

DELL U2723QE @ 0, 0, 2560x1440 — 2022-04-06 11:09:45

Basic Information

Device:	DELL U2723QE @ 0, 0, 2560x1440
Instrument:	i1 DisplayPro, ColorMunki Display — Refresh (generic)
Correction:	LCD PFS Phosphor WLED IPS, 99% P3 (MacBook Pro Retina 2016) <MacBookProRetina2016.csss>
Display profile:	U2723QE #1 2022-04-06 10-59 D6500 2.2 F-S 1xCurve+MTX
Display profile luminance:	124.2 cd/m²
Display profile whitepoint:	xy 0.3127 0.3289 (XYZ 95.07 100 108.94), CCT 6503K
Measured luminance:	124.1 cd/m²
Measured whitepoint:	xy 0.3126 0.329 (XYZ 95.02 100 108.96), CCT 6510K
Assumed target whitepoint:	6500K daylight, xy 0.3128 0.3292 (XYZ 95.02 100 108.77)
Measured black luminance:	0.0937 cd/m²
Contrast:	1325:1
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:	2022-04-06 11:09:45

Summary

Criteria	Nominal	Recommended	#	Actual	Result
Measured vs. assumed target whitepoint ΔE*00	<= 2	<= 1		0.12	OK ✓✓
Measured vs. display profile whitepoint ΔE*00		<= 1		0.12	
Average ΔE*00	<= 1.5	<= 1		0.4	OK ✓✓
Maximum ΔE*00	<= 4	<= 3	10	1.28	OK ✓✓

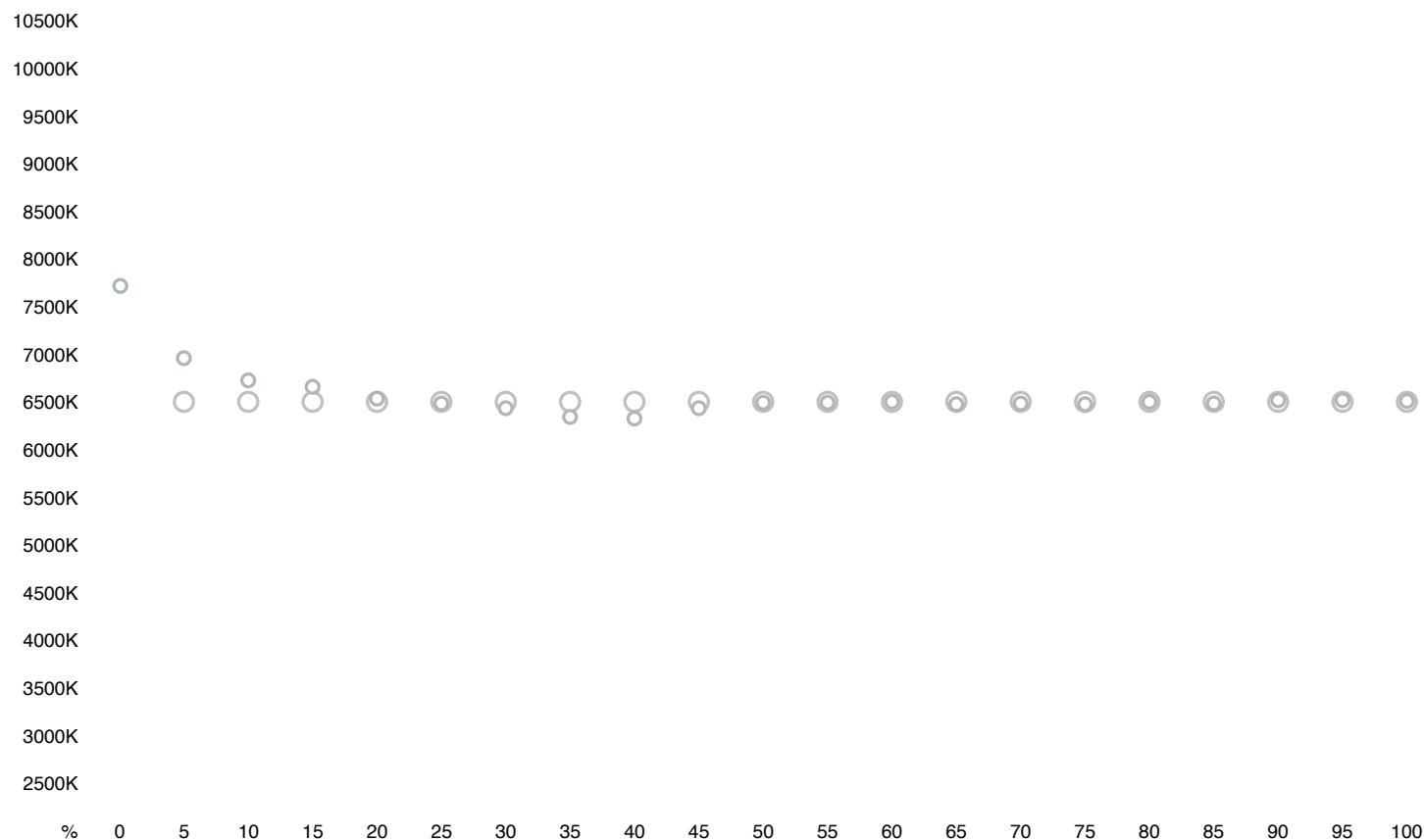
- ✓ Nominal tolerance passed
- ✓ Recommended tolerance passed

