

M27WQHD @ 0, 0, 2560x1440 — 2022-03-05 09:17:36

Basic Information

Device:	M27WQHD @ 0, 0, 2560x1440
Instrument:	i1 DisplayPro, ColorMunki Display — LCD (generic)
Correction:	LCD White LED family (AC, LG, Samsung) <WLEDFamily_07Feb11.ccss>
Display profile:	M27WQHD #1 2022-03-05 08-54 D6500 2.2 VF-S XYZLUT+MTX
Display profile luminance:	127.6 cd/m²
Display profile whitepoint:	xy 0.3107 0.3291 (XYZ 94.41 100 109.41), CCT 6610K
Measured luminance:	126.7 cd/m²
Measured whitepoint:	xy 0.3108 0.3291 (XYZ 94.43 100 109.44), CCT 6610K
Assumed target whitepoint:	6600K daylight, xy 0.3112 0.3276 (XYZ 94.99 100 110.26)
Measured black luminance:	0.1296 cd/m²
Contrast:	977.9:1
Testchart:	verify_extended.ti1
Simulation profile:	None
Gamma mapping:	N/A
Whitepoint simulation:	N/A
Chromatic adaptation:	Bradford
Devicelink profile:	None
Evaluation criteria:	RGB
Date:	2022-03-05 09:17:36

Summary

Criteria	Nominal	Recommended	#	Actual	Result
Measured vs. assumed target whitepoint ΔE*00	<= 2	<= 1		1.52	OK ✓
Measured vs. display profile whitepoint ΔE*00		<= 1		0.05	
Average ΔE*00	<= 1.5	<= 1		0.31	OK ✓✓
Maximum ΔE*00	<= 4	<= 3	02	1.47	OK ✓✓

