

# Colorimetric Report

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|                  |                                       |
|------------------|---------------------------------------|
| Date             | Tuesday, November 6, 2018             |
| Tester           | Damian Köb                            |
| Display          | LG 34GK950G-B                         |
| Sensor           | X-Rite i1 Pro                         |
| Testchart        | In accordance with ISO 12646:2007 (1) |
| Target           | sRGB                                  |
| Display Profile  | Not considered                        |
| Rendering Intent | -                                     |

(1) Five equally spaced code values for each channel

|                                     |                    |
|-------------------------------------|--------------------|
| White Point (CCT)                   | 5803 Kelvin        |
| White Point XYZ (normalized)        | 96.58 100.00 99.84 |
| DeltaE to D50/ D65                  | 13.12/ 6.29        |
| Assumed Target Whitepoint (2)       | 5800 Kelvin        |
| DeltaE to Assumed Target Whitepoint | 2.68               |
| Brightness (3)                      | 304.60 cd/m²       |
| Black Point (3)                     | 0.30 cd/m²         |
| Contrast (x:1)                      | 1015:1             |
| Gradation (Average)                 | 2.22               |

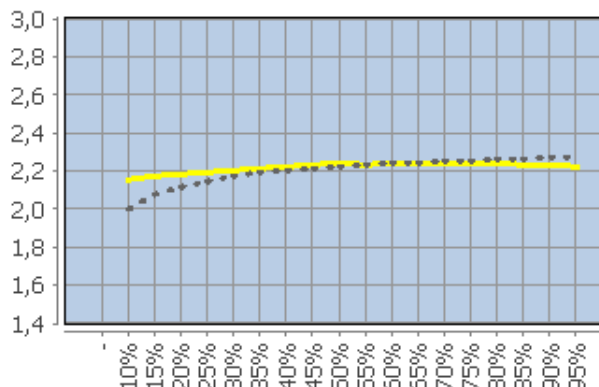
(2) Daylight (3) Measured separately

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 5765   | 0.26    | 2.62    | 2.15  |
|  | 15          | 5726   | 0.28    | 1.96    | 2.17  |
|  | 20          | 5777   | 0.16    | 1.18    | 2.18  |
|  | 25          | 5773   | 0.13    | 0.84    | 2.19  |
|  | 30          | 5745   | 0.30    | 0.62    | 2.20  |
|  | 35          | 5820   | 0.14    | 0.43    | 2.21  |
|  | 40          | 5798   | 0.05    | 0.30    | 2.22  |
|  | 45          | 5770   | 0.21    | 0.31    | 2.23  |
|  | 50          | 5779   | 0.18    | 0.26    | 2.24  |
|  | 55          | 5792   | 0.19    | 0.21    | 2.23  |
|  | 60          | 5774   | 0.22    | 0.23    | 2.24  |
|  | 65          | 5799   | 0.05    | 0.06    | 2.24  |
|  | 70          | 5792   | 0.11    | 0.19    | 2.24  |
|  | 75          | 5803   | 0.14    | 0.21    | 2.24  |
|  | 80          | 5778   | 0.23    | 0.26    | 2.24  |
|  | 85          | 5784   | 0.19    | 0.25    | 2.23  |
|  | 90          | 5797   | 0.11    | 0.19    | 2.23  |
|  | 95          | 5799   | 0.04    | 0.11    | 2.22  |
|  | 100 (4)     | 5803   | -       | -       | -     |
|  | Average (5) | -      | 0.16    | 0.45    | 2.22  |
|  | Maximum (5) | -      | 0.3     | 1.96    | -     |
|  | Range (5)   | -      | 0.4     | -       | -     |

(4) Visual adaptation to display whitepoint is assumed

(5) Only luminance > 1% considered

### Corresponding Gamma



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| Tester           | Damian Köb                            |
| Display          | LG 34GK950G-B                         |
| Sensor           | X-Rite i1 Pro                         |
| Testchart        | In accordance with ISO 12646:2007 (1) |
| Target           | sRGB                                  |
| Display Profile  | Not considered                        |
| Rendering Intent | -                                     |

