

Gray Scale: Console HDR (Uniform Brightness on, Peak Brightness 90)

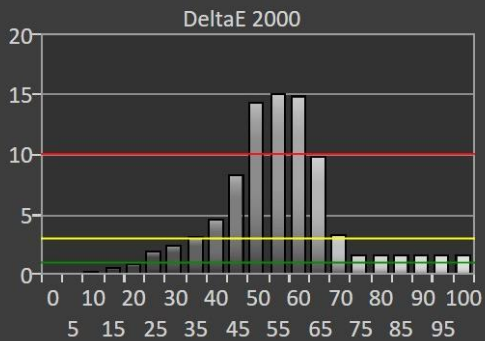
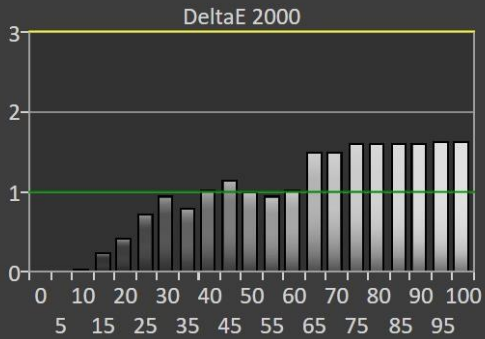
ASUS ROG Swift PG34WCDM – 10% APL

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



Grayscale Tracking

dE Formula: 2000



Current Reading:

x: 0.3096

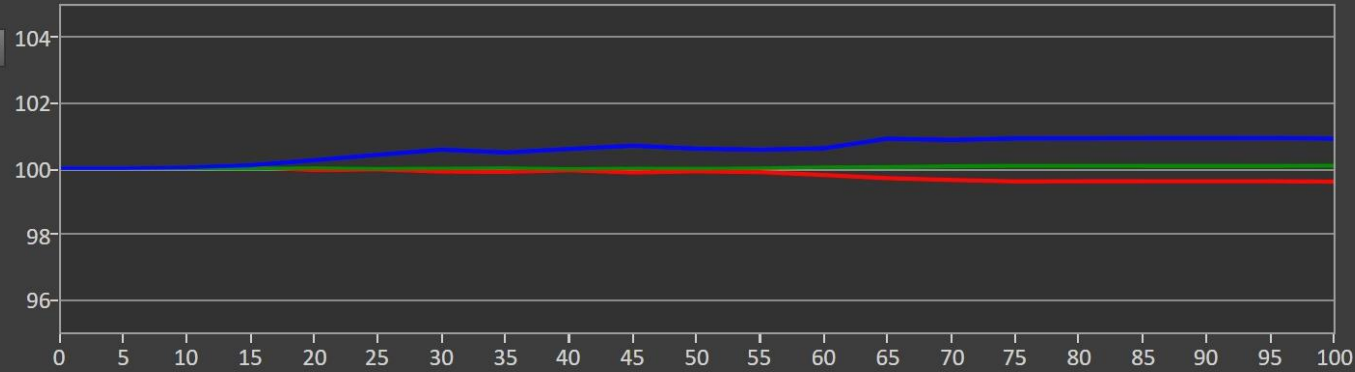
y: 0.3266

fL: 128.359

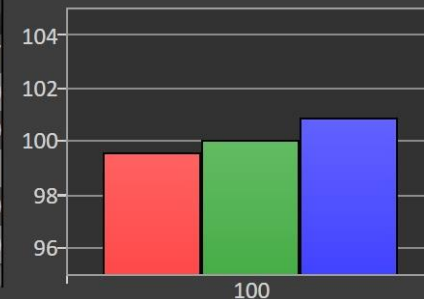
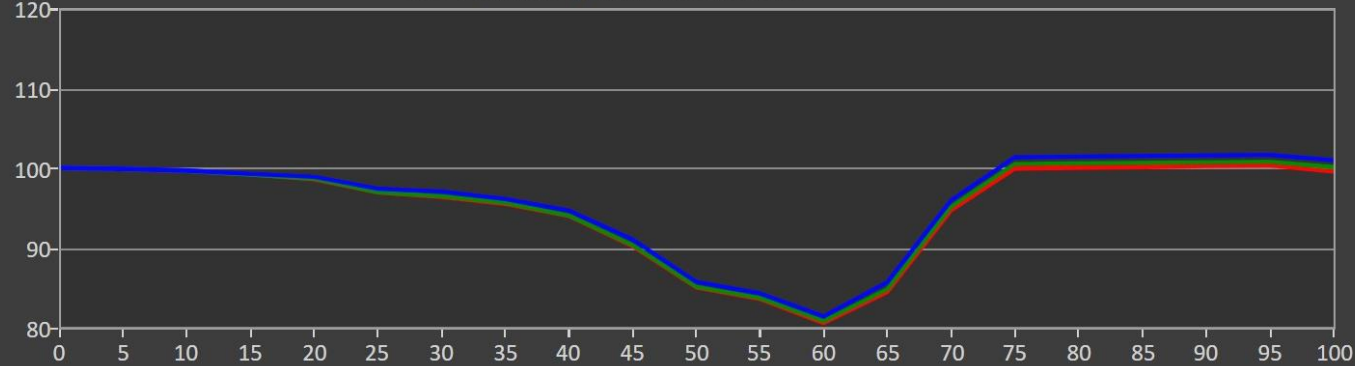
cd/m²: 439.791