Overview

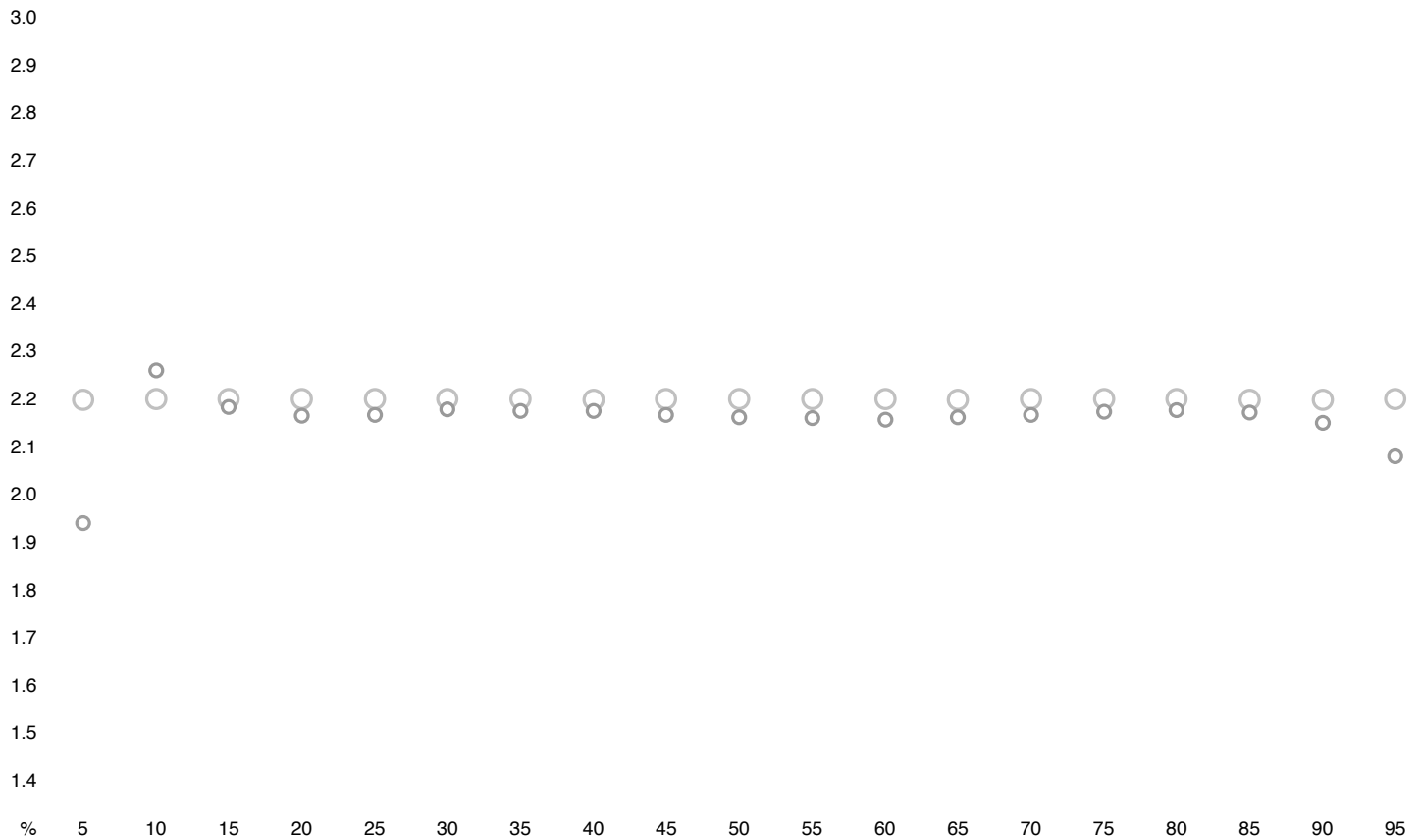
#	Device Values				Nominal Values			Measured Values				Color distance			
	R	G	B	L*	a*	b*	y	L*	a*	b*	y	ΔL* _{00/w}	ΔC* _{00/w}	ΔH* _{00/w}	ΔE ₀₀
01	255	255	255	100	0	0		100	0	0		0	0	0	0
02	0	0	0	0	0	0		0.68	-0.1	-0.13		0.39	0.2	0	0.44
03	13	13	13	1.24	0	0	2.2	2.7	-0.22	-0.17	1.94	0.85	0.37	0.01	0.93
04	26	26	26	5.71	0	0	2.2	4.96	-0.29	-0.1	2.26	-0.45	0.44	0.01	0.63
05	38	38	38	12.87	0	0	2.2	13.17	-0.46	-0.09	2.18	0.19	0.68	0.02	0.71
06	51	51	51	19.65	0	0	2.2	20.31	-0.39	0.17	2.16	0.46	0.61	0.02	0.76
07	64	64	64	25.99	0	0	2.2	26.62	-0.14	0.18	2.17	0.47	0.28	0.01	0.55
08	77	77	77	31.99	0	0	2.2	32.38	0.17	0.21	2.18	0.31	0.33	-0.01	0.45
09	89	89	89	37.73	0	0	2.2	38.17	0.35	0.57	2.18	0.38	0.76	-0.02	0.85
10	102	102	102	43.26	0	0	2.2	43.71	0.76	0.48	2.17	0.42	1.2	-0.03	1.28
11	115	115	115	48.6	0	0	2.2	49.17	0.34	0.19	2.17	0.57	0.54	-0.02	0.78
12	128	128	128	53.79	0	0	2.2	54.39	-0.09	0.13	2.16	0.58	0.18	0.01	0.61
