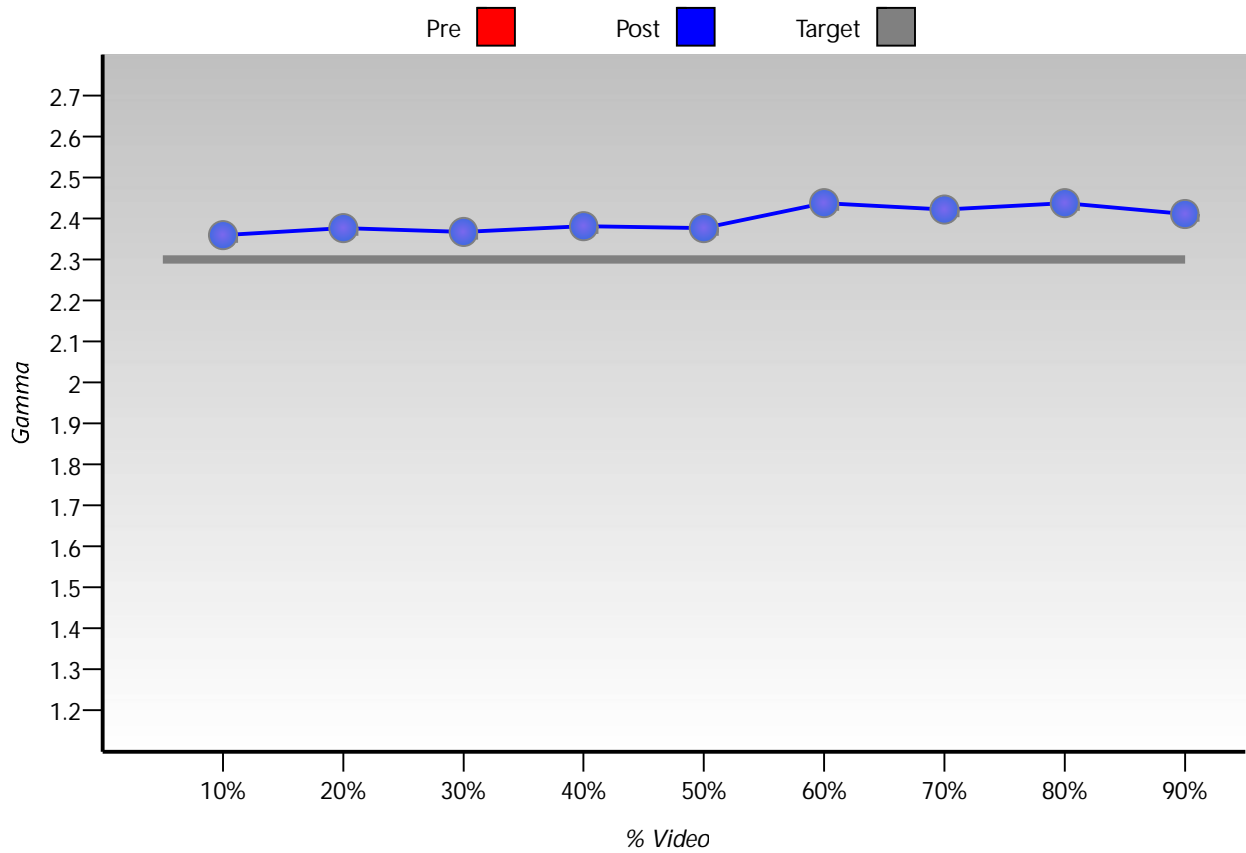


## Gamma

Gamma describes the rate at which video output increases with signal input. This is not a one-to-one relationship. If gamma is too high, the image will darken and shadow detail will suffer. If gamma is too low, contrast and depth suffer.

