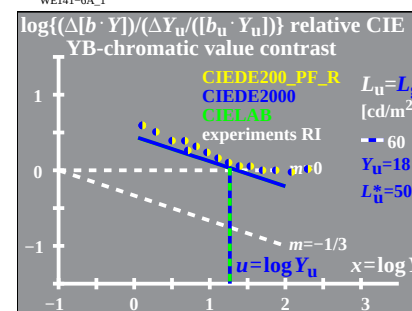
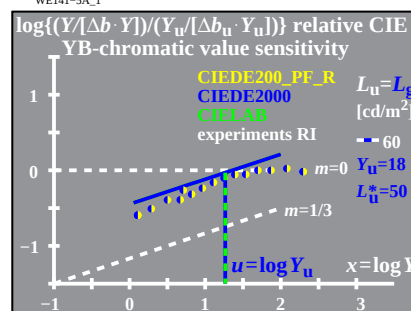
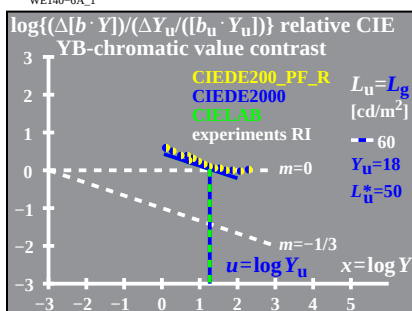
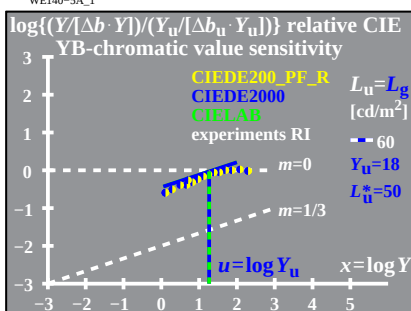
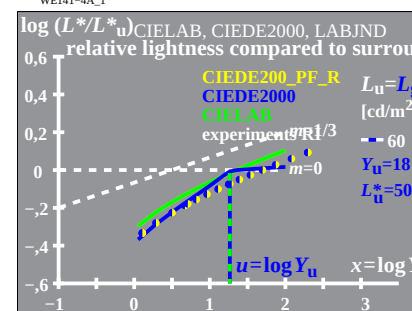
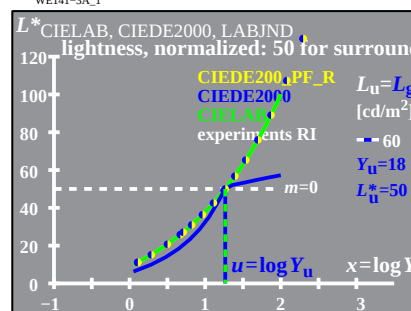
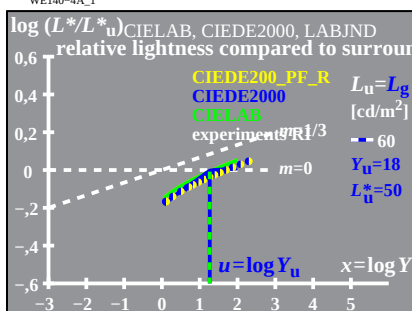
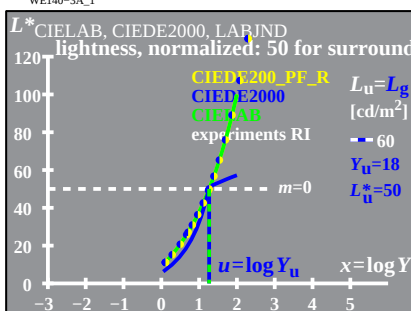
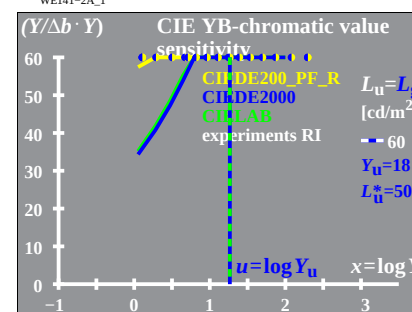
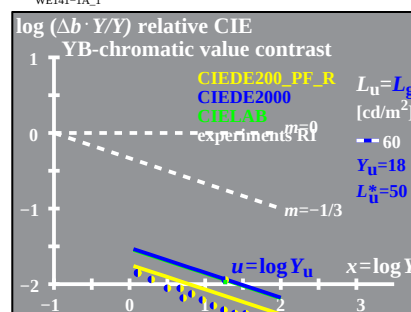
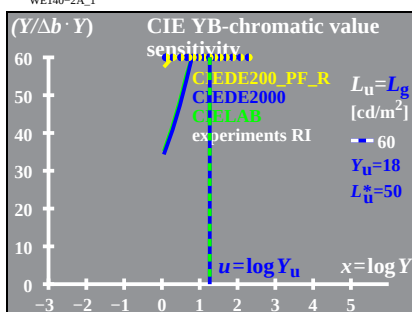
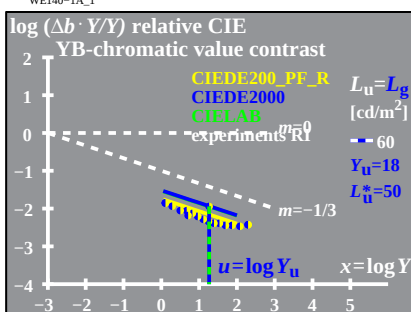
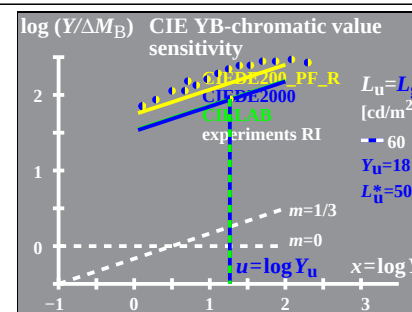
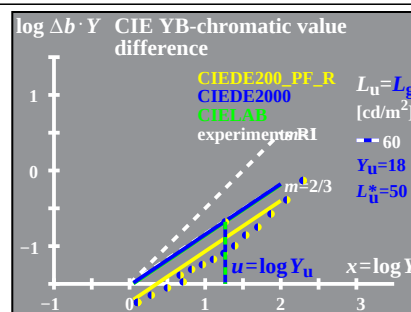
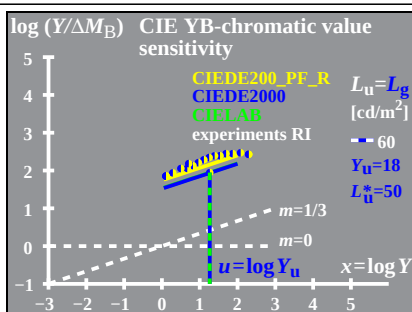
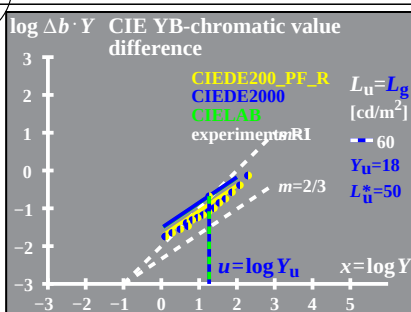