(1) Five equally spaced code values for each channel

|  | RGB        | Delta C | Delta H | Delta L | Delta E94 |
|--|------------|---------|---------|---------|-----------|
|  | 0 0 0      | 0.59    | 0.00    | 1.23    | 1.37      |
|  | 0 0 63     | 2.65    | 1.16    | 0.82    | 1.40      |
|  | 0 0 127    | 1.79    | 2.28    | 0.91    | 1.44      |
|  | 0 0 191    | 0.90    | 2.75    | 1.17    | 1.58      |
|  | 0 0 255    | 1.04    | 3.26    | 1.35    | 1.74      |
|  | 0 63 0     | 5.72    | 6.05    | 1.13    | 4.30      |
|  | 0 63 63    | 6.19    | 0.96    | 1.06    | 3.63      |
|  | 0 63 127   | 1.84    | 3.08    | 0.60    | 2.08      |
|  | 0 63 191   | 1.95    | 2.69    | 0.04    | 1.30      |
|  | 0 63 255   | 1.32    | 3.06    | 0.36    | 1.21      |
|  | 0 127 0    | 15.46   | 7.58    | 0.80    | 5.24      |
|  | 0 127 63   | 14.88   | 5.48    | 0.79    | 5.44      |
|  | 0 127 127  | 11.80   | 1.73    | 0.64    | 5.21      |
|  | 0 127 191  | 4.55    | 7.36    | 0.35    | 4.80      |
|  | 0 127 255  | 1.57    | 6.82    | 0.09    | 3.26      |
|  | 0 191 0    | 22.76   | 9.84    | 0.69    | 5.91      |
|  | 0 191 63   | 21.84   | 9.07    | 0.69    | 6.14      |
|  | 0 191 127  | 19.42   | 5.80    | 0.59    | 6.14      |
|  | 0 191 191  | 16.41   | 2.43    | 0.43    | 6.04      |
|  | 0 191 255  | 8.77    | 10.60   | 0.27    | 6.90      |
|  | 0 255 0    | 28.73   | 12.07   | 0.92    | 6.30      |
|  | 0 255 63   | 27.59   | 11.89   | 0.91    | 6.49      |
|  | 0 255 127  | 24.99   | 10.60   | 0.85    | 6.74      |
|  | 0 255 191  | 23.22   | 5.75    | 0.75    | 6.51      |
|  | 0 255 255  | 20.59   | 3.31    | 0.63    | 6.63      |
|  | 63 0 0     | 4.01    | 2.01    | 0.58    | 2.18      |
|  | 63 0 63    | 1.53    | 2.74    | 0.61    | 1.86      |
|  | 63 0 127   | 0.70    | 0.56    | 0.76    | 0.82      |
|  | 63 0 191   | 0.48    | 1.03    | 1.11    | 1.18      |
|  | 63 0 255   | 0.05    | 2.04    | 1.21    | 1.39      |
|  | 63 63 0    | 0.25    | 0.55    | 0.87    | 0.94      |
|  | 63 63 63   | 0.27    | 0.02    | 0.82    | 0.87      |
|  | 63 63 127  | 2.07    | 0.43    | 0.43    | 0.89      |
|  | 63 63 191  | 2.59    | 1.17    | 0.03    | 0.79      |
|  | 63 63 255  | 1.83    | 2.01    | 0.39    | 0.90      |
|  | 63 127 0   | 11.31   | 5.51    | 0.67    | 4.07      |
|  | 63 127 63  | 10.25   | 4.53    | 0.63    | 4.39      |
|  | 63 127 127 | 8.62    | 1.32    | 0.49    | 4.53      |
|  | 63 127 191 | 3.01    | 6.06    | 0.19    | 3.96      |
|  | 63 127 255 | 1.27    | 5.72    | 0.03    | 2.74      |
|  | 63 191 0   | 20.09   | 8.75    | 0.59    | 5.39      |
|  | 63 191 63  | 18.87   | 8.25    | 0.58    | 5.63      |
|  | 63 191 127 | 16.72   | 5.73    | 0.49    | 5.80      |
|  | 63 191 191 | 14.61   | 2.22    | 0.34    | 5.82      |
|  | 63 191 255 | 7.34    | 10.08   | 0.18    | 6.57      |
|  | 63 255 0   | 26.65   | 11.34   | 0.88    | 5.99      |
|  | 63 255 63  | 25.50   | 11.21   | 0.88    | 6.17      |

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|------------------|---------------------------------------|
| Date             | Tuesday, November 6, 2018             |
| Tester           | Damian Köb                            |
| Display          | LG 34GK950G-B                         |
| Sensor           | X-Rite i1 Pro                         |
| Testchart        | In accordance with ISO 12646:2007 (1) |
| Target           | sRGB                                  |
| Display Profile  | Not considered                        |
| Rendering Intent | -                                     |

