

Gray Scale: Console HDR

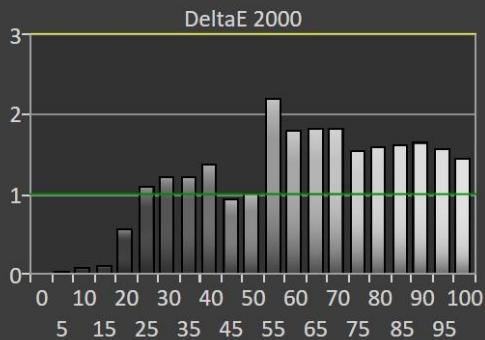
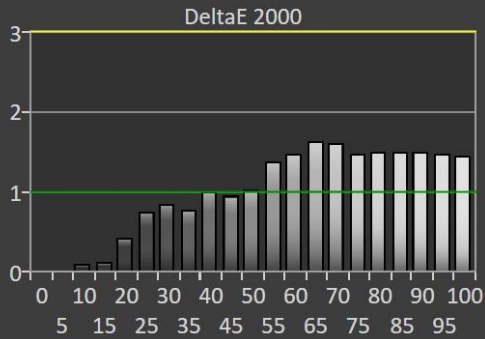
ASUS ROG Swift PG34WCDM – 10% APL

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



Grayscale Tracking

dE Formula: 2000



Current Reading:

x: 0.3098

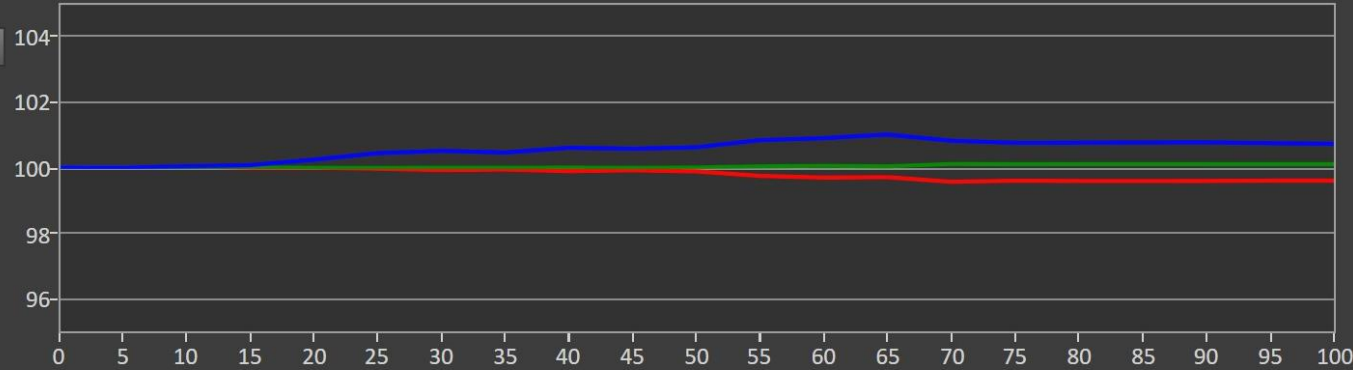
y: 0.3271

fL: 214.769

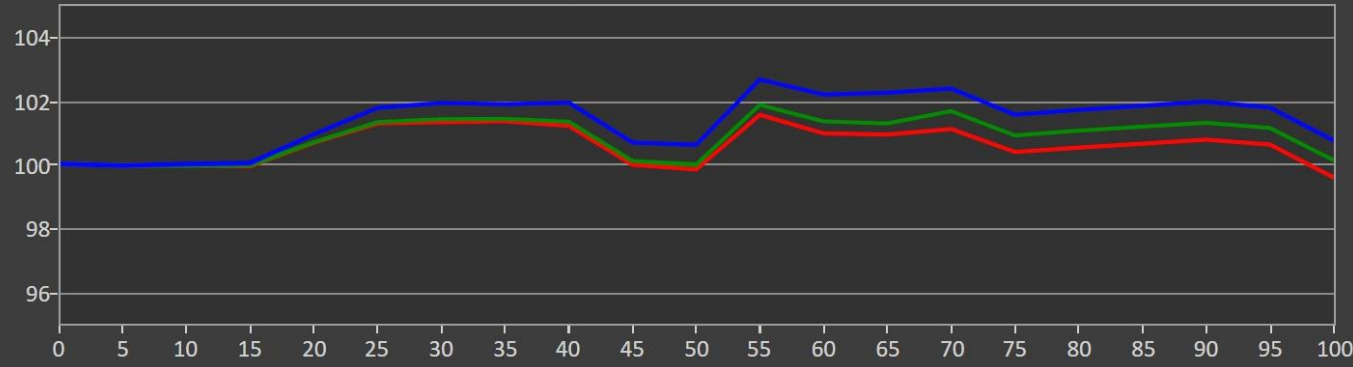
cd/m²: 735.854

	0	5	10	15	20	25	30	35	40	45	50
Y	0.000	0.025	0.308	0.947	2.963	6.264	11.342	20.572	35.633	56.219	93.950
x: CIE31	0.333	0.324	0.309	0.306	0.307	0.308	0.308	0.309	0.308	0.309	0.310
y: CIE31	0.333	0.355	0.316	0.323	0.321	0.322	0.323	0.324	0.324	0.325	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