see similar files: <http://130.149.60.45/~farbmeterik/WE14/WE14L0NP.PDF> / .PS; start output  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

TUB registration: 20130201-WE14/WE14L0NP.PDF /.PS  
application for measurement of offset print output

TUB material: code=rha4ta



see similar files: <http://130.149.60.45/~farbmetrik/WE14/WE14.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| %XS                                                                                                                                               | YS      | ZS      | X0      | Y0      | Z0      | X1      | Y1      | Z1      | DV      | dE*ab | dE*CH | dE*94 | dE*CM | dE*00 | dE*85 | no.      | Code       | L*   | a* | b* | % |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|-------|----------|------------|------|----|----|---|
| %CIEXYZ*1000 data for iim=310 colours, CIE data XYZ0 and XYZ1 for delta_E*ab=delta_E*CIELAB=CIELCH=1, and visual DV=1 expected for this formula % |         |         |         |         |         |         |         |         |         |       |       |       |       |       |       |          |            |      |    |    |   |
| YS00                                                                                                                                              | Y000    | Y100    | YD00    | L000    | L100    | LD00    | A000    | A100    | AD00    | B000  | B100  | BD00  | A00M  | A10M  | AD0M  | B00M     | B10M       | BD0M |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0001070 | 0001126 | 0001226 | 0001070 | 0001126 | 0001177 | 0001000 | 00958 | 00958 | 00995 | 01298 | 01000 | 00694 | 18140210 | (10009_BY) | 10   | 0  | 0  | % |
| 1000000                                                                                                                                           | 1126    | 1126    | 0       | 9999    | 9999    | 0       | 950     | 950     | 0       | -435  | -418  | 17    | 1070  | 1070  | 0     | -490     | -470       | 19   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0001813 | 0001908 | 0002078 | 0001814 | 0001909 | 0002008 | 0001000 | 00959 | 00959 | 00996 | 01299 | 01001 | 00739 | 18140211 | (15009_BY) | 15   | 0  | 0  | % |
| 1000000                                                                                                                                           | 1908    | 1909    | 0       | 14996   | 15002   | 5       | 950     | 950     | 0       | -435  | -420  | 14    | 1813  | 1814  | 1     | -831     | -803       | 27   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0002840 | 0002989 | 0003254 | 0002841 | 0002989 | 0003159 | 0001000 | 00959 | 00960 | 00997 | 01300 | 01001 | 00765 | 18140212 | (20009_BY) | 20   | 0  | 0  | % |
| 1000000                                                                                                                                           | 2989    | 2989    | 0       | 19999   | 19999   | 0       | 950     | 950     | 0       | -435  | -422  | 12    | 2840  | 2841  | 0     | -1301    | -1263      | 38   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0004196 | 0004415 | 0004807 | 0004197 | 0004416 | 0004684 | 0001000 | 00960 | 00960 | 00997 | 01300 | 01002 | 00777 | 18140213 | (25002_BY) | 25   | 0  | 0  | % |
| 1000000                                                                                                                                           | 4415    | 4416    | 0       | 24998   | 25001   | 3       | 950     | 950     | 0       | -435  | -424  | 11    | 4196  | 4197  | 0     | -1922    | -1873      | 49   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0005926 | 0006235 | 0006789 | 0005927 | 0006236 | 0006634 | 0001000 | 00960 | 00960 | 00997 | 01300 | 01002 | 00780 | 18140214 | (30002_BY) | 30   | 0  | 0  | % |
| 1000000                                                                                                                                           | 6235    | 6236    | 0       | 29997   | 30000   | 2       | 950     | 950     | 0       | -435  | -425  | 10    | 5926  | 5927  | 0     | -2715    | -2653      | 62   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0008076 | 0008498 | 0009253 | 0008077 | 0008499 | 0009062 | 0001000 | 00960 | 00960 | 00998 | 01301 | 01002 | 00777 | 18140215 | (35002_BY) | 35   | 0  | 0  | % |
| 1000000                                                                                                                                           | 8498    | 8499    | 1       | 34999   | 35001   | 1       | 950     | 950     | 0       | -435  | -426  | 9     | 8076  | 8077  | 1     | -3701    | -3624      | 76   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0010692 | 0011250 | 0012250 | 0010693 | 0011251 | 0012019 | 0001000 | 00960 | 00961 | 00998 | 01301 | 01003 | 00769 | 18140216 | (40002_BY) | 40   | 0  | 0  | % |
| 1000000                                                                                                                                           | 11250   | 11251   | 0       | 39998   | 40000   | 1       | 950     | 950     | 0       | -435  | -427  | 8     | 10692 | 10693 | 1     | -4900    | -4807      | 92   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0013820 | 0014541 | 0015833 | 0013821 | 0014542 | 0015559 | 0001000 | 00961 | 00961 | 00998 | 01301 | 01003 | 00759 | 18140217 | (45002_BY) | 45   | 0  | 0  | % |
| 1000000                                                                                                                                           | 14541   | 14542   | 1       | 44999   | 45000   | 1       | 950     | 950     | 0       | -435  | -427  | 7     | 13820 | 13821 | 1     | -6333    | -6223      | 109  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0017505 | 0018418 | 0020054 | 0017505 | 0018419 | 0019733 | 0001000 | 00961 | 00961 | 00998 | 01302 | 01003 | 00748 | 18140218 | (50002_BY) | 50   | 0  | 0  | % |
