555  | 555  | 553   | 553  | 553   | 554  | 555   | 554  | 552   | 547  | 541   | 537  | 539   |
| 15      | 531  | 538  | 542  | 544  | 543  | 541   | 540  | 540   | 542  | 543   | 542  | 539   | 533  | 525   | 520  | 523   |
| 20      | 500  | 507  | 511  | 514  | 514  | 512   | 510  | 510   | 511  | 511   | 510  | 507   | 501  | 492   | 488  | 492   |
| 25      | 448  | 455  | 459  | 463  | 464  | 463   | 461  | 460   | 461  | 459   | 456  | 453   | 447  | 440   | 438  | 441   |
| 30      | 375  | 381  | 386  | 390  | 393  | 393   | 391  | 389   | 389  | 386   | 382  | 377   | 373  | 368   | 366  | 370   |
| 35      | 291  | 297  | 303  | 306  | 308  | 307   | 306  | 304   | 305  | 302   | 298  | 292   | 288  | 284   | 283  | 287   |
| 40      | 210  | 216  | 221  | 224  | 223  | 222   | 221  | 219   | 221  | 220   | 217  | 212   | 207  | 203   | 203  | 206   |
| 45      | 144  | 149  | 151  | 152  | 152  | 151   | 149  | 149   | 150  | 149   | 148  | 145   | 141  | 138   | 138  | 141   |
| 50      | 93.6 | 95.8 | 96.9 | 97.4 | 97.4 | 96.8  | 96.1 | 95.4  | 96.4 | 95.2  | 93.8 | 92.5  | 91.1 | 89.7  | 89.9 | 92.0  |
| 55      | 56.7 | 57.7 | 58.2 | 58.7 | 58.9 | 58.9  | 58.5 | 57.7  | 57.5 | 56.5  | 55.3 | 54.5  | 54.2 | 54.1  | 54.8 | 56.1  |
| 60      | 28.0 | 28.4 | 28.7 | 29.1 | 29.5 | 29.7  | 29.5 | 28.7  | 28.4 | 27.6  | 26.8 | 26.4  | 26.5 | 26.8  | 27.4 | 28.0  |
| 65      | 8.96 | 8.99 | 9.05 | 9.22 | 9.65 | 9.89  | 10.1 | 9.72  | 9.40 | 8.74  | 8.15 | 7.82  | 7.96 | 8.26  | 8.82 | 9.12  |
| 70      | 2.88 | 2.83 | 2.84 | 2.90 | 3.02 | 3.17  | 3.25 | 3.18  | 3.06 | 2.85  | 2.71 | 2.66  | 2.70 | 2.80  | 2.93 | 2.98  |
| 75      | 1.23 | 1.20 | 1.21 | 1.24 | 1.29 | 1.35  | 1.38 | 1.36  | 1.31 | 1.23  | 1.18 | 1.16  | 1.18 | 1.22  | 1.26 | 1.27  |
| 80      | 0.47 | 0.46 | 0.46 | 0.47 | 0.50 | 0.53  | 0.54 | 0.54  | 0.52 | 0.48  | 0.46 | 0.45  | 0.45 | 0.47  | 0.49 | 0.49  |
| 85      | 0.12 | 0.12 | 0.12 | 0.13 | 0.14 | 0.14  | 0.15 | 0.15  | 0.14 | 0.13  | 0.12 | 0.12  | 0.12 | 0.13  | 0.14 | 0.13  |