13	140	140	140	58.84	0	0	2.2	59.42	0.05	0.06	2.16	0.51	0.09	-0.01	0.52
14	153	153	153	63.77	0	0	2.2	64.34	-0.32	0.27	2.16	0.48	0.55	0.02	0.73
15	166	166	166	68.59	0	0	2.2	69.05	-0.17	0.35	2.16	0.37	0.43	0.01	0.56
16	179	179	179	73.31	0	0	2.2	73.65	-0.21	0.28	2.17	0.26	0.41	0.02	0.49
17	191	191	191	77.94	0	0	2.2	78.18	0.18	0.16	2.17	0.17	0.31	-0.02	0.36
18	204	204	204	82.5	0	0	2.2	82.67	-0.04	0.07	2.18	0.11	0.09	0.01	0.15
19	217	217	217	86.97	0	0	2.2	87.13	0.27	0.03	2.17	0.1	0.4	-0.03	0.41
20	230	230	230	91.38	0	0	2.2	91.56	0.12	-0.16	2.15	0.11	0.24	-0.03	0.27
21	242	242	242	95.72	0	0	2.2	95.95	-0.31	0.08	2.08	0.14	0.46	0.03	0.48
22	128	0	0	27.07	58.2	45.35		27.5	58.22	44.98		0.32	-0.05	-0.16	0.36
23	255	0	0	55.59	96.74	89.74		55.58	96.72	89.66		-0.01	-0.01	-0.02	0.02
24	255	128	128	69.59	60.74	26.68		69.88	60.01	26.16		0.23	-0.22	-0.1	0.33
25	0	128	0	45.98	-62	59.93		46.44	-61.97	59.65		0.44	-0.04	0.06	0.45