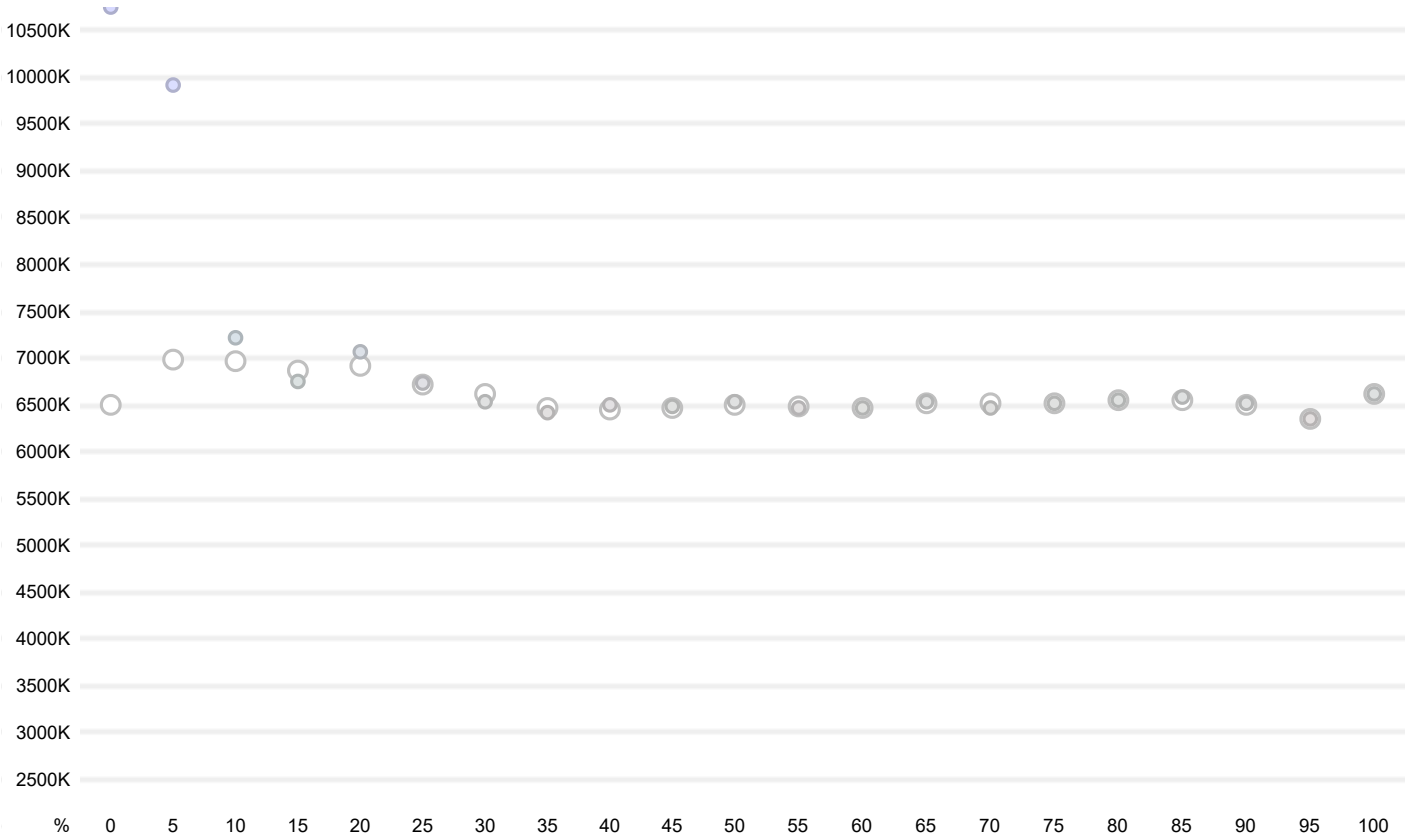
✓ Nominal tolerance passed

Overview

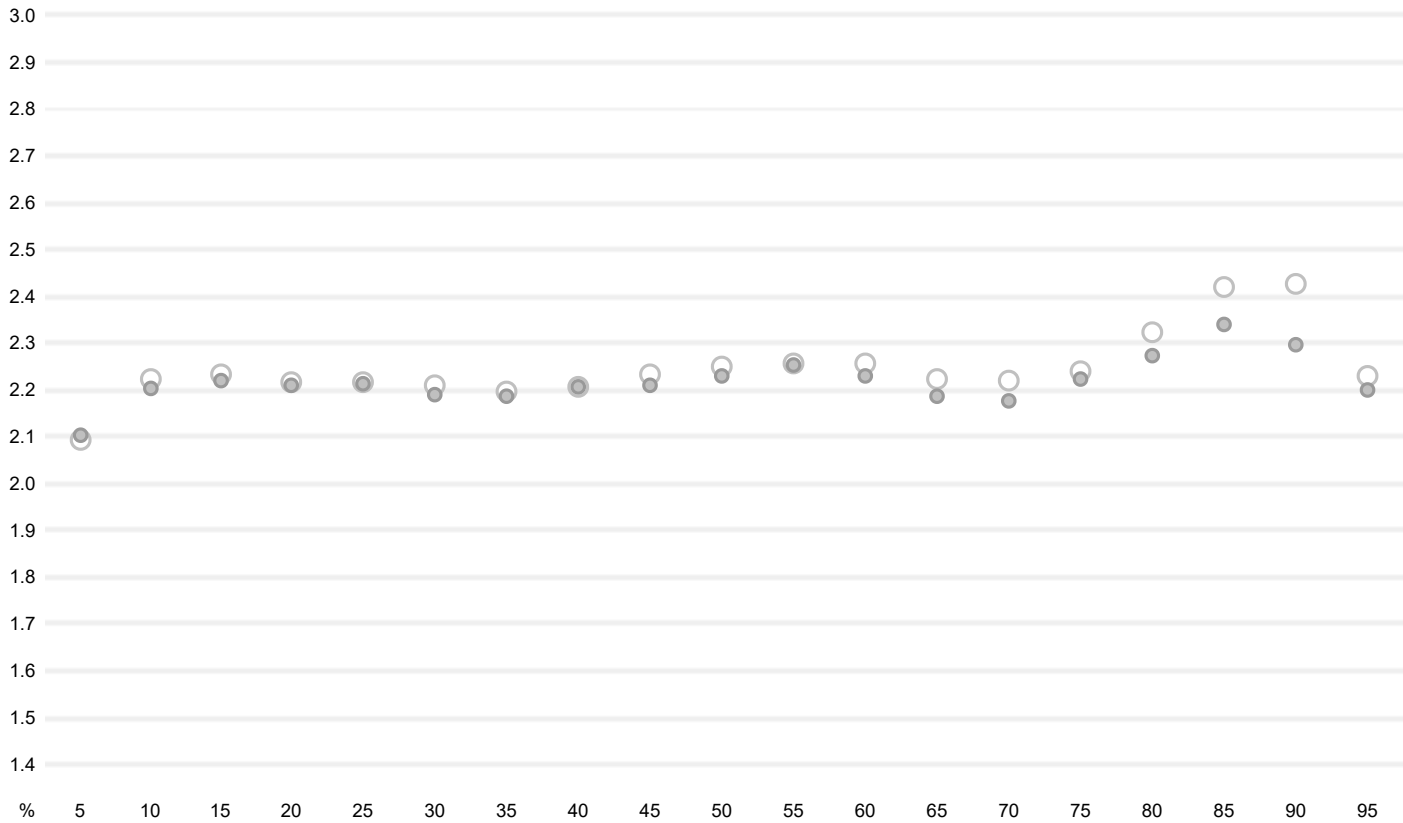
#	Device Values				Nominal Values			Measured Values				Color distance			
	R	G	B	L*	a*	b*	y	L*	a*	b*	y	ΔL* <sub>00/w</sub>	ΔC* <sub>00/w</sub>	ΔH* <sub>00/w</sub>	ΔE <sub>00</sub>
01	255	255	255	100	0	0		100	0	0		0	0	0	0
02	0	0	0	0.91	0.02	0.01		0.91	0.39	-1.4		0	1.43	-0.32	1.47
03	13	13	13	1.7	-0.17	-0.05	2.09	1.66	0.3	-1.13	2.1	-0.02	0.92	0.86	1.26
04	26	26	26	5.4	-0.45	-0.19	2.22	5.66	-0.22	-0.69	2.2	0.16	0.05	0.6	0.62
05	38	38	38	12.23	-0.15	-0.49	2.23	12.51	-0.23	-0.19	2.22	0.18	-0.15	-0.28	0.36
06	51	51	51	19.35	0	-0.89	2.22	19.45	0.08	-1.31	2.21	0.07	0.4	0.09	0.42
07	64	64	64	25.63	0.29	-0.53	2.22	25.74	0.59	-0.79	2.21	0.09	0.47	0.14	0.5
08	77	77	77	31.79	0.48	-0.29	2.21	32.16	0.31	0.11	2.19	0.3	-0.29	0.37	0.56
09	89	89	89	37.8	0.52	0.34	2.2	38	0.75	0.45	2.19	0.17	0.34	-0.03	0.38
10	102	102	102	43.1	0.48	0.54	2.21	43.11	1.1	-0.1	2.21	0.01	0.7	-0.82	1.08
11	115	115	115	48.02	0.56	0.45	2.23	48.39	0.35	0.5	2.21	0.36	-0.23	0.22	0.48
12	128	128	128	53	0.52	0.33	2.25	53.28	0.66	0.02	2.23	0.27	0.14	-0.33	0.45
13	140	140	140	57.99	0.74	0.39	2.26	58.02	1.07	0.29	2.25	0.02	0.42	-0.22	0.48
14	153	153	153	62.99	0.68	0.58	2.26	63.35	0.44	0.77	2.23	0.3	-0.15	0.38	0.51
15	166	166	166	68.31	0.76	0.26	2.22	68.73	0.54	0.23	2.19	0.34	-0.3	0.05	0.46
