

Gray Scale: True Black 400

Dell AW3225QF – 2% APL

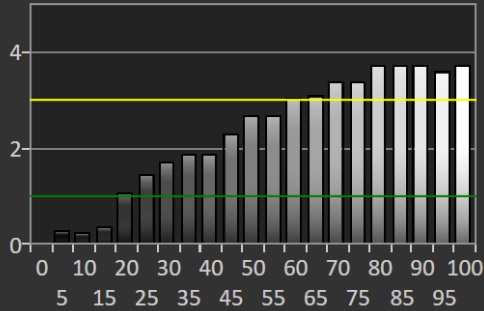
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0



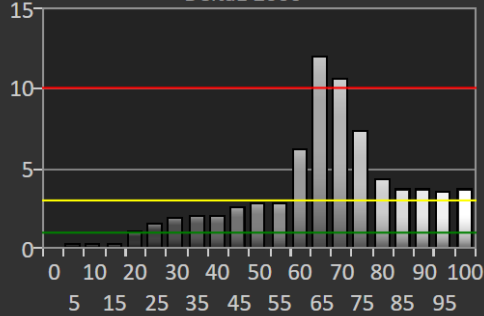
Grayscale Tracking

dE Formula: 2000

DeltaE 2000



DeltaE 2000



Current Reading:

x: 0.3191

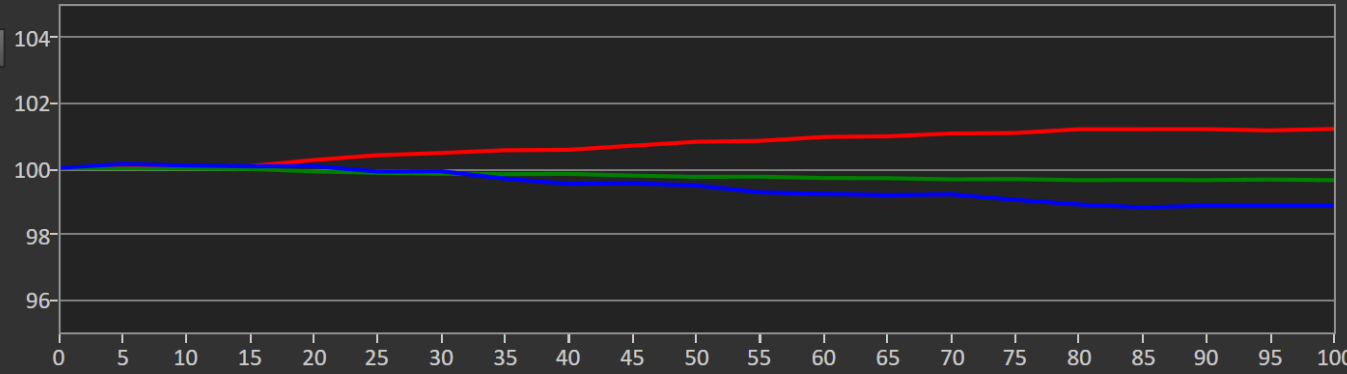
y: 0.331

fL: 130.44

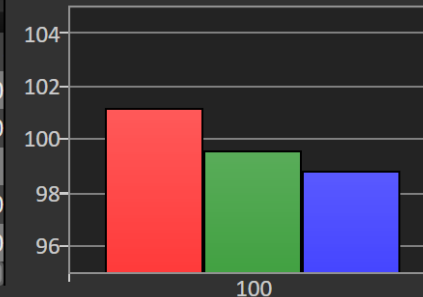
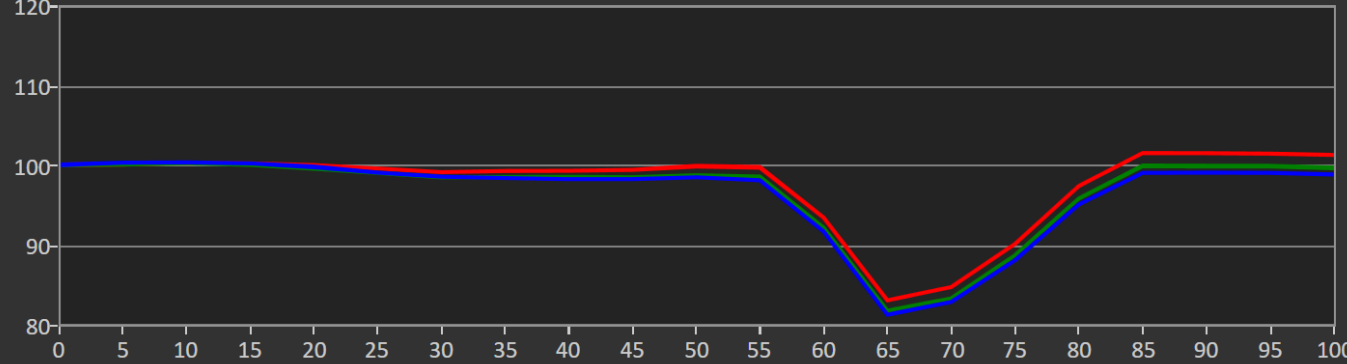
cd/m²: 446.92

	0	5	10	15	20	25	30	35	40	45	50	
Y	0.002	0.113	0.434	1.023	2.272	4.761	8.638	16.542	29.985	52.355	90.170	1
x: CIE31	0.363	0.275	0.309	0.315	0.319	0.320	0.320	0.320	0.320	0.319	0.319	0
y: CIE31	0.302	0.265	0.314	0.323	0.324	0.328	0.327	0.330	0.331	0.330	0.330	0
Target Y	0.000	0.063	0.342	0.982	2.429	5.226	9.791	18.223	32.448	55.925	94.075	1
Target x:CIE31	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0
Target y:CIE31	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0