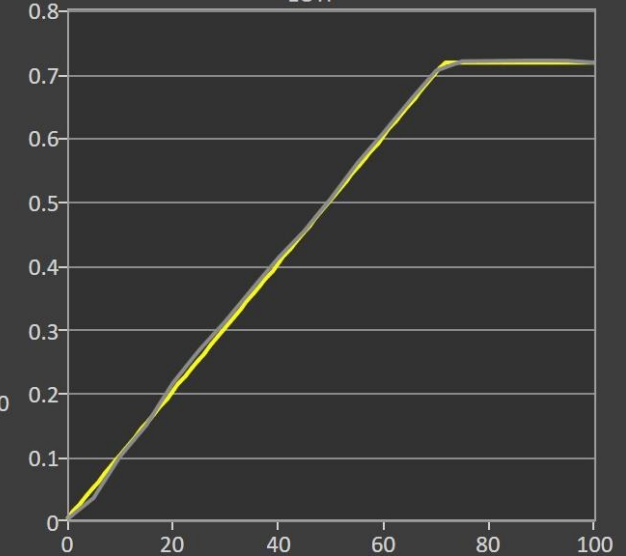
RGB Balance, without Luminance



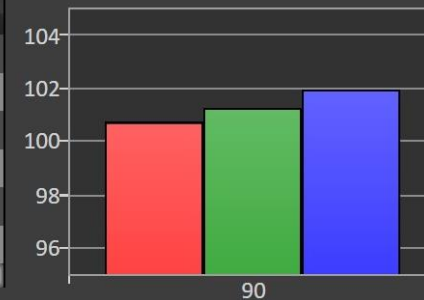
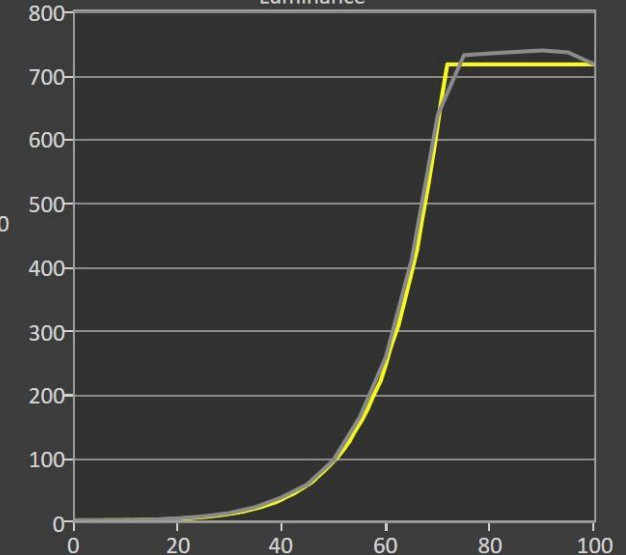
RGB Balance, with Luminance



EOTF



Luminance



Gray Scale: Console HDR

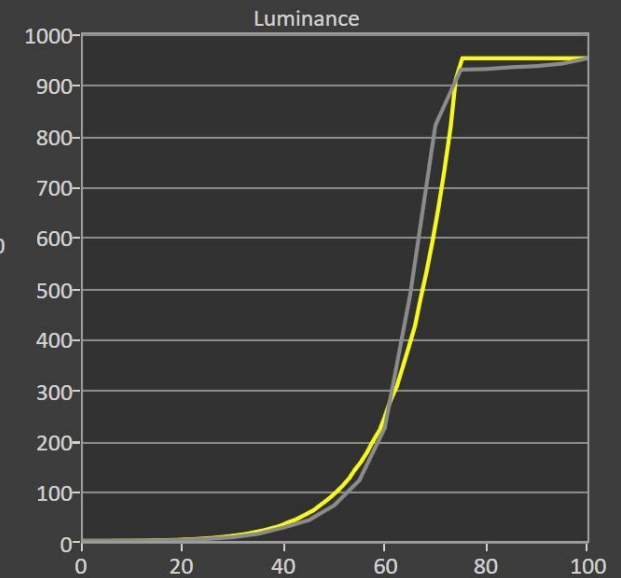