(1) Five equally spaced code values for each channel

|  | RGB         | Delta C | Delta H | Delta L | Delta E94 |
|--|-------------|---------|---------|---------|-----------|
|  | 63 255 127  | 22.95   | 10.29   | 0.82    | 6.51      |
|  | 63 255 191  | 21.40   | 5.83    | 0.70    | 6.34      |
|  | 63 255 255  | 19.23   | 3.11    | 0.58    | 6.48      |
|  | 127 0 0     | 10.36   | 3.49    | 0.95    | 3.45      |
|  | 127 0 63    | 9.74    | 2.82    | 0.95    | 3.50      |
|  | 127 0 127   | 6.17    | 4.43    | 1.07    | 2.85      |
|  | 127 0 191   | 4.32    | 3.23    | 1.25    | 1.98      |
|  | 127 0 255   | 2.69    | 1.75    | 1.40    | 1.58      |
|  | 127 63 0    | 9.21    | 5.52    | 0.13    | 4.21      |
|  | 127 63 63   | 9.05    | 1.53    | 0.09    | 3.96      |
|  | 127 63 127  | 6.73    | 3.31    | 0.16    | 2.99      |
|  | 127 63 191  | 5.28    | 2.90    | 0.49    | 1.86      |
|  | 127 63 255  | 3.81    | 1.66    | 0.73    | 1.16      |
|  | 127 127 0   | 7.01    | 1.47    | 0.29    | 2.12      |
|  | 127 127 63  | 3.85    | 0.93    | 0.26    | 1.61      |
|  | 127 127 127 | 0.13    | 0.02    | 0.09    | 0.16      |
|  | 127 127 191 | 1.81    | 0.55    | 0.10    | 0.77      |
|  | 127 127 255 | 1.89    | 1.20    | 0.30    | 0.79      |
|  | 127 191 0   | 13.35   | 3.97    | 0.36    | 3.34      |
|  | 127 191 63  | 11.30   | 4.28    | 0.34    | 3.47      |
|  | 127 191 127 | 8.56    | 4.23    | 0.27    | 3.93      |
|  | 127 191 191 | 8.06    | 1.20    | 0.14    | 4.22      |
|  | 127 191 255 | 3.10    | 6.63    | 0.01    | 4.38      |
|  | 127 255 0   | 20.79   | 7.86    | 0.76    | 4.66      |
|  | 127 255 63  | 19.21   | 8.10    | 0.74    | 4.82      |
|  | 127 255 127 | 16.23   | 8.28    | 0.68    | 5.27      |
|  | 127 255 191 | 15.21   | 5.48    | 0.57    | 5.42      |
|  | 127 255 255 | 14.31   | 2.34    | 0.46    | 5.59      |
|  | 191 0 0     | 17.92   | 1.78    | 1.32    | 4.05      |
|  | 191 0 63    | 15.61   | 0.75    | 1.30    | 4.01      |
|  | 191 0 127   | 12.47   | 4.51    | 1.40    | 3.89      |
|  | 191 0 191   | 9.45    | 5.85    | 1.53    | 3.41      |
|  | 191 0 255   | 6.80    | 5.46    | 1.61    | 2.75      |
|  | 191 63 0    | 17.93   | 3.64    | 0.61    | 4.49      |
|  | 191 63 63   | 15.11   | 2.22    | 0.65    | 4.36      |
|  | 191 63 127  | 12.96   | 2.68    | 0.76    | 3.97      |
|  | 191 63 191  | 10.12   | 5.20    | 0.93    | 3.41      |
|  | 191 63 255  | 7.53    | 5.25    | 1.07    | 2.64      |
|  | 191 127 0   | 12.41   | 5.55    | 0.26    | 4.18      |
|  | 191 127 63  | 9.36    | 5.07    | 0.30    | 4.20      |
|  | 191 127 127 | 8.12    | 1.48    | 0.39    | 3.85      |
|  | 191 127 191 | 6.56    | 3.20    | 0.53    | 3.04      |
|  | 191 127 255 | 4.96    | 3.41    | 0.68    | 2.11      |
|  | 191 191 0   | 10.87   | 2.22    | 0.00    | 2.62      |
|  | 191 191 63  | 7.80    | 1.72    | 0.02    | 2.20      |
|  | 191 191 127 | 2.61    | 0.75    | 0.08    | 1.15      |
|  | 191 191 191 | 0.21    | 0.07    | 0.19    | 0.29      |