16	179	179	179	73.09	0.9	0.1	2.22	73.54	0.99	0.47	2.18	0.33	0.2	0.32	0.5
17	191	191	191	77.57	0.58	0.43	2.24	77.74	0.66	0.42	2.22	0.12	0.1	-0.06	0.17
18	204	204	204	81.59	0.37	0.35	2.32	81.96	0.16	0.5	2.27	0.25	-0.1	0.33	0.43
19	217	217	217	85.75	0.51	0.27	2.42	86.19	0.37	0.04	2.34	0.29	-0.25	-0.18	0.42
20	230	230	230	90.52	0.87	0.5	2.43	91.01	0.82	0.37	2.3	0.31	-0.11	-0.09	0.34
21	242	242	242	95.66	2.32	1.12	2.23	95.72	2.77	0.76	2.2	0.04	0.49	-0.48	0.68
22	128	0	0	25.44	48.16	38.33		25.51	48.25	38.4		0.05	0.03	0	0.06
23	255	0	0	54.81	83.39	77.67		54.95	83.69	77.87		0.14	0.06	-0.02	0.15
24	255	128	128	69.33	51.03	24.85		69.47	50.83	24.81		0.1	-0.06	0.03	0.12
25	0	128	0	43.94	-50.76	52.23		44.07	-50.88	52.32		0.13	0.03	0.01	0.13
26	0	255	0	87.69	-89.52	92.48		87.8	-89.43	92.56		0.07	0	-0.04	0.08
27	128	255	128	90.65	-61.38	52.7		90.88	-61.3	52.61		0.14	-0.03	0	0.15
28	0	0	128	10.09	46.16	-67.53		10.12	46.19	-67.62		0.02	0.02	-0.01	0.03
29	0	0	255	27.17	83.81	-118.29		27.26	84.01	-118.56		0.07	0.04	0.01	0.08
30	128	128	255	58.02	31.13	-66.73		58.19	31.26	-66.96		0.15	0.06	0.02	0.16
31	0	128	128	46.36	-31.75	-9.62		46.54	-31.39	-9.6		0.17	-0.14	0.05	0.23
32	0	255	255	90.09	-54.53	-15.73		90.34	-54.62	-15.84		0.15	0.03	0.04	0.16
33	170	255	255	94.58	-26.7	-8.55		94.81	-26.61	-8.54		0.14	-0.04	0.01	0.15
34	128	0	128	29.06	59.09	-36.81		29.12	59.19	-36.92		0.04	0.03	-0.02	0.06