	0	5	10	15	20	25	30	35	40	45	50
Y	0.000	0.000	0.165	0.589	1.782	3.639	6.965	12.913	21.985	32.520	45.642
x: CIE31	0.333	0.333	0.309	0.309	0.305	0.308	0.307	0.308	0.309	0.308	0.310
y: CIE31	0.333	0.333	0.321	0.318	0.321	0.322	0.322	0.324	0.324	0.324	0.325
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

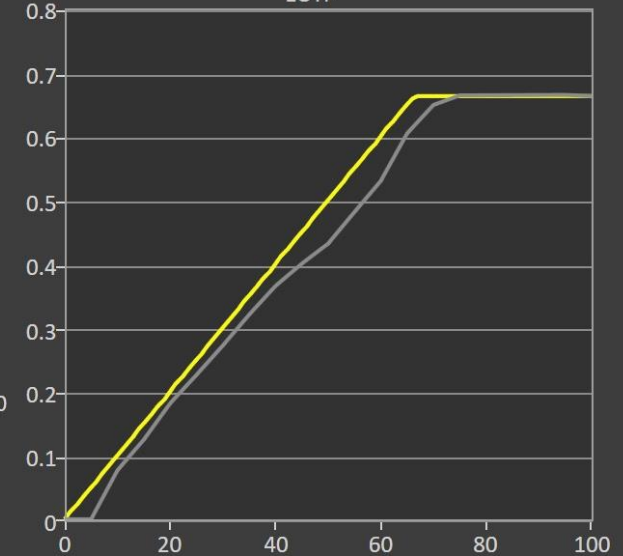
RGB Balance, without Luminance



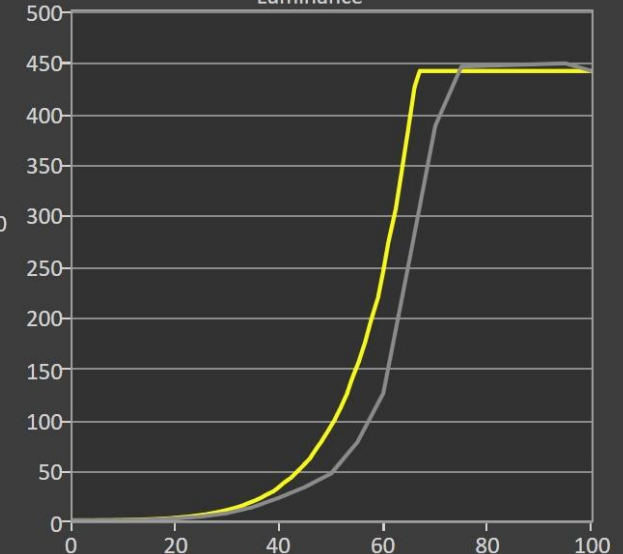