Luminance: cdm2

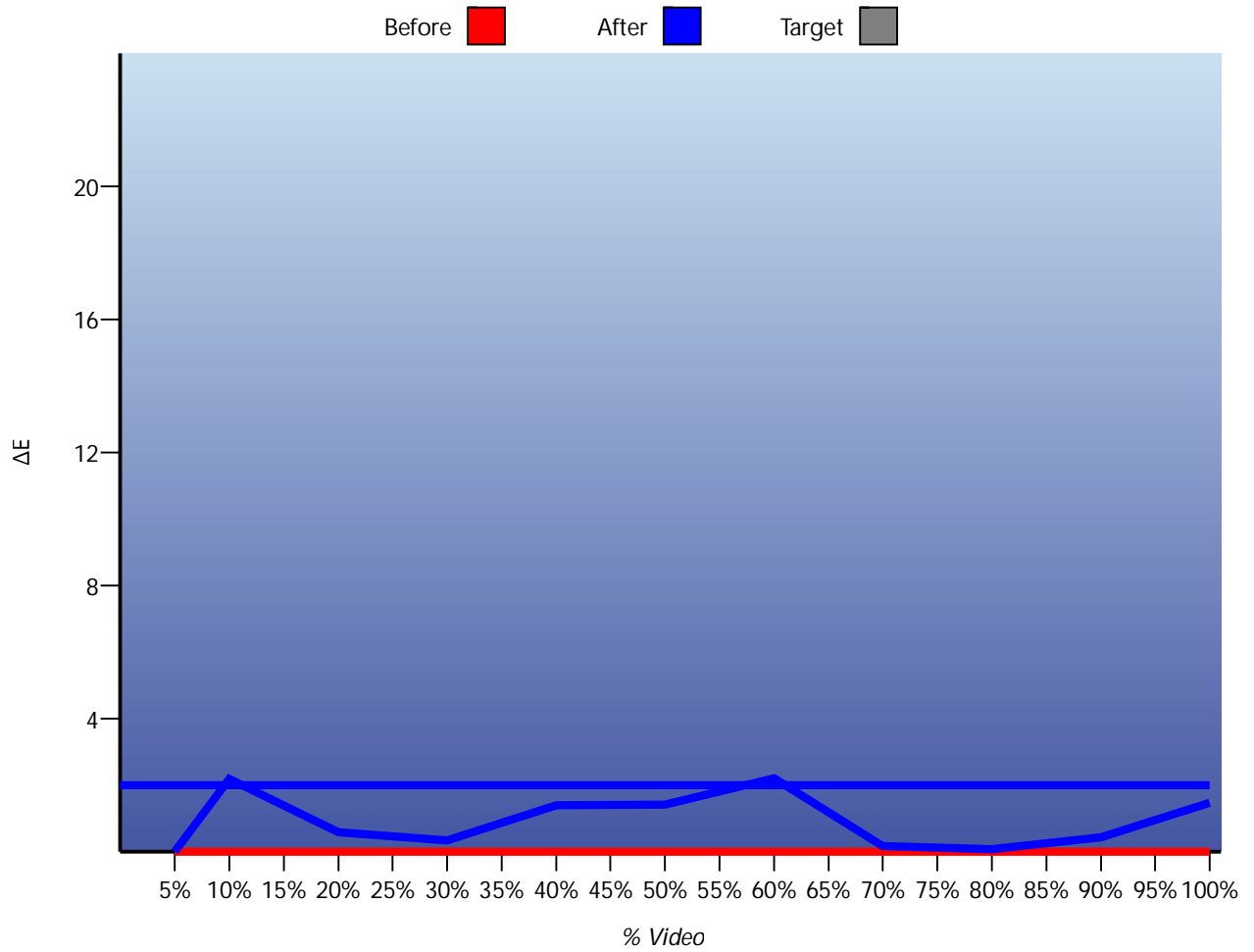
Target Gamma: 2.3



	Before			After		
	Output	Gamma	Video	Output	Gamma	Video
0%			0			0
10%	0.00 (0.0%)	0.00		0.30 (0.4%)	2.36	
20%	0.00 (0.0%)	0.00		1.49 (2.2%)	2.38	
30%	0.00 (0.0%)	0.00		3.94 (5.8%)	2.37	
40%	0.00 (0.0%)	0.00		7.70 (11.3%)	2.38	
50%	0.00 (0.0%)	0.00		13.14 (19.3%)	2.38	
60%	0.00 (0.0%)	0.00		19.63 (28.8%)	2.44	
70%	0.00 (0.0%)	0.00		28.75 (42.2%)	2.42	
80%	0.00 (0.0%)	0.00		39.59 (58.0%)	2.44	
90%	0.00 (0.0%)	0.00		52.90 (77.6%)	2.41	