SPECTRAL POWER DISTRIBUTION & CHROMATICITY DIAGRAM



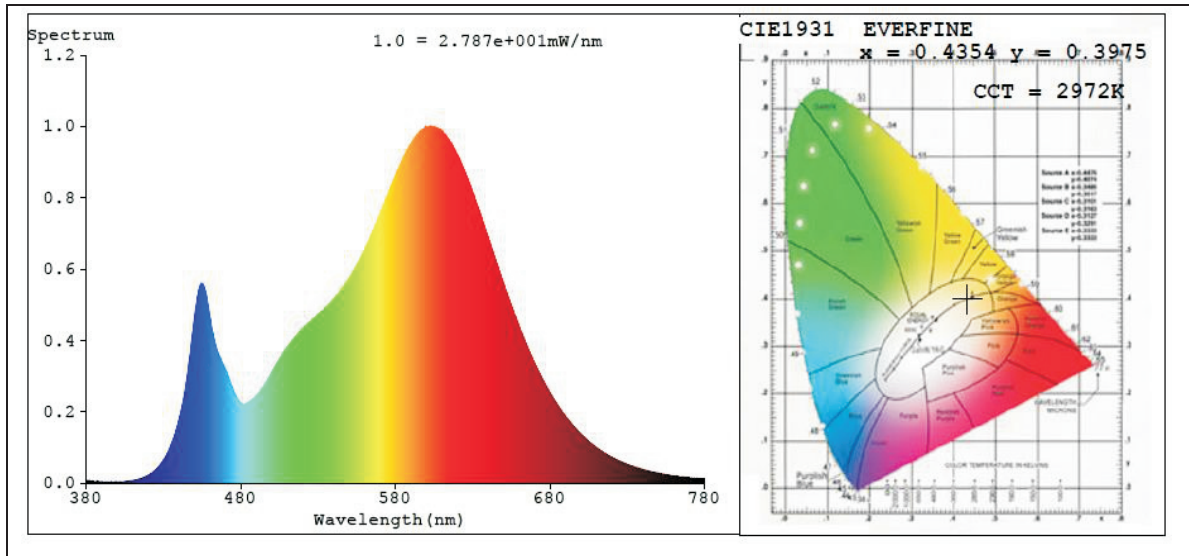
| Zonal Lumen Summary |         |            |
|---------------------|---------|------------|
| Zone                | Lumens  | %Luminaire |
| 0-30                | 615.5   | 53%        |
| 0-40                | 893.6   | 76.9%      |
| 0-60                | 1,141.8 | 98.3%      |
| 60-90               | 19.8    | 1.7%       |
| 70-100              | 2.5     | 0.2%       |
| 90-120              | 0       | 0%         |
| 0-90                | 1,161.6 | 100%       |
| 90-180              | 0.0     | 0%         |
| 0-180               | 1,161.7 | 100%       |

| Lumens Per Zone |        |         |         |        |         |
|-----------------|--------|---------|---------|--------|---------|
| Zone            | Lumens | % Total | Zone    | Lumens | % Total |
| 0-10            | 78.7   | 6.8%    | 90-100  | 0      | 0%      |
| 10-20           | 225.8  | 19.4%   | 100-110 | 0      | 0%      |
| 20-30           | 311.0  | 26.8%   | 110-120 | 0      | 0%      |
| 30-40           | 278.1  | 23.9%   | 120-130 | 0.0    | 0%      |
| 40-50           | 171.1  | 14.7%   | 130-140 | 0.0    | 0%      |
| 50-60           | 77.2   | 6.6%    | 140-150 | 0.0    | 0%      |
| 60-70           | 17.3   | 1.5%    | 150-160 | 0.0    | 0%      |
| 70-80           | 2.2    | 0.2%    | 160-170 | 0.0    | 0%      |
| 80-90           | 0.3    | 0.0%    | 170-180 | 0.0    | 0%      |