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|------------------|---------------------------------------|
| Date             | Tuesday, November 6, 2018             |
| Tester           | Damian Köb                            |
| Display          | LG 34GK950G-B                         |
| Sensor           | X-Rite i1 Pro                         |
| Testchart        | In accordance with ISO 12646:2007 (1) |
| Target           | sRGB                                  |
| Display Profile  | Not considered                        |
| Rendering Intent | -                                     |

(1) Five equally spaced code values for each channel

|  | RGB             | Delta C | Delta H | Delta L | Delta E94 |
|--|-----------------|---------|---------|---------|-----------|
|  | 191 191 255     | 1.01    | 0.57    | 0.32    | 0.63      |
|  | 191 255 0       | 15.07   | 2.34    | 0.50    | 2.92      |
|  | 191 255 63      | 12.95   | 2.86    | 0.49    | 2.86      |
|  | 191 255 127     | 8.53    | 4.17    | 0.42    | 2.98      |
|  | 191 255 191     | 6.71    | 3.99    | 0.33    | 3.47      |
|  | 191 255 255     | 7.15    | 1.16    | 0.22    | 3.80      |
|  | 255 0 0         | 25.17   | 0.84    | 1.41    | 4.64      |
|  | 255 0 63        | 20.19   | 0.67    | 1.40    | 4.21      |
|  | 255 0 127       | 17.54   | 2.21    | 1.46    | 4.05      |
|  | 255 0 191       | 14.88   | 5.53    | 1.54    | 3.94      |
|  | 255 0 255       | 11.78   | 7.12    | 1.62    | 3.61      |
|  | 255 63 0        | 24.22   | 1.65    | 0.97    | 4.64      |
|  | 255 63 63       | 19.76   | 2.60    | 0.97    | 4.40      |
|  | 255 63 127      | 17.52   | 0.46    | 1.04    | 4.14      |
|  | 255 63 191      | 15.18   | 4.62    | 1.16    | 3.94      |
|  | 255 63 255      | 12.14   | 6.74    | 1.25    | 3.58      |
|  | 255 127 0       | 19.58   | 4.98    | 0.67    | 4.63      |
|  | 255 127 63      | 16.03   | 5.08    | 0.69    | 4.58      |
|  | 255 127 127     | 13.81   | 2.68    | 0.75    | 4.37      |
|  | 255 127 191     | 12.46   | 2.58    | 0.86    | 3.87      |
|  | 255 127 255     | 9.82    | 5.41    | 0.96    | 3.45      |
|  | 255 191 0       | 14.75   | 5.58    | 0.35    | 3.98      |
|  | 255 191 63      | 11.44   | 5.44    | 0.35    | 3.83      |
|  | 255 191 127     | 6.86    | 5.03    | 0.40    | 3.83      |
|  | 255 191 191     | 6.89    | 1.50    | 0.51    | 3.48      |
|  | 255 191 255     | 5.41    | 3.04    | 0.58    | 2.77      |
|  | 255 255 0       | 13.64   | 2.87    | 0.23    | 2.81      |
|  | 255 255 63      | 10.97   | 2.41    | 0.22    | 2.48      |
|  | 255 255 127     | 5.17    | 1.37    | 0.17    | 1.54      |
|  | 255 255 191     | 1.38    | 0.55    | 0.10    | 0.68      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 10.54   | 3.97    | 0.65    | 3.59      |
|  | Maximum (2)     | 28.73   | 12.07   | 1.62    | 6.90      |

(1) Visual adaptation to display whitepoint is assumed; CIELAB reference values are adapted (Bradford transformation) to display whitepoint  
(2) Without Black

|             |                         |
|-------------|-------------------------|
| Color Space | Gamut Volume CIELAB D50 |
| sRGB        | 99%                     |

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| Date             | Tuesday, November 6, 2018             |
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| Display          | LG 34GK950G-B                         |
| Sensor           | X-Rite i1 Pro                         |
| Testchart        | In accordance with ISO 12646:2007 (1) |
| Target           | sRGB                                  |
| Display Profile  | Not considered                        |
| Rendering Intent | -                                     |

(1) Five equally spaced code values for each channel

| Property             | Device adjustments |
|----------------------|--------------------|
| Backlight brightness | 70                 |
| Brightness           | 304.6              |
| Contrast             | 70                 |
| RGB Gain             |                    |
| Gradation            | Modus 2            |
| Other                |                    |