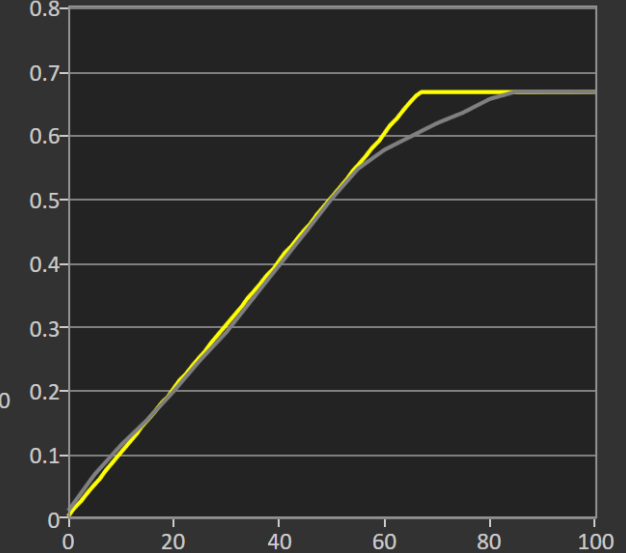
RGB Balance, without Luminance



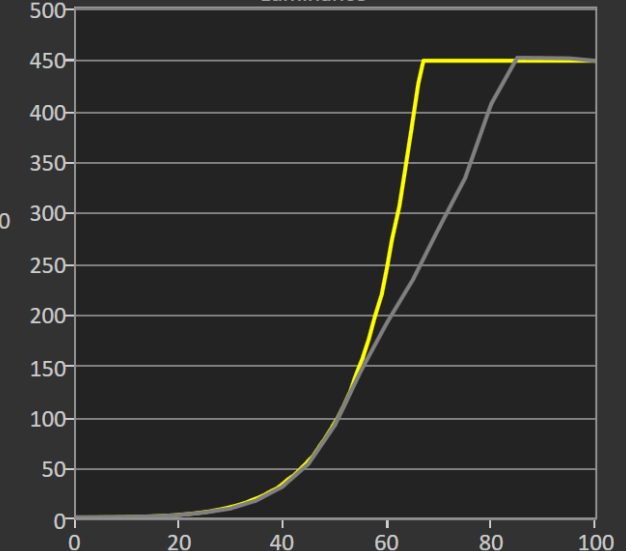
RGB Balance, with Luminance



EOTF



Luminance



Gray Scale: True Black 400

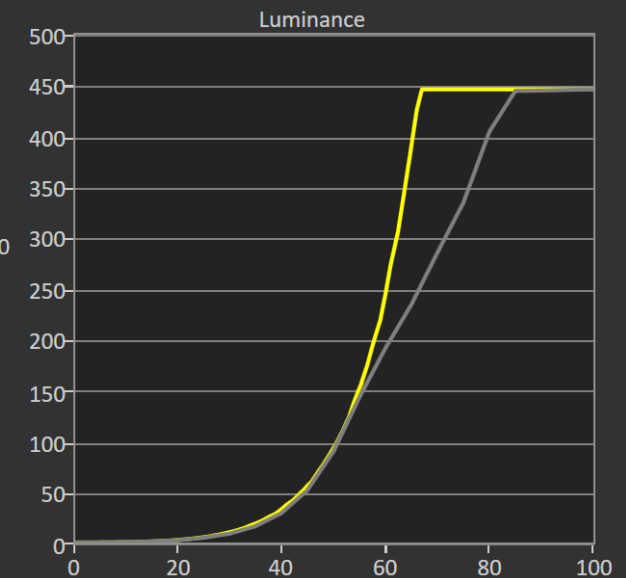
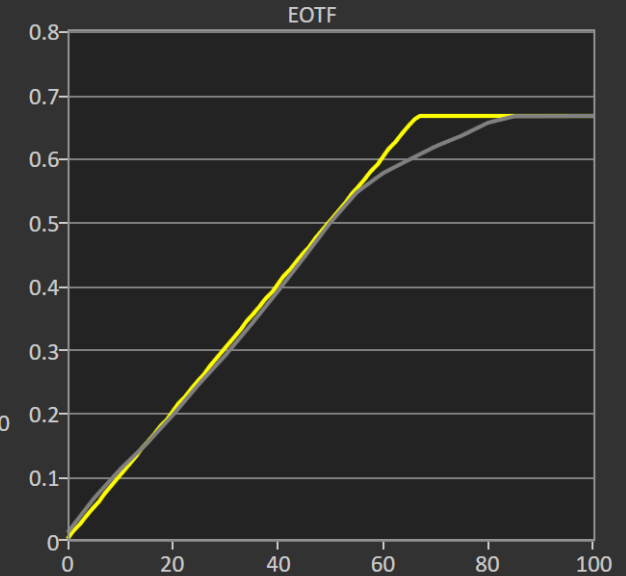
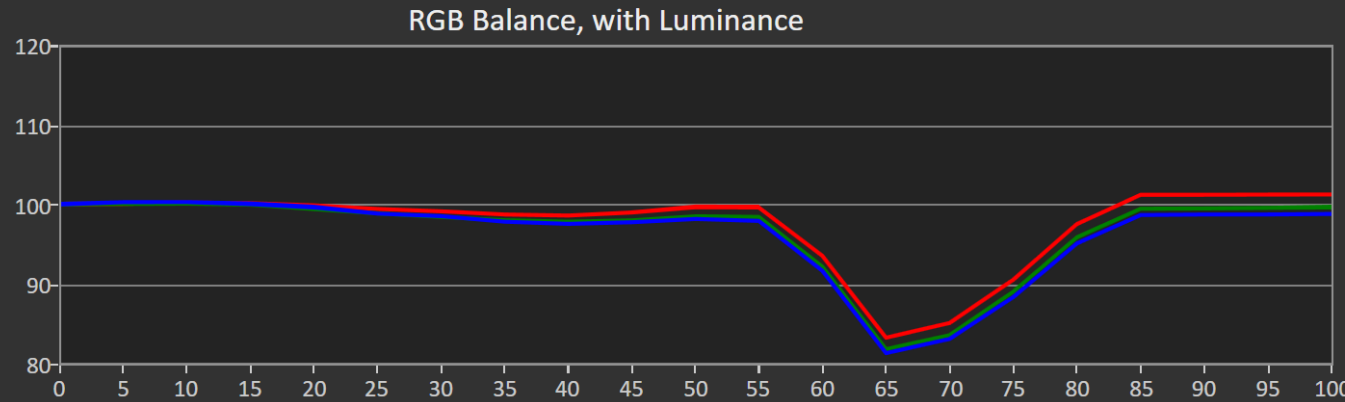
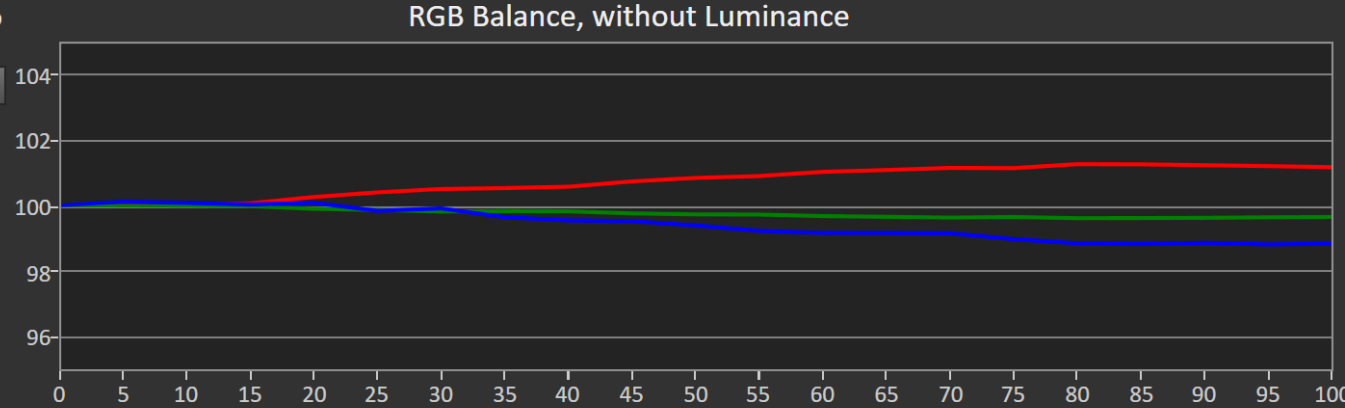
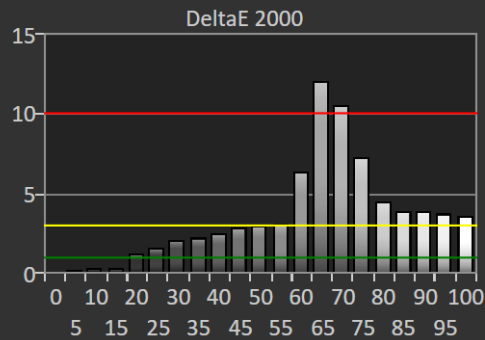
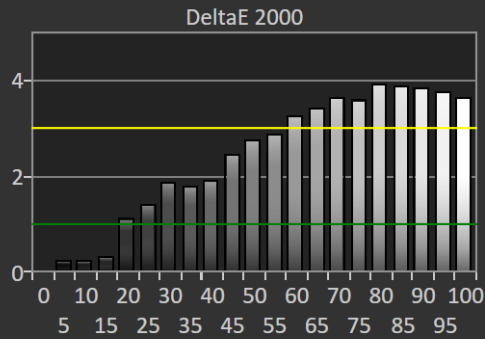
Dell AW3225QF – 10% APL

Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0



Grayscale Tracking

dE Formula: 2000



Current Reading:

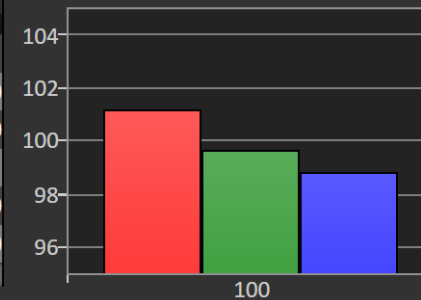
x: 0.319

y: 0.3311

fL: 129.753

cd/m²: 444.567

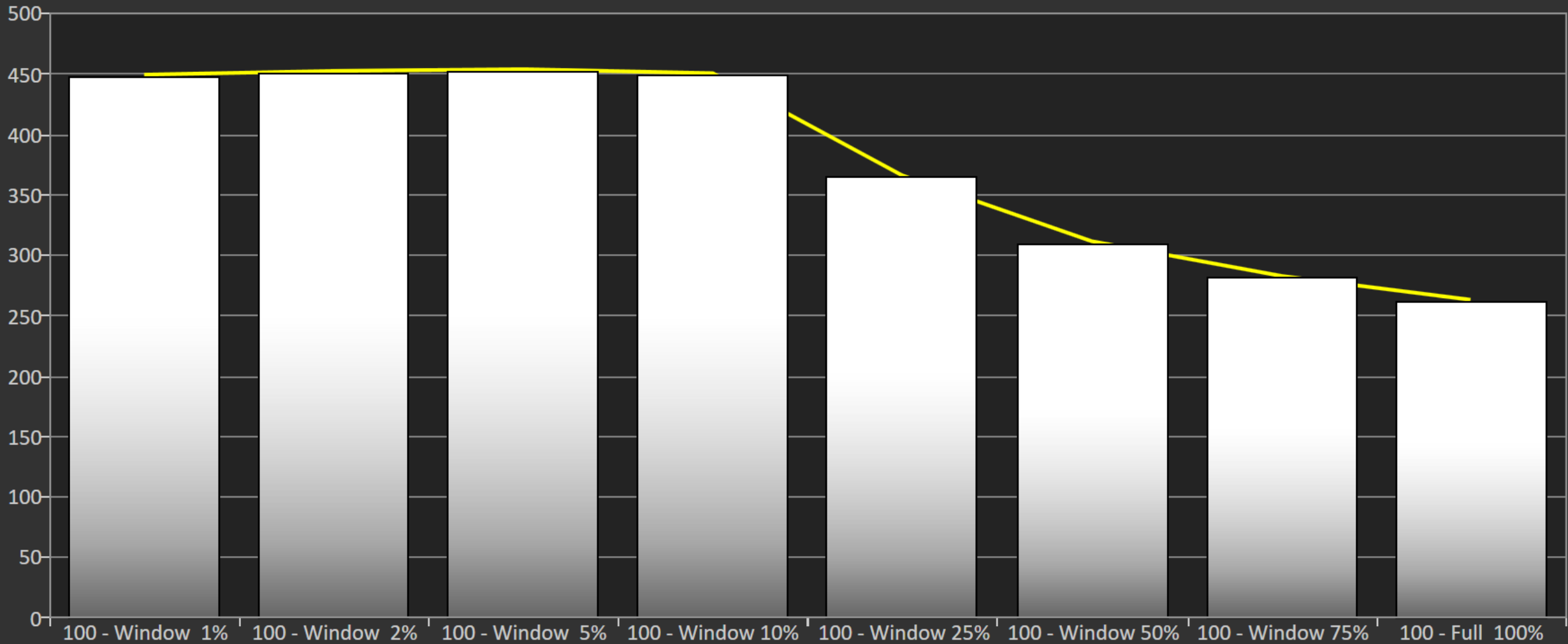
	0	5	10	15	20	25	30	35	40	45	50
Y	0.002	0.104	0.409	0.989	2.204	4.676	8.615	15.887	28.670	51.068	89.292
x: CIE31	0.396	0.276	0.309	0.316	0.319	0.321	0.320	0.321	0.320	0.320	0.320
y: CIE31	0.340	0.266	0.314	0.324	0.323	0.329	0.327	0.330	0.331	0.330	0.330
Target Y	0.000	0.063	0.342	0.982	2.429	5.226	9.791	18.223	32.448	55.925	94.075
Target x:CIE31	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313	0.313
Target y:CIE31	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329	0.329



