

Gray Scale: HDR 1000 Nits OSD Game Mode (AMD GPU)

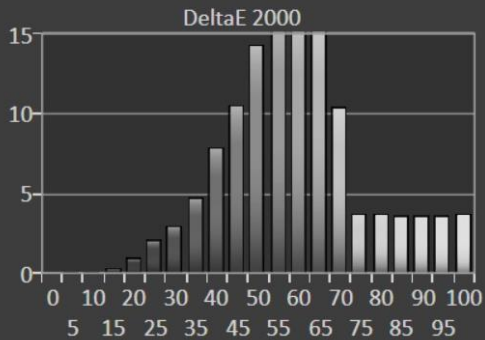
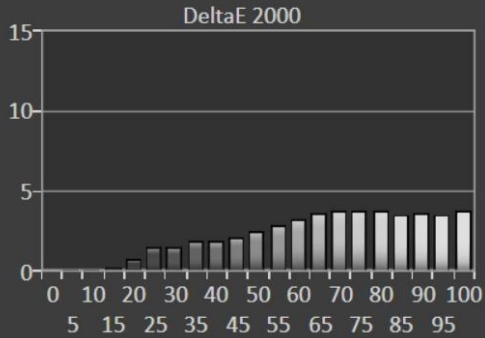
Philips EVNIA 34M2C8600 – 2% APL

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



Grayscale Tracking

dE Formula: 2000



Current Reading:

x: 0.3199

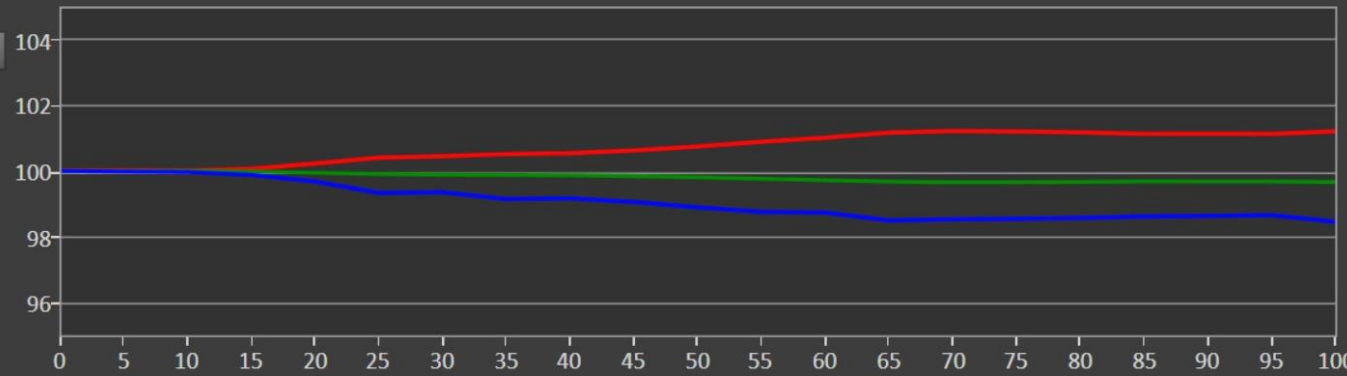
y: 0.3323

fL: 268.864

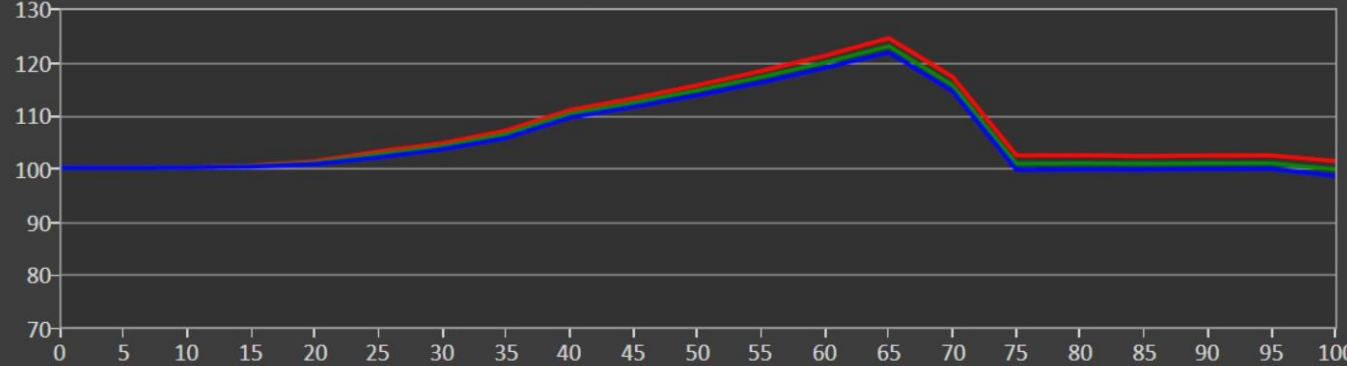
cd/m²: 921.197

	0	5	10	15	20	25	30	35	40	45	50
Y	0.001	0.076	0.401	1.289	3.410	7.869	15.314	31.827	66.377	114.914	193.37
x: CIE31	0.335	0.365	0.323	0.327	0.329	0.326	0.324	0.323	0.321	0.321	0.321
y: CIE31	0.326	0.359	0.339	0.339	0.338	0.337	0.335	0.335	0.334	0.333	0.333
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

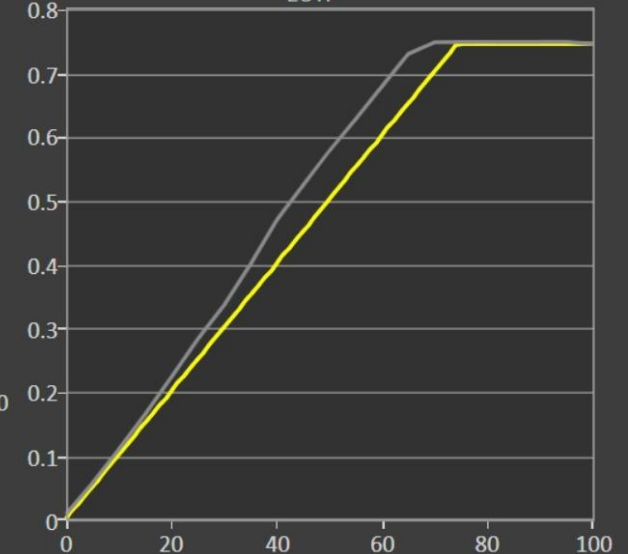
RGB Balance, without Luminance



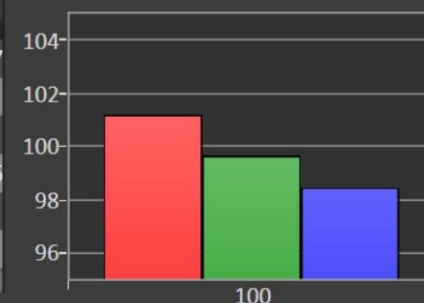
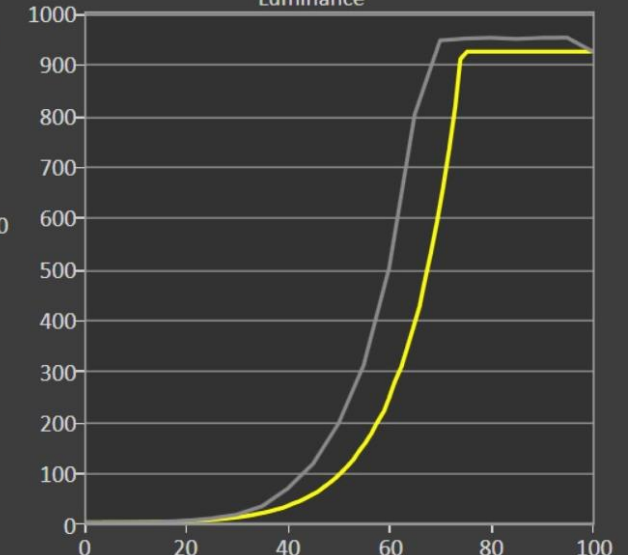
RGB Balance, with Luminance