| 1000000                                                                                                                                           | 18418   | 18419   | 0       | 49999   | 50000   | 1       | 950     | 950     | 0       | -435  | -428  | 6     | 17505 | 17505 | 0     | -8021    | -7893      | 128  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0021792 | 0022929 | 0024966 | 0021793 | 0022930 | 0024594 | 0001000 | 00961 | 00961 | 00999 | 01302 | 01003 | 00737 | 18140219 | (55002_BY) | 55   | 0  | 0  | % |
| 1000000                                                                                                                                           | 22929   | 22930   | 0       | 54999   | 55000   | 1       | 950     | 950     | 0       | -435  | -429  | 6     | 21792 | 21793 | 0     | -9986    | -9837      | 148  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0026728 | 0028123 | 0030620 | 0026729 | 0028123 | 0030194 | 0001000 | 00961 | 00961 | 00999 | 01302 | 01003 | 00725 | 18140220 | (60002_BY) | 60   | 0  | 0  | % |
| 1000000                                                                                                                                           | 28123   | 28123   | 0       | 59999   | 59999   | 0       | 950     | 950     | 0       | -435  | -429  | 6     | 26728 | 26729 | 1     | -12248   | -12077     | 170  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0032358 | 0034047 | 0037070 | 0032359 | 0034047 | 0036586 | 0001000 | 00961 | 00961 | 00999 | 01302 | 01004 | 00713 | 18140221 | (65002_BY) | 65   | 0  | 0  | % |
| 1000000                                                                                                                                           | 34047   | 34047   | 0       | 64999   | 64999   | 0       | 950     | 950     | 0       | -435  | -429  | 5     | 32358 | 32359 | 0     | -14828   | -14634     | 193  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0038728 | 0040749 | 0044367 | 0038728 | 0040750 | 0043821 | 0001000 | 00961 | 00961 | 00999 | 01302 | 01004 | 00702 | 18140222 | (70002_BY) | 70   | 0  | 0  | % |
| 1000000                                                                                                                                           | 40749   | 40750   | 1       | 69999   | 70000   | 0       | 950     | 950     | 0       | -435  | -430  | 5     | 38728 | 38728 | 0     | -17746   | -17528     | 218  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0045883 | 0048278 | 0052565 | 0045884 | 0048278 | 0051953 | 0001000 | 00961 | 00961 | 00999 | 01302 | 01004 | 00691 | 18140223 | (75002_BY) | 75   | 0  | 0  | % |
| 1000000                                                                                                                                           | 48278   | 48278   | 0       | 74999   | 74999   | 0       | 950     | 950     | 0       | -435  | -430  | 5     | 45883 | 45884 | 0     | -21026   | -20781     | 244  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0053869 | 0056681 | 0061714 | 0053870 | 0056681 | 0061033 | 0001000 | 00961 | 00961 | 00999 | 01303 | 01004 | 00680 | 18140224 | (80002_BY) | 80   | 0  | 0  | % |
| 1000000                                                                                                                                           | 56681   | 56681   | 0       | 79999   | 79999   | 0       | 950     | 950     | 0       | -435  | -430  | 4     | 53869 | 53870 | 0     | -24685   | -24413     | 272  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0062733 | 0066007 | 0071868 | 0062733 | 0066007 | 0071113 | 0001000 | 00961 | 00961 | 00999 | 01303 | 01004 | 00670 | 18140225 | (85002_BY) | 85   | 0  | 0  | % |
| 1000000                                                                                                                                           | 66007   | 66007   | 0       | 84999   | 84999   | 0       | 950     | 950     | 0       | -435  | -430  | 4     | 62733 | 62733 | 0     | -28747   | -28445     | 301  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0072518 | 0076303 | 0083079 | 0072519 | 0076303 | 0082247 | 0001000 | 00961 | 00962 | 00999 | 01303 | 01004 | 00660 | 18140226 | (90002_BY) | 90   | 0  | 0  | % |
| 1000000                                                                                                                                           | 76303   | 76303   | 0       | 89999   | 89999   | 0       | 950     | 950     | 0       | -435  | -431  | 4     | 72518 | 72519 | 0     | -33231   | -32898     | 332  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0083272 | 0087618 | 0095398 | 0083273 | 0087618 | 0094486 | 0001000 | 00961 | 00962 | 00999 | 01303 | 01004 | 00650 | 18140313 | (95002_BY) | 95   | 0  | 0  | % |
| 1000000                                                                                                                                           | 87618   | 87618   | 0       | 94999   | 94999   | 0       | 950     | 950     | 0       | -435  | -431  | 4     | 83272 | 83273 | 0     | -38159   | -37794     | 364  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0095040 | 0100000 | 0108880 | 0095040 | 0100000 | 0107883 | 0001000 | 00961 | 00962 | 00999 | 01303 | 01004 | 00641 | 18140314 | (99002_BY) | 100  | 0  | 0  | % |
| 1000000                                                                                                                                           | 100000  | 100000  | 0       | 100000  | 100000  | 0       | 950     | 950     | 0       | -435  | -431  | 3     | 95040 | 95040 | 0     | -43552   | -43153     | 398  |    |    |   |