Peak vs. Window Size: True Black 400

Dell AW3225QF

Portrait Display Calman Ultimate



ColorMatch HDR: True Black 400

Dell AW3225QF – 10% APL

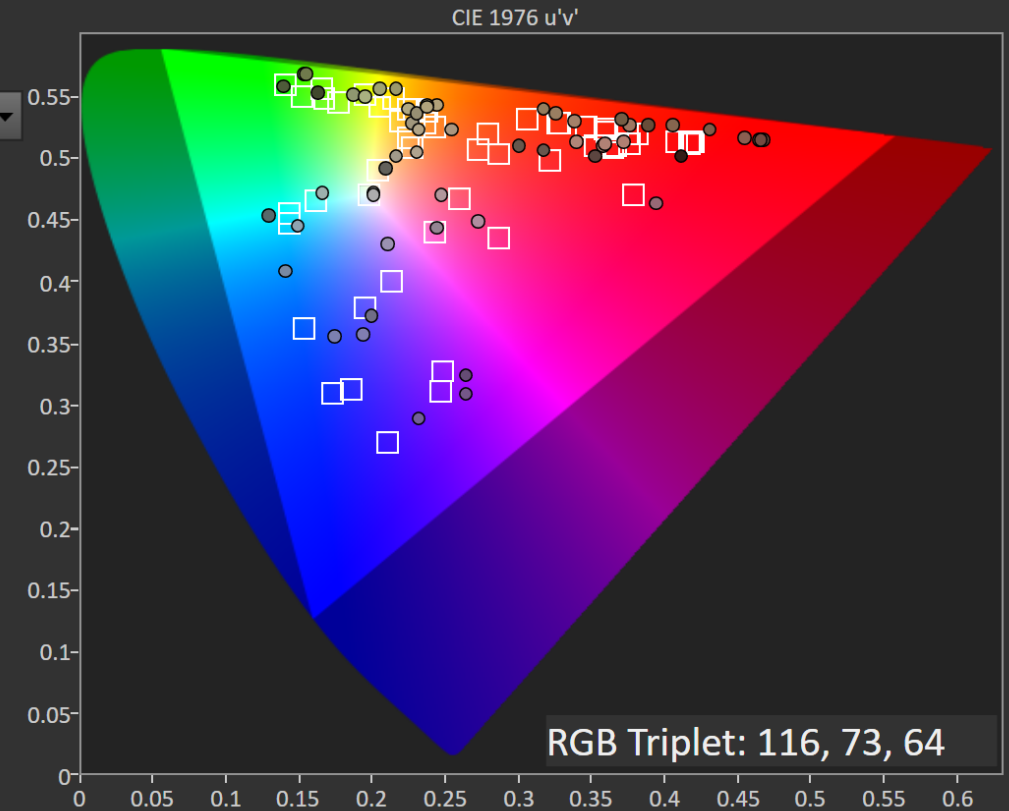
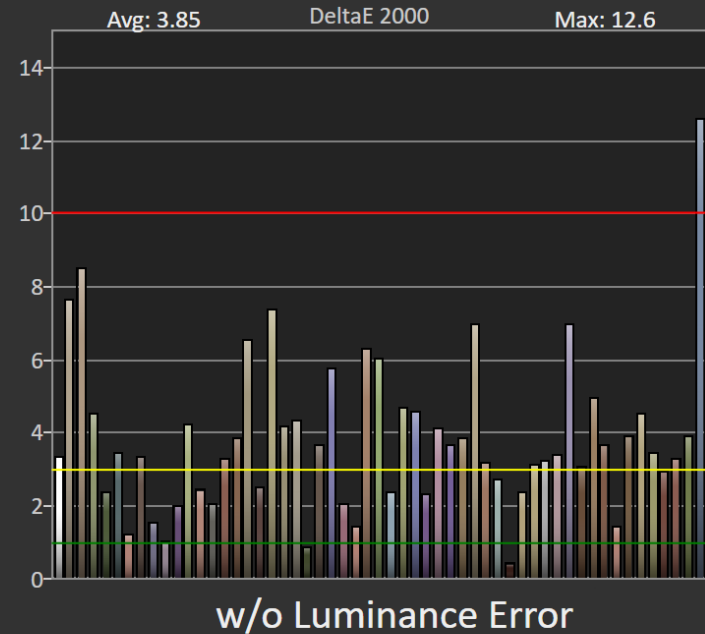
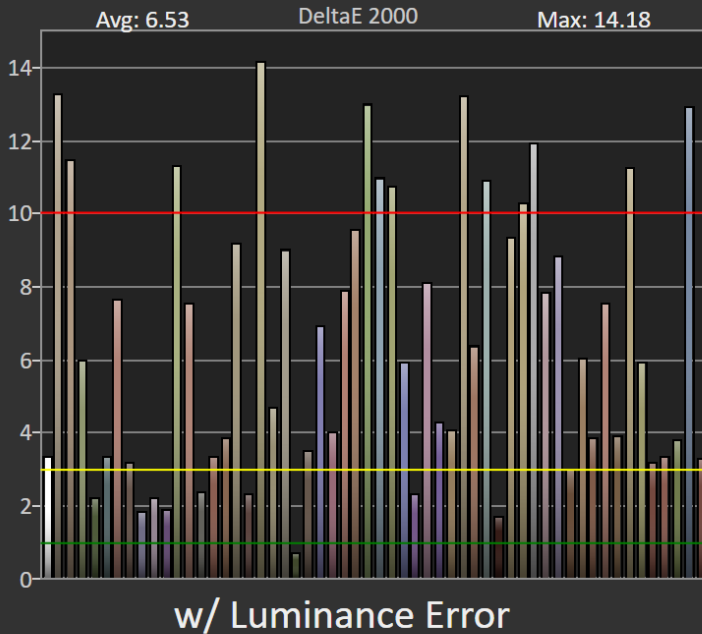
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.5 | Max. DeltaE < 4.5



ColorMatch HDR

*The ColorMatch HDR patch set is derived from actual HDR video content.

dE Formula: 2000



	White	Color 1	Color 2	Color 3	Color 4	Color 5	Color 6	Color 7	Color 8	Color 9	Color 10	Color 11	Color 12	Color 13	Color 14	Color 15	Color 16	Color 17	Color 18	Color 19	Color 20	Color 21
x: CIE31	0.3185	0.3893	0.4418	0.3892	0.3200	0.2100	0.5340	0.4893	0.2463	0.3444	0.2823	0.3995	0.5221	0.3485	0.6305	0.6045	0.4134	0.5178	0.4270	0.4298	0.3672	0.352
y: CIE31	0.3308	0.3771	0.4034	0.5068	0.5670	0.3257	0.3371	0.3462	0.2032	0.2766	0.1528	0.4978	0.3484	0.3624	0.3171	0.3476	0.4246	0.3258	0.4553	0.4422	0.3753	0.528
Y	439.0814	233.6715	198.0535	166.6600	14.4439	27.8687	135.9994	19.2945	45.9468	130.6335	17.8066	257.4597	145.5279	23.3407	54.1728	53.0956	186.9485	9.9761	248.0640	157.9019	200.4650	6.483
Target x:CIE31	0.3127	0.3963	0.4683	0.3646	0.3302	0.2314	0.5394	0.4533	0.2465	0.3398	0.2708	0.4035	0.5301	0.3383	0.5861	0.5548	0.4296	0.4842	0.4021	0.4252	0.3902	0.352
Target y:CIE31	0.3290	0.4032	0.3853	0.4953	0.5268	0.3238	0.3323	0.3526	0.2114	0.2720	0.1576	0.4705	0.3392	0.3594	0.3261	0.3579	0.4109	0.3329	0.4682	0.4217	0.3860	0.511
Target Y	439.0814	364.2953	268.6339	200.4066	16.5971	31.7532	188.2263	20.6497	49.6300	141.8199	18.5495	418.6236	196.9192	26.0490	54.1003	52.9620	244.6872	10.4355	418.8465	176.4796	276.1415	6.884
dE_ICtCp_240	1.2122	12.0250	10.9489	6.6871	4.7481	5.1472	8.6315	7.0431	2.1263	2.2291	5.1327	13.3169	8.7027	2.8163	12.1369	12.3176	8.2422	6.5353	14.1898	4.6533	9.2393	1.878

