



Certified 03/09/07



Off-Press Proof Application Data Sheet

# ORIS Digital Proofing System™ using ORIS PearIPROOF™ Super for Epson x800 Series printers

## GRACoL®<sup>1</sup> Grade 1 Off-Press Proof Application Data Sheet

The IDEAlliance Print Properties Working Group has established a certification process for off-press proofs as input material to publications. In accordance with this process: "The appearance of a hard copy or monitor proof used in this application must have the ability to closely match specific CGATS or other documented characterization data sets within outlined tolerances. See further explanations and recommendations outlined on [www.swop.org](http://www.swop.org) or [www.gracol.org](http://www.gracol.org).

The following information is intended to assist producers and consumers in the use of vendor specified proofing materials in an off-press proof application:

### I. Manufacturer

CGS Publishing Technologies International, LLC.  
100 North Sixth Street, Suite 308B  
Minneapolis, MN 55403  
Telephone +1 (612) 870-0061  
Fax +1 (612) 870-0063

### II. Product

ORIS Digital Proofing System™ for Epson 4800, 7800, 9800 printers consists of the ORIS Color Tuner™, Epson 8-color Epson® K3™ ink sets and ORIS PearIPROOF™ Super (PSMWS) paper.

### III. Introduction

The Epson printer models listed above in section (II) are non-half-tone, digital ink-jet proofing systems. They utilize Epson's Micro Piezo™ technology and K3 ink set, allowing them to achieve photo reproduction quality continuous tone proofs.

This document contains CGS ORIS operating procedures for conformance to SWOP® Application Data Sheet for this system.

### IV. Control Guide

IDEAlliance specifies a control guide such as an ADS Proofing Certification Strip be supplied on every off-press proof. As a minimum, this guide should contain solids for the primary process colors (YMCK), two-color overprints (RGB) and a three-color overprint (YMC), as well as a 25%, 50%, and 75% tint in stated line screen resolution of each of the primary process colors and 3-color gray patches. All control guides should be checked for accuracy of the original values. Use and interpretation of a control guide is the responsibility of the creator.



## V. System Components

The following components and limited procedures shall be used with ORIS Digital Proofing System™ in order to achieve conformance with this Application Data Sheet.

Software: ORIS Color Tuner Pro software, ORIS Certified Proof for verification of SWOP ADS Control Bar

Measurement Devices: X-Rite DTP 70 UV for Calibration, X-Rite Eye-one Pro (non-UV) for SWOP ADS Control Bar

Setup Guide: Color Tuner Calibrate+ApplyMatch.pdf (SWOP) *Contact CGS for guide.*

## VI. Finishing Procedures

Proofs should not be measured for 15 minutes to allow for ink dryback. No special Finishing requirements are needed for ORIS Digital Proofing System.

## VII. Finished Proof Characteristics

A proof with the color characteristics referenced in Appendix 1 is to be expected when measured from the ADS Proofing Certification Strip having been properly made to all the listed system components and finishing procedures.

Note: Three-color grays are comprised of Cyan, Magenta, Yellow: 75, 66, 66; 50, 40, 40; and 25, 19, 19 values.

X-Rite Eye-one Pro rev B. (Non-UV) was used to measure the SWOP ADS Control bar using ORIS Certified Proof™.

(ORIS Certified Proof setup files and procedures are available upon request)

## VIII. Sample Proofs

CGS Publishing Technologies International, LLC. has supplied three (3) sets of hard copy proofs for retention or has had their monitor system verified that it conforms to this Application Data Sheet by an IDEAlliance certifying contractor.