pchartl=1

WE140-7N

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| %XS                                                                                                                                               | YS      | ZS      | X0      | Y0      | Z0      | X1      | Y1      | Z1      | DV      | dE*ab | dE*CH | dE*94 | dE*CM | dE*00 | dE*85 | no.      | Code       | L*   | a* | b* | % |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|-------|----------|------------|------|----|----|---|
| %CIEXYZ*1000 data for iim=310 colours, CIE data XYZ0 and XYZ1 for delta_E*ab=delta_E*CIELAB=CIELCH=1, and visual DV=1 expected for this formula % |         |         |         |         |         |         |         |         |         |       |       |       |       |       |       |          |            |      |    |    |   |
| YS00                                                                                                                                              | Y000    | Y100    | YD00    | L000    | L100    | LD00    | A000    | A100    | AD00    | B000  | B100  | BD00  | A00M  | A10M  | AD0M  | B00M     | B10M       | BD0M |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0001070 | 0001126 | 0001226 | 0001071 | 0001127 | 0001146 | 0001000 | 00994 | 00994 | 00994 | 01557 | 00972 | 00363 | 18140210 | (10009_BY) | 10   | 0  | 0  | % |
| 100000                                                                                                                                            | 1126    | 1127    | 1       | 9999    | 10007   | 7       | 950     | 950     | 0       | -435  | -406  | 28    | 1070  | 1071  | 1     | -490     | -458       | 32   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0001813 | 0001908 | 0002078 | 0001814 | 0001909 | 0001964 | 0001000 | 00996 | 00997 | 00997 | 01562 | 00975 | 00435 | 18140211 | (15009_BY) | 15   | 0  | 0  | % |
| 100000                                                                                                                                            | 1908    | 1909    | 0       | 14996   | 15002   | 5       | 950     | 950     | 0       | -435  | -411  | 24    | 1813  | 1814  | 1     | -831     | -785       | 45   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0002840 | 0002989 | 0003254 | 0002841 | 0002990 | 0003100 | 0001000 | 00998 | 00998 | 00998 | 01563 | 00976 | 00482 | 18140212 | (20009_BY) | 20   | 0  | 0  | % |
| 100000                                                                                                                                            | 2989    | 2990    | 1       | 19999   | 20003   | 4       | 950     | 950     | 0       | -435  | -414  | 20    | 2840  | 2841  | 0     | -1301    | -1240      | 61   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0004196 | 0004415 | 0004807 | 0004197 | 0004416 | 0004607 | 0001000 | 00998 | 00998 | 00998 | 01564 | 00976 | 00505 | 18140213 | (25002_BY) | 25   | 0  | 0  | % |
| 100000                                                                                                                                            | 4415    | 4416    | 0       | 24998   | 25001   | 3       | 950     | 950     | 0       | -435  | -417  | 18    | 4196  | 4197  | 0     | -1922    | -1842      | 80   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0005926 | 0006235 | 0006789 | 0005927 | 0006236 | 0006537 | 0001000 | 00999 | 00999 | 00998 | 01564 | 00977 | 00511 | 18140214 | (30002_BY) | 30   | 0  | 0  | % |
| 100000                                                                                                                                            | 6235    | 6236    | 0       | 29997   | 30000   | 2       | 950     | 950     | 0       | -435  | -419  | 16    | 5926  | 5927  | 0     | -2715    | -2614      | 100  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0008076 | 0008498 | 0009253 | 0008077 | 0008499 | 0008941 | 0001000 | 00999 | 00999 | 00999 | 01565 | 00977 | 00504 | 18140215 | (35002_BY) | 35   | 0  | 0  | % |
| 100000                                                                                                                                            | 8498    | 8499    | 1       | 34999   | 35001   | 1       | 950     | 950     | 0       | -435  | -420  | 14    | 8076  | 8077  | 1     | -3701    | -3576      | 124  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0010692 | 0011250 | 0012250 | 0010693 | 0011251 | 0011874 | 0001000 | 00999 | 00999 | 00999 | 01565 | 00977 | 00491 | 18140216 | (40002_BY) | 40   | 0  | 0  | % |
| 100000                                                                                                                                            | 11250   | 11251   | 0       | 39998   | 40000   | 1       | 950     | 950     | 0       | -435  | -422  | 13    | 10692 | 10693 | 1     | -4900    | -4749      | 150  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0013820 | 0014541 | 0015833 | 0013821 | 0014542 | 0015386 | 0001000 | 00999 | 00999 | 00999 | 01565 | 00977 | 00473 | 18140217 | (45002_BY) | 45   | 0  | 0  | % |
| 100000                                                                                                                                            | 14541   | 14542   | 1       | 44999   | 45000   | 1       | 950     | 950     | 0       | -435  | -423  | 12    | 13820 | 13821 | 1     | -6333    | -6154      | 178  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0017505 | 0018418 | 0020054 | 0017506 | 0018419 | 0019531 | 0001000 | 00999 | 00999 | 00999 | 01565 | 00977 | 00454 | 18140218 | (50002_BY) | 50   | 0  | 0  | % |
