

# 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           | DCI-P3 RGB                            |
| Display Profile  | Not considered                        |
| Rendering Intent | -                                     |

(1) Five equally spaced code values for each channel

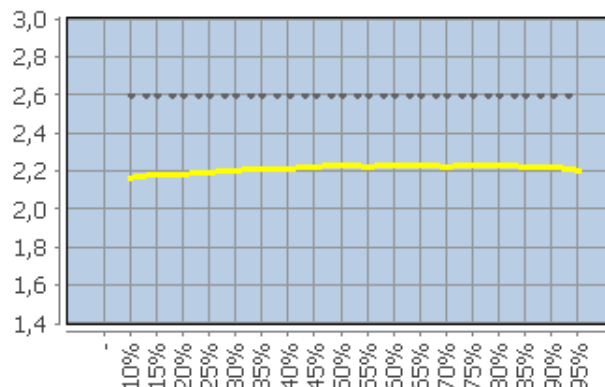
|                                     |                     |
|-------------------------------------|---------------------|
| White Point (CCT)                   | 5825 Kelvin         |
| White Point XYZ (normalized)        | 96.59 100.00 100.26 |
| DeltaE to D50/ D65                  | 13.41/ 6.06         |
| Assumed Target Whitepoint (2)       | 5800 Kelvin         |
| DeltaE to Assumed Target Whitepoint | 2.88                |
| Brightness (3)                      | 304.60 cd/m²        |
| Black Point (3)                     | 0.30 cd/m²          |
| Contrast (x:1)                      | 1015:1              |
| Gradation (Average)                 | 2.21                |

(2) Daylight (3) Measured separately

|  | Percent     | Kelvin | Delta C | Delta E | Gamma |
|--|-------------|--------|---------|---------|-------|
|  | 5           | -      | -       | -       | -     |
|  | 10          | 5992   | 0.28    | 4.18    | 2.16  |
|  | 15          | 5838   | 0.06    | 6.67    | 2.18  |
|  | 20          | 5804   | 0.07    | 7.38    | 2.18  |
|  | 25          | 5805   | 0.08    | 7.38    | 2.19  |
|  | 30          | 5780   | 0.19    | 7.12    | 2.20  |
|  | 35          | 5847   | 0.16    | 6.93    | 2.21  |
|  | 40          | 5823   | 0.04    | 6.58    | 2.21  |
|  | 45          | 5793   | 0.18    | 6.20    | 2.22  |
|  | 50          | 5796   | 0.19    | 5.73    | 2.23  |
|  | 55          | 5818   | 0.23    | 5.49    | 2.22  |
|  | 60          | 5801   | 0.21    | 4.83    | 2.23  |
|  | 65          | 5821   | 0.05    | 4.34    | 2.23  |
|  | 70          | 5810   | 0.13    | 3.89    | 2.22  |
|  | 75          | 5827   | 0.12    | 3.30    | 2.23  |
|  | 80          | 5800   | 0.23    | 2.69    | 2.23  |
|  | 85          | 5806   | 0.19    | 2.08    | 2.22  |
|  | 90          | 5821   | 0.07    | 1.42    | 2.22  |
|  | 95          | 5822   | 0.03    | 0.78    | 2.20  |
|  | 100 (4)     | 5825   | -       | -       | -     |
|  | Average (5) | -      | 0.13    | 4.87    | 2.21  |
|  | Maximum (5) | -      | 0.23    | 7.38    | -     |
|  | Range (5)   | -      | 0.38    | -       | -     |

(4) Visual adaptation to display whitepoint is assumed  
(5) Only luminance > 1% considered