## Appendix 1

### Characterization Data CIELab Values

ADS Proofing Certification Strip GRACoL 2006 Coated #1

| Patch ID      | CIELab Data |        |        | Maximum<br>Delta E(ab) |
|---------------|-------------|--------|--------|------------------------|
|               | L*          | a*     | b*     |                        |
| Paper         | 95          | -0.02  | -1.96  | 3                      |
| Yellow Solid  | 88.94       | -5.02  | 93.17  | 5                      |
| Yellow 75%    | 90.28       | -4.69  | 69.03  | -                      |
| Yellow 50%    | 91.66       | -3.87  | 43.57  | -                      |
| Yellow 25%    | 93.15       | -2.14  | 20.33  | -                      |
| Magenta Solid | 47.93       | 74.11  | -3.01  | 5                      |
| Magenta 75%   | 57.88       | 56.32  | -5.35  | -                      |
| Magenta 50%   | 70.24       | 35.3   | -6.06  | -                      |
| Magenta 25%   | 82.55       | 16.79  | -4.98  | -                      |
| Cyan Solid    | 54.96       | -37.12 | -50    | 5                      |
| Cyan 75%      | 64.5        | -27.32 | -39.44 | -                      |
| Cyan 50%      | 74.69       | -17.15 | -27.45 | -                      |
| Cyan 25%      | 84.68       | -8.25  | -15.29 | -                      |
| Black Solid   | 14.95       | 0.19   | -0.14  | 5                      |
| Black 75%     | 39.75       | -0.57  | -1.02  | -                      |
| Black 50%     | 59.77       | -0.53  | -1.61  | -                      |
| Black 25%     | 77.43       | -0.4   | -1.93  | -                      |
| Red Solid     | 47.37       | 68.25  | 48.79  | 6                      |
| Green Solid   | 50.12       | -68.43 | 25     | 6                      |
| Blue Solid    | 24.13       | 17.2   | -46.14 | 6                      |
| 3 Color 100%  | 23          | 0.17   | -0.25  | 6                      |
| 3 Color 75%   | 39.4        | -0.54  | -0.45  | -                      |
| 3 Color 50%   | 57.54       | -0.12  | -1.44  | 3                      |
| 3 Color 25%   | 75.41       | 0.3    | -1.36  | -                      |

**Note:** 3-color 25% and 75% CIELab values are calculations from the IT8/7.4 characterization data as these patches are not a subset of that data.

FOGRA Wedge Characterization Data CIELab Values for GRACoL 2006 Coated #1

| Patch ID    | CIELab Data |        |        |
|-------------|-------------|--------|--------|
|             | L*          | a*     | b*     |
| Top 1-1     | 54.96       | -37.12 | -50    |
| Top 1-2     | 66.6        | -25.13 | -37.01 |
| Top 1-3     | 78.64       | -13.52 | -22.72 |
| Top 1-4     | 47.93       | 74.11  | -3.01  |
| Top 1-5     | 60.35       | 51.93  | -5.67  |
| Top 1-6     | 75.1        | 27.61  | -5.85  |
| Top 1-7     | 88.94       | -5.02  | 93.17  |
| Top 1-8     | 90.56       | -4.57  | 63.58  |
| Top 1-9     | 92.21       | -3.24  | 33.89  |
| Top 1-10    | 53.4        | 36.61  | 28.63  |
| Top 1-11    | 40.54       | 20.86  | 14.82  |
| Top 1-12    | 31.57       | 36.9   | 22.52  |
| Top 1-13    | 32.32       | 40.62  | -2.26  |
| Top 1-14    | 49.01       | 0.15   | 40.24  |
| Top 1-15    | 33.5        | -36.22 | 11.08  |
| Top 1-16    | 35.04       | -25.01 | -20.6  |
| Top 1-17    | 20.89       | 6.27   | -23.5  |
| Top 1-18    | 87.93       | -0.2   | -1.98  |
| Top 1-19    | 80.88       | -0.38  | -1.99  |
| Top 1-20    | 67.04       | -0.47  | -1.76  |
| Top 1-21    | 52.32       | -0.59  | -1.47  |
| Top 1-22    | 35.39       | -0.56  | -0.87  |
| Top 1-23    | 14.95       | 0.19   | -0.14  |
| Bottom 2-1  | 24.13       | 17.2   | -46.14 |
| Bottom 2-2  | 40.84       | 17.09  | -35.77 |
| Bottom 2-3  | 61.97       | 10.77  | -23.84 |
| Bottom 2-4  | 47.37       | 68.25  | 48.79  |
| Bottom 2-5  | 59.09       | 47.55  | 39.25  |
| Bottom 2-6  | 73.54       | 24.66  | 23.99  |
| Bottom 2-7  | 50.12       | -68.43 | 25     |
| Bottom 2-8  | 62.69       | -41.44 | 20.96  |
| Bottom 2-9  | 76.12       | -20.37 | 11.54  |
| Bottom 2-10 | 70.23       | 19.71  | 18.63  |
| Bottom 2-11 | 70.88       | 22.91  | 72.4   |
| Bottom 2-12 | 48.28       | 70.95  | 17.76  |
| Bottom 2-13 | 37.89       | 52.56  | -22.07 |
| Bottom 2-14 | 72.7        | -25.21 | 65.09  |
| Bottom 2-15 | 52.53       | -53.19 | -19.34 |
| Bottom 2-16 | 42.57       | -16.27 | -48.19 |
| Bottom 2-17 | 95          | -0.02  | -1.96  |
| Bottom 2-18 | 87.56       | -0.34  | -3     |
| Bottom 2-19 | 80.65       | -1.08  | -3.55  |
| Bottom 2-20 | 66.41       | -2.16  | -3.96  |
| Bottom 2-21 | 52.3        | -2.93  | -3.25  |
| Bottom 2-22 | 38.23       | -4.77  | -3.5   |
| Bottom 2-23 | 26.57       | -7.05  | -4.13  |