100%	0.00 (0.0%)	0	0	68.21 (100.0%)	0	0
	<b>Mean: NaN</b>			<b>2.40</b>		
	<b>Contrast: 0.0</b>			<b>0.0</b>		

## Grayscale $\Delta E$ Chart

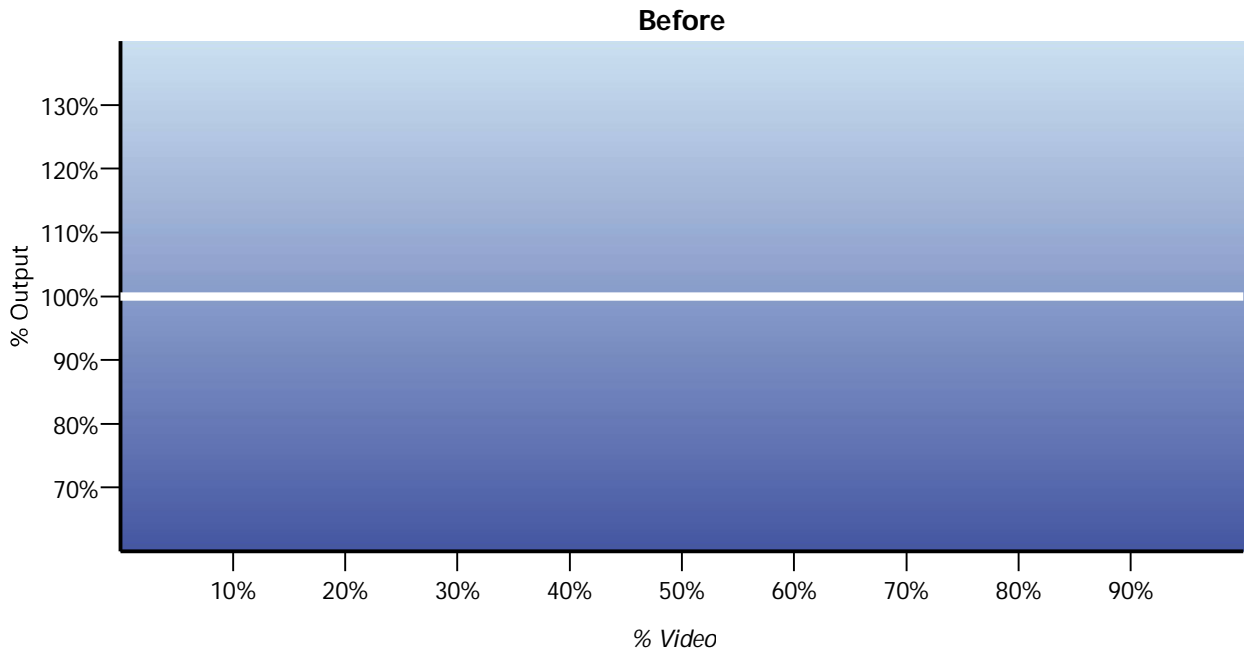
This chart displays the color of white across the entire grayscale in raw xy data and Delta-E. White is defined as x0.3127, y0.3290. Delta E (dE or  $\Delta E$ ) measures deviation from a color standard. The smaller the number, the less the deviation from the standard and the more accurate the color. Ideally,  $\Delta E$  for white should not rise above 2.