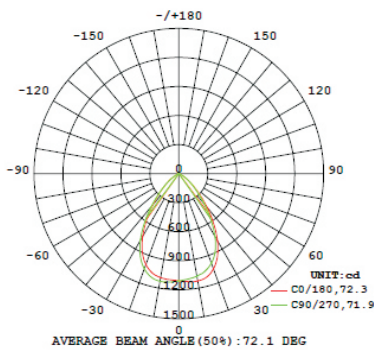
UNIT: cd

| C (DEG) \ Y (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 0                 | 825  | 825  | 825  | 825  | 825  | 825   | 825  | 825   | 825  | 825   | 825  | 825   | 825  | 825   | 825  | 825   |
| 5                 | 825  | 822  | 820  | 819  | 819  | 821   | 823  | 826   | 828  | 829   | 830  | 830   | 830  | 830   | 829  | 827   |
| 10                | 824  | 819  | 815  | 811  | 810  | 814   | 819  | 824   | 827  | 828   | 829  | 828   | 828  | 829   | 830  | 828   |
| 15                | 806  | 802  | 797  | 792  | 790  | 795   | 801  | 806   | 809  | 811   | 811  | 810   | 810  | 812   | 814  | 812   |
| 20                | 762  | 759  | 754  | 749  | 746  | 750   | 755  | 758   | 761  | 762   | 762  | 762   | 763  | 767   | 769  | 768   |
| 25                | 688  | 686  | 682  | 677  | 674  | 676   | 678  | 680   | 683  | 683   | 683  | 684   | 686  | 690   | 693  | 693   |
| 30                | 580  | 580  | 577  | 572  | 569  | 568   | 569  | 569   | 572  | 572   | 573  | 573   | 576  | 580   | 584  | 584   |
| 35                | 454  | 454  | 452  | 448  | 444  | 442   | 442  | 441   | 444  | 444   | 444  | 444   | 447  | 451   | 454  | 456   |
| 40                | 330  | 330  | 328  | 325  | 321  | 319   | 318  | 318   | 321  | 320   | 319  | 318   | 321  | 324   | 327  | 331   |
| 45                | 224  | 226  | 225  | 222  | 219  | 217   | 216  | 216   | 217  | 216   | 215  | 214   | 215  | 218   | 221  | 224   |
| 50                | 144  | 146  | 147  | 145  | 142  | 141   | 140  | 139   | 140  | 139   | 138  | 137   | 137  | 139   | 142  | 144   |
| 55                | 87.2 | 89.1 | 89.6 | 88.6 | 87.1 | 85.7  | 84.3 | 83.0  | 83.1 | 82.3  | 81.2 | 80.4  | 80.9 | 82.3  | 84.1 | 86.2  |
| 60                | 44.3 | 45.9 | 46.4 | 45.9 | 44.8 | 43.4  | 42.0 | 40.8  | 40.7 | 40.1  | 39.2 | 38.6  | 39.0 | 40.0  | 41.3 | 43.0  |
| 65                | 14.9 | 16.3 | 16.9 | 16.5 | 15.4 | 14.0  | 12.9 | 12.2  | 12.3 | 12.3  | 12.2 | 11.9  | 11.8 | 12.1  | 12.6 | 15.3  |
| 70                | 4.77 | 5.05 | 5.15 | 4.94 | 4.60 | 4.31  | 4.13 | 4.06  | 4.16 | 4.24  | 4.25 | 4.16  | 4.10 | 4.14  | 4.27 | 4.52  |
| 75                | 2.04 | 2.15 | 2.17 | 2.08 | 1.94 | 1.81  | 1.73 | 1.71  | 1.77 | 1.80  | 1.82 | 1.79  | 1.76 | 1.79  | 1.87 | 1.97  |
| 80                | 0.81 | 0.86 | 0.86 | 0.82 | 0.74 | 0.67  | 0.64 | 0.63  | 0.66 | 0.68  | 0.69 | 0.69  | 0.67 | 0.68  | 0.72 | 0.77  |
| 85                | 0.23 | 0.25 | 0.25 | 0.23 | 0.20 | 0.18  | 0.17 | 0.16  | 0.17 | 0.17  | 0.17 | 0.17  | 0.17 | 0.18  | 0.20 | 0.22  |

SPECTRAL POWER DISTRIBUTION & CHROMATICITY DIAGRAM



ZONAL LUMEN TABULATION



| Zonal Lumen Summary |         |            |
|---------------------|---------|------------|
| Zone                | Lumens  | %Luminaire |
| 0-30                | 828.7   | 53.1%      |
| 0-40                | 1,203.2 | 77.2%      |
| 0-60                | 1,532.7 | 98.3%      |
| 60-90               | 26.4    | 1.7%       |
| 70-100              | 3.4     | 0.2%       |
| 90-120              | 0       | 0%         |
| 0-90                | 1,599.1 | 100%       |
| 90-180              | 0.0     | 0%         |
| 0-180               | 1,599.2 | 100%       |

| Lumens Per Zone |        |         |         |        |         |
|-----------------|--------|---------|---------|--------|---------|
| Zone            | Lumens | % Total | Zone    | Lumens | % Total |
| 0-10            | 105.8  | 6.8%    | 90-100  | 0      | 0%      |
| 10-20           | 303.7  | 19.5%   | 100-110 | 0      | 0%      |
| 20-30           | 419.1  | 26.7%   | 110-120 | 0      | 0%      |
| 30-40           | 374.5  | 24.0%   | 120-130 | 0.0    | 0%      |
| 40-50           | 227.2  | 14.6%   | 130-140 | 0.0    | 0%      |
| 50-60           | 102.2  | 6.6%    | 140-150 | 0.0    | 0%      |
| 60-70           | 23.0   | 1.5%    | 150-160 | 0.0    | 0%      |
| 70-80           | 3.0    | 0.2%    | 160-170 | 0.0    | 0%      |
| 80-90           | 0.4    | 0.0%    | 170-180 | 0.0    | 0%      |