## ISO12647-7 Digital Control Strip 2007

The IDEAlliance Print Properties Working Group has developed a new digital control strip for off-press proofs. As of November 2007, this control strip replaces the current FOGRA Wedge and proofing bar on the proofing certification test forms. This ADS Attachment provides the CIE Lab data for all fifty-four (54) patches contained in the new strip. These data sheets will replace Appendix 1 in the Application Data Sheets for all previous certified proofing systems to the specific data set for GRACoL C1, SWOP C3, or SWOP C5.



### Control Strip Patch Values

| Patch ID<br>Top | Patch Tint % Values |        |        |        |
|-----------------|---------------------|--------|--------|--------|
|                 | CMYK_C              | CMYK_M | CMYK_Y | CMYK_K |
| A1              | 100                 | 0      | 0      | 60     |
| A2              | 100                 | 0      | 0      | 0      |
| A3              | 70                  | 0      | 0      | 0      |
| A4              | 30                  | 0      | 0      | 0      |
| A5              | 0                   | 100    | 0      | 60     |
| A6              | 0                   | 100    | 0      | 0      |
| A7              | 0                   | 70     | 0      | 0      |
| A8              | 0                   | 30     | 0      | 0      |
| A9              | 0                   | 0      | 100    | 60     |
| A10             | 0                   | 0      | 100    | 0      |
| A11             | 0                   | 0      | 70     | 0      |
| A12             | 0                   | 0      | 30     | 0      |
| A13             | 100                 | 0      | 40     | 0      |
| A14             | 40                  | 100    | 0      | 0      |
| A15             | 0                   | 40     | 100    | 0      |
| A16             | 0                   | 40     | 70     | 40     |
| A17             | 0                   | 70     | 40     | 40     |
| A18             | 40                  | 70     | 0      | 40     |
| A19             | 40                  | 0      | 70     | 40     |
| A20             | 70                  | 40     | 0      | 40     |
| A21             | 0                   | 0      | 0      | 3      |
| A22             | 0                   | 0      | 0      | 10     |
| A23             | 0                   | 0      | 0      | 25     |
| A24             | 0                   | 0      | 0      | 50     |
| A25             | 0                   | 0      | 0      | 75     |
| A26             | 0                   | 0      | 0      | 90     |
| A27             | 0                   | 0      | 0      | 100    |

| Patch ID<br>Bottom | Patch Tint % Values |        |        |        |
|--------------------|---------------------|--------|--------|--------|
|                    | CMYK_C              | CMYK_M | CMYK_Y | CMYK_K |
| B1                 | 100                 | 100    | 0      | 60     |
| B2                 | 100                 | 100    | 0      | 0      |
| B3                 | 70                  | 70     | 0      | 0      |
| B4                 | 30                  | 30     | 0      | 0      |
| B5                 | 0                   | 100    | 100    | 60     |
| B6                 | 0                   | 100    | 100    | 0      |
| B7                 | 0                   | 70     | 70     | 0      |
| B8                 | 0                   | 30     | 30     | 0      |
| B9                 | 100                 | 0      | 100    | 60     |
| B10                | 100                 | 0      | 100    | 0      |
| B11                | 70                  | 0      | 70     | 0      |
| B12                | 30                  | 0      | 30     | 0      |
| B13                | 100                 | 40     | 0      | 0      |
| B14                | 0                   | 100    | 40     | 0      |
| B15                | 40                  | 0      | 100    | 0      |
| B16                | 10                  | 40     | 40     | 0      |
| B17                | 20                  | 70     | 70     | 0      |
| B18                | 0                   | 70     | 70     | 40     |
| B19                | 70                  | 0      | 40     | 40     |
| B20                | 0                   | 0      | 0      | 0      |
| B21                | 3.1                 | 2.2    | 2.2    | 0      |
| B22                | 10.2                | 7.4    | 7.4    | 0      |
| B23                | 25                  | 19     | 19     | 0      |
| B24                | 50                  | 40     | 40     | 0      |
| B25                | 75                  | 66     | 66     | 0      |
| B26                | 100                 | 100    | 100    | 0      |
| B27                | 80                  | 70     | 70     | 100    |