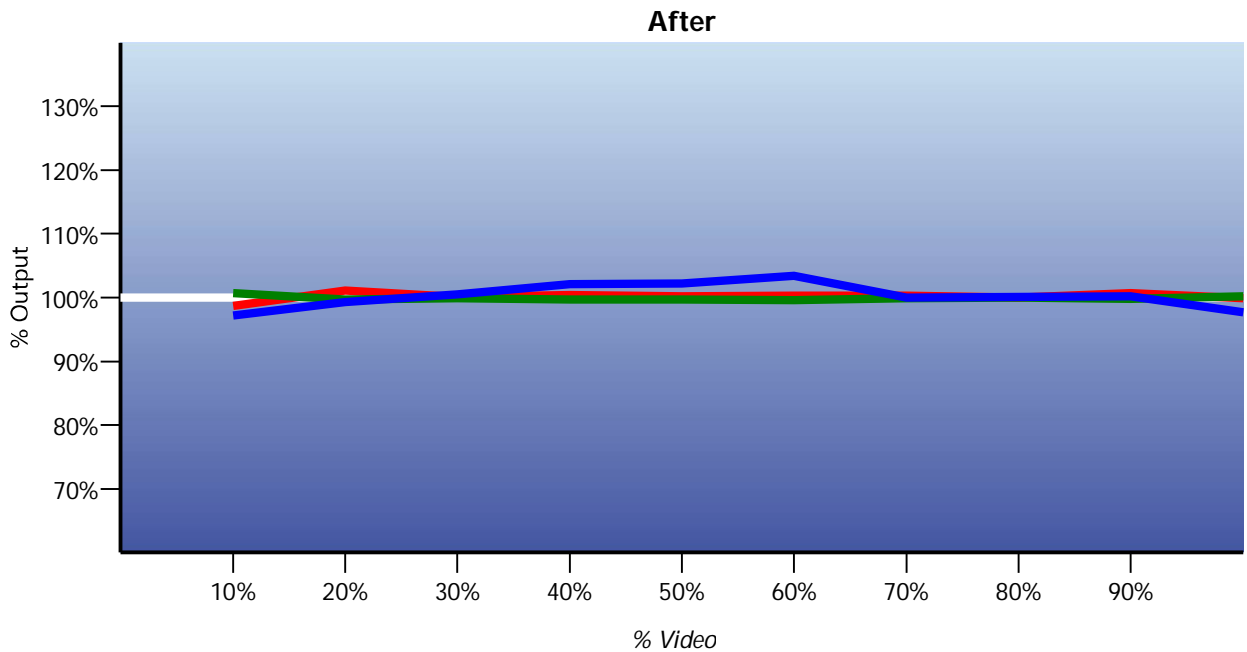
	Before			After		
	x, y	$\Delta E$	CCT	x, y	$\Delta E$	CCT
5%						
10%				0.314, 0.333	2.2	6,431
20%				0.314, 0.329	0.6	6,436
30%				0.312, 0.328	0.3	6,523
40%				0.312, 0.326	1.4	6,583
50%				0.311, 0.326	1.4	6,594
60%				0.311, 0.325	2.2	6,645
70%				0.313, 0.329	0.2	6,491
80%				0.313, 0.329	0.1	6,507
90%				0.313, 0.329	0.4	6,486
100%				0.314, 0.332	1.5	6,408
Mean:		NaN	NaN		1.0	6,510

## RGB Line Chart

This chart also displays gray scale performance, but breaks out the contributions of red, green, and blue. Ideally, all three colors should be within +/- 4% from 100% across the entire range.