| 100000                                                                                                                                            | 18418   | 18419   | 0       | 49999   | 50000   | 1       | 950     | 950     | 0       | -435  | -424  | 11    | 17505 | 17506 | 0     | -8021    | -7812      | 209  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0021792 | 0022929 | 0024966 | 0021793 | 0022930 | 0024360 | 0001000 | 00999 | 00999 | 00999 | 01565 | 00977 | 00434 | 18140219 | (55002_BY) | 55   | 0  | 0  | % |
| 100000                                                                                                                                            | 22929   | 22930   | 0       | 54999   | 55000   | 1       | 950     | 950     | 0       | -435  | -424  | 10    | 21792 | 21793 | 0     | -9986    | -9744      | 242  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0026728 | 0028123 | 0030620 | 0026729 | 0028124 | 0029925 | 0001000 | 00999 | 00999 | 00999 | 01565 | 00977 | 00415 | 18140220 | (60002_BY) | 60   | 0  | 0  | % |
| 100000                                                                                                                                            | 28123   | 28124   | 0       | 59999   | 60000   | 0       | 950     | 950     | 0       | -435  | -425  | 9     | 26728 | 26729 | 1     | -12248   | -11970     | 277  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0032358 | 0034047 | 0037070 | 0032359 | 0034048 | 0036280 | 0001000 | 00999 | 00999 | 00999 | 01565 | 00977 | 00396 | 18140221 | (65002_BY) | 65   | 0  | 0  | % |
| 100000                                                                                                                                            | 34047   | 34048   | 0       | 64999   | 65000   | 0       | 950     | 950     | 0       | -435  | -426  | 9     | 32358 | 32359 | 0     | -14828   | -14512     | 315  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0038728 | 0040749 | 0044367 | 0038729 | 0040750 | 0043477 | 0001000 | 00999 | 01000 | 00999 | 01565 | 00977 | 00378 | 18140222 | (70002_BY) | 70   | 0  | 0  | % |
| 100000                                                                                                                                            | 40749   | 40750   | 1       | 69999   | 70000   | 0       | 950     | 950     | 0       | -435  | -426  | 8     | 38728 | 38729 | 0     | -17746   | -17390     | 356  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0045883 | 0048278 | 0052565 | 0045884 | 0048279 | 0051567 | 0001000 | 00999 | 01000 | 00999 | 01565 | 00977 | 00361 | 18140223 | (75002_BY) | 75   | 0  | 0  | % |
| 100000                                                                                                                                            | 48278   | 48279   | 0       | 74999   | 75000   | 0       | 950     | 950     | 0       | -435  | -427  | 8     | 45883 | 45884 | 0     | -21026   | -20626     | 399  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0053869 | 0056681 | 0061714 | 0053870 | 0056682 | 0060603 | 0001000 | 00999 | 01000 | 00999 | 01565 | 00977 | 00345 | 18140224 | (80002_BY) | 80   | 0  | 0  | % |
| 100000                                                                                                                                            | 56681   | 56682   | 0       | 79999   | 80000   | 0       | 950     | 950     | 0       | -435  | -427  | 7     | 53869 | 53870 | 0     | -24685   | -24241     | 444  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0062733 | 0066007 | 0071868 | 0062734 | 0066008 | 0070638 | 0001000 | 00999 | 01000 | 00999 | 01565 | 00977 | 00331 | 18140225 | (85002_BY) | 85   | 0  | 0  | % |
| 100000                                                                                                                                            | 66007   | 66008   | 0       | 84999   | 85000   | 0       | 950     | 950     | 0       | -435  | -428  | 7     | 62733 | 62734 | 0     | -28747   | -28255     | 492  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0072518 | 0076303 | 0083079 | 0072519 | 0076304 | 0081723 | 0001000 | 00999 | 01000 | 00999 | 01565 | 00977 | 00317 | 18140226 | (90002_BY) | 90   | 0  | 0  | % |
| 100000                                                                                                                                            | 76303   | 76304   | 0       | 89999   | 90000   | 0       | 950     | 950     | 0       | -435  | -428  | 7     | 72518 | 72519 | 0     | -33231   | -32689     | 542  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0083272 | 0087618 | 0095398 | 0083273 | 0087619 | 0093912 | 0001000 | 00999 | 01000 | 00999 | 01565 | 00977 | 00304 | 18140313 | (95002_BY) | 95   | 0  | 0  | % |
| 100000                                                                                                                                            | 87618   | 87619   | 0       | 94999   | 95000   | 0       | 950     | 950     | 0       | -435  | -428  | 6     | 83272 | 83273 | 0     | -38159   | -37564     | 594  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0095040 | 0100000 | 0108880 | 0095041 | 0100001 | 0107255 | 0001000 | 00999 | 01000 | 00999 | 01565 | 00977 | 00293 | 18140314 | (99002_BY) | 100  | 0  | 0  | % |
| 100000                                                                                                                                            | 100000  | 100001  | 0       | 100000  | 100000  | 0       | 950     | 950     | 0       | -435  | -429  | 6     | 95040 | 95041 | 1     | -43552   | -42902     | 650  |    |    |   |