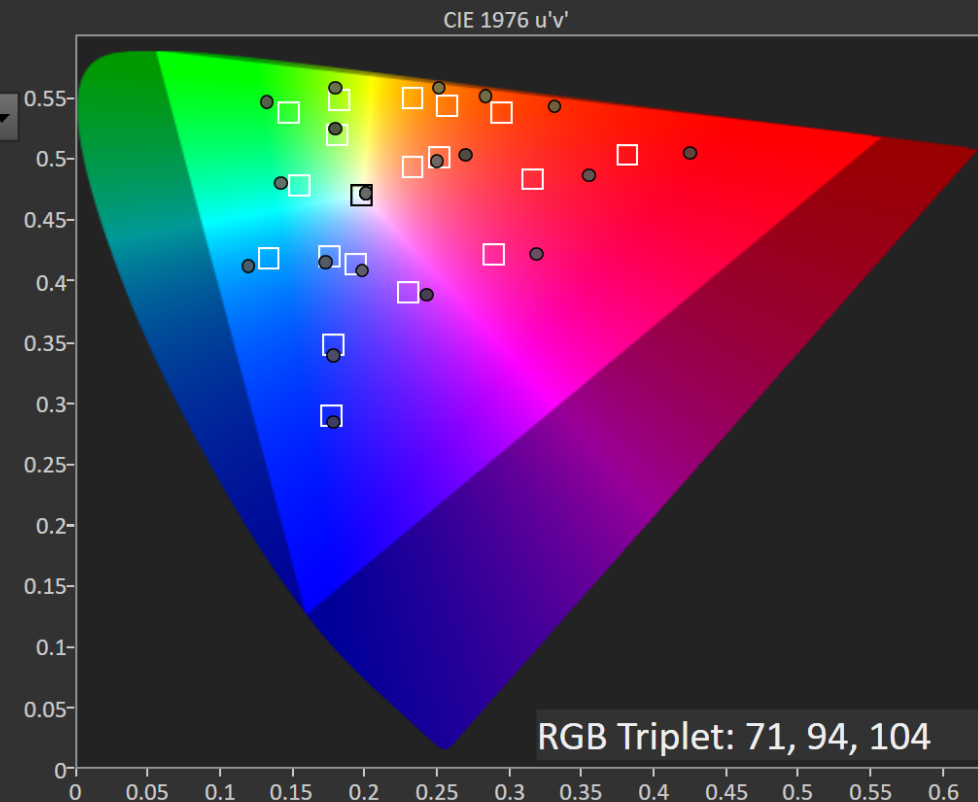
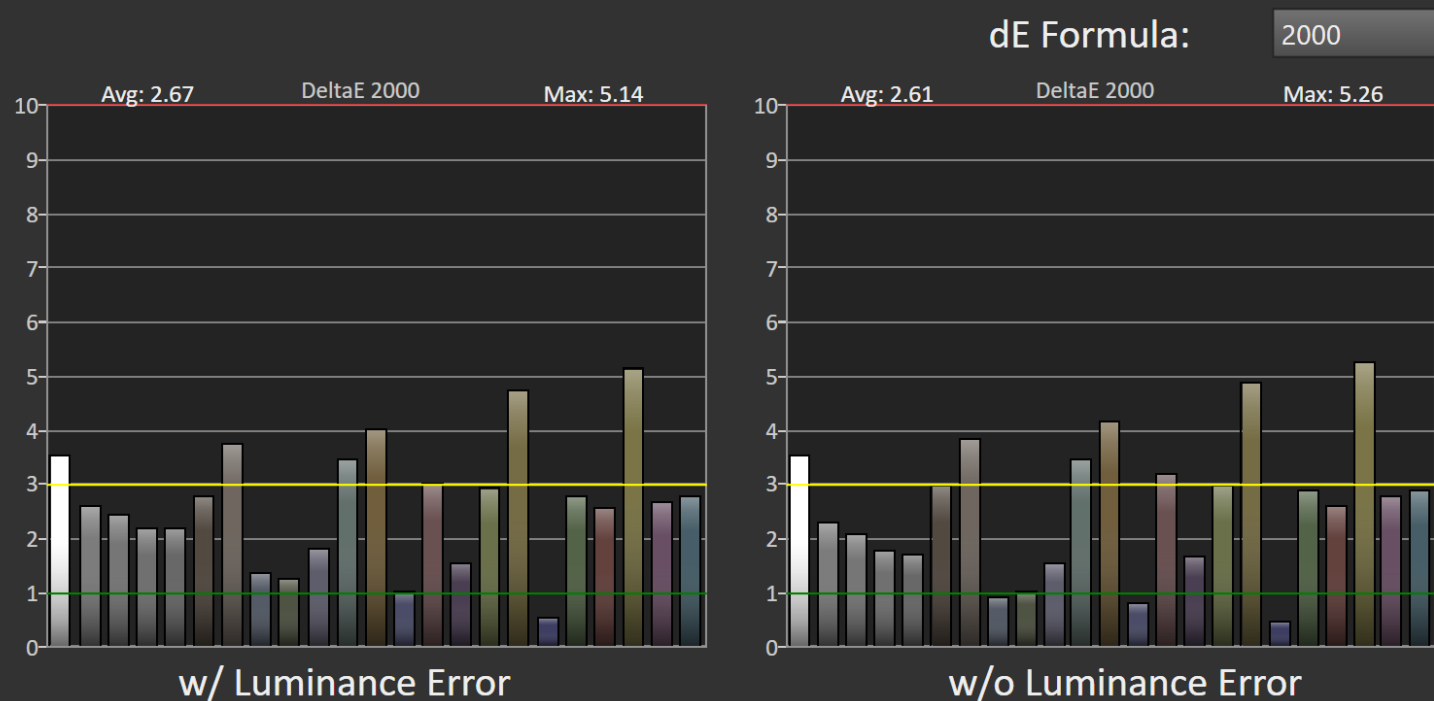
ColorChecker: True Black 400

Dell AW3225QF – 10% APL

Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.5 | Max. DeltaE < 4.5



ColorChecker® Analysis



	White	Gray 80	Gray 65	Gray 50	Gray 35	Dark Skin	Light Skin	Blue Sky	Foliage	Blue Flower	Bluish Green	Orange	Purplish Blue	Moderate Red	Purple	Yellow Green	Orange Yellow	Blue	Green	Red	Yellow
x: CIE31	0.3187	0.3184	0.3184	0.3183	0.3184	0.4348	0.4041	0.2427	0.3447	0.2665	0.2452	0.5588	0.2103	0.5013	0.3008	0.3874	0.5185	0.1878	0.2932	0.5889	0.4393
y: CIE31	0.3308	0.3294	0.3296	0.3300	0.3295	0.3588	0.3568	0.2574	0.4440	0.2438	0.3675	0.4056	0.1762	0.3050	0.2136	0.5331	0.4458	0.1321	0.5347	0.3097	0.4393
Y	443.3421	76.0976	61.6035	45.5411	31.8610	8.7861	32.5051	16.5528	11.4127	20.6710	38.1696	27.3006	10.2150	17.5124	5.9919	39.7789	42.0445	5.6517	20.3204	11.4203	56.4240
Target x:CIE31	0.3127	0.3127	0.3127	0.3127	0.3127	0.4095	0.3796	0.2494	0.3405	0.2662	0.2621	0.5106	0.2136	0.4597	0.2901	0.3764	0.4745	0.1885	0.3085	0.5466	0.4393
Target y:CIE31	0.3290	0.3290	0.3290	0.3290	0.3290	0.3620	0.3560	0.2628	0.4317	0.2503	0.3581	0.4129	0.1837	0.3114	0.2171	0.5012	0.4449	0.1355	0.4962	0.3189	0.4393
Target Y	443.3421	80.3390	65.7795	49.4422	35.3489	9.6506	35.3720	18.8340	13.1360	23.3018	43.1697	28.7456	11.5196	18.5140	6.4950	44.1559	44.1961	6.0883	23.5867	11.4907	59.0433
dE ICtCp_240	1.2737	1.7309	1.8961	2.1407	2.5109	4.3164	4.6986	2.8699	2.9670	2.6222	4.5376	9.6358	2.3195	8.8749	3.1167	5.6156	8.9089	1.2688	5.1216	9.4174	8.8749