RGB Balance, with Luminance



EOTF



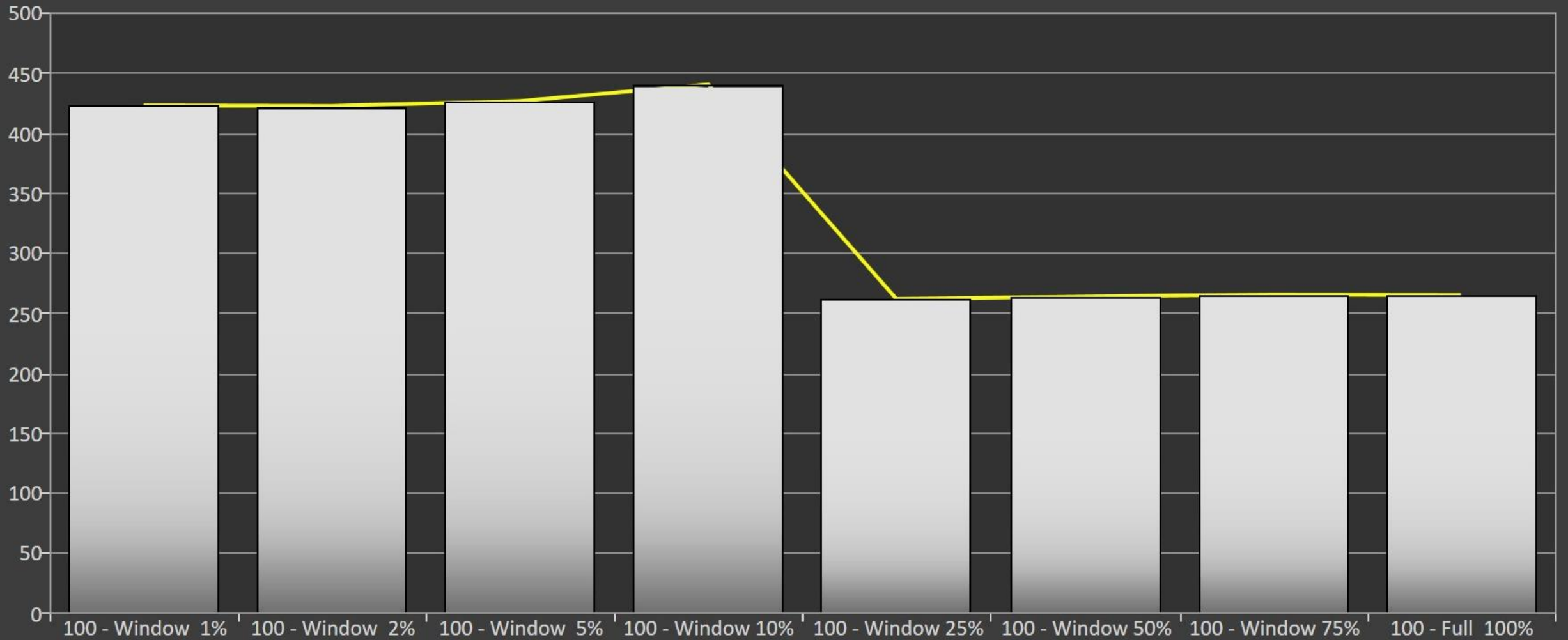
Luminance



Peak vs. Window Size: Console HDR (Uniform Brightness on, Peak Brightness 90)

ASUS ROG Swift PG34WCDM

Portrait Display Calman Ultimate



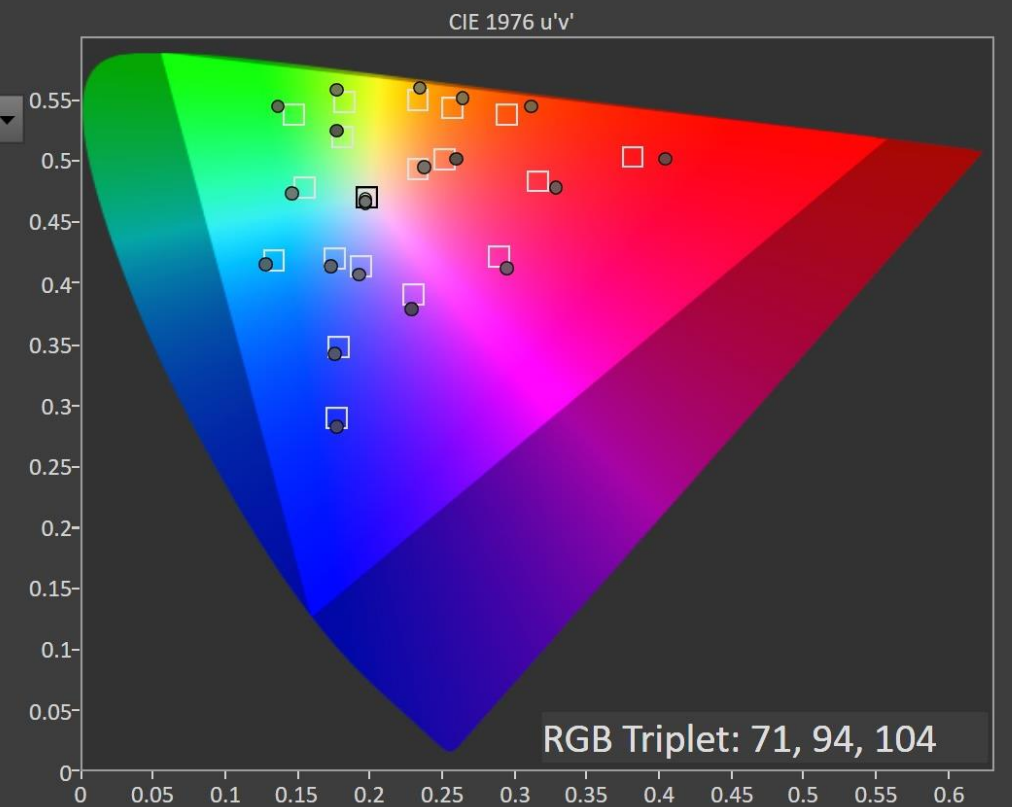
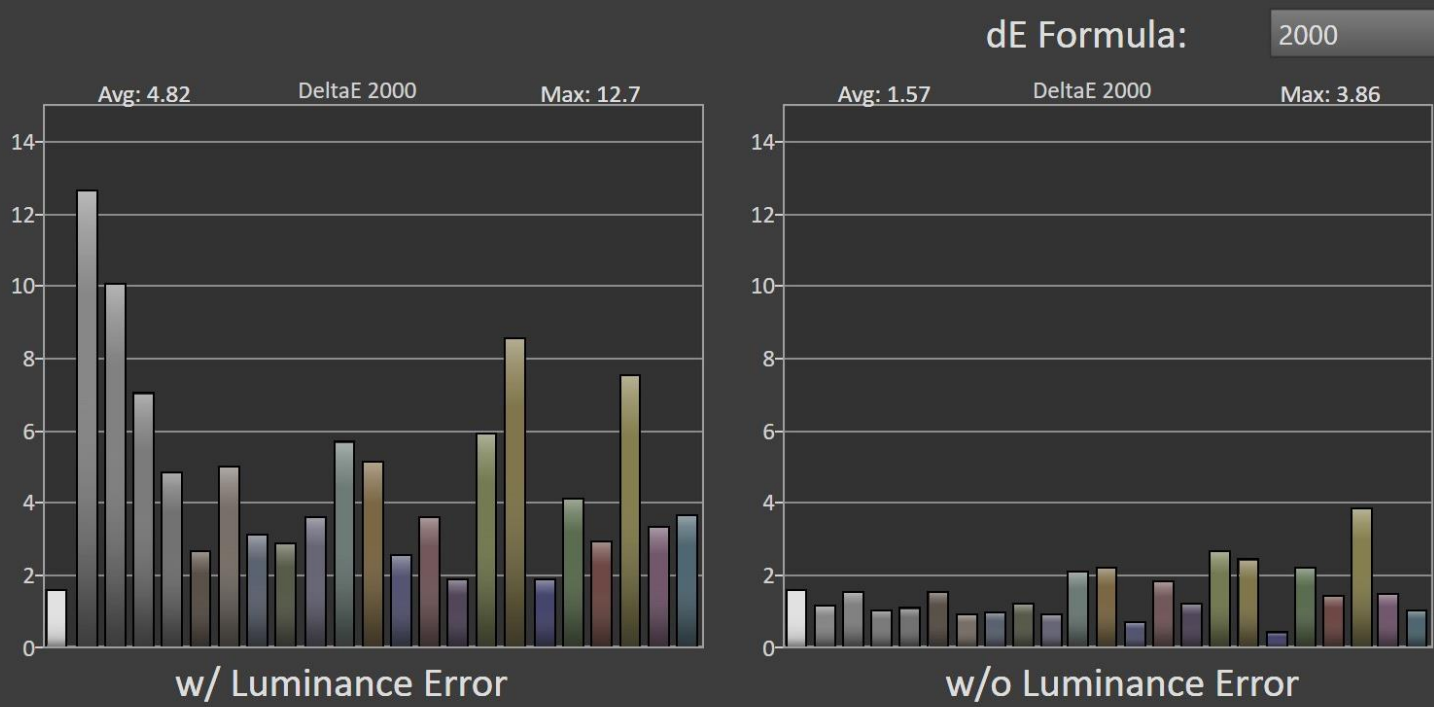
ColorChecker: Console HDR (Uniform Brightness on, Peak Brightness 90)