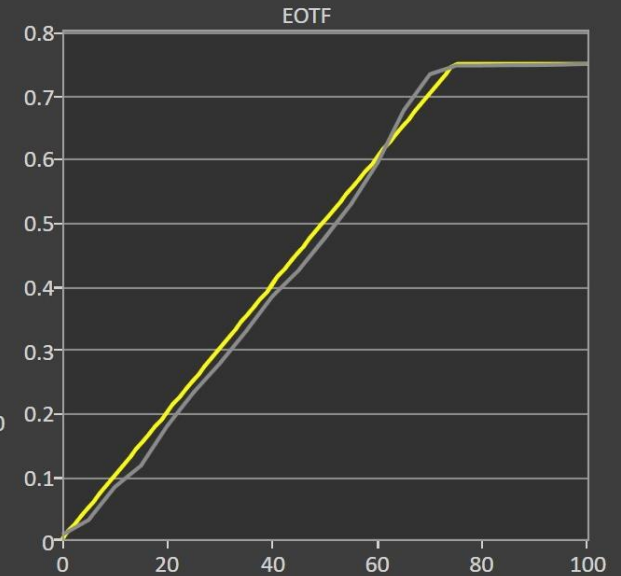
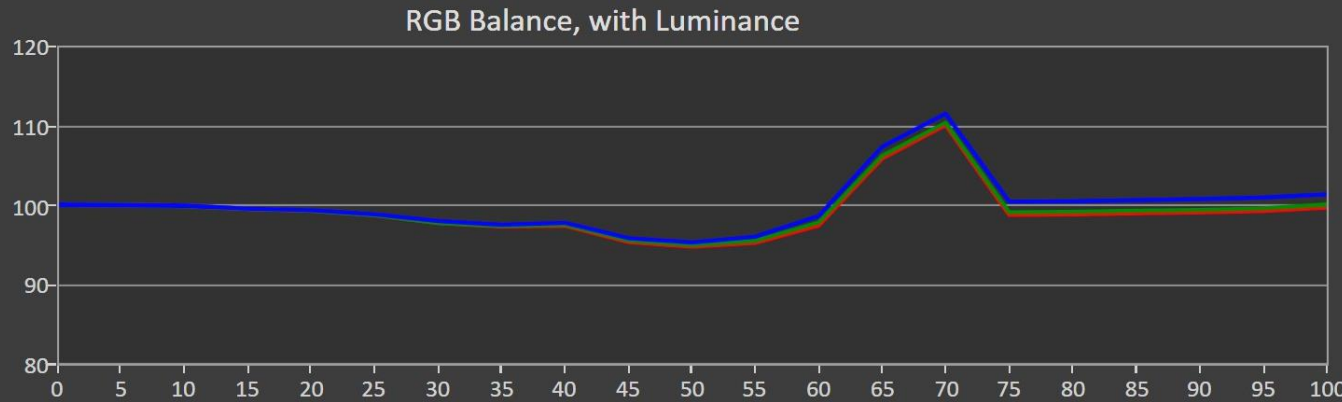
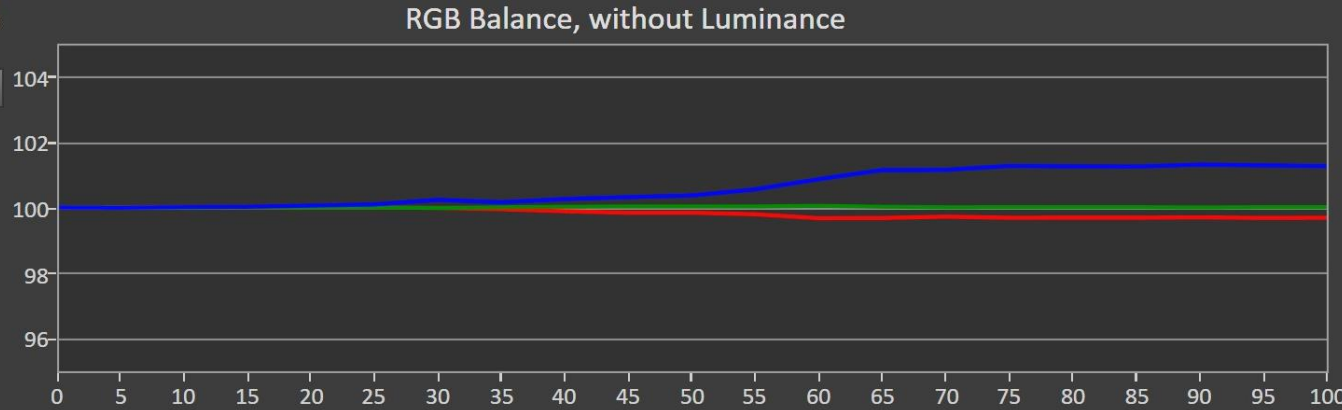
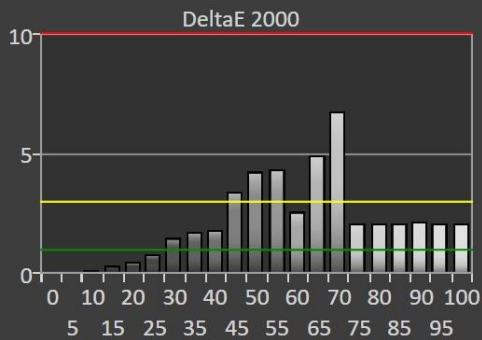
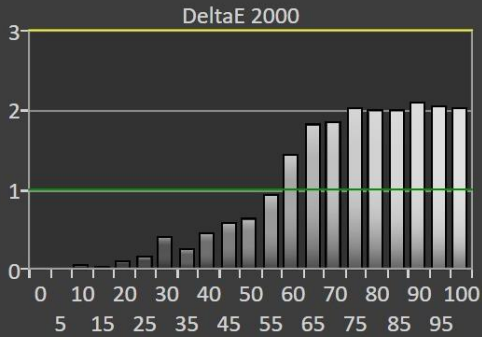
ASUS ROG Swift PG34WCDM – 1% APL