## Corresponding Gamma



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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           | DCI-P3 RGB                            |
| 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      | 0.69    | 0.00    | 0.94    | 1.16      |
|  | 0 0 63     | 10.17   | 2.70    | 2.09    | 5.09      |
|  | 0 0 127    | 2.36    | 2.33    | 2.72    | 2.98      |
|  | 0 0 191    | 0.58    | 2.75    | 1.33    | 1.70      |
|  | 0 0 255    | 5.17    | 3.29    | 0.21    | 1.31      |
|  | 0 63 0     | 8.00    | 1.00    | 6.55    | 7.15      |
|  | 0 63 63    | 4.96    | 0.25    | 6.72    | 7.21      |
|  | 0 63 127   | 3.67    | 8.15    | 5.96    | 7.71      |
|  | 0 63 191   | 8.28    | 8.28    | 4.24    | 5.76      |
|  | 0 63 255   | 12.17   | 7.96    | 2.16    | 3.94      |
|  | 0 127 0    | 1.15    | 6.86    | 5.13    | 5.94      |
|  | 0 127 63   | 0.87    | 6.28    | 5.25    | 6.12      |
|  | 0 127 127  | 5.24    | 0.56    | 5.23    | 5.60      |
|  | 0 127 191  | 1.65    | 10.42   | 4.71    | 7.69      |
|  | 0 127 255  | 11.56   | 12.79   | 3.49    | 6.97      |
|  | 0 191 0    | 3.48    | 9.23    | 3.03    | 4.47      |
|  | 0 191 63   | 4.21    | 9.78    | 3.12    | 4.89      |
|  | 0 191 127  | 0.04    | 5.98    | 3.20    | 4.21      |
|  | 0 191 191  | 4.72    | 0.86    | 3.06    | 3.41      |
|  | 0 191 255  | 0.14    | 11.75   | 2.50    | 6.92      |
|  | 0 255 0    | 9.46    | 11.39   | 0.24    | 3.59      |
|  | 0 255 63   | 10.42   | 12.54   | 0.29    | 4.12      |
|  | 0 255 127  | 6.86    | 10.00   | 0.38    | 3.71      |
|  | 0 255 191  | 1.41    | 6.01    | 0.38    | 2.58      |
|  | 0 255 255  | 3.75    | 1.41    | 0.11    | 1.18      |
|  | 63 0 0     | 8.57    | 2.32    | 4.85    | 6.36      |
|  | 63 0 63    | 6.74    | 0.74    | 5.17    | 5.77      |
|  | 63 0 127   | 2.64    | 1.64    | 4.19    | 4.30      |
|  | 63 0 191   | 0.95    | 0.22    | 2.52    | 2.53      |
|  | 63 0 255   | 5.62    | 1.03    | 0.73    | 1.12      |
|  | 63 63 0    | 5.91    | 0.84    | 7.12    | 7.59      |
|  | 63 63 63   | 0.17    | 0.07    | 7.38    | 7.38      |
|  | 63 63 127  | 4.13    | 2.16    | 6.60    | 6.85      |
|  | 63 63 191  | 8.02    | 4.14    | 4.97    | 5.52      |
|  | 63 63 255  | 12.11   | 5.16    | 2.82    | 3.81      |
|  | 63 127 0   | 2.84    | 2.59    | 5.70    | 5.85      |
|  | 63 127 63  | 3.39    | 2.98    | 5.84    | 6.12      |
|  | 63 127 127 | 1.22    | 0.43    | 5.81    | 5.84      |
|  | 63 127 191 | 3.92    | 7.05    | 5.22    | 6.79      |
|  | 63 127 255 | 12.27   | 9.60    | 4.02    | 6.31      |
|  | 63 191 0   | 6.41    | 5.97    | 3.40    | 4.15      |
|  | 63 191 63  | 7.40    | 6.82    | 3.52    | 4.59      |
|  | 63 191 127 | 3.10    | 4.31    | 3.60    | 4.20      |
|  | 63 191 191 | 1.95    | 0.77    | 3.44    | 3.52      |
|  | 63 191 255 | 1.99    | 9.93    | 2.86    | 6.26      |
|  | 63 255 0   | 11.68   | 8.95    | 0.46    | 3.10      |
|  | 63 255 63  | 12.80   | 10.11   | 0.54    | 3.63      |

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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           | DCI-P3 RGB                            |
| 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  | 9.30    | 8.25    | 0.62    | 3.36      |
|  | 63 255 191  | 3.70    | 5.14    | 0.60    | 2.41      |
|  | 63 255 255  | 1.64    | 1.25    | 0.34    | 0.84      |
|  | 127 0 0     | 6.66    | 2.48    | 3.52    | 4.11      |
|  | 127 0 63    | 6.60    | 6.15    | 3.84    | 5.48      |
|  | 127 0 127   | 6.04    | 1.38    | 3.81    | 4.14      |
|  | 127 0 191   | 1.00    | 3.09    | 3.03    | 3.27      |
|  | 127 0 255   | 4.53    | 2.64    | 1.49    | 1.85      |
|  | 127 63 0    | 1.66    | 1.58    | 5.83    | 5.91      |
|  | 127 63 63   | 0.73    | 2.69    | 6.03    | 6.26      |
|  | 127 63 127  | 0.92    | 0.83    | 5.87    | 5.90      |
|  | 127 63 191  | 5.26    | 0.91    | 4.88    | 5.02      |
|  | 127 63 255  | 10.36   | 0.07    | 3.27    | 3.64      |
|  | 127 127 0   | 4.63    | 0.75    | 5.66    | 5.78      |
|  | 127 127 63  | 4.92    | 0.20    | 5.81    | 6.04      |
|  | 127 127 127 | 0.07    | 0.06    | 5.77    | 5.77      |
|  | 127 127 191 | 5.55    | 1.43    | 5.32    | 5.70      |
|  | 127 127 255 | 12.26   | 3.52    | 4.25    | 5.17      |
|  | 127 191 0   | 8.92    | 2.32    | 3.64    | 4.06      |
|  | 127 191 63  | 10.14   | 3.07    | 3.76    | 4.45      |
|  | 127 191 127 | 5.69    | 2.07    | 3.82    | 4.29      |
|  | 127 191 191 | 0.78    | 0.39    | 3.68    | 3.70      |
|  | 127 191 255 | 5.51    | 5.94    | 3.13    | 5.03      |
|  | 127 255 0   | 14.65   | 4.94    | 0.71    | 2.59      |
|  | 127 255 63  | 15.97   | 6.13    | 0.78    | 3.13      |
|  | 127 255 127 | 12.40   | 5.17    | 0.88    | 3.05      |
|  | 127 255 191 | 6.80    | 3.58    | 0.86    | 2.44      |
|  | 127 255 255 | 1.38    | 0.88    | 0.61    | 0.88      |
|  | 191 0 0     | 2.54    | 6.62    | 1.85    | 3.27      |
|  | 191 0 63    | 2.44    | 11.00   | 2.11    | 5.36      |
|  | 191 0 127   | 6.66    | 3.82    | 2.27    | 3.22      |
|  | 191 0 191   | 3.92    | 1.77    | 2.00    | 2.24      |
|  | 191 0 255   | 1.95    | 4.12    | 1.15    | 1.85      |
|  | 191 63 0    | 2.49    | 2.93    | 3.62    | 3.84      |
|  | 191 63 63   | 2.88    | 6.81    | 3.85    | 5.03      |
|  | 191 63 127  | 1.06    | 2.48    | 3.88    | 4.07      |
|  | 191 63 191  | 1.44    | 1.33    | 3.54    | 3.59      |
|  | 191 63 255  | 6.91    | 2.76    | 2.55    | 2.94      |
|  | 191 127 0   | 8.18    | 0.63    | 4.55    | 4.85      |
|  | 191 127 63  | 7.33    | 2.21    | 4.70    | 5.18      |
|  | 191 127 127 | 2.14    | 1.52    | 4.71    | 4.88      |
|  | 191 127 191 | 4.09    | 0.81    | 4.46    | 4.64      |
|  | 191 127 255 | 10.28   | 0.89    | 3.65    | 4.22      |
|  | 191 191 0   | 10.42   | 0.86    | 3.30    | 3.82      |
|  | 191 191 63  | 11.17   | 0.60    | 3.41    | 4.16      |
|  | 191 191 127 | 6.10    | 0.19    | 3.48    | 4.06      |
|  | 191 191 191 | 0.16    | 0.12    | 3.34    | 3.35      |