ASUS ROG Swift PG34WCDM – 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	0.3096	0.3085	0.3070	0.3088	0.3090	0.4210	0.3863	0.2412	0.3390	0.2604	0.2477	0.5418	0.2082	0.4649	0.2811	0.3838	0.4974	0.1859	0.2977	0.5657	0.4183
y: CIE31	0.3266	0.3241	0.3222	0.3241	0.3237	0.3588	0.3570	0.2552	0.4434	0.2434	0.3546	0.4192	0.1790	0.2995	0.2049	0.5336	0.4596	0.1313	0.5268	0.3101	0.4183
Y	440.4457	39.6870	35.6276	30.2931	23.9804	6.5994	23.4590	13.3478	8.9887	16.2824	28.5461	17.7791	8.1988	12.7454	4.7315	28.7356	22.6893	4.5044	15.6908	7.7836	37.5653
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	0.4183
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	0.4183
Target Y	440.4457	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	0.6243	16.2485	13.9516	10.9103	8.3969	7.0294	8.8864	7.0057	7.3294	7.4192	9.4000	10.9444	6.4540	7.7128	5.5274	10.2464	14.9145	5.1602	8.8085	7.7405	12.1212

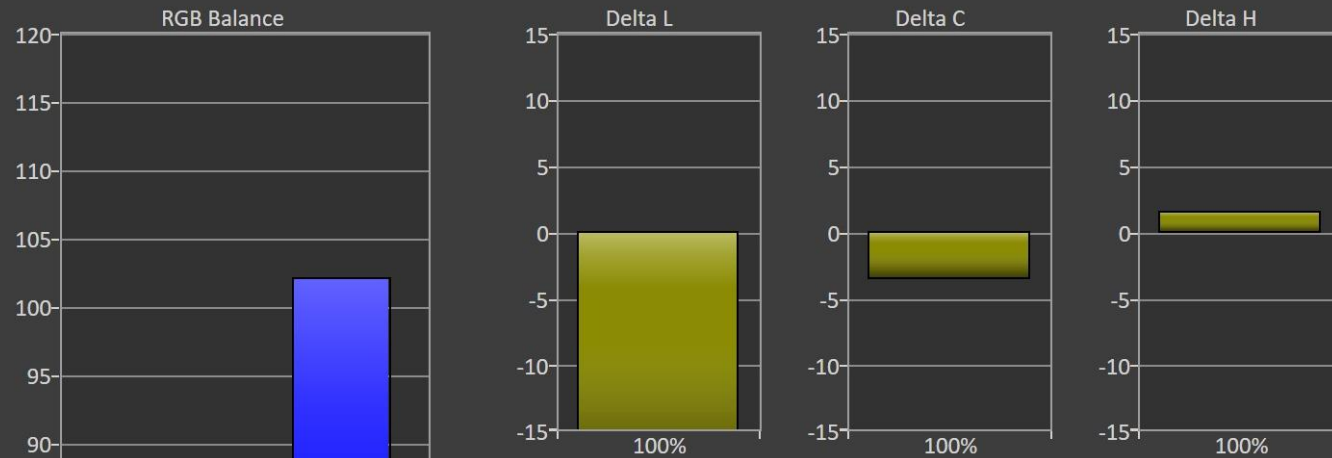
Saturation: Console HDR (Uniform Brightness on, Peak Brightness 90)