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



Grayscale Tracking

dE Formula: 2000



Current Reading:

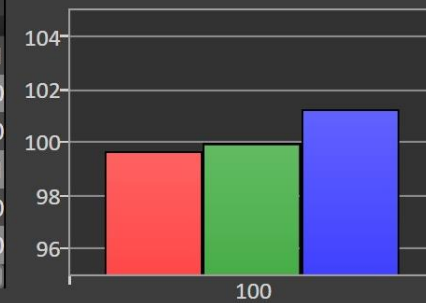
x: 0.3093

y: 0.3252

fL: 276.982

cd/m²: 949.012

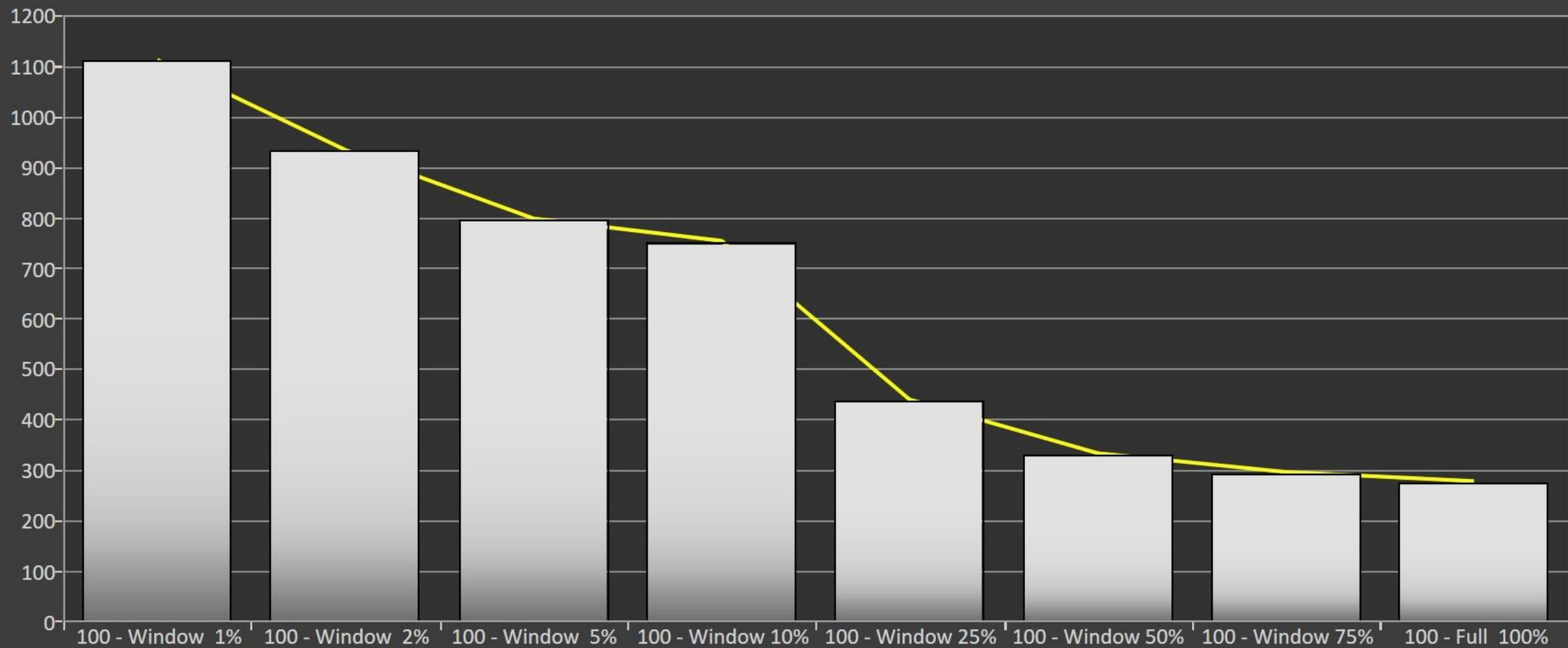
	0	5	10	15	20	25	30	35	40	45	50
Y	0.001	0.020	0.194	0.478	1.677	3.886	7.352	13.944	26.389	40.798	69.764
x: CIE31	0.335	0.369	0.316	0.308	0.310	0.311	0.310	0.311	0.310	0.309	0.310