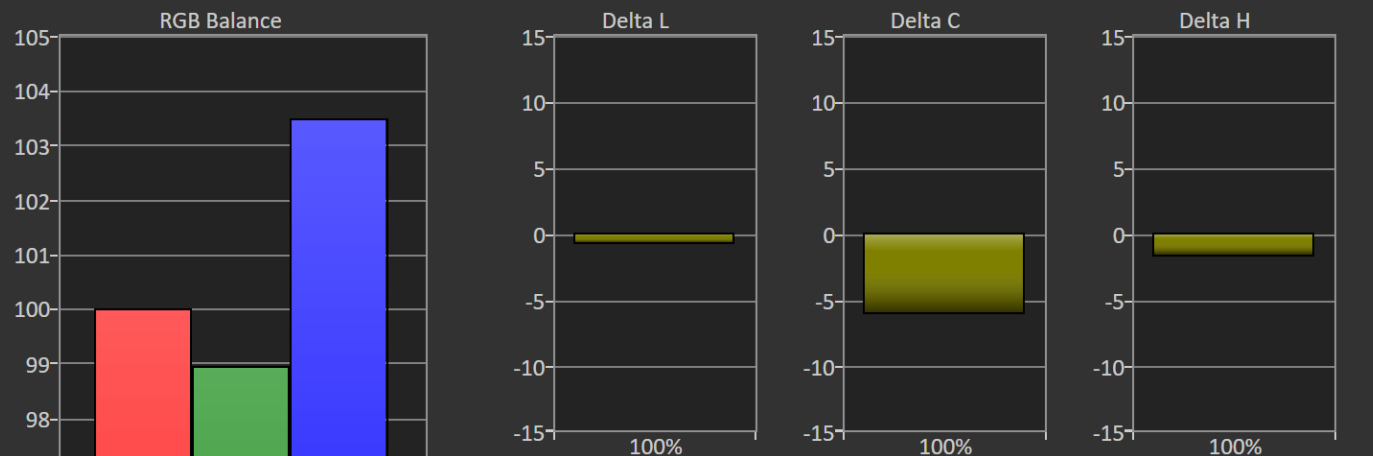
Saturation: True Black 400

Dell AW3225QF – 10% APL

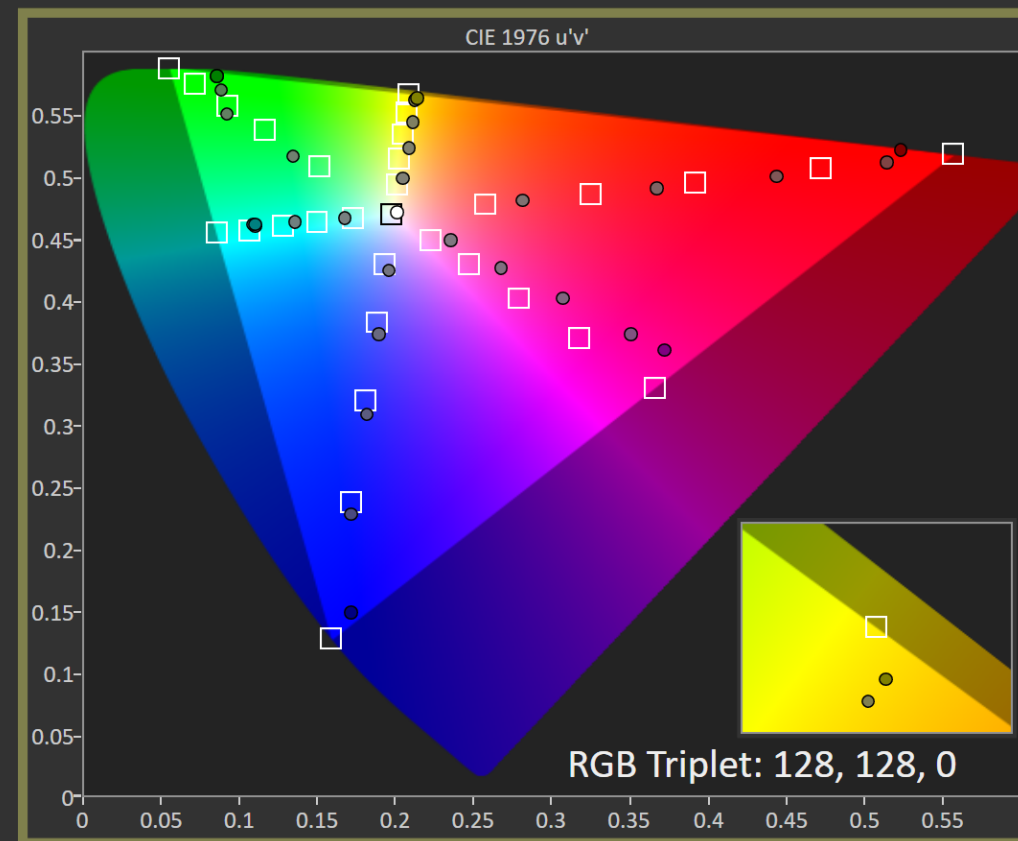
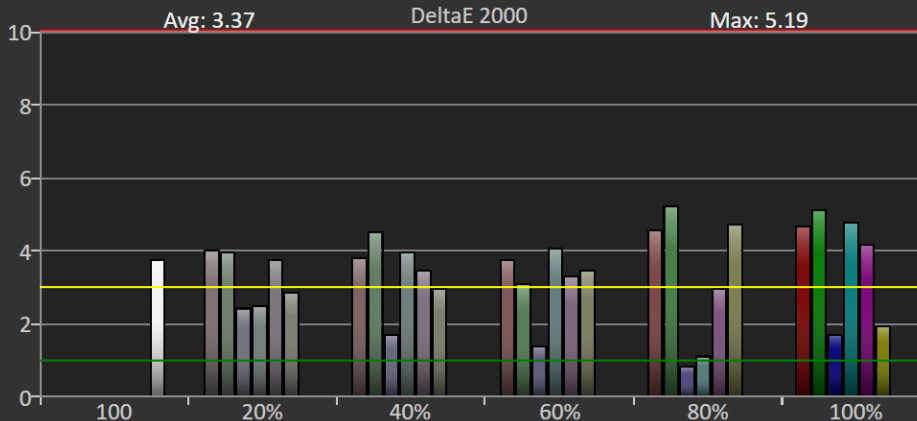
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0 | Max. DeltaE < 4.5



BT.2020 Saturation Sweeps



dE Formula: 2000



Current Reading

x: 0.4484
y: 0.5251
fL: 24.998
cd/m²: 85.65

	20%	40%	60%	80%	100%
x: CIE31	0.3507	0.3832	0.4150	0.4451	0.4484
y: CIE31	0.3775	0.4266	0.4743	0.5197	0.5251
Y	88.0319	86.7797	85.8382	85.6607	85.6502
Target x:CIE31	0.3393	0.3662	0.3930	0.4196	0.4465
Target y:CIE31	0.3704	0.4123	0.4540	0.4955	0.5374
Target Y	92.3968	91.0846	90.0442	89.2031	88.4963

