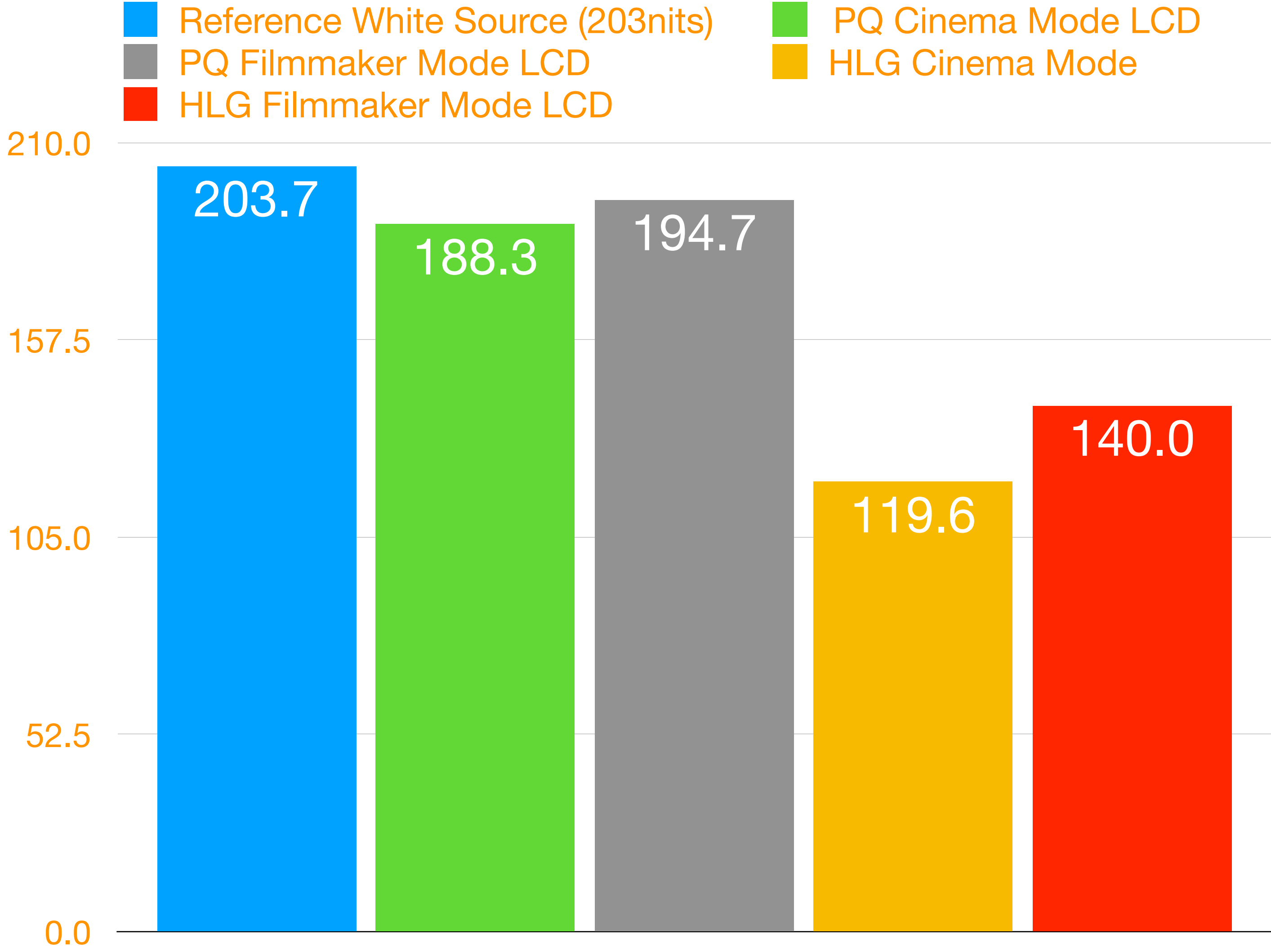
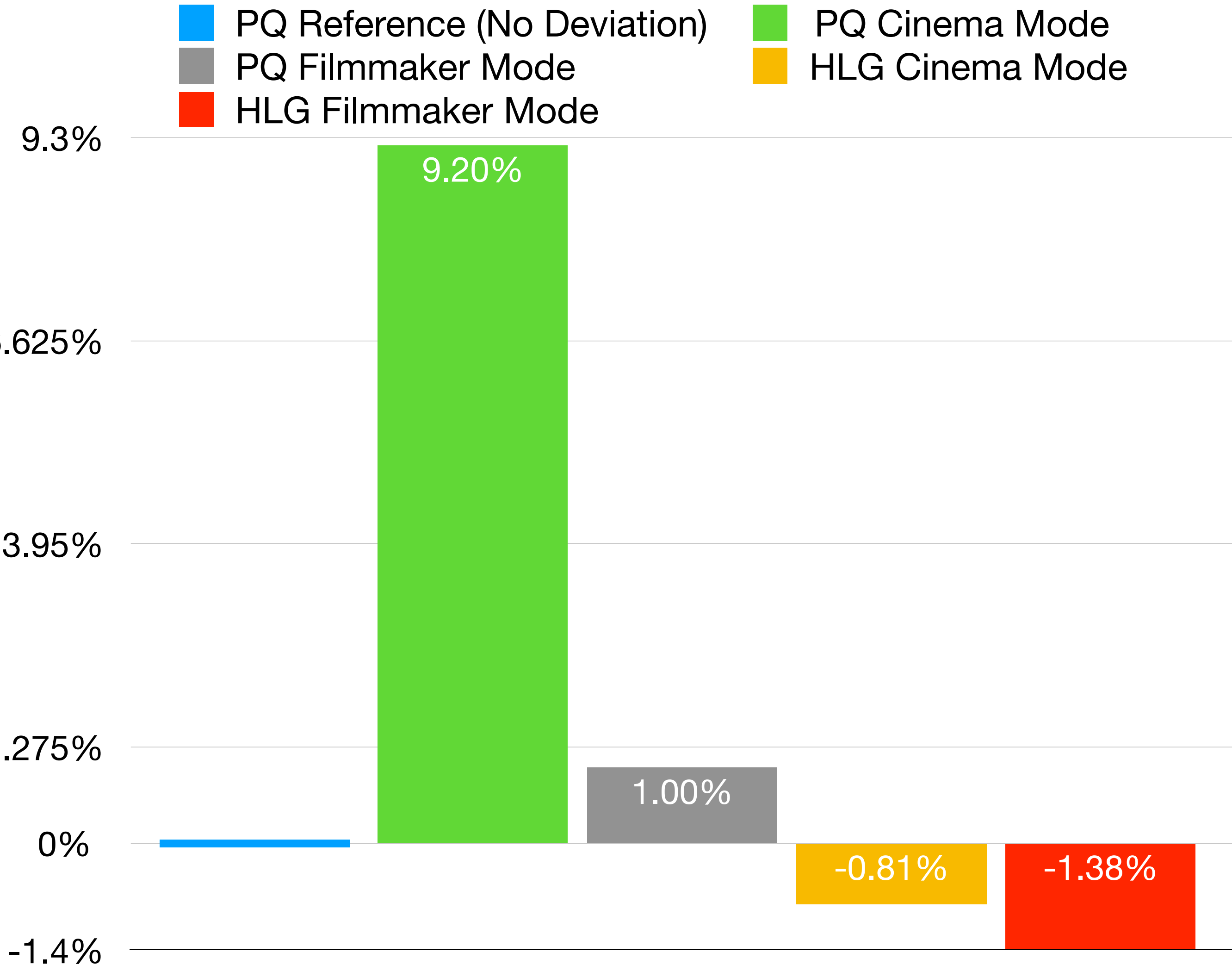