pchartl=2

WE140-7N

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| %XS                                                                                                                                               | YS      | ZS      | X0      | Y0      | Z0      | X1      | Y1      | Z1      | DV      | dE*ab | dE*CH | dE*94 | dE*CM | dE*00 | dE*85 | no.      | Code       | L*   | a* | b* | % |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|-------|----------|------------|------|----|----|---|
| %CIEXYZ*1000 data for iim=310 colours, CIE data XYZ0 and XYZ1 for delta_E*ab=delta_E*CIELAB=CIELCH=1, and visual DV=1 expected for this formula % |         |         |         |         |         |         |         |         |         |       |       |       |       |       |       |          |            |      |    |    |   |
| YS00                                                                                                                                              | Y000    | Y100    | YD00    | L000    | L100    | LD00    | A000    | A100    | AD00    | B000  | B100  | BD00  | A00M  | A10M  | AD0M  | B00M     | B10M       | BD0M |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0001070 | 0001126 | 0001226 | 0001071 | 0001127 | 0001144 | 0001000 | 01022 | 01023 | 01022 | 01602 | 00999 | 00373 | 18140210 | (10009_BY) | 10   | 0  | 0  | % |
| 100000                                                                                                                                            | 1126    | 1127    | 1       | 6264    | 6269    | 4       | 950     | 950     | 0       | -435  | -406  | 29    | 1070  | 1071  | 1     | -490     | -457       | 32   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0001813 | 0001908 | 0002078 | 0001814 | 0001909 | 0001961 | 0001000 | 01022 | 01023 | 01023 | 01602 | 00999 | 00446 | 18140211 | (15009_BY) | 15   | 0  | 0  | % |
| 100000                                                                                                                                            | 1908    | 1909    | 0       | 9861    | 9864    | 3       | 950     | 950     | 0       | -435  | -410  | 24    | 1813  | 1814  | 1     | -831     | -784       | 46   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0002840 | 0002989 | 0003254 | 0002841 | 0002990 | 0003096 | 0001000 | 01022 | 01023 | 01022 | 01602 | 00999 | 00493 | 18140212 | (20009_BY) | 20   | 0  | 0  | % |
| 100000                                                                                                                                            | 2989    | 2990    | 1       | 13840   | 13842   | 2       | 950     | 950     | 0       | -435  | -414  | 21    | 2840  | 2841  | 0     | -1301    | -1238      | 63   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0004196 | 0004415 | 0004807 | 0004197 | 0004416 | 0004602 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00517 | 18140213 | (25002_BY) | 25   | 0  | 0  | % |
| 100000                                                                                                                                            | 4415    | 4416    | 0       | 18258   | 18260   | 2       | 950     | 950     | 0       | -435  | -416  | 18    | 4196  | 4197  | 0     | -1922    | -1840      | 82   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0005926 | 0006235 | 0006789 | 0005927 | 0006236 | 0006531 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00522 | 18140214 | (30002_BY) | 30   | 0  | 0  | % |
| 100000                                                                                                                                            | 6235    | 6236    | 0       | 23203   | 23205   | 1       | 950     | 950     | 0       | -435  | -418  | 16    | 5926  | 5927  | 0     | -2715    | -2612      | 103  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0008076 | 0008498 | 0009253 | 0008077 | 0008499 | 0008934 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00516 | 18140215 | (35002_BY) | 35   | 0  | 0  | % |
| 100000                                                                                                                                            | 8498    | 8499    | 1       | 28791   | 28792   | 1       | 950     | 950     | 0       | -435  | -420  | 15    | 8076  | 8077  | 1     | -3701    | -3573      | 127  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0010692 | 0011250 | 0012250 | 0010693 | 0011251 | 0011865 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00502 | 18140216 | (40002_BY) | 40   | 0  | 0  | % |
| 100000                                                                                                                                            | 11250   | 11251   | 0       | 35180   | 35182   | 1       | 950     | 950     | 0       | -435  | -421  | 13    | 10692 | 10693 | 1     | -4900    | -4746      | 153  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0013820 | 0014541 | 0015833 | 0013821 | 0014542 | 0015376 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00484 | 18140217 | (45002_BY) | 45   | 0  | 0  | % |
| 100000                                                                                                                                            | 14541   | 14542   | 1       | 42616   | 42617   | 1       | 950     | 950     | 0       | -435  | -422  | 12    | 13820 | 13821 | 1     | -6333    | -6150      | 182  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0017505 | 0018418 | 0020054 | 0017506 | 0018419 | 0019519 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00464 | 18140218 | (50002_BY) | 50   | 0  | 0  | % |
| 100000                                                                                                                                            | 18418   | 18419   | 0       | 49999   | 50000   | 1       | 950     | 950     | 0       | -435  | -423  | 11    | 17505 | 17506 | 0     | -8021    | -7807      | 213  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0021792 | 0022929 | 0024966 | 0021793 | 0022930 | 0024346 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00444 | 18140219 | (55002_BY) | 55   | 0  | 0  | % |
| 100000                                                                                                                                            | 22929   | 22930   | 0       | 52087   | 52088   | 0       | 950     | 950     | 0       | -435  | -424  | 10    | 21792 | 21793 | 0     | -9986    | -9738      | 248  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0026728 | 0028123 | 0030620 | 0026729 | 0028124 | 0029910 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00424 | 18140220 | (60002_BY) | 60   | 0  | 0  | % |
| 100000                                                                                                                                            | 28123   | 28124   | 0       | 52773   | 52774   | 0       | 950     | 950     | 0       | -435  | -425  | 10    | 26728 | 26729 | 1     | -12248   | -11964     | 283  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0032358 | 0034047 | 0037070 | 0032359 | 0034048 | 0036263 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00405 | 18140221 | (65002_BY) | 65   | 0  | 0  | % |
| 100000                                                                                                                                            | 34047   | 34048   | 0       | 53470   | 53470   | 0       | 950     | 950     | 0       | -435  | -426  | 9     | 32358 | 32359 | 0     | -14828   | -14505     | 322  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0038728 | 0040749 | 0044367 | 0038729 | 0040750 | 0043457 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00386 | 18140222 | (70002_BY) | 70   | 0  | 0  | % |
| 100000                                                                                                                                            | 40749   | 40750   | 1       | 54147   | 54147   | 0       | 950     | 950     | 0       | -435  | -426  | 8     | 38728 | 38729 | 0     | -17746   | -17382     | 364  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0045883 | 0048278 | 0052565 | 0045884 | 0048279 | 0051545 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00369 | 18140223 | (75002_BY) | 75   | 0  | 0  | % |
| 100000                                                                                                                                            | 48278   | 48279   | 0       | 54778   | 54779   | 0       | 950     | 950     | 0       | -435  | -427  | 8     | 45883 | 45884 | 0     | -21026   | -20618     | 407  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0053869 | 0056681 | 0061714 | 0053870 | 0056682 | 0060578 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00353 | 18140224 | (80002_BY) | 80   | 0  | 0  | % |
| 100000                                                                                                                                            | 56681   | 56682   | 0       | 55360   | 55360   | 0       | 950     | 950     | 0       | -435  | -427  | 8     | 53869 | 53870 | 0     | -24685   | -24231     | 454  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0062733 | 0066007 | 0071868 | 0062734 | 0066008 | 0070610 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00338 | 18140225 | (85002_BY) | 85   | 0  | 0  | % |
| 100000                                                                                                                                            | 66007   | 66008   | 0       | 55892   | 55893   | 0       | 950     | 950     | 0       | -435  | -427  | 7     | 62733 | 62734 | 0     | -28747   | -28244     | 503  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0072518 | 0076303 | 0083079 | 0072519 | 0076304 | 0081693 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00324 | 18140226 | (90002_BY) | 90   | 0  | 0  | % |
| 100000                                                                                                                                            | 76303   | 76304   | 0       | 56380   | 56381   | 0       | 950     | 950     | 0       | -435  | -428  | 7     | 72518 | 72519 | 0     | -33231   | -32677     | 554  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0083272 | 0087618 | 0095398 | 0083273 | 0087619 | 0093878 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00311 | 18140313 | (95002_BY) | 95   | 0  | 0  | % |
| 100000                                                                                                                                            | 87618   | 87619   | 0       | 56828   | 56828   | 0       | 950     | 950     | 0       | -435  | -428  | 6     | 83272 | 83273 | 0     | -38159   | -37551     | 607  |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0095040 | 0100000 | 0108880 | 0095041 | 0100001 | 0107219 | 0001000 | 01022 | 01022 | 01022 | 01601 | 00999 | 00299 | 18140314 | (99002_BY) | 100  | 0  | 0  | % |
| 100000                                                                                                                                            | 100000  | 100001  | 0       | 57240   | 57240   | 0       | 950     | 950     | 0       | -435  | -428  | 6     | 95040 | 95041 | 1     | -43552   | -42887     | 664  |    |    |   |