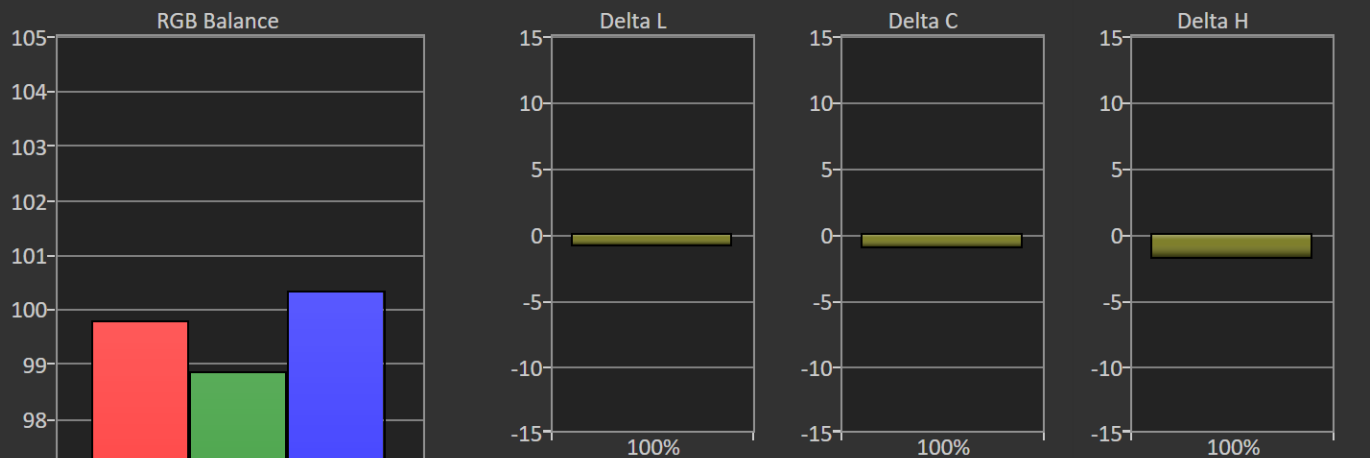
Saturation: True Black 400

Dell AW3225QF – 10% APL

Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0 | Max. DeltaE < 4.5



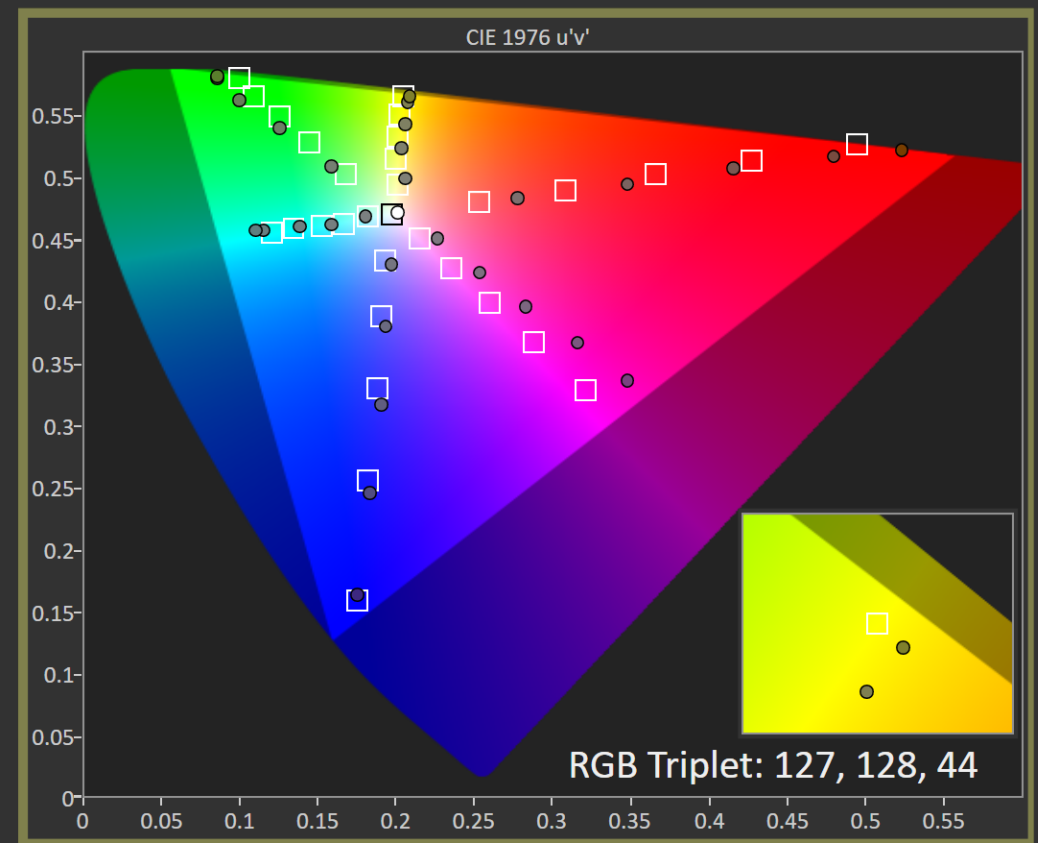
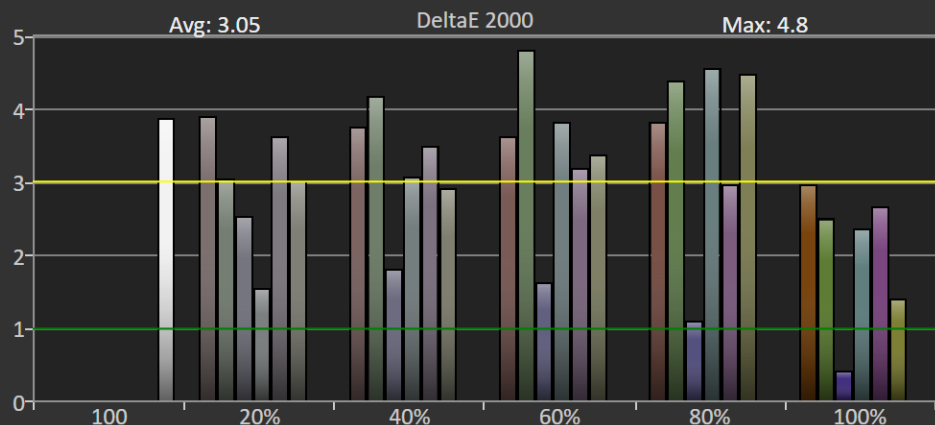
P3 Saturation Sweeps inside BT.2020



dE Formula: 2000

Current Reading

x: 0.4423
y: 0.5307
fL: 24.612
cd/m²: 84.326



	20%	40%	60%	80%	100%
x: CIE31	0.3513	0.3769	0.4061	0.4357	0.4423
y: CIE31	0.3775	0.4291	0.4744	0.5208	0.5307
Y	88.0325	85.6046	84.5738	84.6479	84.3263
Target x:CIE31	0.3393	0.3611	0.3858	0.4118	0.4375
Target y:CIE31	0.3704	0.4141	0.4536	0.4953	0.5364
Target Y	92.3968	90.1324	89.1615	88.3224	87.6345