NITS (BRIGHTNESS LEVEL)



Deviation from HDR Reference



	PQ DISPLAYS ≥ 2020								HLG DISPLAYS ≥ 2020						
	AVERAGES	AVERAGES	AVERAGES	AVERAGES	AVERAGES	AVERAGES	AVERAGES		AVERAGES	AVERAGES	AVERAGES	AVERAGES	AVERAGES	AVERAGES	AVERAGES
	Factory Mode	Factory Mode	Cinema Mode	Cinema Mode	Filmmaker Mode	Filmmaker Mode	Filmmaker Mode		Factory Mode	Factory Mode	Cinema Mode	Cinema Mode	Filmmaker Mode	Filmmaker Mode	Filmmaker Mode
	L32	Full Screen	L32	Full Screen	L32	Full Screen	L32		L32	Full Screen	L32	Full Screen	L32	Full Screen	L32
	≥ 2020	≥ 2020	≥ 2020	≥ 2020	≥ 2020	≥ 2020	≥ 2020		≥ 2020	≥ 2020	≥ 2020	≥ 2020	≥ 2020	≥ 2020	≥ 2020
	LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	OLED ONLY		LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	LCD Backlit ONLY	OLED ONLY
	Measured Luminance & Effective Gamma (For gain-staging from black to reference white)														
Graphic White Averages		199.05	188.25	208.58	194.70	220.25	222.34			159.00	119.60	151.37	140.00	144.95	222.34
Graphic White MAX		344.70	235.50	250.00	231.80	493.50	260.00			200.00	139.00	246.00	140.00	245.00	260.00
Graphic White MIN		115.00	141.00	147.00	157.60	68.00	190.40			118.00	109.80	79.50	140.00	65.00	190.40
	PQ “Effective Gamma” (2.4) deviation Black to Reference White (38-58%) Higher Numbers represent a midtone lift Lower numbers represent a midtone compression								HLG “Effective Gamma” deviation from Reference OOTF Black to Reference White (38-75%) NIT Offsets thru BT.2100 Formula. Higher Numbers represent a midtone lift Lower numbers represent a midtone compression						
		22.87%	9.20%	7.23%	1.00%	5.99%	-1.48%			28.05%	-0.81%	2.65%	-1.38%	-1.38%	-3.84%
	PQ “Effective Gamma” is fixed at 2.4								HLG “Effective-Gamma” is variable. Averages are not valid.						
		1.87	1.93	2.20	2.37	2.25	2.43		NA	NA	NA	NA	NA	NA	NA
	A lower system gamma indicates a lifted gamma (higher shadows and midtones) from black to Reference White														
	LCD Backlit L32 or 5%		LCD Backlit L32				OLED L32		LCD Backlit L32		LCD Backlit L32		LCD Backlit L32		OLED L32
Maximum Peak White 4K PQ/4K	1353		1027				1001		1434.00		1297		1285		1285
Minimum Peak White 4K PQ/4K	230		177.8				701		312.60		177.1		210.00		177.1
COUNT	15		8				6		18		12		6		6
									HLG Displays with Different Peak Brightness Capabilities						
	PQ Effective Gamma (Reference)								400	600	1000	2000	3000	4000	Peak White
	203.7								0.00	0.00	0.00	0.00	0.00	0.00	Black Level
	25.7								1.03	1.11	1.20	1.33	1.40	1.45	HLG Variable System Gamma
	0								101.46	137.95	203.15	343.50	467.04	580.80	Graphic White
	2.42								2.06	2.21	2.40	2.65	2.80	2.90	“Effective Gamma”
									17.33	20.76	26.07	35.51	42.54	48.36	MidGray