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NVIDIA Performance Per Dollar Linux

Latest NVIDIA performance-per-dollar results head of RX 480 launch...

Test Systems:

GeForce GTX 950

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: eVGA NVIDIA GeForce GTX 950 2048MB (1202/3304MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-24-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: NVIDIA 367.27, OpenGL: 4.5.0, Vulkan: 1.0.8, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 960

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: eVGA NVIDIA GeForce GTX 960 2048MB (1277/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-24-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: NVIDIA 367.27, OpenGL: 4.5.0, Vulkan: 1.0.8, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 970

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: eVGA NVIDIA GeForce GTX 970 4096MB (1164/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-24-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: NVIDIA 367.27, OpenGL: 4.5.0, Vulkan: 1.0.8, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 980

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: NVIDIA GeForce GTX 980 4096MB (1126/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-24-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: NVIDIA 367.27, OpenGL: 4.5.0, Vulkan: 1.0.8, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 980 Ti

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: NVIDIA GeForce GTX 980 Ti 6144MB (999/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-24-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: NVIDIA 367.27, OpenGL: 4.5.0, Vulkan: 1.0.8, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 1070

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: NVIDIA GeForce GTX 1070 8192MB (229/4006MHz), Audio: Realtek ALC1150, Network: Intel Connection

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OS: Ubuntu 16.04, Kernel: 4.4.0-24-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: NVIDIA 367.27, OpenGL: 4.5.0, Vulkan: 1.0.8, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 1080

Processor: Intel Xeon E3-1280 v5 @ 4.00GHz (8 Cores), Motherboard: MSI C236A WORKSTATION (MS-7998) v1.0, Chipset: Intel Sky Lake, Memory: 16384MB, Disk: Samsung SSD 950 PRO 256GB, Graphics: NVIDIA GeForce GTX 1080 8192MB (1163/5005MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-24-generic (x86_64), Desktop: Unity 7.4.0, Display Server: X Server 1.18.3, Display Driver: NVIDIA 367.27, OpenGL: 4.5.0, Vulkan: 1.0.8, Compiler: GCC 5.3.1 20160413, File-System: ext4, Screen Resolution: 3840x2160