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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           | DCI-P3 RGB                            |
| 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     | 6.93    | 1.09    | 2.87    | 3.80      |
|  | 191 255 0       | 15.99   | 1.94    | 0.68    | 2.49      |
|  | 191 255 63      | 17.36   | 2.77    | 0.76    | 2.96      |
|  | 191 255 127     | 13.39   | 2.22    | 0.84    | 2.95      |
|  | 191 255 191     | 7.74    | 1.82    | 0.83    | 2.59      |
|  | 191 255 255     | 2.25    | 0.45    | 0.58    | 1.16      |
|  | 255 0 0         | 3.82    | 10.90   | 0.31    | 3.69      |
|  | 255 0 63        | 3.01    | 14.72   | 0.17    | 5.45      |
|  | 255 0 127       | 3.55    | 9.52    | 0.04    | 3.90      |
|  | 255 0 191       | 4.59    | 2.97    | 0.00    | 1.40      |
|  | 255 0 255       | 0.60    | 2.09    | 0.43    | 0.84      |
|  | 255 63 0        | 8.46    | 8.35    | 1.06    | 3.26      |
|  | 255 63 63       | 7.04    | 10.97   | 1.22    | 4.46      |
|  | 255 63 127      | 0.93    | 7.33    | 1.36    | 3.35      |
|  | 255 63 191      | 0.13    | 2.32    | 1.27    | 1.58      |
|  | 255 63 255      | 3.68    | 1.78    | 0.77    | 1.15      |
|  | 255 127 0       | 14.01   | 3.86    | 2.48    | 3.59      |
|  | 255 127 63      | 11.77   | 5.02    | 2.58    | 3.93      |
|  | 255 127 127     | 5.90    | 4.15    | 2.68    | 3.60      |
|  | 255 127 191     | 4.17    | 1.38    | 2.56    | 2.82      |
|  | 255 127 255     | 7.97    | 1.32    | 2.05    | 2.60      |
|  | 255 191 0       | 14.06   | 0.22    | 2.09    | 3.13      |
|  | 255 191 63      | 14.20   | 0.86    | 2.19    | 3.47      |
|  | 255 191 127     | 8.44    | 1.68    | 2.26    | 3.35      |
|  | 255 191 191     | 3.55    | 1.32    | 2.19    | 2.73      |
|  | 255 191 255     | 6.48    | 0.75    | 1.82    | 2.70      |
|  | 255 255 0       | 17.06   | 0.98    | 0.04    | 2.55      |
|  | 255 255 63      | 18.20   | 1.00    | 0.11    | 2.95      |
|  | 255 255 127     | 13.64   | 0.31    | 0.19    | 2.94      |
|  | 255 255 191     | 7.47    | 0.17    | 0.18    | 2.64      |
|  | 255 255 255 (1) | -       | -       | -       | -         |
|  | Average (2)     | 6.06    | 3.81    | 2.86    | 4.09      |
|  | Maximum (2)     | 18.20   | 14.72   | 7.38    | 7.71      |

(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 |
| DCI-P3 RGB  | 91%                     |

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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           | DCI-P3 RGB                            |
| 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                |                    |