pchartl=3

WE140-7N

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| %XS                                                                                                                                               | YS      | ZS      | X0      | Y0      | Z0      | X1      | Y1      | Z1      | DV      | dE*ab | dE*CH | dE*94 | dE*CM  | dE*00  | dE*85 | no.      | Code       | L*   | a* | b* | % |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|--------|--------|-------|----------|------------|------|----|----|---|
| %CIEXYZ*1000 data for iim=310 colours, CIE data XYZ0 and XYZ1 for delta_E*ab=delta_E*CIELAB=CIELCH=1, and visual DV=1 expected for this formula % |         |         |         |         |         |         |         |         |         |       |       |       |        |        |       |          |            |      |    |    |   |
| YS00                                                                                                                                              | Y000    | Y100    | YD00    | L000    | L100    | LD00    | A000    | A100    | AD00    | B000  | B100  | BD00  | A00M   | A10M   | AD0M  | B00M     | B10M       | BD0M |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0188650 | 0197480 | 0086027 | 0188562 | 0197520 | 0087870 | 0001000 | 01760 | 01760 | 01720 | 02490  | 01720  | 01703 | 21000055 | (QPN_BY60) | 129  | 0  | 0  | % |
| 1000000                                                                                                                                           | 197480  | 197520  | 39      | 129534  | 129544  | 9       | 955     | 954     | 0       | -174  | -177  | 3     | 188650 | 188562 | 87    | -34410   | -35148     | 737  |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0188650 | 0197480 | 0086027 | 0188562 | 0197520 | 0087870 | 0001000 | 01760 | 01760 | 01720 | 02490  | 01720  | 01703 | 21000055 | (QPN_BY60) | 129  | 0  | 0  | % |
| 1000000                                                                                                                                           | 197480  | 197520  | 39      | 129534  | 129544  | 9       | 955     | 954     | 0       | -174  | -177  | 3     | 188650 | 188562 | 87    | -34410   | -35148     | 737  |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0114205 | 0120290 | 0054559 | 0114118 | 0120310 | 0055580 | 0001000 | 01328 | 01328 | 01221 | 01749  | 01197  | 01535 | 21000056 | (QPN_BY60) | 107  | 0  | -2 | % |
| 1000000                                                                                                                                           | 120290  | 120310  | 19      | 107367  | 107374  | 6       | 949     | 948     | 0       | -181  | -184  | 3     | 114205 | 114118 | 86    | -21823   | -22232     | 408  |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0070386 | 0074329 | 0034521 | 0070356 | 0074350 | 0035187 | 0001000 | 01165 | 01165 | 01021 | 01403  | 01001  | 01575 | 21000057 | (QPN_BY60) | 89   | 0  | -3 | % |
| 1000000                                                                                                                                           | 74329   | 74350   | 21      | 89077   | 89087   | 9       | 946     | 946     | 0       | -185  | -189  | 3     | 70386  | 70356  | 29    | -13808   | -14074     | 266  |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0047148 | 0049805 | 0023261 | 0047124 | 0049815 | 0023707 | 0001000 | 01018 | 01018 | 00895 | 01233  | 00880  | 01547 | 21000058 | (QPN_BY60) | 75   | 0  | -3 | % |
| 1000000                                                                                                                                           | 49805   | 49815   | 9       | 75949   | 75955   | 6       | 946     | 945     | 0       | -186  | -190  | 3     | 47148  | 47124  | 24    | -9304    | -9482      | 178  |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0032628 | 0034395 | 0015895 | 0032614 | 0034405 | 0016244 | 0001000 | 01024 | 01024 | 00933 | 01325  | 00916  | 01710 | 21000059 | (QPN_BY60) | 65   | 0  | -2 | % |
| 1000000                                                                                                                                           | 34395   | 34405   | 10      | 65274   | 65282   | 7       | 948     | 947     | 0       | -184  | -188  | 4     | 32628  | 32614  | 13    | -6358    | -6497      | 139  |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0023511 | 0024665 | 0011285 | 0023504 | 0024675 | 0011537 | 0001000 | 00921 | 00921 | 00863 | 01258  | 00852  | 01660 | 21000060 | (QPN_BY60) | 56   | 0  | -1 | % |
| 1000000                                                                                                                                           | 24665   | 24675   | 10      | 56747   | 56757   | 9       | 953     | 952     | 0       | -183  | -187  | 4     | 23511  | 23504  | 6     | -4514    | -4614      | 100  |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0016979 | 0017740 | 0007904 | 0016963 | 0017740 | 0008105 | 0001000 | 00952 | 00952 | 00933 | 01410  | 00931  | 01817 | 21000061 | (QPN_BY60) | 49   | 0  | 0  | % |
| 1000000                                                                                                                                           | 17740   | 17740   | 0       | 49179   | 49179   | 0       | 957     | 956     | 0       | -178  | -182  | 4     | 16979  | 16963  | 15    | -3161    | -3242      | 80   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0012387 | 0012870 | 0005557 | 0012376 | 0012870 | 0005724 | 0001000 | 00999 | 00999 | 00978 | 01427  | 00975  | 01979 | 21000062 | (QPN_BY60) | 42   | 0  | 0  | % |