UNIT: cd

| C (DEG) | 0    | 22.5 | 45   | 67.5 | 90   | 112.5 | 135  | 157.5 | 180  | 202.5 | 225  | 247.5 | 270  | 292.5 | 315  | 337.5 |
|---------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 0       | 1107 | 1107 | 1107 | 1107 | 1107 | 1107  | 1107 | 1107  | 1107 | 1107  | 1107 | 1107  | 1107 | 1107  | 1107 | 1107  |
| 5       | 1120 | 1115 | 1106 | 1098 | 1094 | 1090  | 1091 | 1095  | 1100 | 1106  | 1113 | 1118  | 1125 | 1125  | 1127 | 1124  |
| 10      | 1125 | 1116 | 1104 | 1087 | 1076 | 1071  | 1075 | 1084  | 1091 | 1103  | 1115 | 1123  | 1129 | 1133  | 1135 | 1135  |
| 15      | 1109 | 1097 | 1083 | 1061 | 1044 | 1037  | 1045 | 1053  | 1063 | 1077  | 1091 | 1101  | 1107 | 1113  | 1120 | 1118  |
| 20      | 1047 | 1037 | 1023 | 1003 | 985  | 978   | 982  | 988   | 999  | 1013  | 1030 | 1041  | 1046 | 1054  | 1062 | 1060  |
| 25      | 946  | 936  | 923  | 906  | 890  | 882   | 882  | 886   | 896  | 909   | 925  | 937   | 945  | 952   | 961  | 959   |
| 30      | 800  | 791  | 779  | 763  | 748  | 739   | 738  | 741   | 751  | 762   | 777  | 790   | 798  | 807   | 815  | 814   |
| 35      | 626  | 618  | 606  | 590  | 576  | 568   | 568  | 573   | 583  | 292   | 603  | 614   | 623  | 632   | 639  | 639   |
| 40      | 454  | 446  | 434  | 419  | 409  | 403   | 404  | 409   | 420  | 428   | 433  | 438   | 445  | 452   | 459  | 462   |
| 45      | 305  | 301  | 292  | 282  | 275  | 271   | 274  | 278   | 285  | 288   | 291  | 292   | 295  | 300   | 306  | 310   |
| 50      | 194  | 192  | 189  | 184  | 179  | 178   | 180  | 182   | 186  | 187   | 188  | 187   | 188  | 191   | 196  | 199   |
| 55      | 115  | 114  | 113  | 111  | 110  | 109   | 110  | 111   | 113  | 112   | 111  | 110   | 110  | 112   | 115  | 117   |
| 60      | 56.4 | 56.4 | 56.5 | 56.3 | 56.0 | 56.1  | 56.6 | 56.8  | 57.0 | 55.8  | 54.5 | 53.4  | 53.3 | 54.1  | 56.1 | 57.4  |
| 65      | 18.4 | 18.5 | 18.4 | 18.3 | 18.5 | 18.8  | 19.1 | 19.4  | 21.9 | 20.9  | 19.1 | 18.3  | 18.1 | 18.5  | 19.5 | 20.9  |
| 70      | 6.53 | 6.43 | 5.96 | 5.91 | 5.93 | 6.07  | 6.55 | 6.69  | 6.36 | 5.96  | 5.53 | 5.30  | 5.30 | 5.54  | 5.87 | 6.21  |
| 75      | 2.69 | 2.63 | 2.58 | 2.58 | 2.60 | 2.66  | 2.71 | 2.74  | 2.71 | 2.53  | 2.35 | 2.25  | 2.26 | 2.36  | 2.54 | 2.68  |
| 80      | 1.08 | 1.06 | 1.03 | 1.01 | 1.01 | 1.03  | 1.06 | 1.08  | 1.06 | 0.97  | 0.88 | 0.84  | 0.85 | 0.91  | 0.99 | 1.07  |
| 85      | 0.32 | 0.31 | 0.30 | 0.27 | 0.28 | 0.29  | 0.30 | 0.30  | 0.30 | 0.26  | 0.23 | 0.22  | 0.22 | 0.25  | 0.28 | 0.31  |