EOTF



Luminance



Gray Scale: HDR 1000 Nits OSD Game Mode (AMD GPU)

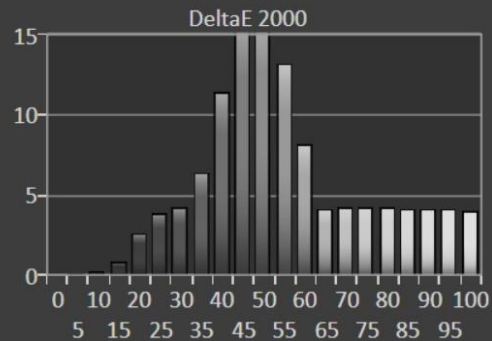
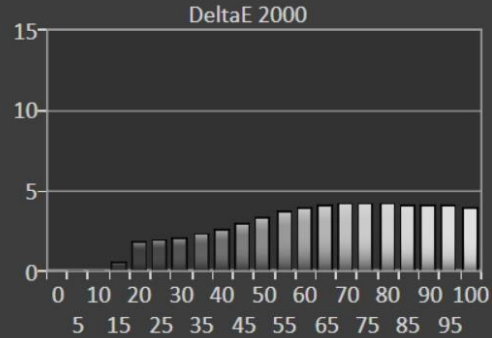
Philips EVNIA 34M2C8600 – 10% APL

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



Grayscale Tracking

dE Formula: 2000



Current Reading:

x: 0.3195

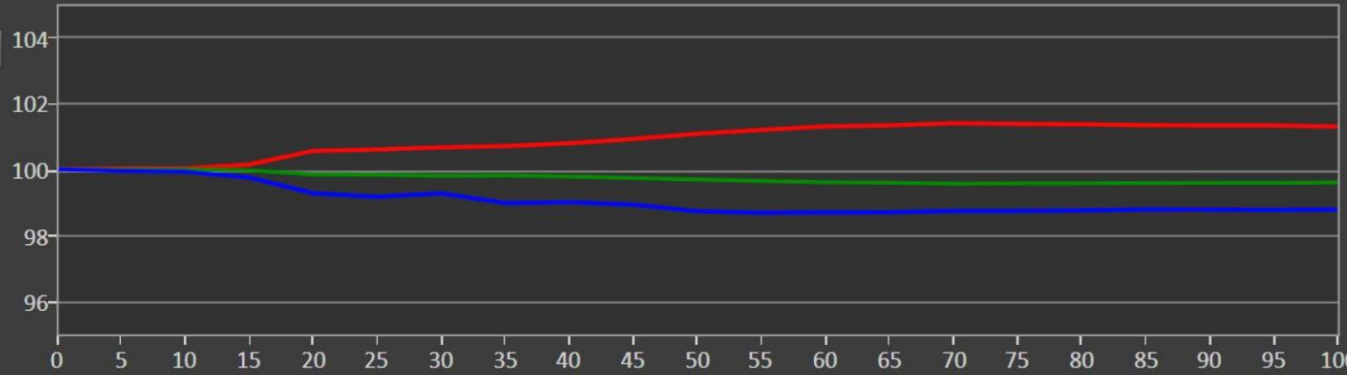
y: 0.331

fL: 126.398

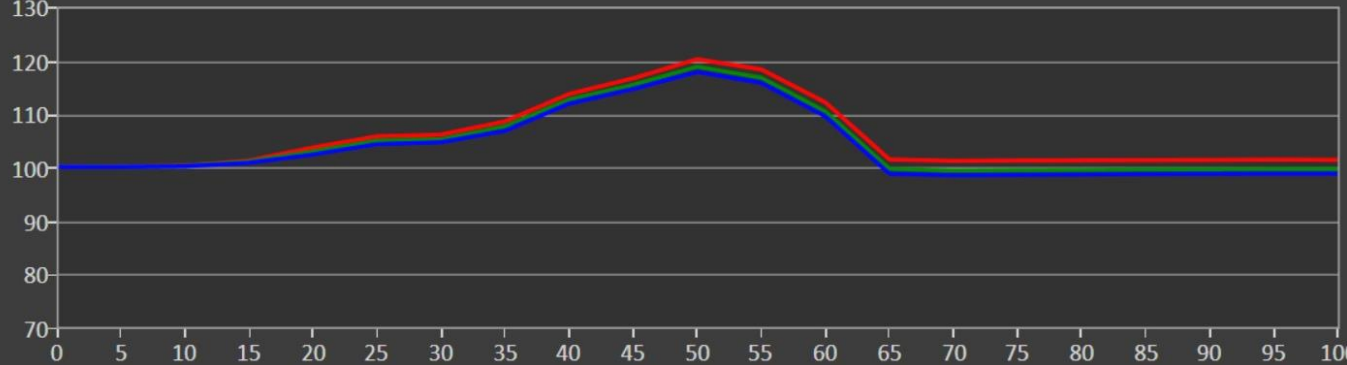
cd/m²: 433.073

	0	5	10	15	20	25	30	35	40	45	50
Y	0.001	0.084	0.429	1.458	3.878	8.833	15.385	30.905	65.232	113.645	194.15
x: CIE31	0.340	0.361	0.323	0.325	0.329	0.326	0.324	0.323	0.321	0.321	0.321
y: CIE31	0.347	0.356	0.338	0.337	0.337	0.336	0.333	0.335	0.333	0.332	0.332
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

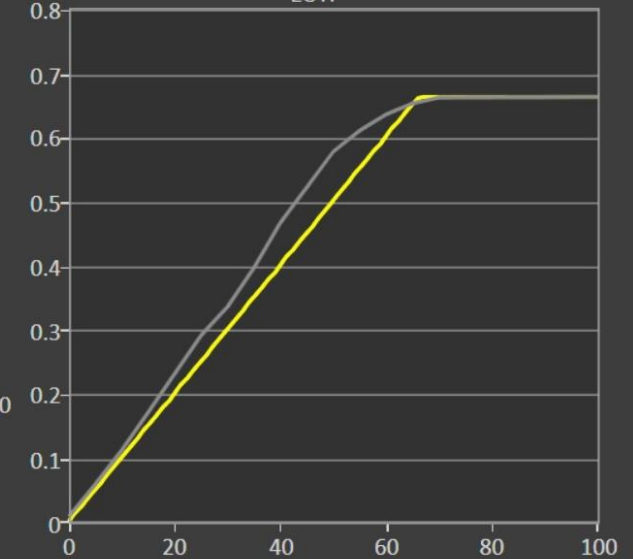
RGB Balance, without Luminance



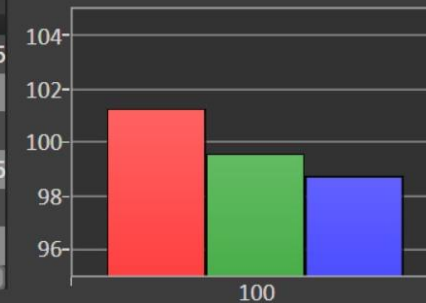
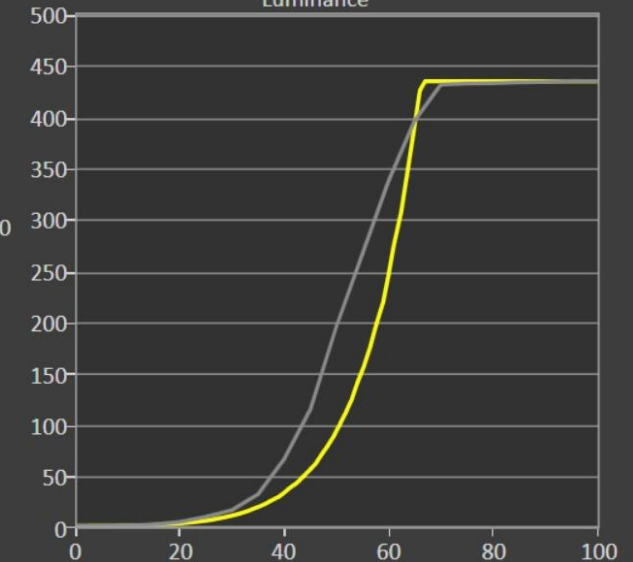
RGB Balance, with Luminance