**Appendix 1**  
**Characterization Data CIELab Values**

**ISO12647-7 Digital Control Strip 2007 for GRACoL 2006 Coated #1 Data Set**

| Patch ID<br>Top | CIELab Data |        |        | Maximum         |
|-----------------|-------------|--------|--------|-----------------|
|                 | L*          | a*     | b*     | $\Delta E$ (ab) |
| A1              | 30.05       | -22.65 | -28.82 | -               |
| A2              | 54.96       | -37.12 | -50.00 | 5               |
| A3              | 66.60       | -25.13 | -37.01 | -               |
| A4              | 82.64       | -9.99  | -17.85 | -               |
| A5              | 26.45       | 41.59  | -1.73  | -               |
| A6              | 47.93       | 74.11  | -3.01  | 5               |
| A7              | 60.35       | 51.93  | -5.67  | -               |
| A8              | 80.03       | 20.38  | -5.35  | -               |
| A9              | 48.53       | -5.30  | 49.19  | -               |
| A10             | 88.94       | -5.02  | 93.17  | 5               |
| A11             | 90.56       | -4.57  | 63.58  | -               |
| A12             | 92.84       | -2.51  | 24.77  | -               |
| A13             | 52.53       | -53.19 | -19.34 | -               |
| A14             | 37.89       | 52.56  | -22.07 | -               |
| A15             | 70.88       | 22.91  | 72.40  | -               |
| A16             | 50.86       | 15.13  | 33.06  | -               |
| A17             | 42.17       | 33.42  | 13.25  | -               |
| A18             | 34.60       | 23.09  | -17.15 | -               |
| A19             | 52.45       | -18.04 | 26.12  | -               |
| A20             | 36.56       | -1.43  | -26.62 | -               |
| A21             | 92.88       | -0.08  | -1.96  | -               |
| A22             | 87.93       | -0.20  | -1.98  | -               |
| A23             | 77.43       | -0.40  | -1.93  | -               |
| A24             | 59.77       | -0.53  | -1.61  | -               |
| A25             | 39.75       | -0.57  | -1.02  | -               |
| A26             | 25.57       | -0.21  | -0.53  | -               |

| Patch ID<br>Bottom | CIELab Data |        |        | Maximum         |
|--------------------|-------------|--------|--------|-----------------|
|                    | L*          | a*     | b*     | $\Delta E$ (ab) |
| B1                 | 15.18       | 8.84   | -24.61 | -               |
| B2                 | 24.13       | 17.20  | -46.14 | 6               |
| B3                 | 40.84       | 17.09  | -35.77 | -               |
| B4                 | 69.57       | 8.37   | -19.26 | -               |
| B5                 | 26.22       | 35.38  | 24.54  | -               |
| B6                 | 47.37       | 68.25  | 48.79  | 6               |
| B7                 | 59.09       | 47.55  | 39.25  | -               |
| B8                 | 78.62       | 17.92  | 18.20  | -               |
| B9                 | 28.47       | -39.38 | 12.04  | -               |
| B10                | 50.12       | -68.43 | 25.00  | 6               |
| B11                | 62.69       | -41.44 | 20.96  | -               |
| B12                | 80.64       | -14.75 | 8.25   | -               |
| B13                | 42.57       | -16.27 | -48.19 | -               |
| B14                | 48.28       | 70.95  | 17.76  | -               |
| B15                | 72.70       | -25.21 | 65.09  | -               |
| B16                | 70.23       | 19.71  | 18.63  | -               |
| B17                | 53.40       | 36.61  | 28.63  | -               |
| B18                | 41.61       | 32.01  | 26.83  | -               |
| B19                | 45.40       | -26.20 | -3.82  | -               |
| B20                | 95.00       | -0.02  | -1.96  | 3               |
| B21                | 92.43       | 0.19   | -2.06  | -               |
| B22                | 86.74       | 0.31   | -2.04  | -               |
| B23                | 75.52       | 0.07   | -1.50  | -               |
| B24                | 57.54       | -0.12  | -1.44  | 3               |
| B25                | 39.39       | -0.30  | -0.55  | -               |
| B26                | 23.00       | 0.17   | -0.25  | -               |

**Note:** Color measurements comparing measured proof data to this reference data requires the use of a calibrated spectrophotometer.