26	0	255	0	87.03	-103.06	99.61	87.02	-102.94	99.61	-0.01	-0.01	-0.02	0.03
27	128	255	128	90.13	-69.82	54.65	90.21	-69.01	54.08	0.05	-0.2	-0.02	0.21
28	0	0	128	11.96	39.3	-69.52	12.4	38.99	-69.39	0.28	-0.06	-0.14	0.31
29	0	0	255	30.47	65.33	-115.56	30.47	65.41	-115.59	0	0.01	0.03	0.03
30	128	128	255	58.79	24.89	-67.69	59.36	24.19	-66.79	0.5	-0.26	-0.25	0.54
31	0	128	128	47.82	-41.68	-10.12	48.32	-42.06	-9.97	0.49	0.11	-0.15	0.52
32	0	255	255	90.09	-69.28	-16.83	90.12	-69.35	-16.79	0.02	0.01	-0.03	0.04
33	170	255	255	94.37	-34.82	-9.56	94.44	-34.54	-9.46	0.05	-0.12	-0.01	0.12
34	128	0	128	30.69	63.64	-37.4	31.05	63.92	-37.61	0.29	0.08	-0.02	0.3
35	255	0	255	61.6	105.78	-62.16	61.54	105.89	-62.28	-0.05	0.02	-0.01	0.06
36	255	170	255	81.1	48.06	-30.21	81.42	47.08	-29.75	0.21	-0.31	-0.07	0.38
37	128	128	0	52.26	-9.27	69.73	52.78	-9.11	69.73	0.51	-0.01	-0.09	0.51
38	255	255	0	97.46	-15.4	115.91	97.44	-15.42	116.21	-0.01	0.05	-0.01	0.05
39	255	255	170	98.51	-8.8	44.48	98.5	-8.66	44.03	-0.01	-0.16	-0.03	0.16
40	170	85	85	47.58	45.12	19.82	47.85	45.18	19.98	0.27	0.04	0.08	0.28
41	85	170	85	62.84	-51.87	40.59	63.37	-51.77	41.2	0.44	0.08	-0.23	0.5
42	85	85	170	39.56	18.49	-50.28	39.86	18.89	-50.2	0.26	0.02	0.32	0.4
43	85	170	170	64.53	-36.77	-9.58	65.03	-37.03	-9.09	0.42	0.05	-0.35	0.54
44	170	85	170	50.13	52.7	-32.22	50.36	52.74	-32.19	0.23	0.01	0.02	0.23
45	170	170	85	68.7	-8.8	50.34	69.17	-9.29	50.82	0.37	0.17	0.26	0.48
46	255	0	170	58.17	100.64	-17.98	58.14	100.78	-18.54	-0.03	0.04	-0.17	0.17
47	170	255	0	91.55	-57.5	106.71	91.6	-56.85	106.92	0.03	-0.02	-0.23	0.23
48	0	170	255	65.87	-25.75	-56.22	66.33	-26.77	-55.5	0.38	-0.06	-0.52	0.63
49	0	255	170	88.3	-87.82	27.33	88.31	-87.46	27.21	0.01	-0.07	0	0.07
50	170	0	255	47.06	86.6	-87.07	47.13	86.84	-86.91	0.07	0.01	0.11	0.13
51	255	170	0	77.42	33.28	100.15	77.65	32.68	100.46	0.17	0.02	0.35	0.39