ASUS ROG Swift PG34WCDM – 10% APL

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



BT.2020 Saturation Sweeps



dE Formula: 2000

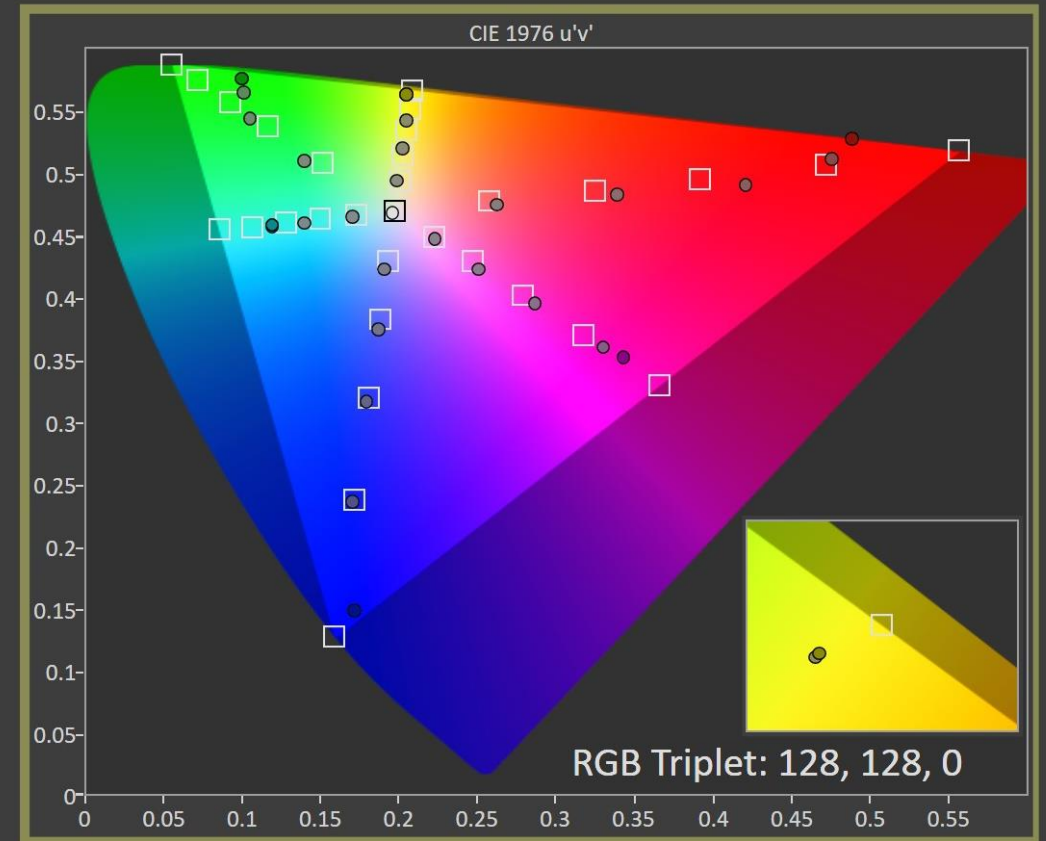
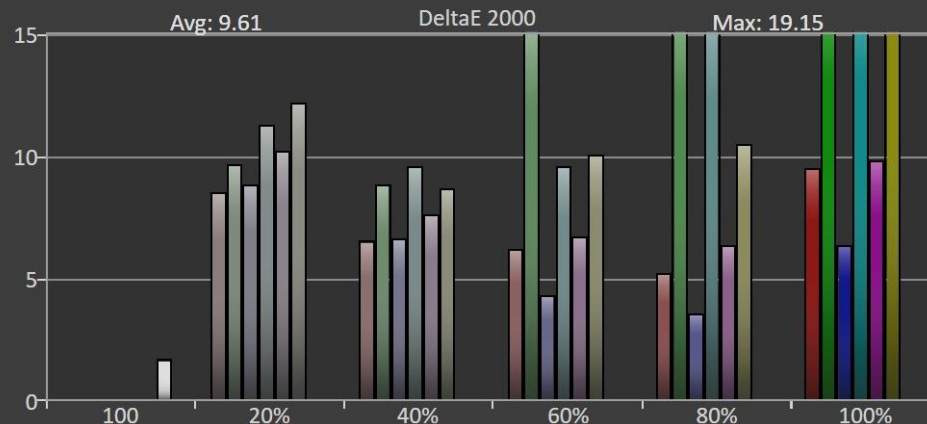
Current Reading

x: 0.4352

y: 0.5309

fL: 9.598

cd/m²: 32.886



	20%	40%	60%	80%	100%
x: CIE31	0.3359	0.3711	0.4024	0.4342	0.4352
y: CIE31	0.3712	0.4220	0.4729	0.5299	0.5309
Y	51.0537	60.7202	55.4076	53.7247	32.8864
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