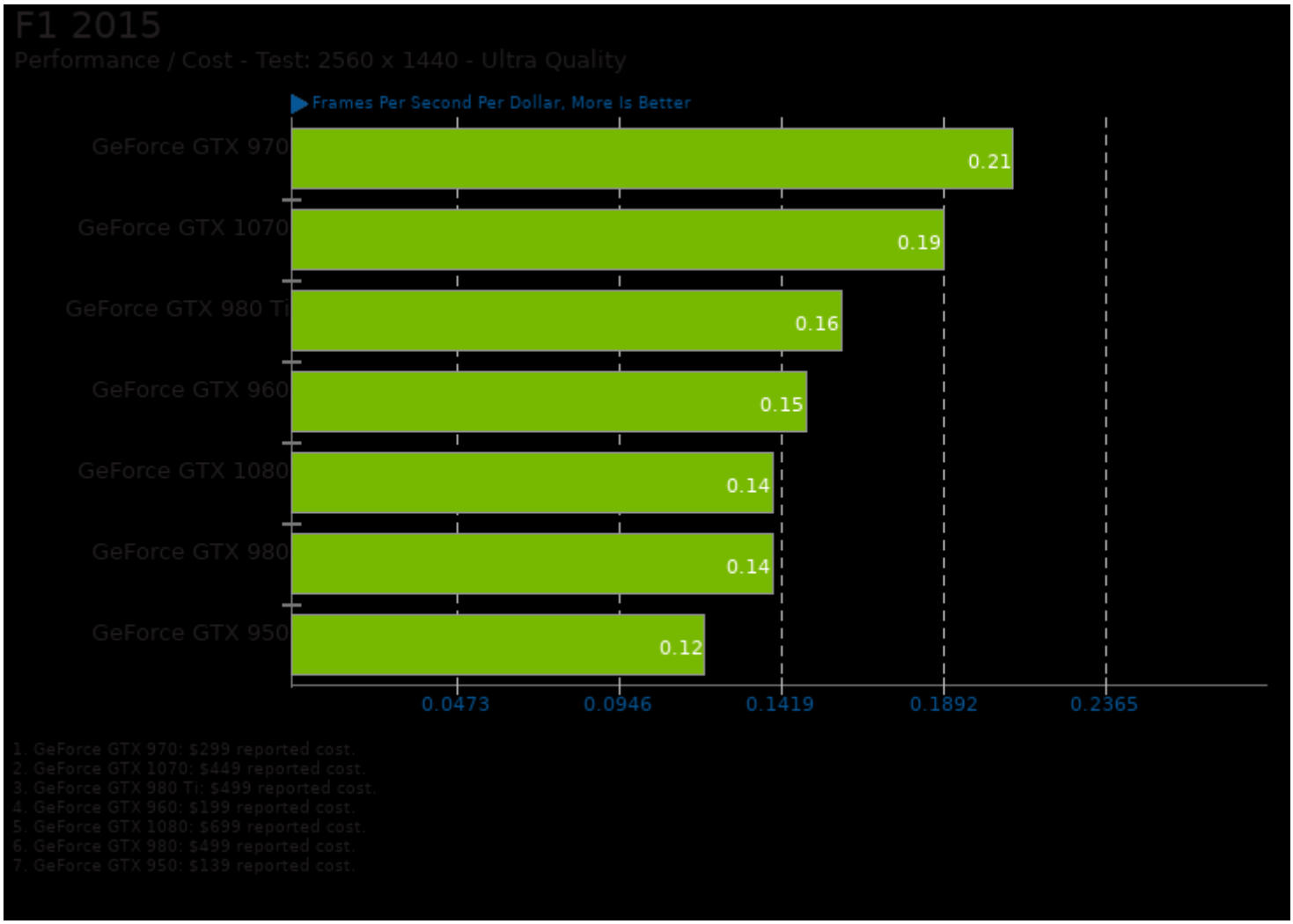
Processor Notes: Scaling Governor: intel_pstate performance

	GeForce GTX 950	GeForce GTX 960	GeForce GTX 970	GeForce GTX 980	GeForce GTX 980 Ti	GeForce GTX 1070	GeForce GTX 1080
F1 2015 - Performance / Cost - 2560 x 1440 - Ultra Quality (FPS/Dollar)	**0.12**	0.15	**0.21**	0.14	0.16	0.19	0.14
Normalized	57.14%	71.43%	100%	66.67%	76.19%	90.48%	66.67%
Unigine Valley - Performance / Cost - 2560 x 1440 - Fullscreen (FPS/Dollar)	**0.23**	0.19	0.19	**0.12**	0.15	0.18	0.14
Normalized	100%	82.61%	82.61%	52.17%	65.22%	78.26%	60.87%
Metro: Last Light Redux - Performance / Cost - P.T.S.v.4.0 (FPS/Dollar)	**0.28**	0.19	0.23	**0.15**	0.19	0.20	**0.15**
Normalized	100%	67.86%	82.14%	53.57%	67.86%	71.43%	53.57%
Dota 2 - Performance / Cost - 3840 x 2160 - OpenGL (FPS/Dollar)	0.23	0.21	**0.29**	0.19	0.20	0.22	**0.14**
Normalized	79.31%	72.41%	100%	65.52%	68.97%	75.86%	48.28%
F1 2015 - 2560 x 1440 - Ultra Quality (FPS)	**16.41**	29.40	63.21	69.94	79.73	86.48	**94.39**
Normalized	17.39%	31.15%	66.97%	74.1%	84.47%	91.62%	100%
Unigine Valley - 2560 x 1440 - Fullscreen (FPS)	**32.14**	36.94	55.77	60.53	72.94	83.01	**100.30**
Normalized	32.04%	36.83%	55.6%	60.35%	72.72%	82.76%	100%
Metro: Last Light Redux - P.T.S.v.4.0 (FPS)	39.47	**37.69**	69.73	75.90	94.53	89.38	**102.88**
Normalized	38.37%	36.63%	67.78%	73.78%	91.88%	86.88%	100%