y: CIE31	0.364	0.380	0.319	0.324	0.324	0.326	0.325	0.327	0.327	0.327	0.327
Target Y	0.000	0.063	0.342	0.982	2.429	5.226	9.791	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: Console HDR

ASUS ROG Swift PG34WCDM

Portrait Display Calman Ultimate



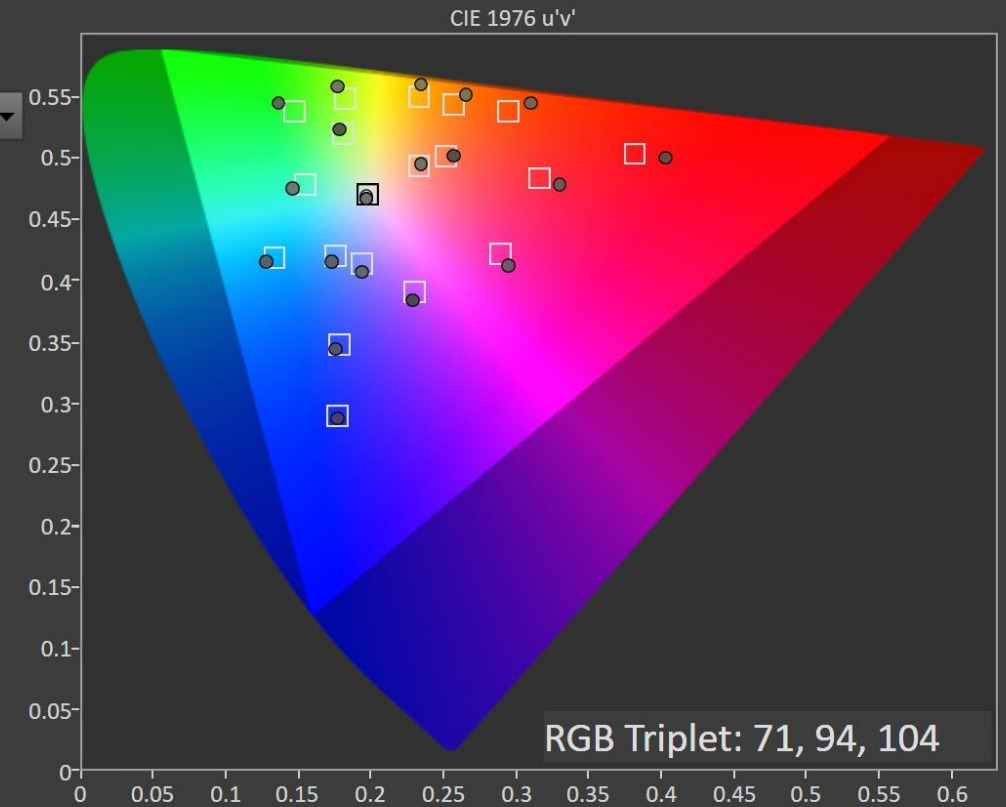
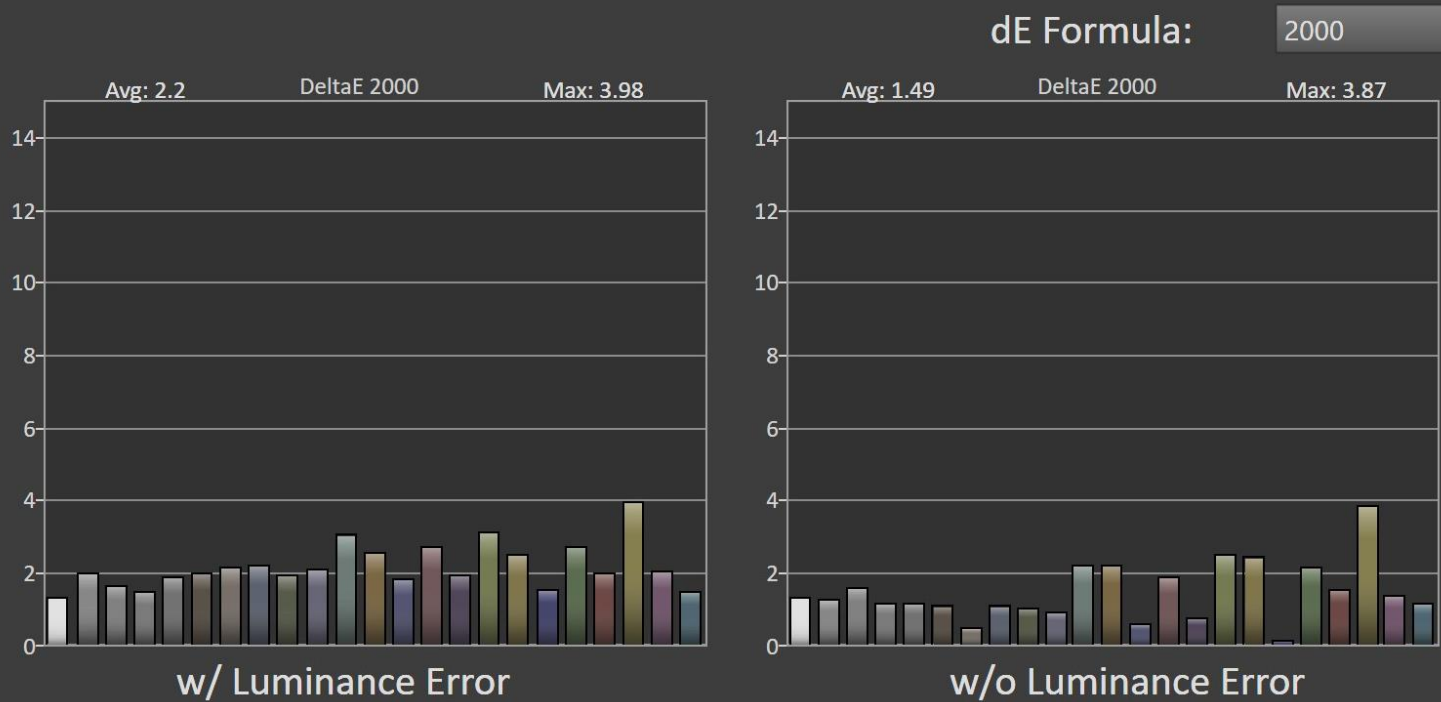
ColorChecker: Console HDR