EOTF



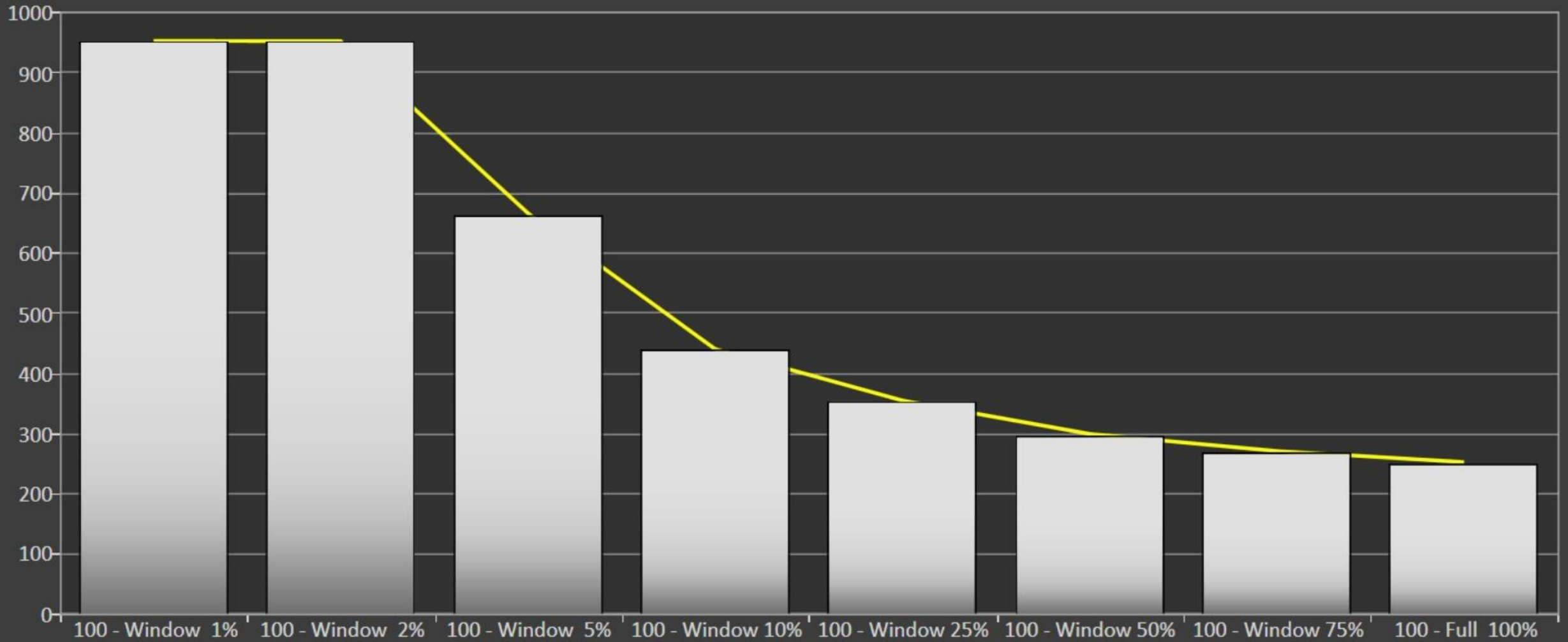
Luminance



Peak vs. Window Size: HDR 1000 Nits OSD Game Mode (AMD GPU)

Philips EVNIA 34M2C8600

Portrait Display Calman Ultimate



Peak Luminance: HDR 1000 Nits OSD Game Mode (AMD GPU)

Philips EVNIA 34M2C8600 – 2% APL

Portrait Display Calman Ultimate



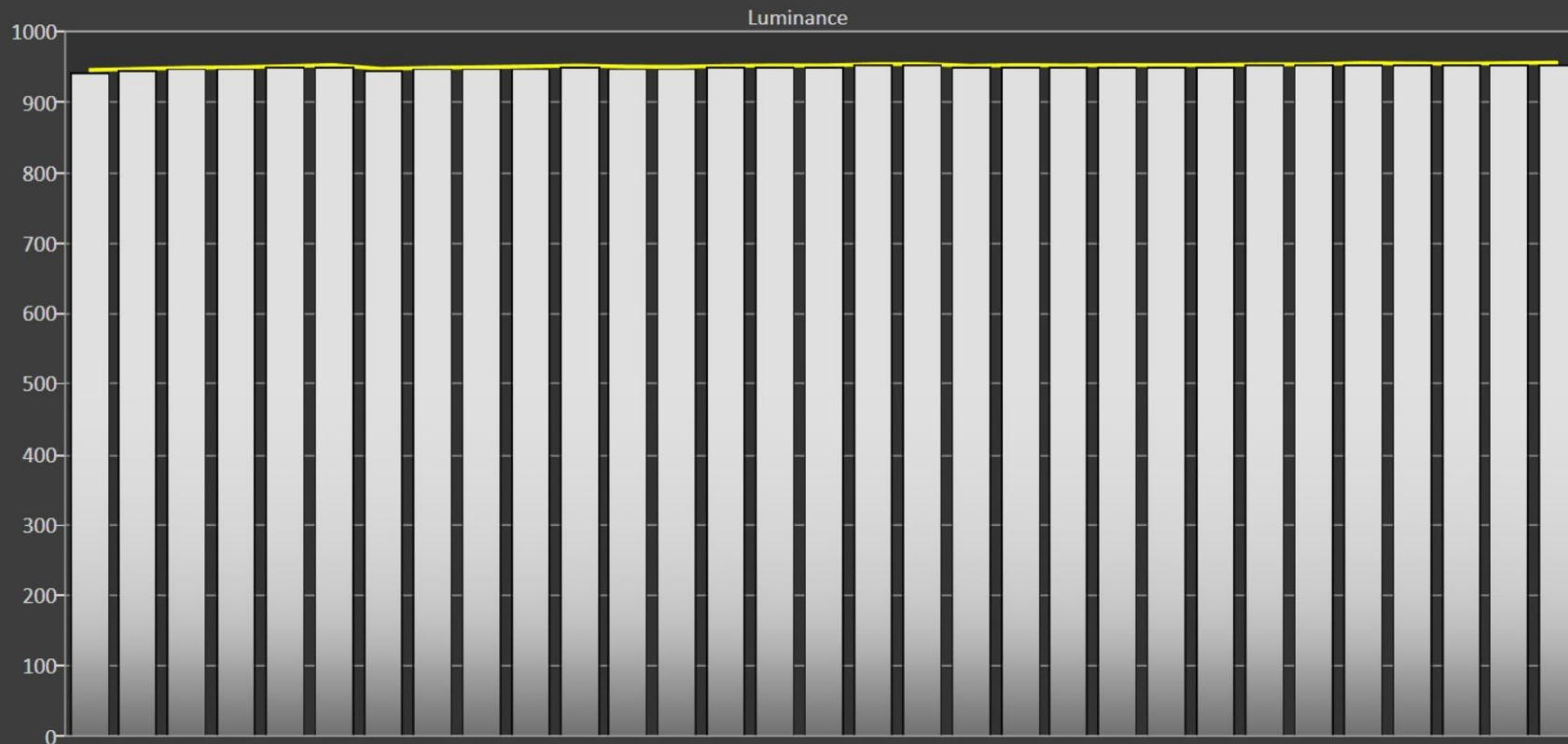
Peak Luminance Stability

The Peak Luminance Stability test makes repeated peak luminance measurements and continuously updates the charts with the 500 most recent measurements.