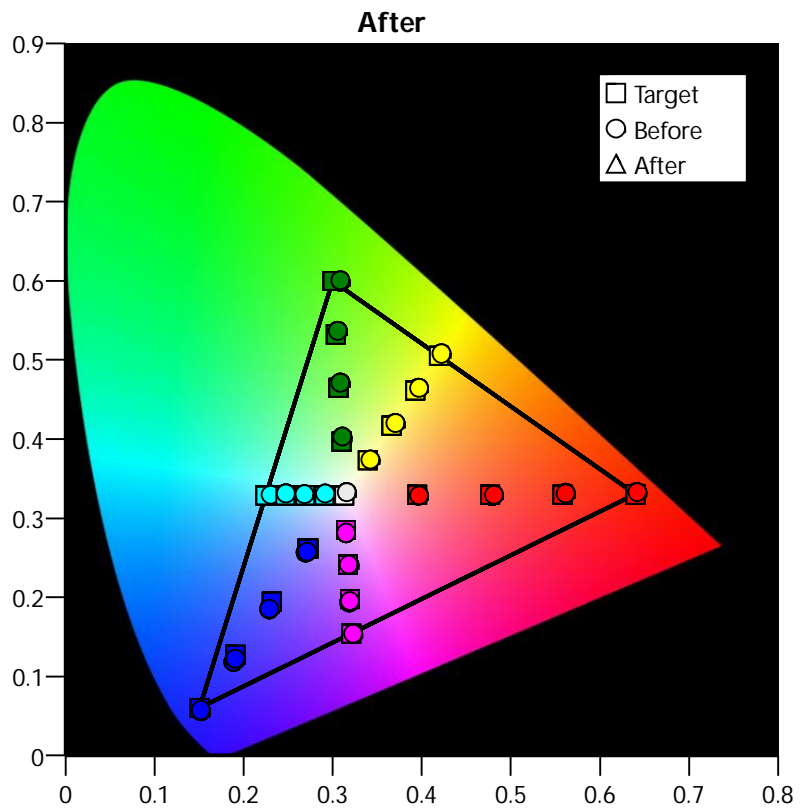
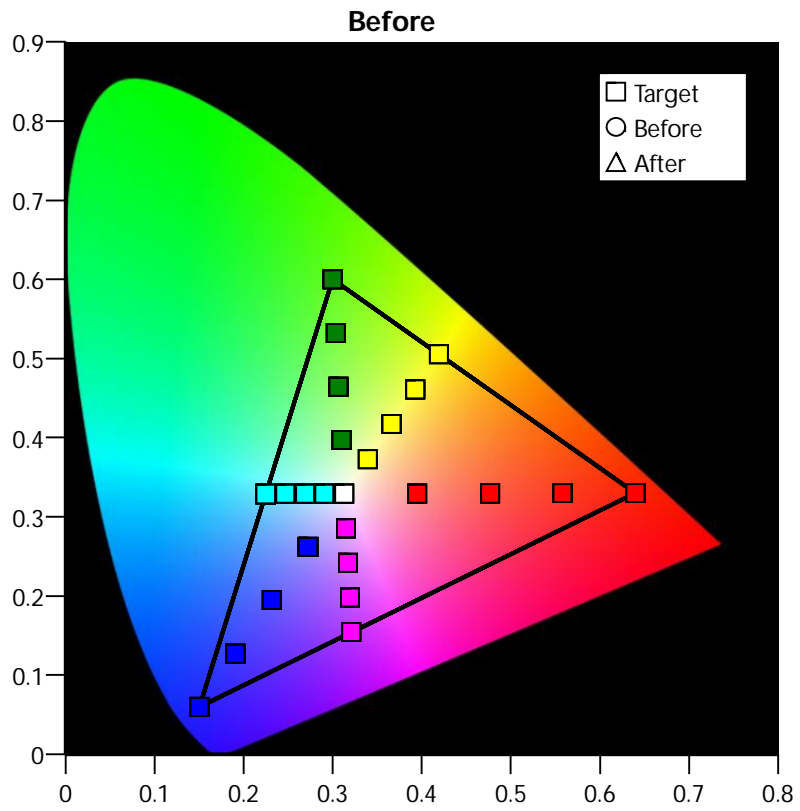
	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	Mean
<b>R</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NaN
<b>G</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NaN
<b>B</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NaN