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	0.3101	0.3089	0.3077	0.3086	0.3080	0.4176	0.3833	0.2419	0.3390	0.2608	0.2474	0.5401	0.2092	0.4660	0.2840	0.3812	0.4973	0.1872	0.2975	0.5604	0.4183
y: CIE31	0.3274	0.3240	0.3224	0.3239	0.3234	0.3600	0.3571	0.2582	0.4412	0.2431	0.3561	0.4196	0.1811	0.2993	0.2095	0.5323	0.4588	0.1343	0.5259	0.3081	0.4183
Y	702.4919	72.9443	67.3248	53.1233	40.6185	11.7327	42.0638	22.9511	15.5822	27.5973	48.8548	30.2000	13.9999	21.6940	8.1752	48.4256	37.5997	7.5895	25.9413	12.8520	60.5439
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	702.4919	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	59.9414
dE ICtCp_240	0.5226	2.3798	1.1493	1.8425	3.2314	4.1825	3.9474	4.5039	3.5915	3.8883	4.0143	6.6414	4.1629	5.3527	4.4689	5.4170	6.3899	4.1862	4.0424	5.8090	8.2141

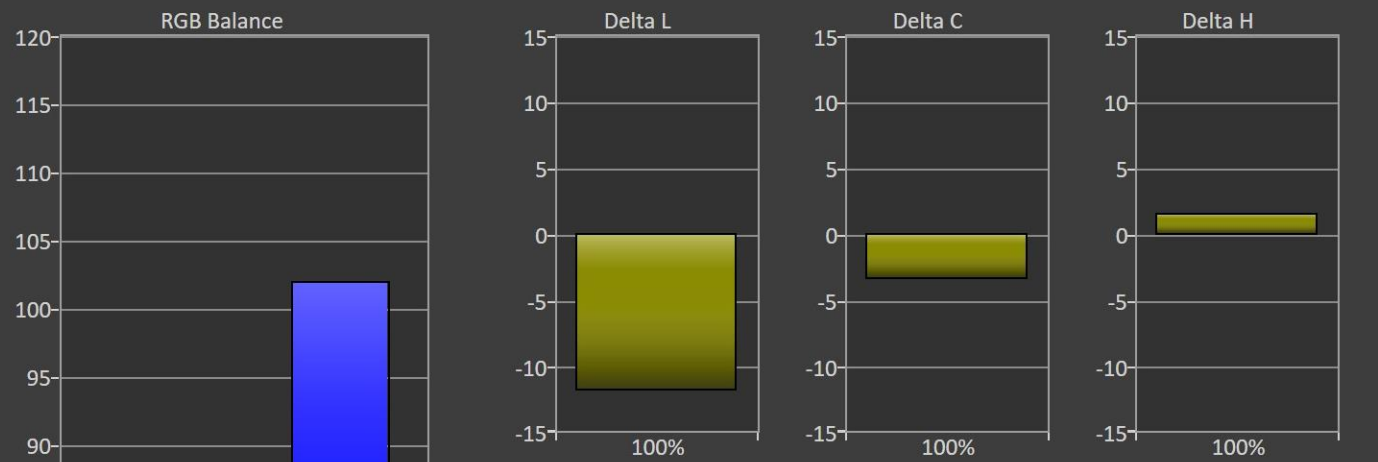
Saturation: Console HDR

ASUS ROG Swift PG34WCDM – 10% APL

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



BT.2020 Saturation Sweeps

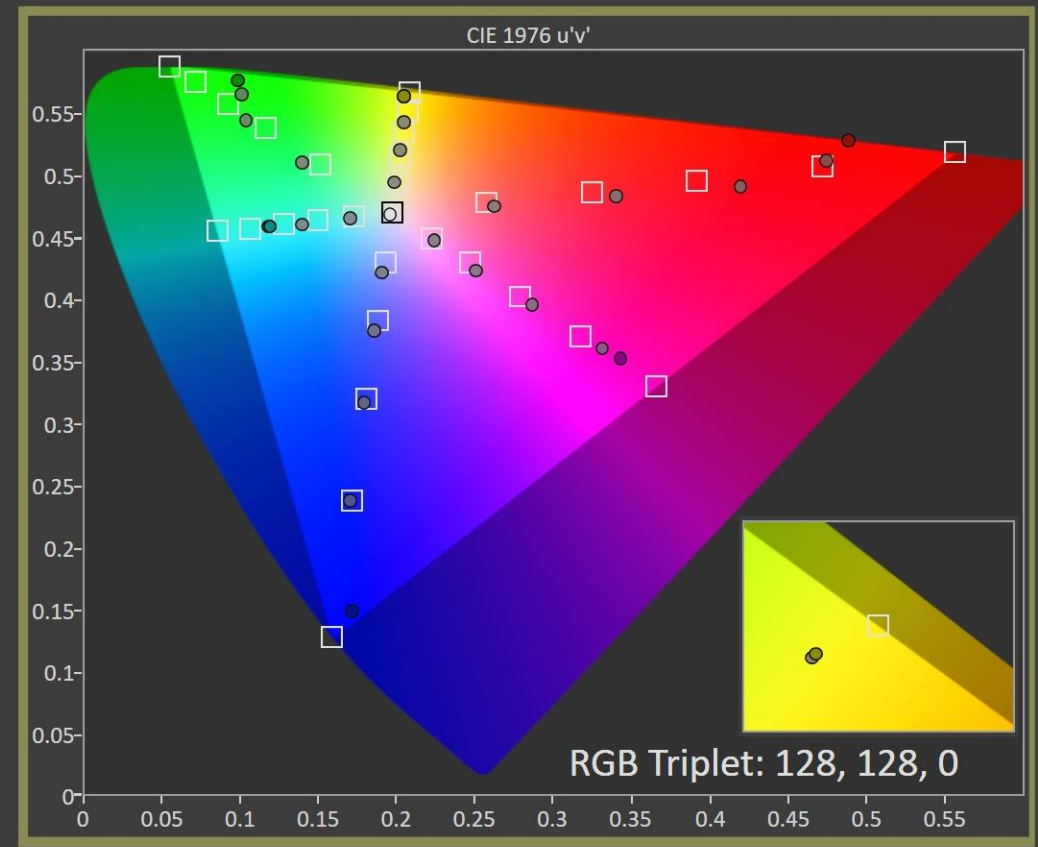
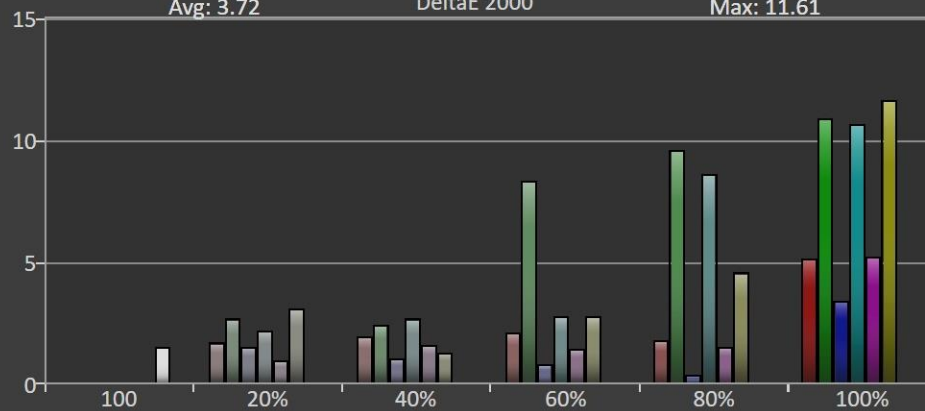


dE Formula: 2000

Avg: 3.72 DeltaE 2000 Max: 11.61

Current Reading

x: 0.4351
y: 0.5308
fL: 13.386
cd/m²: 45.864



	20%	40%	60%	80%	100%
x: CIE31	0.3361	0.3706	0.4026	0.4342	0.4351
y: CIE31	0.3714	0.4216	0.4735	0.5298	0.5308
Y	79.2391	91.2630	79.5754	75.0082	45.8639
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