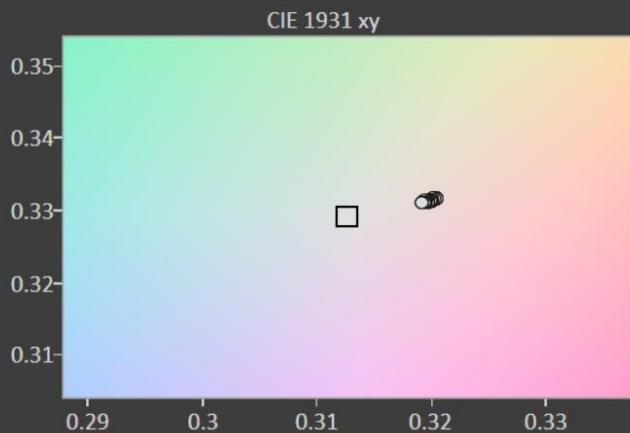
This test is intended for R&D and performance review testing; it is not recommended for personal use.

Click the "Run Test" button to start the test.

Caution: This test may cause image retention on certain display technologies. Use at your own risk. Portrait Displays Inc., assumes no responsibility for any display damage resulting from the use of this test.



White Level: 954.22 Nits



Run Test

Stop Test

ColorMatch HDR: HDR 1000 Nits OSD Game Mode (AMD GPU)

Philips EVNIA 34M2C8600 – 10% APL

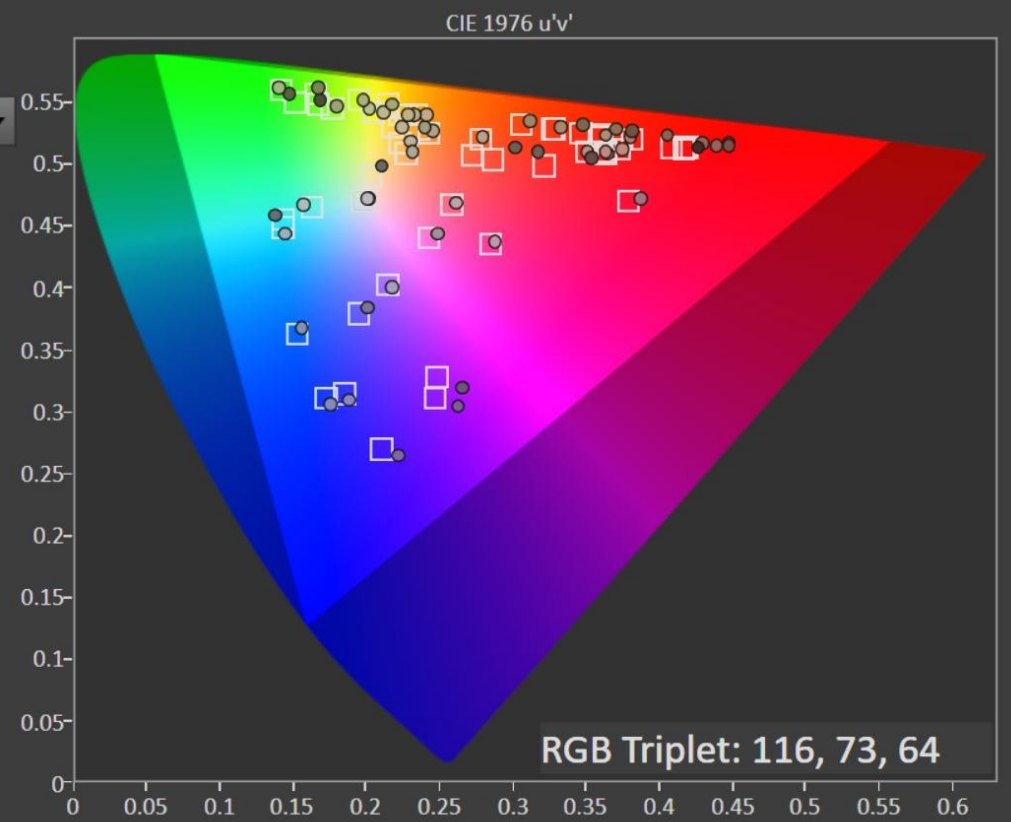
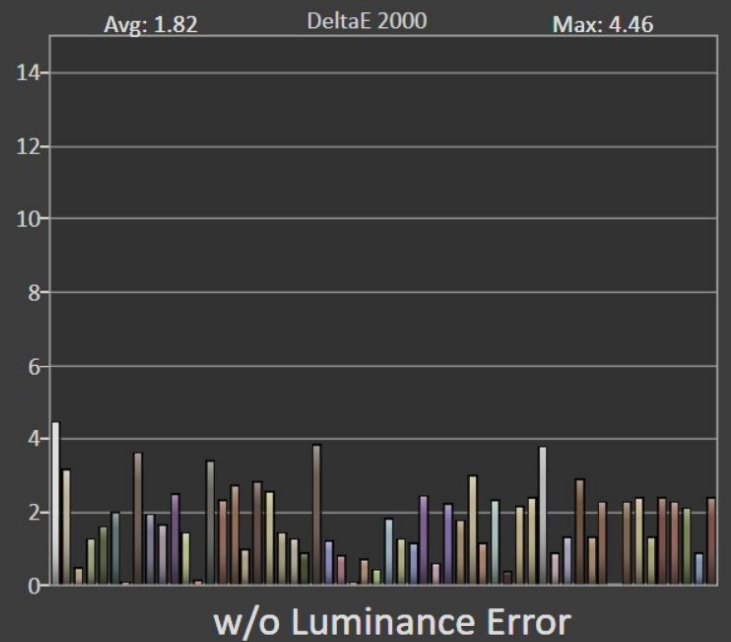
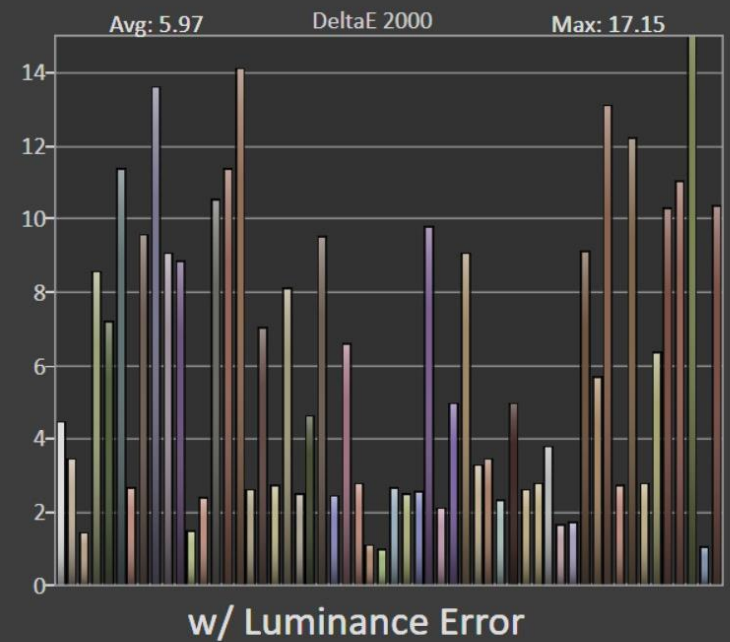
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0



ColorMatch HDR

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

dE Formula:



	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	0.3203	0.4043	0.4684	0.3708	0.3295	0.2251	0.5387	0.4944	0.2542	0.3491	0.2808	0.4029	0.5288	0.3566	0.6106	0.5739	0.4353	0.5244	0.4114	0.4325	0.3961	0.361
y: CIE31	0.3310	0.4022	0.3877	0.4962	0.5516	0.3297	0.3327	0.3510	0.2145	0.2749	0.1493	0.4786	0.3401	0.3742	0.3251	0.3627	0.4116	0.3310	0.4664	0.4223	0.3872	0.521
Y	432.8846	340.0646	250.4376	290.3506	28.8805	62.1129	165.6426	37.9040	95.0870	209.5497	34.2869	402.7568	175.7887	51.2613	89.1636	98.2232	270.6542	18.2646	395.5248	249.2071	301.9555	11.00
Target x:CIE31	0.3127	0.3943	0.4664	0.3646	0.3302	0.2314	0.5377	0.4533	0.2465	0.3398	0.2708	0.4030	0.5284	0.3383	0.5861	0.5548	0.4296	0.4842	0.4015	0.4252	0.3902	0.352
Target y:CIE31	0.3290	0.4039	0.3860	0.4953	0.5268	0.3238	0.3327	0.3526	0.2114	0.2720	0.1576	0.4696	0.3396	0.3594	0.3261	0.3579	0.4109	0.3329	0.4673	0.4217	0.3860	0.511
Target Y	432.8846	362.6673	267.0059	200.4066	16.5971	31.7532	186.5983	20.6497	49.6300	141.8199	18.5495	412.7942	195.2913	26.0490	54.1003	52.9620	244.6872	10.4355	413.0171	176.4796	276.1415	6.884
dE ICTcp_240	1.6113	2.6295	1.6828	9.4969	12.3166	15.2635	2.9688	16.3391	15.3941	9.9907	15.3312	1.7558	2.6435	15.3392	14.4871	16.0276	2.8441	14.9143	2.1792	8.8673	2.5840	9.130

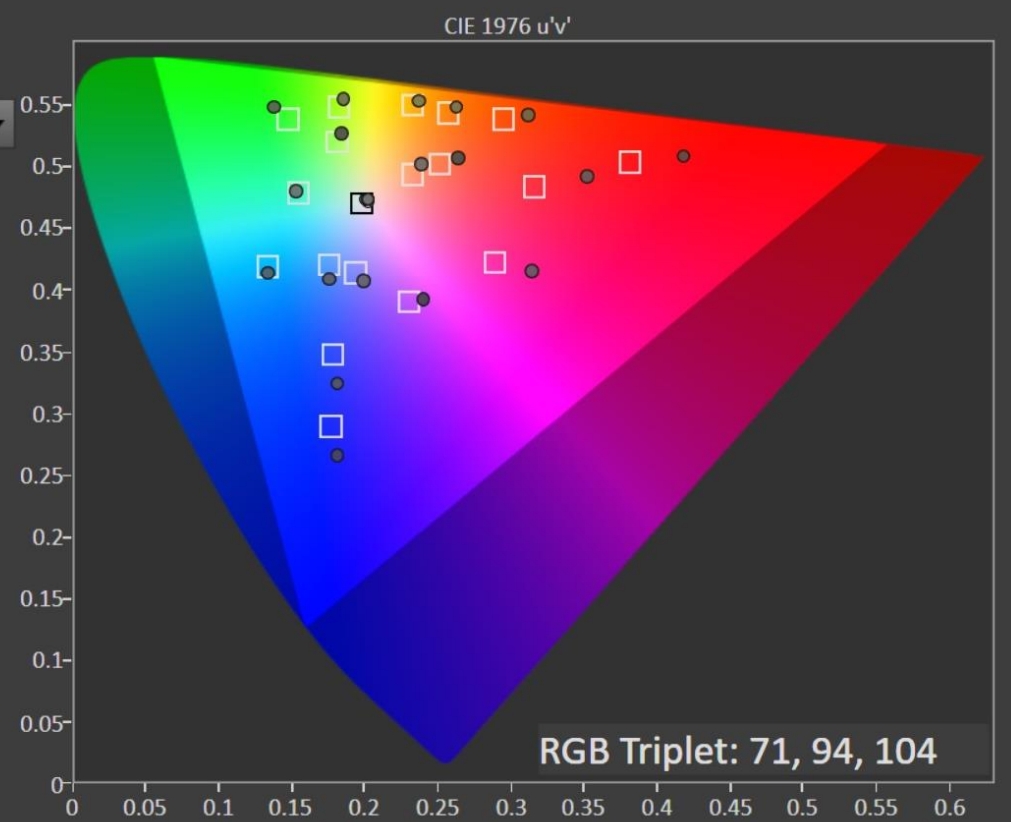
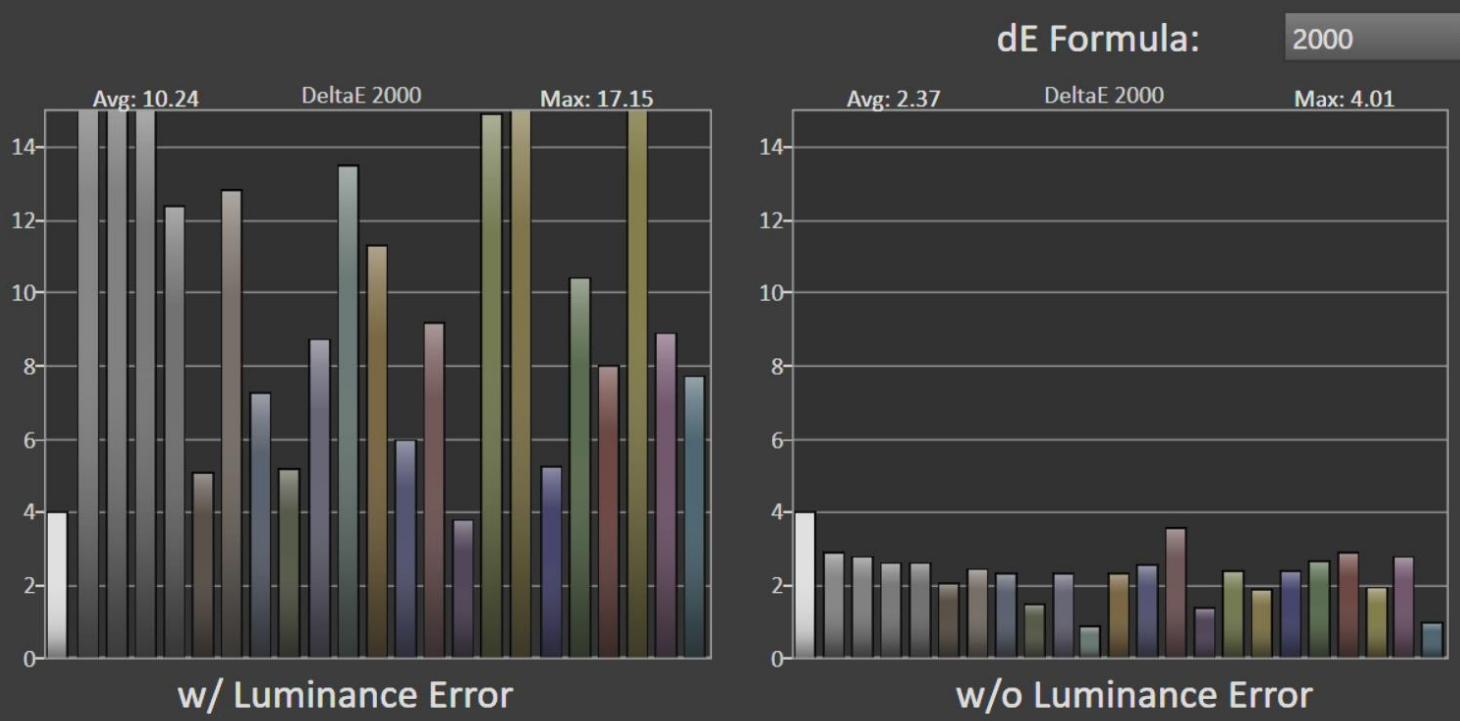
ColorChecker: HDR 1000 Nits OSD Game Mode (AMD GPU)