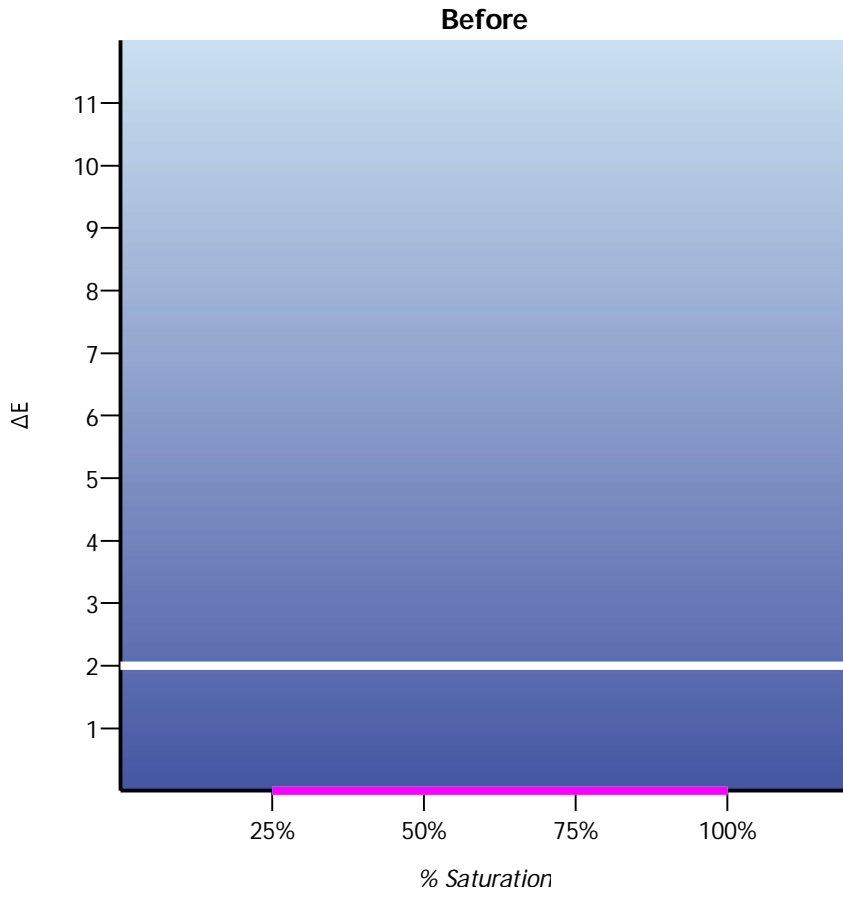
	5%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	Mean
<b>R</b>	N/A	98.6%	101.1%	100.1%	100.4%	100.2%	100.3%	100.3%	100.0%	100.7%	100.0%	100.2%
<b>G</b>	N/A	100.7%	99.7%	99.9%	99.7%	99.7%	99.6%	99.9%	100.0%	99.8%	100.2%	100.3%
<b>B</b>	N/A	97.2%	99.3%	100.5%	102.1%	102.2%	103.4%	100.0%	100.1%	100.2%	97.7%	100.3%

## Color Saturations

This shows the ability of the display to reproduce color accurately throughout the entire gamut, rather than just at the gamut boundary.



# Saturations $\Delta E$



Color	$\Delta E$	
	Before	After
Red	0.0	2.8
Green	0.0	1.6
Blue	0.0	3.0
Yellow	0.0	0.6
Cyan	0.0	1.4
Magenta	0.0	3.2
Red 75%	0.0	2.4
Red 50%	0.0	3.0
Red 25%	0.0	2.8
Green 75%	0.0	0.6
Green 50%	0.0	1.0
Green 25%	0.0	1.1
Blue 75%	0.0	3.8
Blue 50%	0.0	3.6
Blue 25%	0.0	3.0
Yellow 75%	0.0	0.7
Yellow 50%	0.0	1.1
Yellow 25%	0.0	0.9
Cyan 75%	0.0	0.8
Cyan 50%	0.0	0.9
Cyan 25%	0.0	0.8
Magenta 75%	0.0	2.7
Magenta 50%	0.0	3.0
Magenta 25%	0.0	2.8
<b>Mean</b>	<b>0.0</b>	<b>2.0</b>