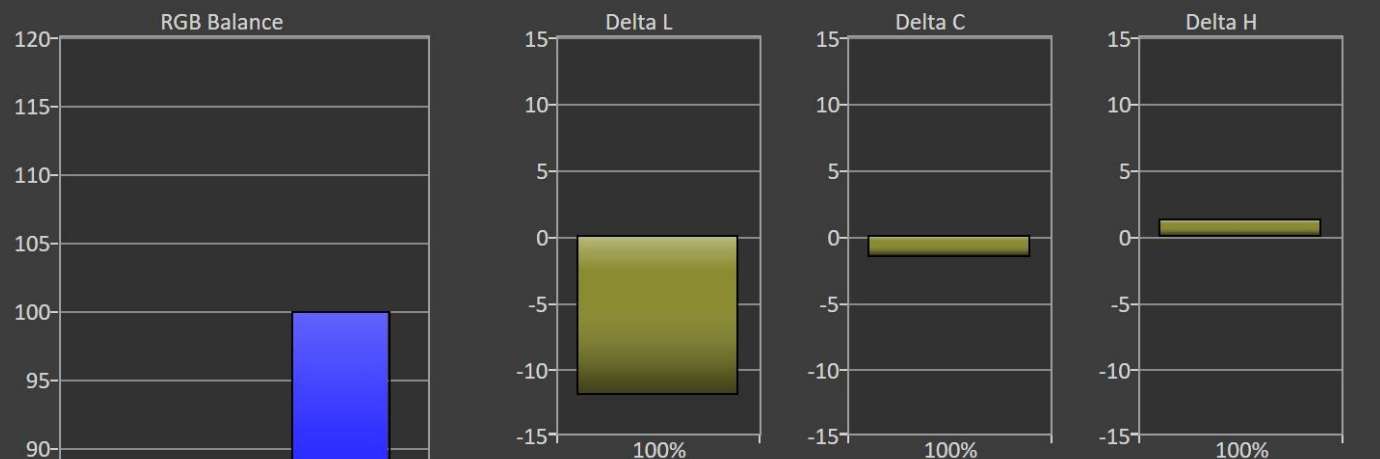
Saturation: Console HDR

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

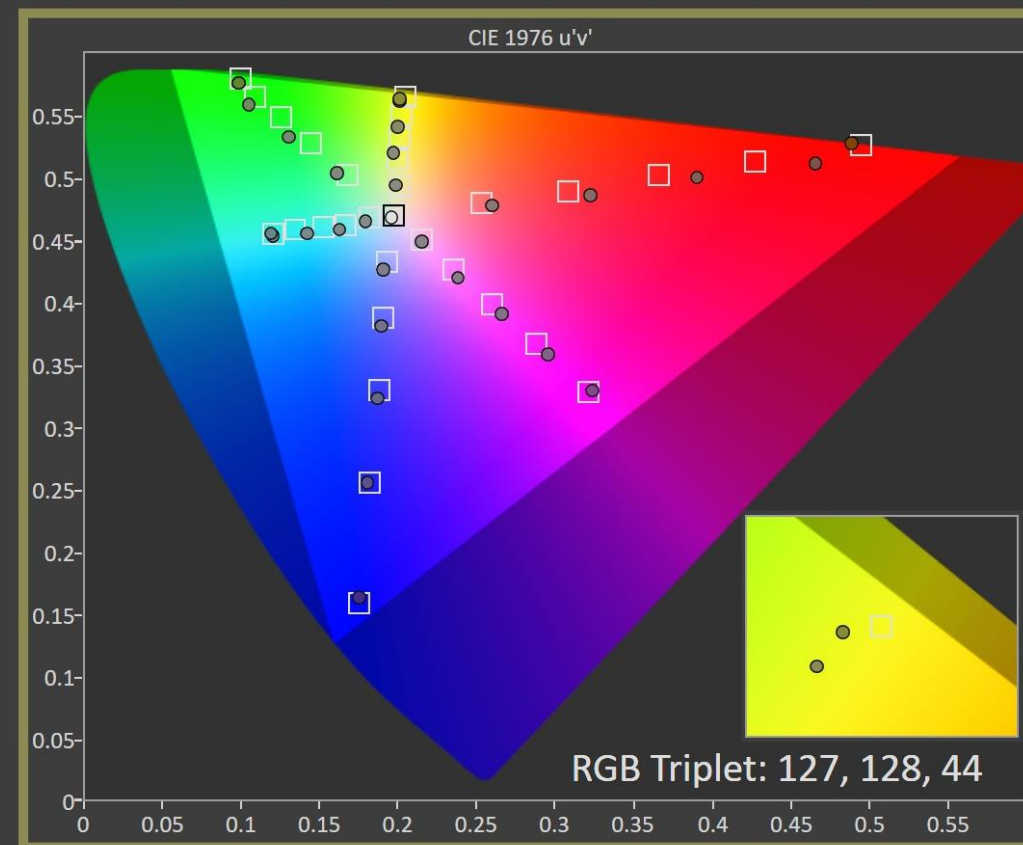
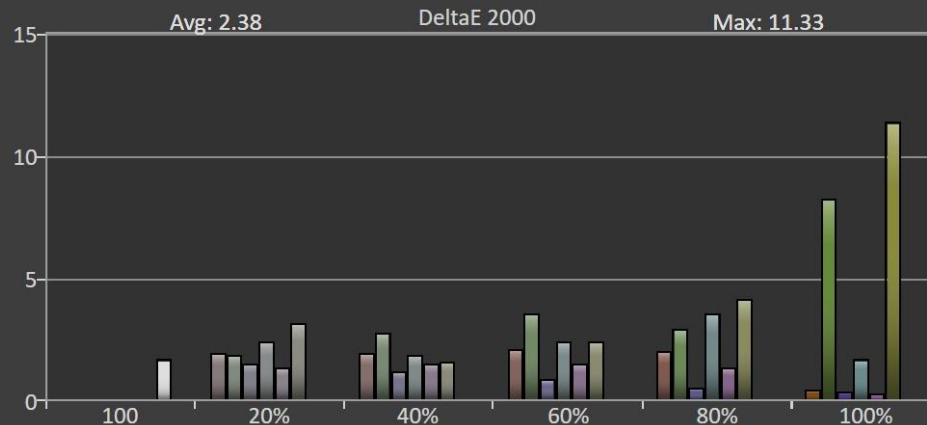
Current Reading

x: 0.4303

y: 0.5349

fL: 13.179

cd/m²: 45.154



	20%	40%	60%	80%	100%
x: CIE31	0.3361	0.3641	0.3929	0.4257	0.4303
y: CIE31	0.3714	0.4261	0.4720	0.5272	0.5349
Y	78.9258	88.2297	80.2496	75.1188	45.1535
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