Philips EVNIA 34M2C8600 – 10% APL

Portrait Display Calman Ultimate | Target Avg. DeltaE < 2



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
x: CIE31	0.3197	0.3202	0.3203	0.3204	0.3209	0.4301	0.3946	0.2417	0.3503	0.2672	0.2621	0.5345	0.2061	0.5041	0.3000	0.3894	0.4887	0.1837	0.3040	0.5883
y: CIE31	0.3312	0.3325	0.3323	0.3322	0.3318	0.3658	0.3660	0.2483	0.4446	0.2412	0.3629	0.4108	0.1620	0.3117	0.2163	0.5164	0.4521	0.1190	0.5344	0.3168
Y	431.8889	167.1169	135.8301	101.6474	72.2695	15.2918	71.9827	32.6825	20.9709	42.4903	85.8693	56.1019	18.6301	33.9245	9.7881	89.9119	91.5920	9.8012	45.5346	21.455
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
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
Target Y	431.8889	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	11.490
dE_ICtCp_240	1.4637	17.8670	17.4563	16.9928	16.4099	9.8705	16.5256	12.1260	9.7441	13.4034	15.9278	16.7484	10.8423	17.0762	8.1818	17.2989	17.9160	10.2136	15.3111	17.596

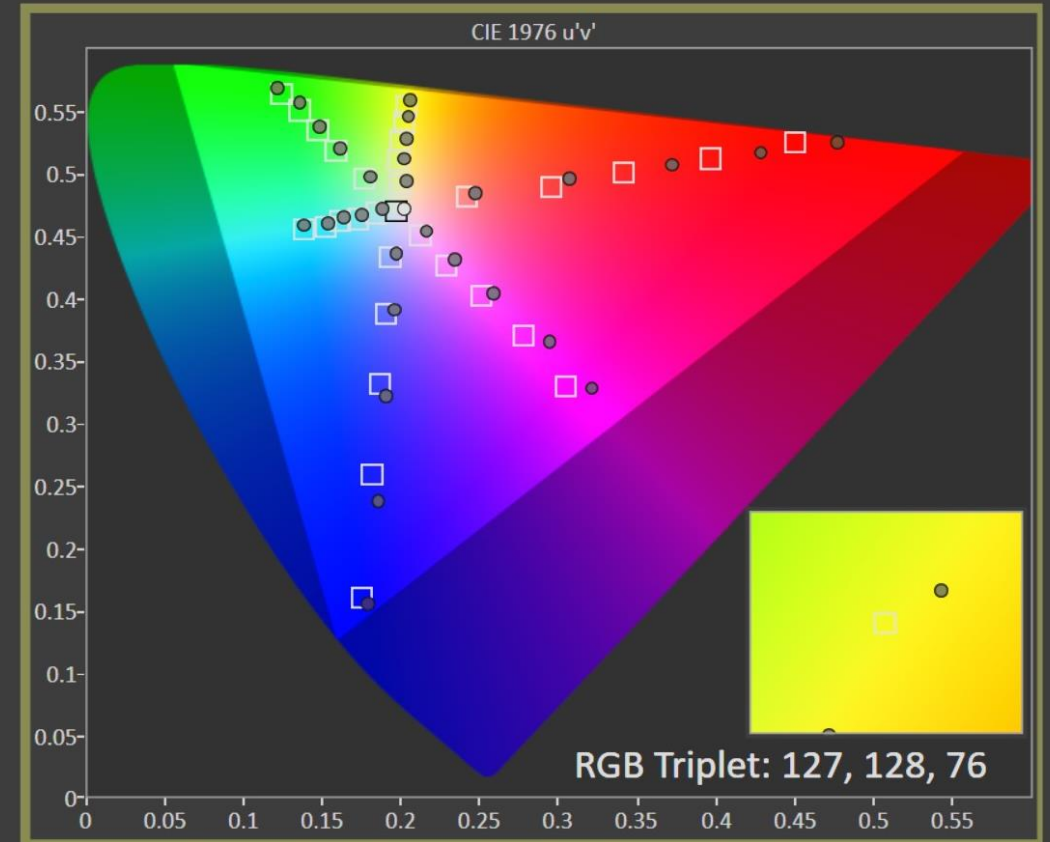
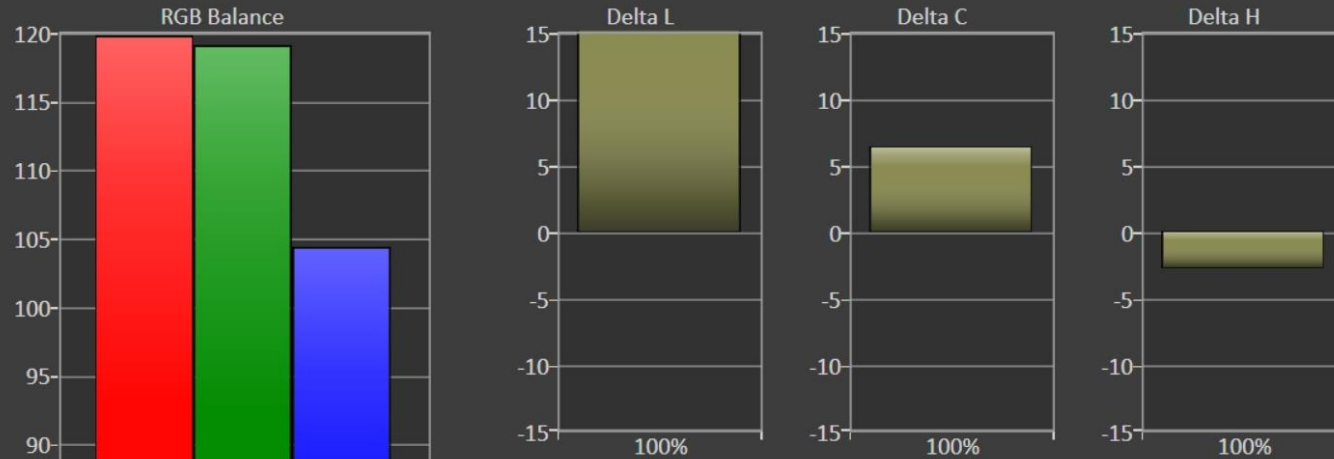
Saturation: HDR 1000 Nits OSD Game Mode (AMD GPU)

Philips EVNIA 34M2C8600 – 10% APL

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

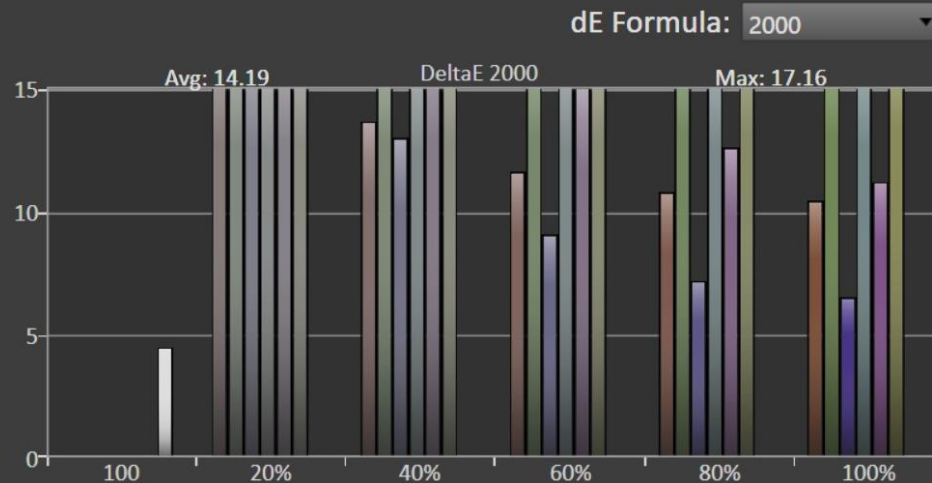


BT.709 Saturation Sweeps inside BT.2020



Current Reading

x: 0.4291
y: 0.5134
fL: 53.499
cd/m²: 183.303



	20%	40%	60%	80%	100%
x: CIE31	0.3438	0.3611	0.3825	0.4083	0.4291
y: CIE31	0.3689	0.4044	0.4393	0.4807	0.5134
Y	191.0518	187.0834	185.9937	184.4519	183.303
Target x:CIE31	0.3364	0.3534	0.3752	0.3969	0.4186
Target y:CIE31	0.3659	0.4019	0.4367	0.4714	0.5061
Target Y	92.5569	90.4758	89.5525	88.7828	88.0615