**Appendix 2**  
**Characterization Data CIELab Values**

**ISO12647-7 Digital Control Strip 2007 for SWOP 2006 Coated #3 Data Set**

| Patch ID<br>Top | CIELab Data |        |        | Maximum         |
|-----------------|-------------|--------|--------|-----------------|
|                 | L*          | a*     | b*     | $\Delta E$ (ab) |
| A1              | 31.96       | -21.01 | -26.32 | -               |
| A2              | 56.99       | -37.23 | -44.95 | 5               |
| A3              | 66.07       | -27.13 | -33.53 | -               |
| A4              | 80.52       | -11.80 | -15.33 | -               |
| A5              | 25.80       | 40.75  | -2.90  | -               |
| A6              | 47.84       | 72.08  | -3.11  | 5               |
| A7              | 58.95       | 51.61  | -4.46  | -               |
| A8              | 78.03       | 20.64  | -3.18  | -               |
| A9              | 47.67       | -4.29  | 45.76  | -               |
| A10             | 87.97       | -5.03  | 88.10  | 5               |
| A11             | 89.28       | -5.09  | 62.78  | -               |
| A12             | 91.24       | -2.93  | 25.28  | -               |
| A13             | 54.86       | -51.51 | -16.56 | -               |
| A14             | 38.04       | 51.19  | -21.63 | -               |
| A15             | 69.74       | 23.44  | 67.23  | -               |
| A16             | 49.55       | 15.84  | 31.56  | -               |
| A17             | 40.89       | 33.29  | 12.00  | -               |
| A18             | 34.01       | 22.69  | -16.52 | -               |
| A19             | 52.24       | -17.96 | 25.88  | -               |
| A20             | 36.91       | -2.13  | -25.08 | -               |
| A21             | 90.46       | -0.06  | -0.21  | -               |
| A22             | 85.69       | -0.18  | -0.70  | -               |
| A23             | 75.49       | -0.39  | -1.61  | -               |
| A24             | 58.21       | -0.51  | -2.27  | -               |
| A25             | 39.28       | -0.34  | -1.80  | -               |
| A26             | 26.88       | -0.14  | -0.89  | -               |

| Patch ID<br>Bottom | CIELab Data |        |        | Maximum         |
|--------------------|-------------|--------|--------|-----------------|
|                    | L*          | a*     | b*     | $\Delta E$ (ab) |
| B1                 | 15.57       | 11.13  | -25.12 | -               |
| B2                 | 26.85       | 18.10  | -44.32 | 6               |
| B3                 | 40.85       | 16.19  | -34.08 | -               |
| B4                 | 67.49       | 7.60   | -17.17 | -               |
| B5                 | 25.19       | 35.01  | 22.46  | -               |
| B6                 | 46.86       | 66.21  | 45.03  | 6               |
| B7                 | 57.68       | 47.17  | 37.42  | -               |
| B8                 | 77.94       | 18.06  | 18.43  | -               |
| B9                 | 29.42       | -36.88 | 12.46  | -               |
| B10                | 52.12       | -64.75 | 24.83  | 6               |
| B11                | 63.15       | -41.26 | 21.06  | -               |
| B12                | 79.23       | -15.72 | 8.94   | -               |
| B13                | 44.63       | -16.62 | -44.13 | -               |
| B14                | 47.87       | 69.02  | 16.49  | -               |
| B15                | 72.78       | -24.61 | 60.84  | -               |
| B16                | 68.56       | 20.02  | 18.67  | -               |
| B17                | 52.11       | 36.50  | 27.30  | -               |
| B18                | 40.29       | 32.11  | 25.13  | -               |
| B19                | 45.95       | -26.09 | -3.01  | -               |
| B20                | 92.50       | 0.00   | 0.00   | 3               |
| B21                | 90.08       | -0.02  | -0.08  | -               |
| B22                | 84.59       | -0.04  | -0.22  | -               |
| B23                | 73.54       | -0.15  | -0.48  | -               |
| B24                | 56.29       | -0.48  | -0.41  | 3               |
| B25                | 39.80       | -0.33  | 0.14   | -               |
| B26                | 24.79       | 0.22   | -0.52  | -               |

**Note:** Color measurements comparing measured proof data to this reference data requires the use of a calibrated spectrophotometer.