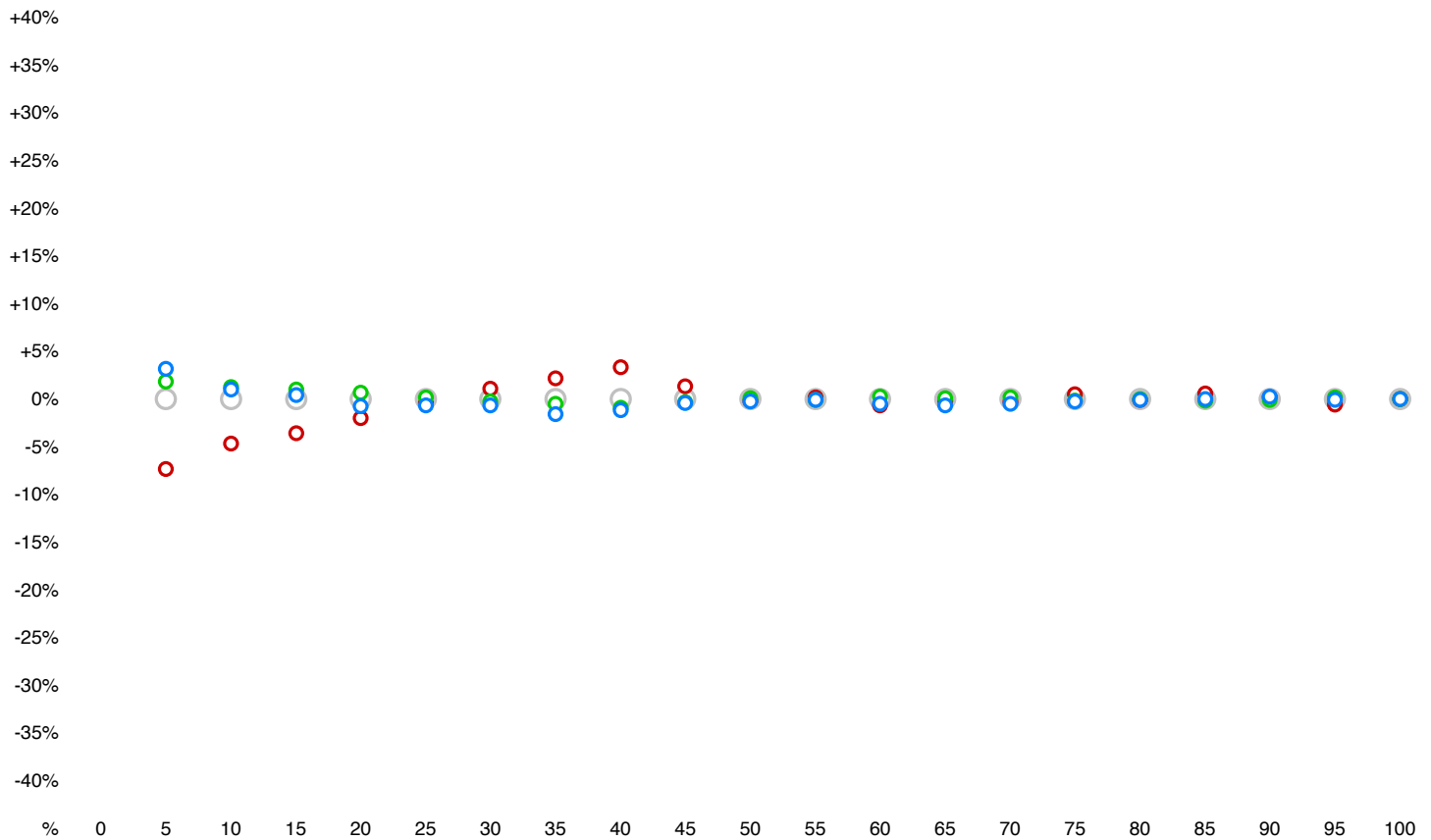
Correlated Color Temperature



Gamma



RGB Gray Balance



Gamut a*b*

