

| T | i  | LAB*a,ref |      |      | hab,ref | LAB*a,out |      |      | hab,out | LAB*a,out/c-ref |      |      | $\Delta H^*$ | $\Delta E^*$ | Start output S1                                                                                                                                                                                                                                                                                                                                                                          |
|---|----|-----------|------|------|---------|-----------|------|------|---------|-----------------|------|------|--------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| O | 1  | 48.3      | 64.0 | 50.4 | 38      | 48.3      | 64.0 | 50.4 | 38      | 0.0             | 0.0  | 0.0  | 0.0          | 0.0          | Specification according to<br>ISO/IEC 15775 Annex G<br>and DIN 33866-1 Annex G<br>relative CIELAB data used for "out"<br>$\Delta L^* = 95.23 - 48.25$<br>Regularity<br>$g^* = 40.8$<br>Lightness gamut relative to offset<br>$f^* = 60.7$<br><br>Orange red – White<br>rgb: O – W<br><br>Mean CIELAB difference (17 steps)<br>$\Delta H^*_{CIELAB} = 7.6$<br>$\Delta E^*_{CIELAB} = 8.5$ |
|   | 2  | 51.2      | 60.0 | 47.3 | 38      | 49.9      | 61.7 | 49.7 | 39      | -1.2            | 1.7  | 2.5  | 3.0          | 3.3          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 3  | 54.1      | 56.0 | 44.1 | 38      | 51.2      | 59.7 | 48.4 | 39      | -2.9            | 3.7  | 4.3  | 5.7          | 6.4          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 4  | 57.1      | 52.0 | 41.0 | 38      | 53.2      | 56.4 | 44.4 | 38      | -3.7            | 4.4  | 3.5  | 5.6          | 6.8          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 5  | 60.0      | 48.0 | 37.8 | 38      | 54.8      | 54.1 | 42.5 | 38      | -5.1            | 6.1  | 4.7  | 7.7          | 9.3          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 6  | 62.9      | 44.0 | 34.7 | 38      | 57.5      | 49.8 | 40.2 | 39      | -5.4            | 5.8  | 5.5  | 8.0          | 9.7          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 7  | 65.9      | 40.0 | 31.5 | 38      | 59.9      | 45.7 | 38.8 | 40      | -5.9            | 5.7  | 7.3  | 9.3          | 11.0         |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 8  | 68.8      | 36.0 | 28.4 | 38      | 63.9      | 39.2 | 37.2 | 44      | -4.8            | 3.2  | 8.9  | 9.4          | 10.6         |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 9  | 71.7      | 32.0 | 25.2 | 38      | 67.3      | 32.7 | 34.9 | 47      | -4.3            | 0.7  | 9.7  | 9.7          | 10.7         |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 10 | 74.7      | 28.0 | 22.1 | 38      | 71.1      | 25.4 | 33.5 | 53      | -3.4            | -2.5 | 11.4 | 11.7         | 12.3         |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 11 | 77.6      | 24.0 | 18.9 | 38      | 73.2      | 19.8 | 31.9 | 58      | -4.3            | -4.1 | 13.0 | 13.7         | 14.4         |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 12 | 80.5      | 20.0 | 15.8 | 38      | 76.4      | 13.8 | 29.1 | 65      | -4.0            | -6.1 | 13.4 | 14.7         | 15.3         |                                                                                                                                                                                                                                                                                                                                                                                          |
| W | 13 | 83.5      | 16.0 | 12.6 | 38      | 79.2      | 10.5 | 22.5 | 65      | -4.2            | -5.4 | 9.9  | 11.3         | 12.1         | Mean CIELAB difference (5 steps)<br>$\Delta H^*_{CIELAB} = 5.8$<br>$\Delta E^*_{CIELAB} = 6.4$<br><br>Mean colour reproduction index:<br>$R^*_{ab,m} = 63$                                                                                                                                                                                                                               |
|   | 14 | 86.4      | 12.0 | 9.5  | 38      | 82.1      | 7.5  | 16.8 | 66      | -4.2            | -4.4 | 7.3  | 8.6          | 9.6          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 15 | 89.4      | 8.0  | 6.3  | 38      | 85.4      | 4.2  | 12.6 | 72      | -3.9            | -3.7 | 6.3  | 7.4          | 8.4          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 16 | 92.3      | 4.0  | 3.2  | 38      | 88.4      | 3.7  | 5.7  | 57      | -3.8            | -0.2 | 2.5  | 2.6          | 4.7          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 17 | 95.2      | 0.0  | 0.0  | 0       | 95.2      | 0.0  | 0.0  | 0       | 0.0             | 0.0  | 0.0  | 0.0          | 0.0          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 18 | 48.3      | 64.0 | 50.4 | 38      | 48.3      | 64.0 | 50.4 | 38      | 0.0             | 0.0  | 0.0  | 0.0          | 0.0          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 19 | 60.0      | 48.0 | 37.8 | 38      | 54.8      | 54.1 | 42.5 | 38      | -5.1            | 6.1  | 4.7  | 7.7          | 9.3          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 20 | 71.7      | 32.0 | 25.2 | 38      | 67.3      | 32.7 | 34.9 | 47      | -4.3            | 0.7  | 9.7  | 9.7          | 10.7         |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 21 | 83.5      | 16.0 | 12.6 | 38      | 79.2      | 10.5 | 22.5 | 65      | -4.2            | -5.4 | 9.9  | 11.3         | 12.1         |                                                                                                                                                                                                                                                                                                                                                                                          |
|   | 22 | 95.2      | 0.0  | 0.0  | 0       | 95.2      | 0.0  | 0.0  | 0       | 0.0             | 0.0  | 0.0  | 0.0          | 0.0          |                                                                                                                                                                                                                                                                                                                                                                                          |
|   |    |           |      |      |         |           |      |      |         |                 |      |      |              |              |                                                                                                                                                                                                                                                                                                                                                                                          |
|   |    |           |      |      |         |           |      |      |         |                 |      |      |              |              |                                                                                                                                                                                                                                                                                                                                                                                          |