**Appendix 3**  
**Characterization Data CIELab Values**

**ISO12647-7 Digital Control Strip 2007 for SWOP 2006 Coated #5 Data Set**

| Patch ID<br>Top | CIELab Data |        |        | Maximum         |
|-----------------|-------------|--------|--------|-----------------|
|                 | L*          | a*     | b*     | $\Delta E$ (ab) |
| A1              | 32.65       | -22.26 | -23.31 | -               |
| A2              | 56.56       | -37.98 | -40.93 | 5               |
| A3              | 64.70       | -26.67 | -29.70 | -               |
| A4              | 78.29       | -11.19 | -11.42 | -               |
| A5              | 26.42       | 40.29  | -3.23  | -               |
| A6              | 47.64       | 69.97  | -3.54  | 5               |
| A7              | 58.14       | 49.08  | -2.95  | -               |
| A8              | 75.88       | 19.59  | 0.11   | -               |
| A9              | 47.09       | -4.83  | 44.51  | -               |
| A10             | 85.43       | -5.82  | 84.62  | 5               |
| A11             | 86.28       | -5.18  | 60.33  | -               |
| A12             | 88.09       | -2.76  | 26.91  | -               |
| A13             | 54.38       | -50.05 | -13.62 | -               |
| A14             | 37.79       | 50.15  | -21.11 | -               |
| A15             | 68.36       | 21.69  | 65.39  | -               |
| A16             | 48.86       | 15.14  | 31.31  | -               |
| A17             | 40.69       | 32.61  | 12.52  | -               |
| A18             | 33.04       | 22.15  | -14.98 | -               |
| A19             | 51.08       | -17.54 | 25.50  | -               |
| A20             | 36.75       | -2.64  | -22.16 | -               |
| A21             | 87.97       | -0.06  | 3.85   | -               |
| A22             | 83.35       | -0.16  | 3.31   | -               |
| A23             | 73.53       | -0.34  | 2.37   | -               |
| A24             | 56.84       | -0.35  | 1.34   | -               |
| A25             | 38.89       | 0.04   | 0.98   | -               |
| A26             | 27.07       | 0.55   | 1.06   | -               |

| Patch ID<br>Bottom | CIELab Data |        |        | Maximum         |
|--------------------|-------------|--------|--------|-----------------|
|                    | L*          | a*     | b*     | $\Delta E$ (ab) |
| B1                 | 15.76       | 11.76  | -23.91 | -               |
| B2                 | 26.54       | 18.56  | -42.01 | 6               |
| B3                 | 40.30       | 15.39  | -31.31 | -               |
| B4                 | 65.80       | 7.14   | -13.75 | -               |
| B5                 | 26.49       | 34.78  | 21.45  | -               |
| B6                 | 47.43       | 64.38  | 42.74  | 6               |
| B7                 | 57.01       | 44.95  | 36.24  | -               |
| B8                 | 74.61       | 17.32  | 19.99  | -               |
| B9                 | 30.65       | -35.02 | 14.67  | -               |
| B10                | 52.26       | -61.49 | 26.76  | 6               |
| B11                | 61.52       | -39.10 | 20.93  | -               |
| B12                | 76.68       | -14.80 | 10.89  | -               |
| B13                | 44.23       | -17.41 | -40.21 | -               |
| B14                | 47.52       | 67.23  | 15.19  | -               |
| B15                | 70.77       | -24.24 | 58.75  | -               |
| B16                | 66.70       | 19.12  | 19.70  | -               |
| B17                | 51.52       | 34.92  | 26.64  | -               |
| B18                | 40.31       | 31.25  | 24.75  | -               |
| B19                | 45.31       | -25.37 | -1.12  | -               |
| B20                | 90.06       | -0.01  | 4.14   | 3               |
| B21                | 87.67       | 0.00   | 3.75   | -               |
| B22                | 82.19       | -0.02  | 3.09   | -               |
| B23                | 71.47       | -0.07  | 2.12   | -               |
| B24                | 54.70       | -0.44  | 1.24   | 3               |
| B25                | 39.10       | -0.23  | 1.19   | -               |
| B26                | 24.73       | 0.21   | -0.12  | -               |

**Note:** Color measurements comparing measured proof data to this reference data requires the use of a calibrated spectrophotometer.