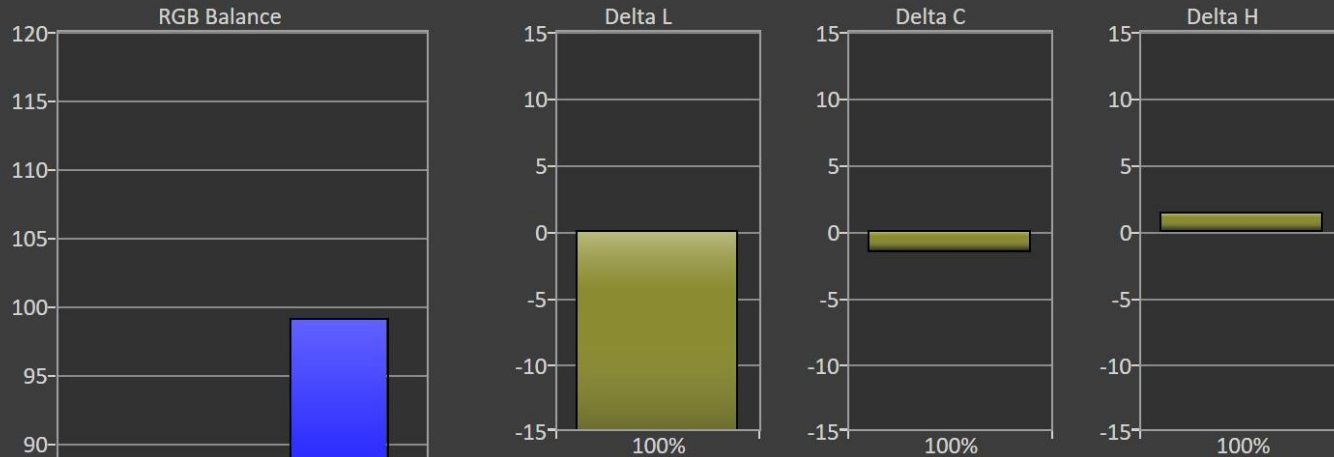
Saturation: Console HDR (Uniform Brightness on, Peak Brightness 90)

ASUS ROG Swift PG34WCDM – 10% APL

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



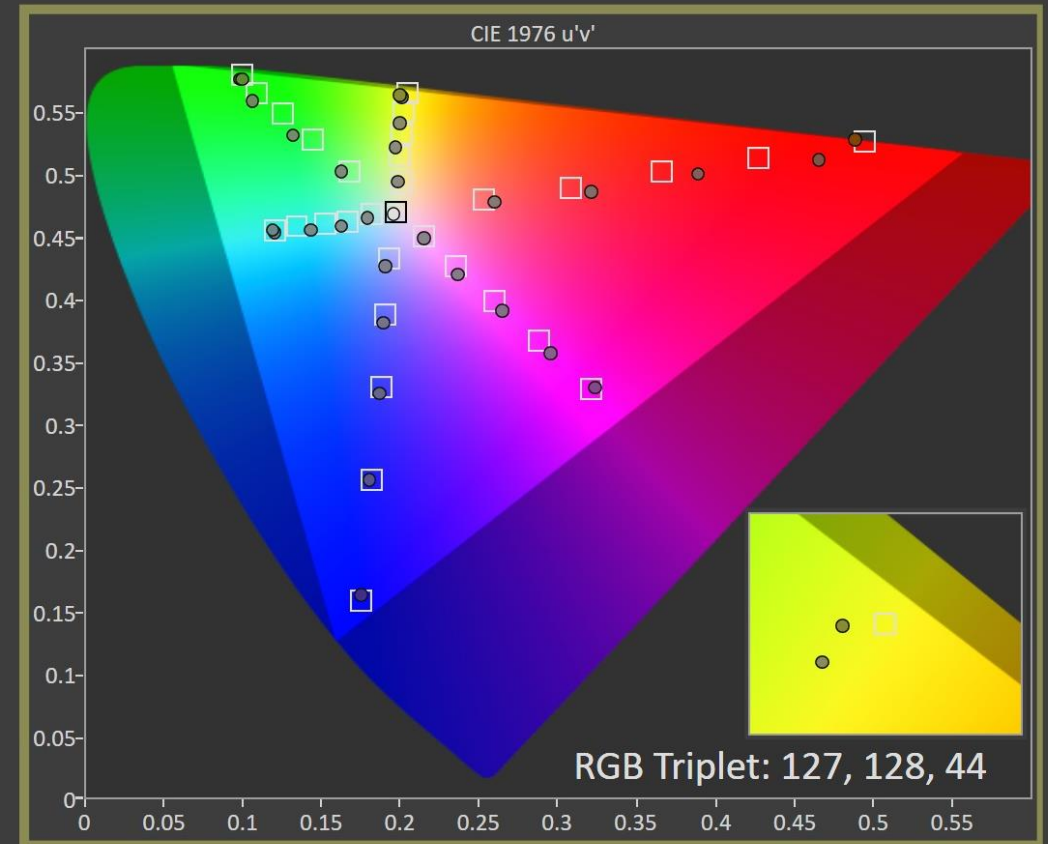
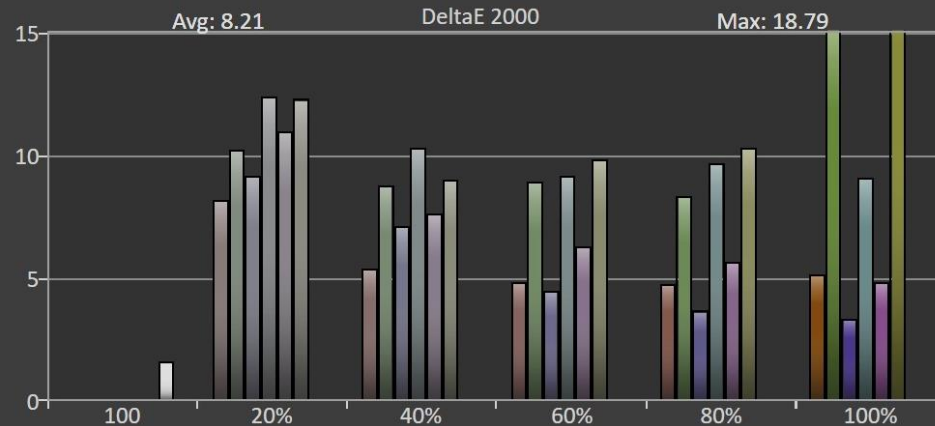
P3 Saturation Sweeps inside BT.2020