| 1000000                                                                                                                                           | 12870   | 12870   | 0       | 42566   | 42566   | 0       | 962     | 961     | 0       | -172  | -177  | 5     | 12387  | 12376  | 11    | -2222    | -2289      | 66   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0008903 | 0009190 | 0003800 | 0008892 | 0009190 | 0003942 | 0001000 | 01086 | 01086 | 01009 | 01430  | 01027  | 02170 | 21000063 | (QPN_BY60) | 36   | 1  | 1  | % |
| 1000000                                                                                                                                           | 9190    | 9190    | 0       | 36347   | 36347   | 0       | 968     | 967     | 1       | -165  | -171  | 6     | 8903   | 8892   | 11    | -1520    | -1576      | 56   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0006464 | 0006620 | 0002606 | 0006454 | 0006620 | 0002729 | 0001000 | 01209 | 01209 | 01071 | 01489  | 01099  | 02377 | 21000064 | (QPN_BY60) | 30   | 1  | 2  | % |
| 1000000                                                                                                                                           | 6620    | 6620    | 0       | 30925   | 30925   | 0       | 976     | 974     | 1       | -157  | -164  | 7     | 6464   | 6454   | 9     | -1042    | -1091      | 49   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0004608 | 0004680 | 0001738 | 0004600 | 0004680 | 0001841 | 0001000 | 01317 | 01317 | 01122 | 01545  | 01155  | 02470 | 21000065 | (QPN_BY60) | 25   | 1  | 3  | % |
| 1000000                                                                                                                                           | 4680    | 4680    | 0       | 25802   | 25802   | 0       | 984     | 982     | 1       | -148  | -157  | 8     | 4608   | 4600   | 7     | -695     | -736       | 41   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0004836 | 0005120 | 0002381 | 0004829 | 0005120 | 0002465 | 0001000 | 00886 | 00886 | 00836 | 01225  | 00824  | 01942 | 21000066 | (QPN_BY60) | 27   | 0  | -1 | % |
| 1000000                                                                                                                                           | 5120    | 5120    | 0       | 27073   | 27073   | 0       | 944     | 943     | 1       | -186  | -192  | 6     | 4836   | 4829   | 7     | -952     | -986       | 33   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0002977 | 0003170 | 0001525 | 0002972 | 0003170 | 0001595 | 0001000 | 00972 | 00972 | 00895 | 01280  | 00880  | 02081 | 21000067 | (QPN_BY60) | 20   | 0  | -2 | % |
| 1000000                                                                                                                                           | 3170    | 3170    | 0       | 20712   | 20712   | 0       | 939     | 937     | 1       | -192  | -201  | 8     | 2977   | 2972   | 5     | -610     | -638       | 27   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0001819 | 0001940 | 0000953 | 0001814 | 0001940 | 0001009 | 0001000 | 01086 | 01086 | 00996 | 01421  | 00979  | 02129 | 21000068 | (QPN_BY60) | 15   | 0  | -2 | % |
| 1000000                                                                                                                                           | 1940    | 1940    | 0       | 15169   | 15169   | 0       | 937     | 935     | 2       | -196  | -208  | 11    | 1819   | 1814   | 4     | -381     | -403       | 22   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0001200 | 0001280 | 0000628 | 0001196 | 0001280 | 0000673 | 0001000 | 01137 | 01137 | 01055 | 01522  | 01036  | 01961 | 21000069 | (QPN_BY60) | 11   | 0  | -2 | % |
| 1000000                                                                                                                                           | 1280    | 1280    | 0       | 11134   | 11134   | 0       | 937     | 934     | 3       | -196  | -210  | 14    | 1200   | 1196   | 3     | -251     | -269       | 17   |    |    |   |
| 0095189                                                                                                                                           | 0100000 | 0044159 | 0001200 | 0001280 | 0000628 | 0001196 | 0001280 | 0000673 | 0001000 | 01137 | 01137 | 01055 | 01522  | 01036  | 01961 | 21000069 | (QPN_BY60) | 11   | 0  | -2 | % |
| 1000000                                                                                                                                           | 1280    | 1280    | 0       | 11134   | 11134   | 0       | 937     | 934     | 3       | -196  | -210  | 14    | 1200   | 1196   | 3     | -251     | -269       | 17   |    |    |   |
| 0095040                                                                                                                                           | 0100000 | 0108880 | 0017505 | 0018418 | 0020054 | 0017506 | 0018419 | 0019531 | 0001000 | 00999 | 00999 | 00999 | 01565  | 00977  | 00454 | 18140218 | (50002_BY) | 50   | 0  | 0  | % |
| 1000000                                                                                                                                           | 18418   | 18419   | 0       | 49999   | 50000   | 1       | 950     | 950     | 0       | -435  | -424  | 11    | 17505  | 17506  | 0     | -8021    | -7812      | 209  |    |    |   |

pchartl=4

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