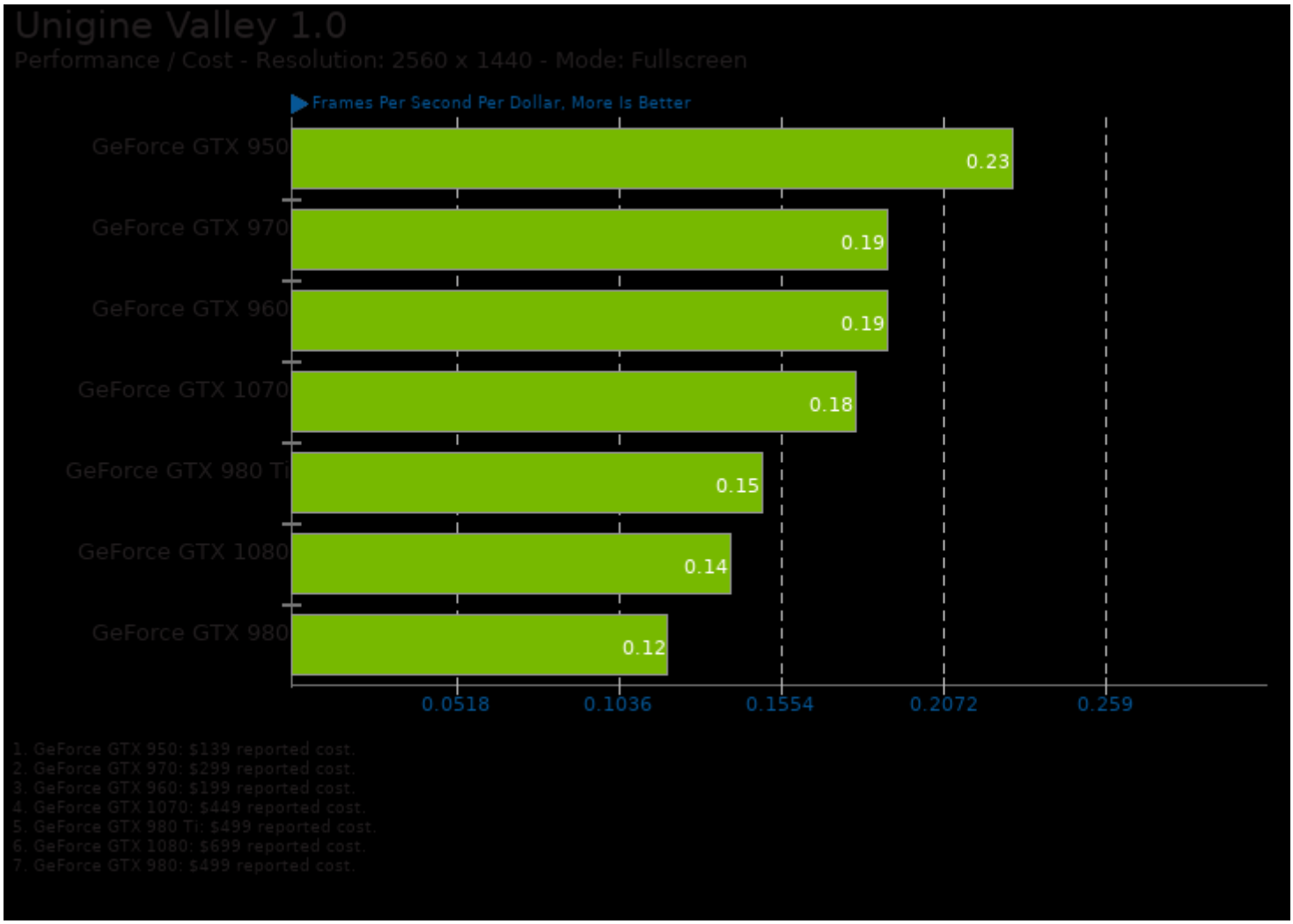
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Dota 2 - 3840 x 2160 - OpenGL (FPS)	**32.50**	41.60	86.20	93.50	97.60	97.10	**99.50**
Normalized	32.66%	41.81%	86.63%	93.97%	98.09%	97.59%	100%
Meta Performance Per Dollar - P.P.D (Performance/Dollar)	0.22	0.18	**0.23**	0.15	0.17	0.20	**0.14**
Normalized	95.65%	78.26%	100%	65.22%	73.91%	86.96%	60.87%