dE Formula: 2000

Current Reading

x: 0.4296
y: 0.5356
fL: 9.47
cd/m²: 32.446



	20%	40%	60%	80%	100%
x: CIE31	0.3360	0.3640	0.3929	0.4259	0.4296
y: CIE31	0.3712	0.4263	0.4723	0.5277	0.5356
Y	51.0123	59.1720	55.5148	53.6018	32.4458
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

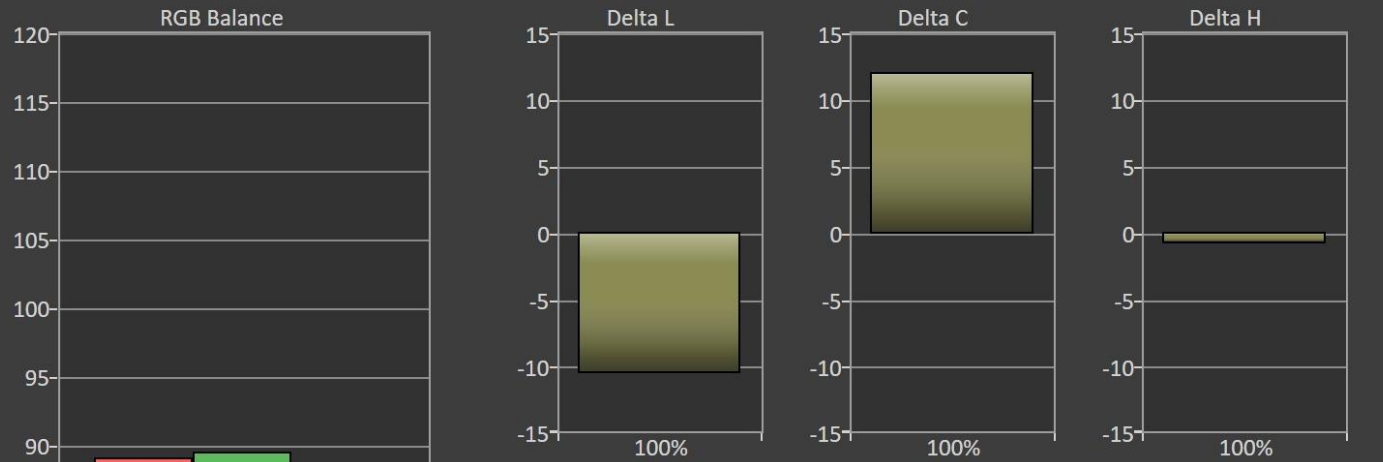
Saturation: Console HDR (Uniform Brightness on, Peak Brightness 90)