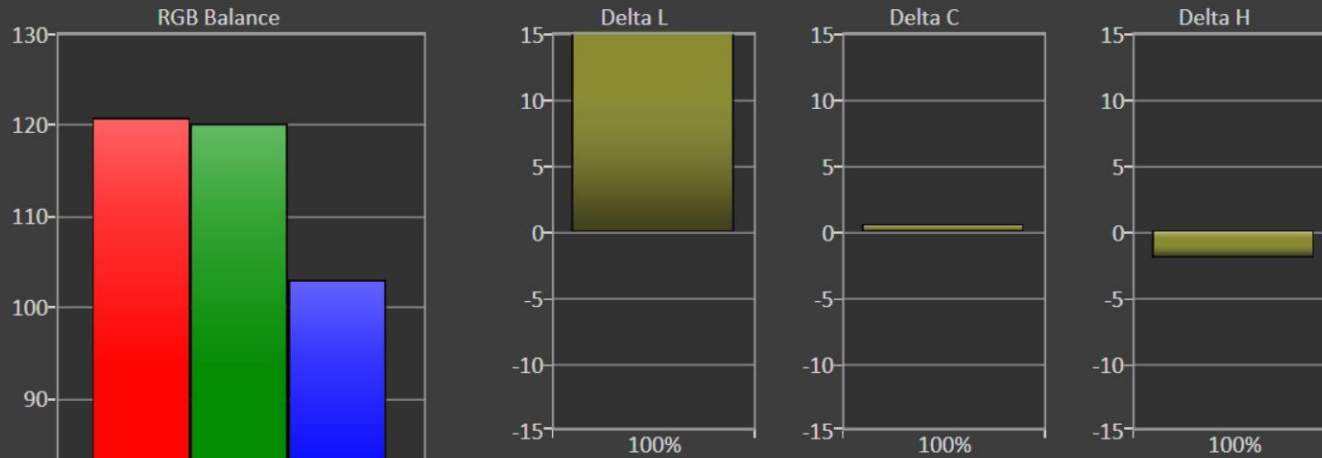
Saturation: HDR 1000 Nits OSD Game Mode (AMD GPU)

Philips EVNIA 34M2C8600 – 10% APL

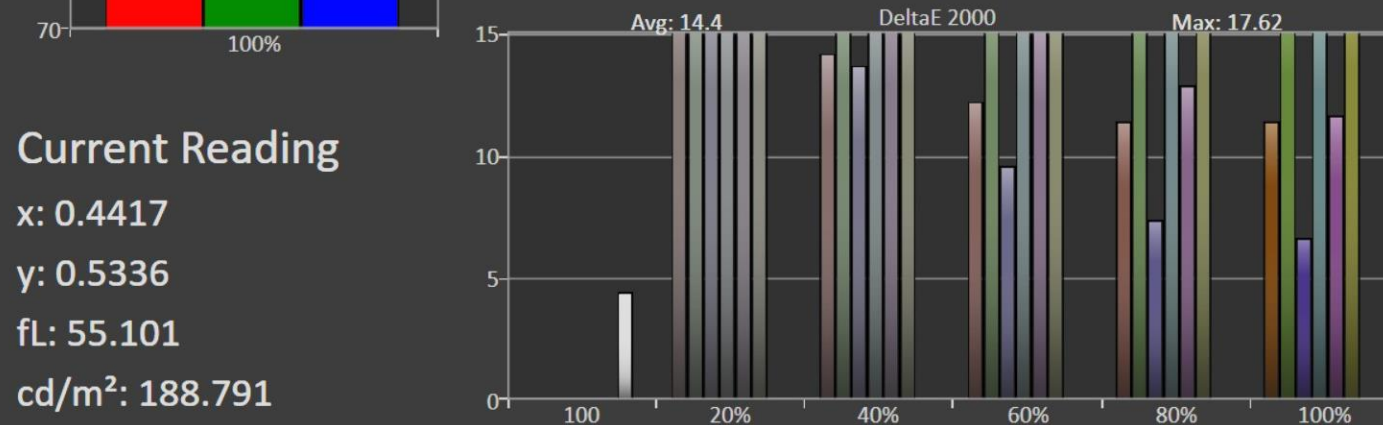
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0



P3 Saturation Sweeps inside BT.2020

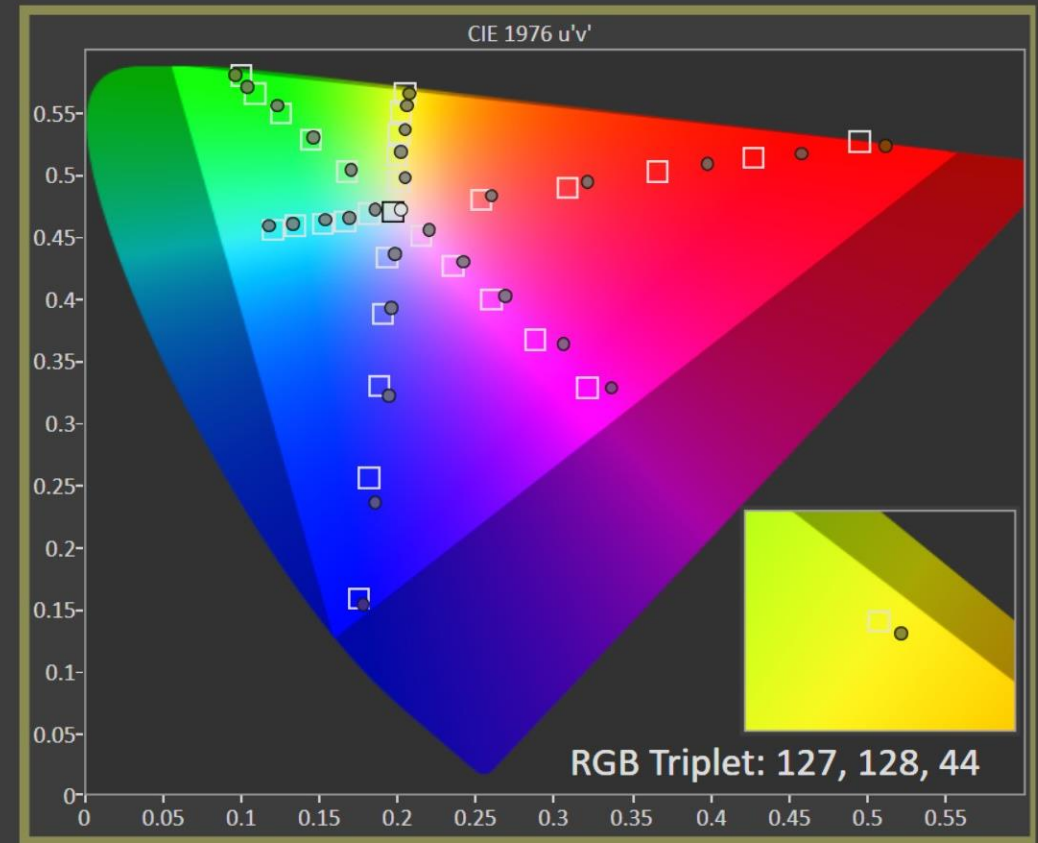


dE Formula: 2000



Current Reading

x: 0.4417
y: 0.5336
fL: 55.101
cd/m²: 188.791



	20%	40%	60%	80%	100%
x: CIE31	0.3470	0.3687	0.3945	0.4238	0.4417
y: CIE31	0.3734	0.4166	0.4582	0.5045	0.5336
Y	190.7056	187.0728	184.7037	183.1981	188.791
Target x:CIE31	0.3393	0.3611	0.3858	0.4118	0.4417
Target y:CIE31	0.3704	0.4141	0.4536	0.4953	0.5336
Target Y	92.3968	90.1324	89.1615	88.3224	87.1