35	255	0	255	59.78	101.58	-63.21		59.93	101.73	-63.39	0.13	0.04	-0.02	0.13
36	255	170	255	80.86	43.56	-29.33		81.05	43.68	-29.45	0.13	0.05	-0.02	0.14
37	128	128	0	50.76	-10.4	61.62		50.95	-10.15	61.84	0.19	0.05	-0.16	0.25
38	255	255	0	97.65	-19.32	106.45		97.92	-19.3	106.76	0.16	0.05	-0.04	0.17
39	255	255	170	98.75	-10.87	41.68		98.85	-10.92	41.73	0.06	0.02	0.02	0.06
40	170	85	85	47.34	37.35	18.23		47.44	37.3	18.64	0.1	0.05	0.26	0.28
41	85	170	85	62.47	-43.98	38.05		62.39	-43.53	38.15	-0.07	-0.08	-0.17	0.2
42	85	85	170	39.29	22.04	-48.19		39.45	22.09	-47.85	0.14	-0.08	0.15	0.25
43	85	170	170	64.18	-28.08	-8.8		64.21	-27.79	-8.76	0.02	-0.13	0.03	0.14
44	170	85	170	49.75	48.07	-31.06		49.91	47.96	-30.8	0.15	-0.07	0.08	0.19
45	170	170	85	68.43	-9.71	46.88		68.42	-9.49	47.04	-0.01	0.04	-0.16	0.17
46	255	0	170	57.05	91.14	-18.77		57.07	91.17	-18.69	0.02	0	0.03	0.03
47	170	255	0	91.88	-53.62	98.53		92.16	-53.63	98.82	0.17	0.04	-0.05	0.18
48	0	170	255	64.96	-12.11	-55.62		64.94	-11.93	-55.91	-0.02	0.07	0.12	0.09
49	0	255	170	88.67	-74.1	27.55		88.83	-74.24	27.71	0.1	0.04	-0.04	0.12
50	170	0	255	45.03	90.04	-88.03		45.12	90.13	-88.11	0.09	0.02	0	0.09
51	255	170	0	76.96	24.75	90.75		77.08	25.02	90.88	0.08	0.04	-0.12	0.15