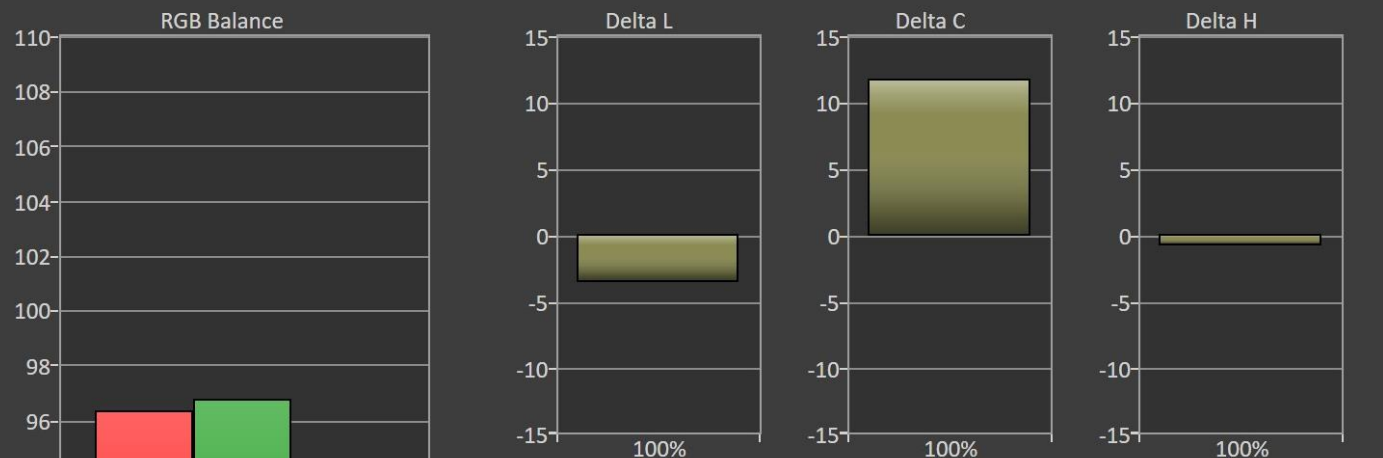
Saturation: Console HDR

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

Avg: 2.04 DeltaE 2000 Max: 4.02

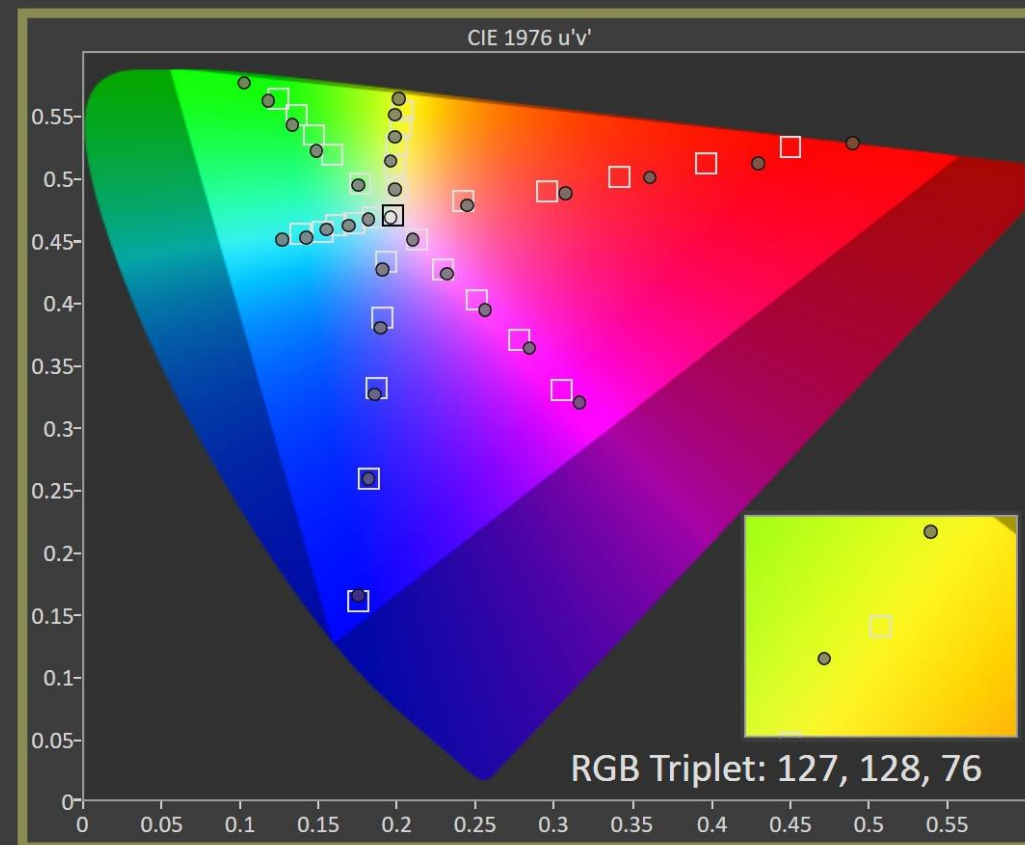
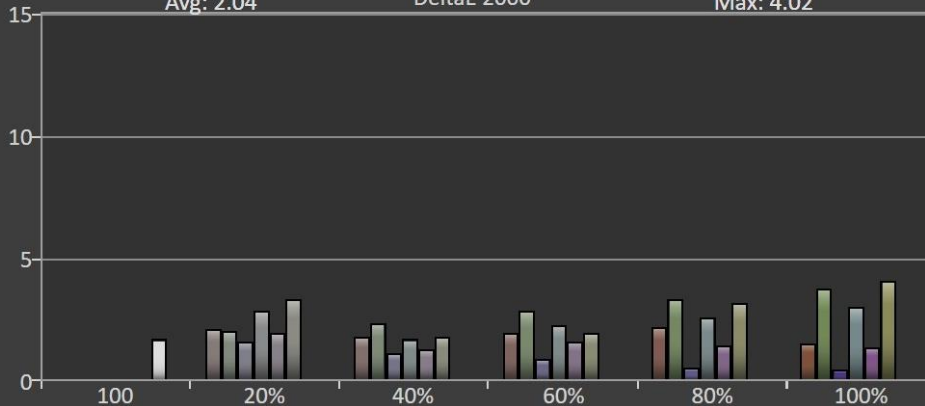
Current Reading

x: 0.4307

y: 0.534

fL: 21.586

cd/m²: 73.96



	20%	40%	60%	80%	100%
x: CIE31	0.3332	0.3536	0.3813	0.4051	0.4307
y: CIE31	0.3652	0.4105	0.4514	0.4963	0.5340
Y	77.8709	85.9465	83.4205	77.6116	73.9600
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