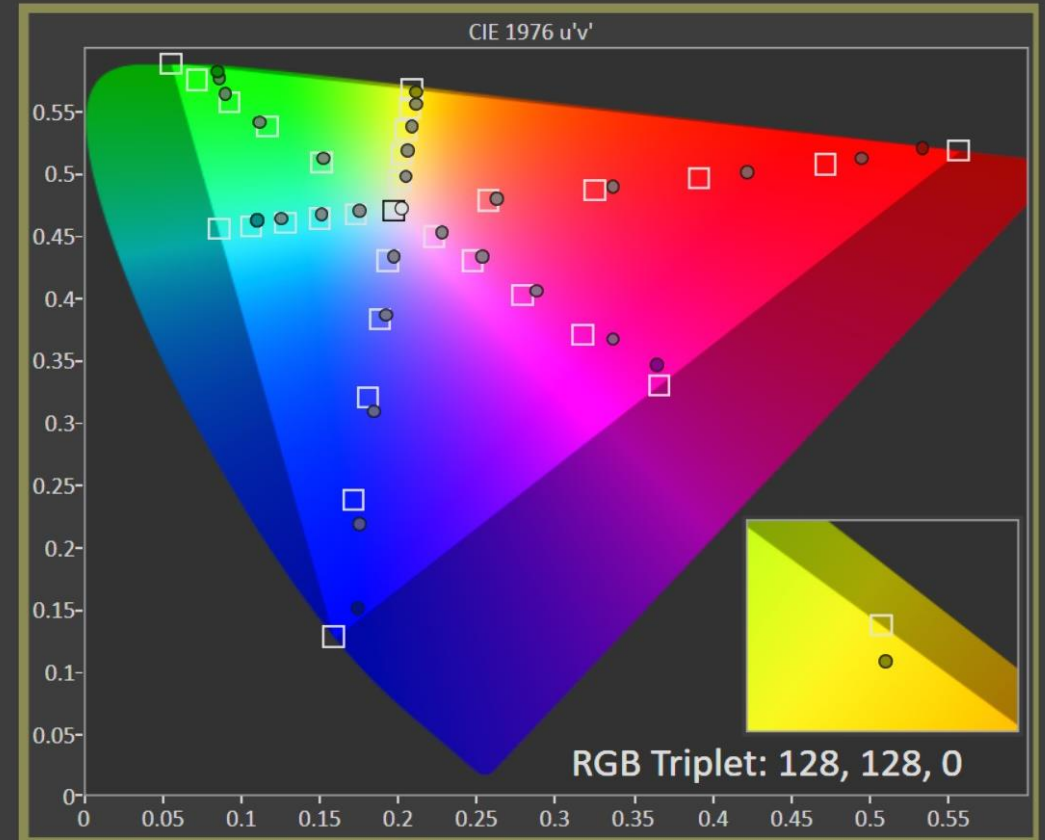
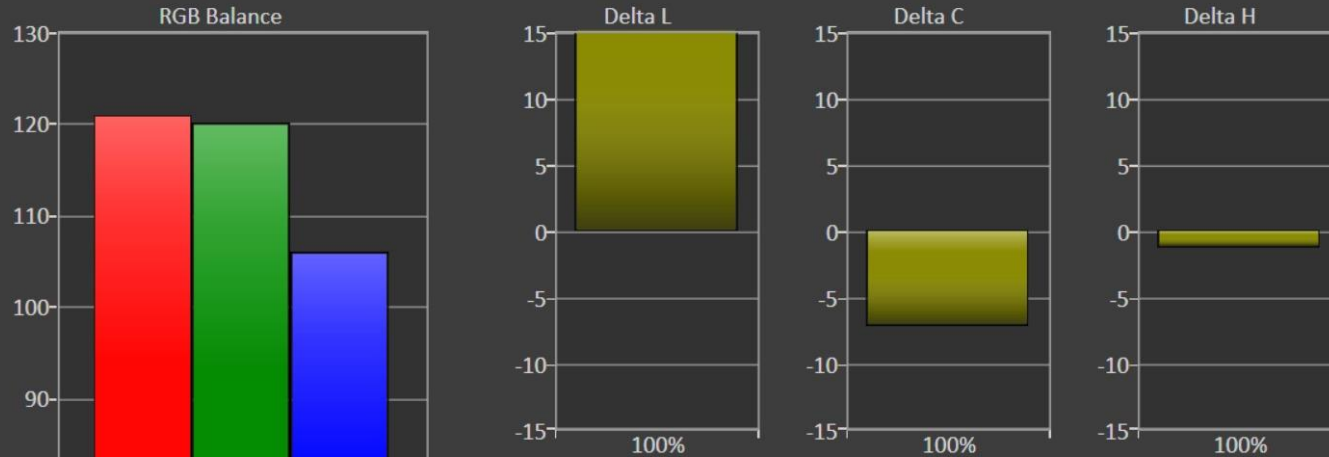
Saturation: HDR 1000 Nits OSD Game Mode (AMD GPU)

Philips EVNIA 34M2C8600 – 10% APL

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

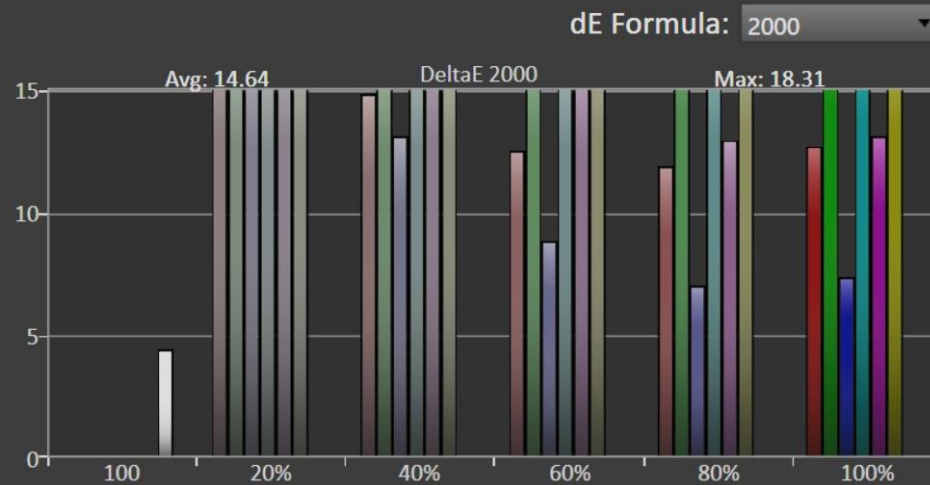


BT.2020 Saturation Sweeps



Current Reading

x: 0.4472
y: 0.5289
fL: 55.575
cd/m²: 190.415



	20%	40%	60%	80%	100%
x: CIE31	0.3469	0.3735	0.4028	0.4311	0.4472
y: CIE31	0.3732	0.4148	0.4600	0.5034	0.5289
Y	191.5077	189.0309	187.6305	185.5124	190.415
Target x:CIE31	0.3393	0.3662	0.3930	0.4196	0.4472
Target y:CIE31	0.3704	0.4123	0.4540	0.4955	0.5289
Target Y	92.3968	91.0846	90.0442	89.2031	88.0