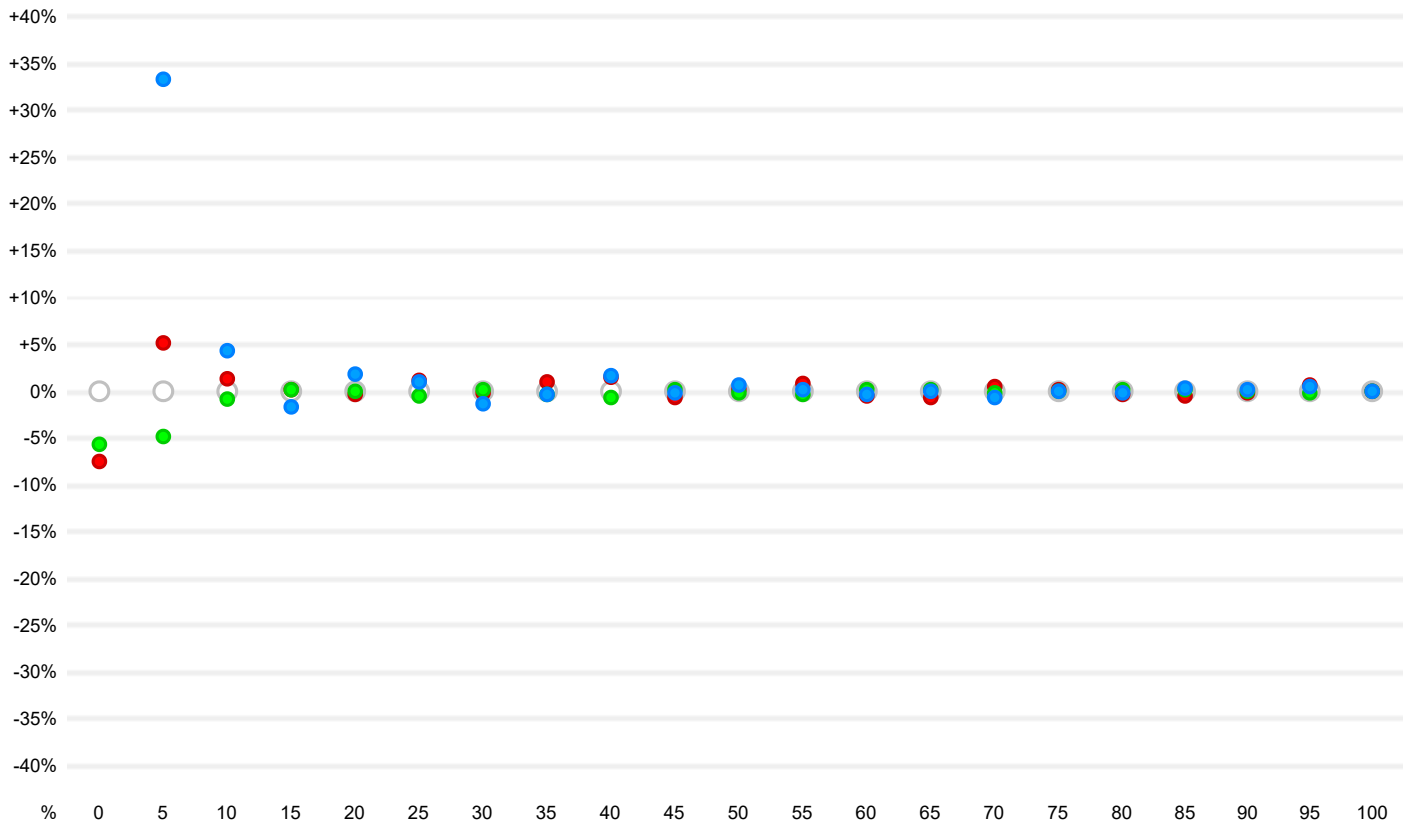
Correlated Color Temperature



Gamma



RGB Gray Balance



Gamut a\*b\*