ASUS ROG Swift PG34WCDM – 10% APL

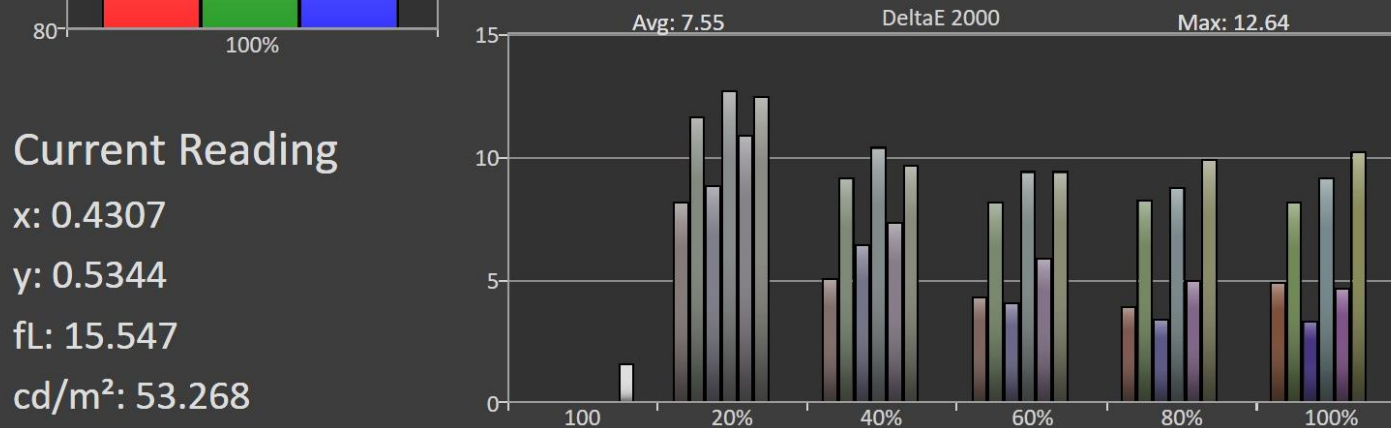
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0 | Max. DeltaE < 4.5



BT.709 Saturation Sweeps inside BT.2020



dE Formula: 2000



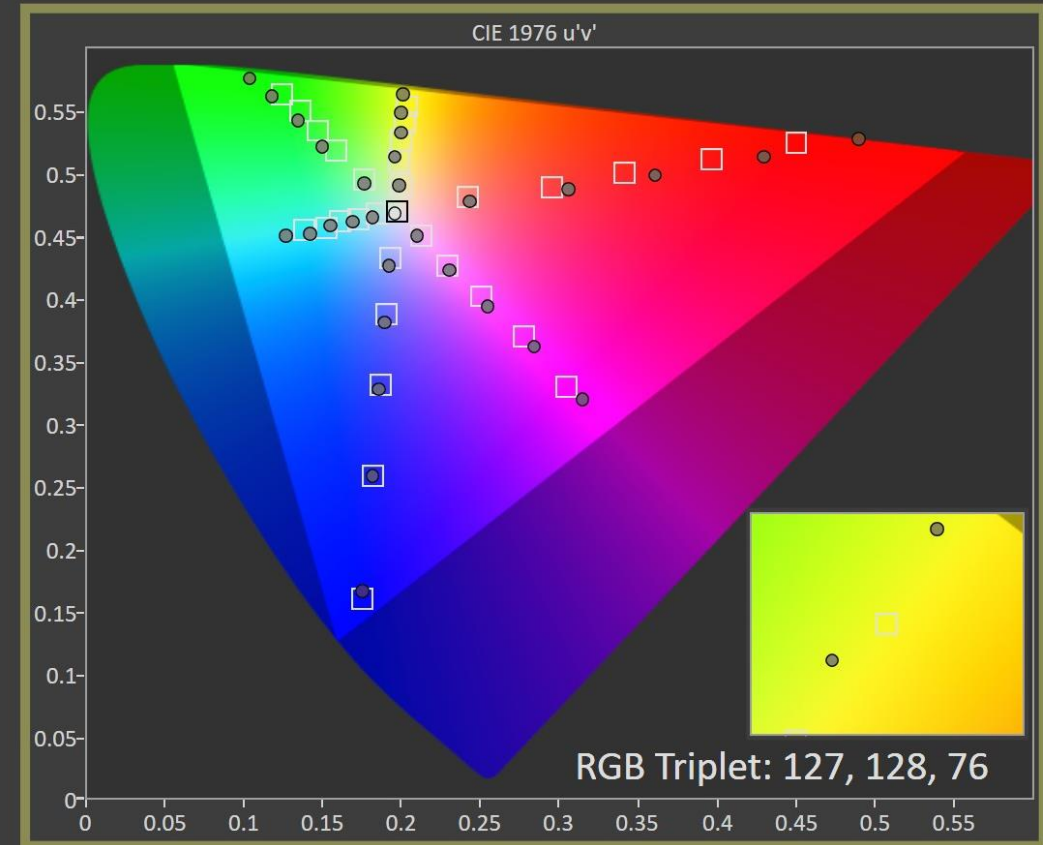
Current Reading

x: 0.4307

y: 0.5344

fL: 15.547

cd/m²: 53.268



	20%	40%	60%	80%	100%
x: CIE31	0.3329	0.3538	0.3816	0.4055	0.4307
y: CIE31	0.3651	0.4105	0.4516	0.4955	0.5344
Y	50.3844	57.1430	56.9743	54.6008	53.2683
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