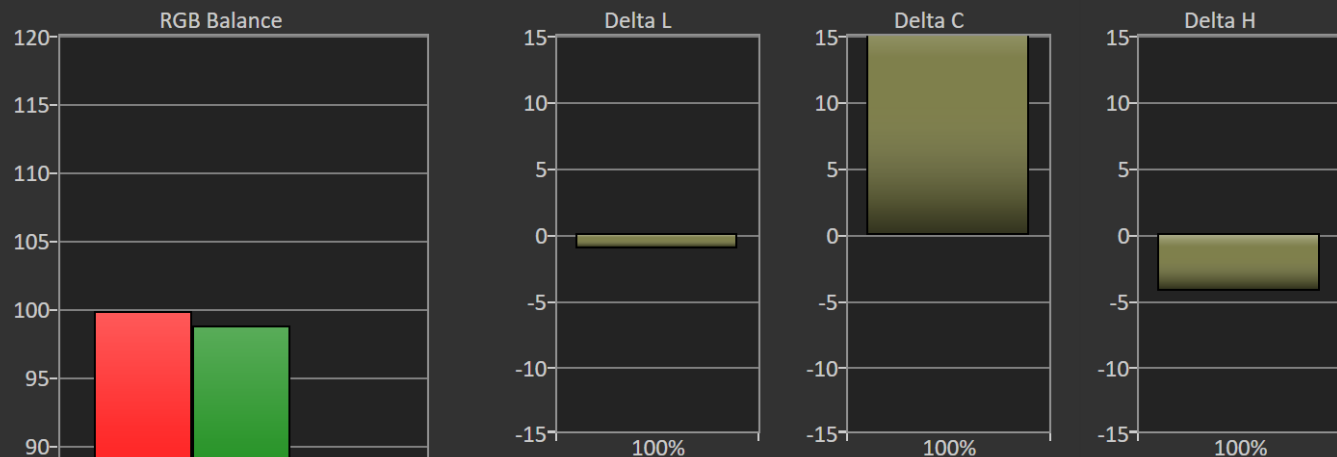
Saturation: True Black 400

Dell AW3225QF – 10% APL

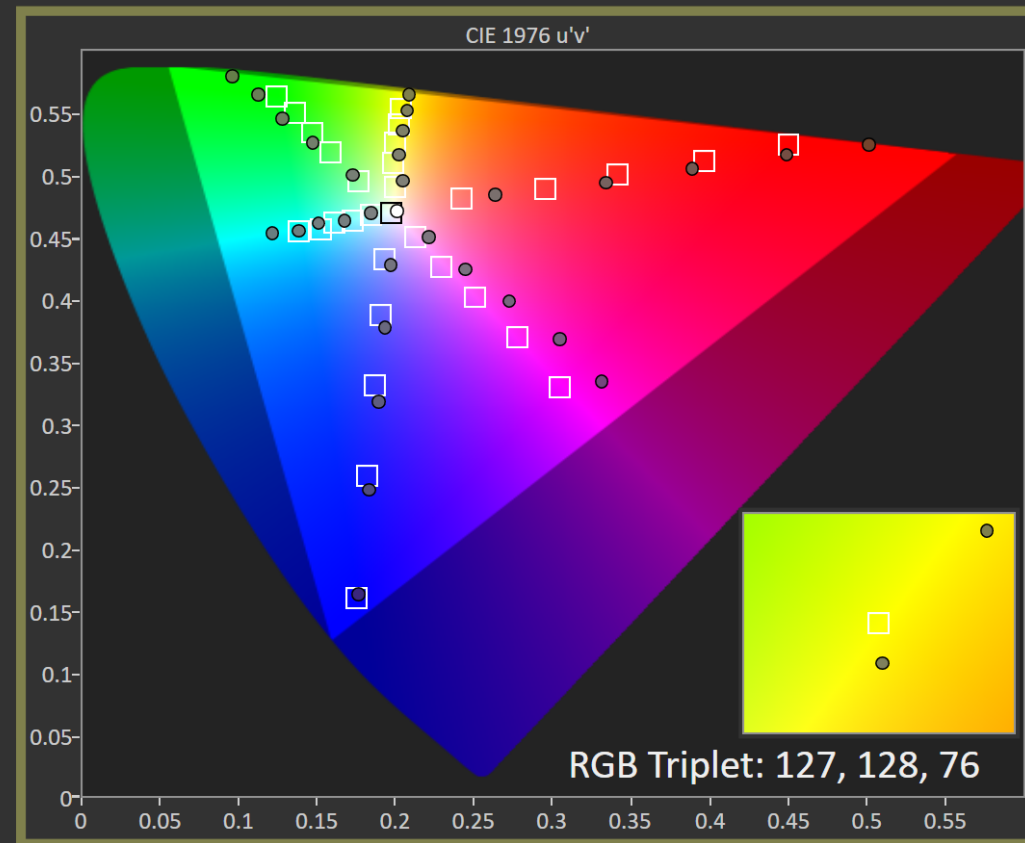
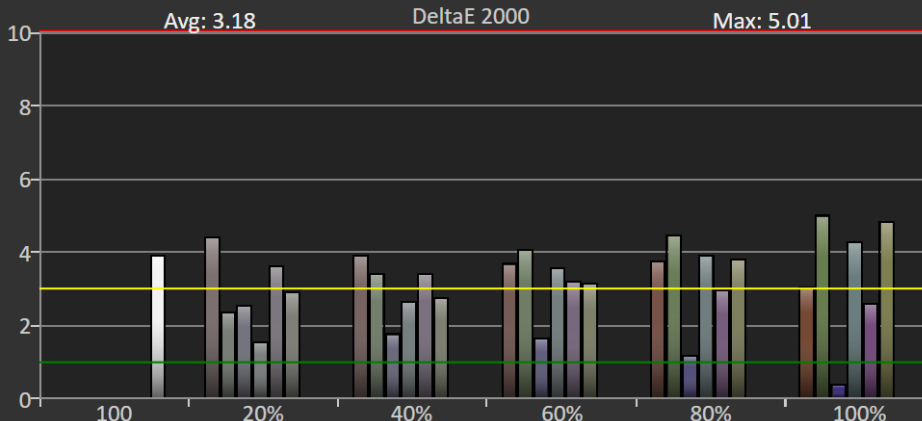
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0 | Max. DeltaE < 4.5



BT.709 Saturation Sweeps inside BT.2020



dE Formula: 2000



Current Reading

x: 0.4423

y: 0.5307

fL: 24.622

cd/m²: 84.361

	20%	40%	60%	80%	100%
x: CIE31	0.3472	0.3674	0.3939	0.4195	0.4423
y: CIE31	0.3718	0.4147	0.4559	0.4955	0.5307
Y	87.8614	85.8868	85.2078	84.7686	84.3608
Target x:CIE31	0.3364	0.3534	0.3752	0.3969	0.4187
Target y:CIE31	0.3659	0.4019	0.4367	0.4714	0.5064
Target Y	92.5569	90.4758	89.5525	88.7828	88.1246