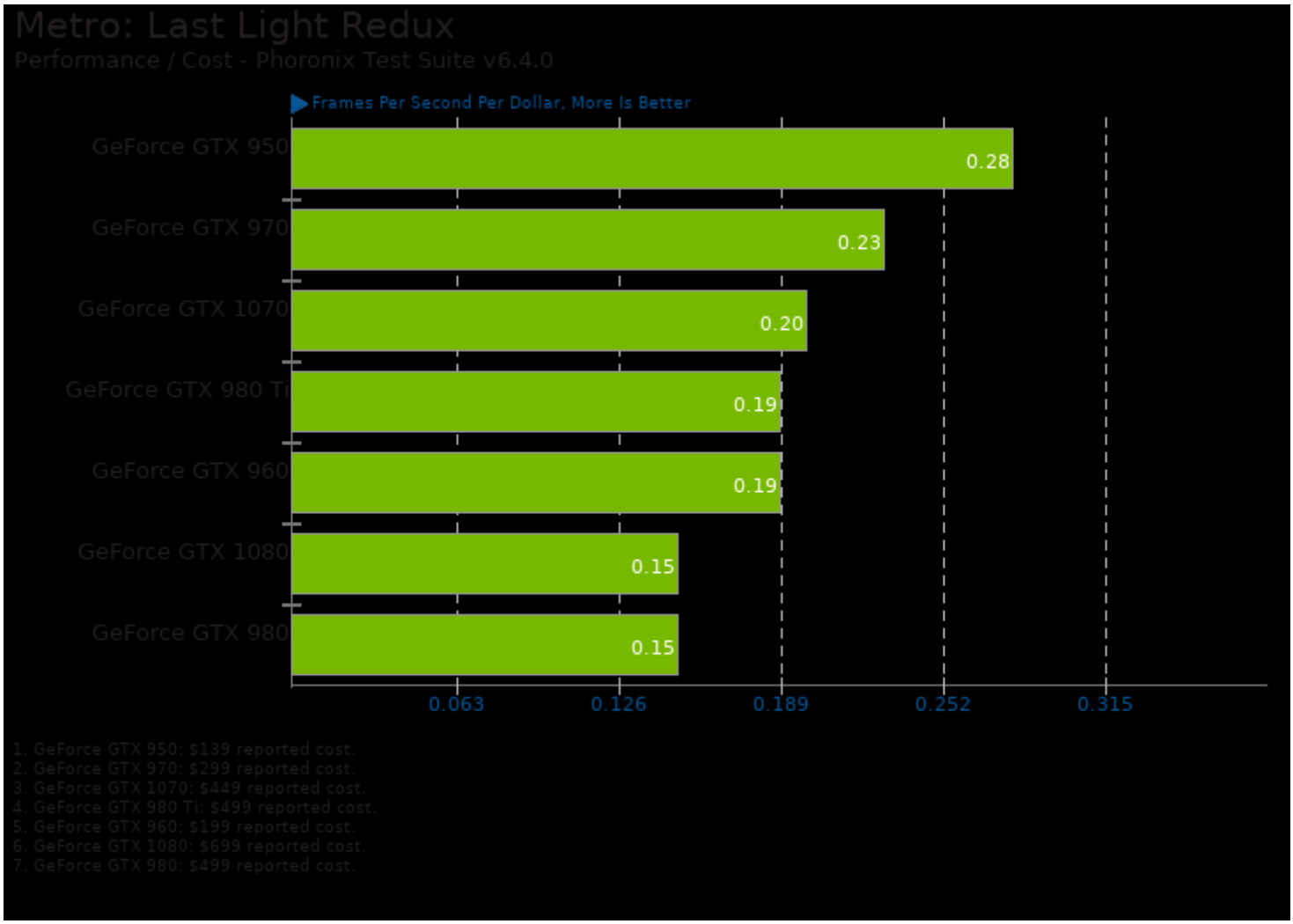
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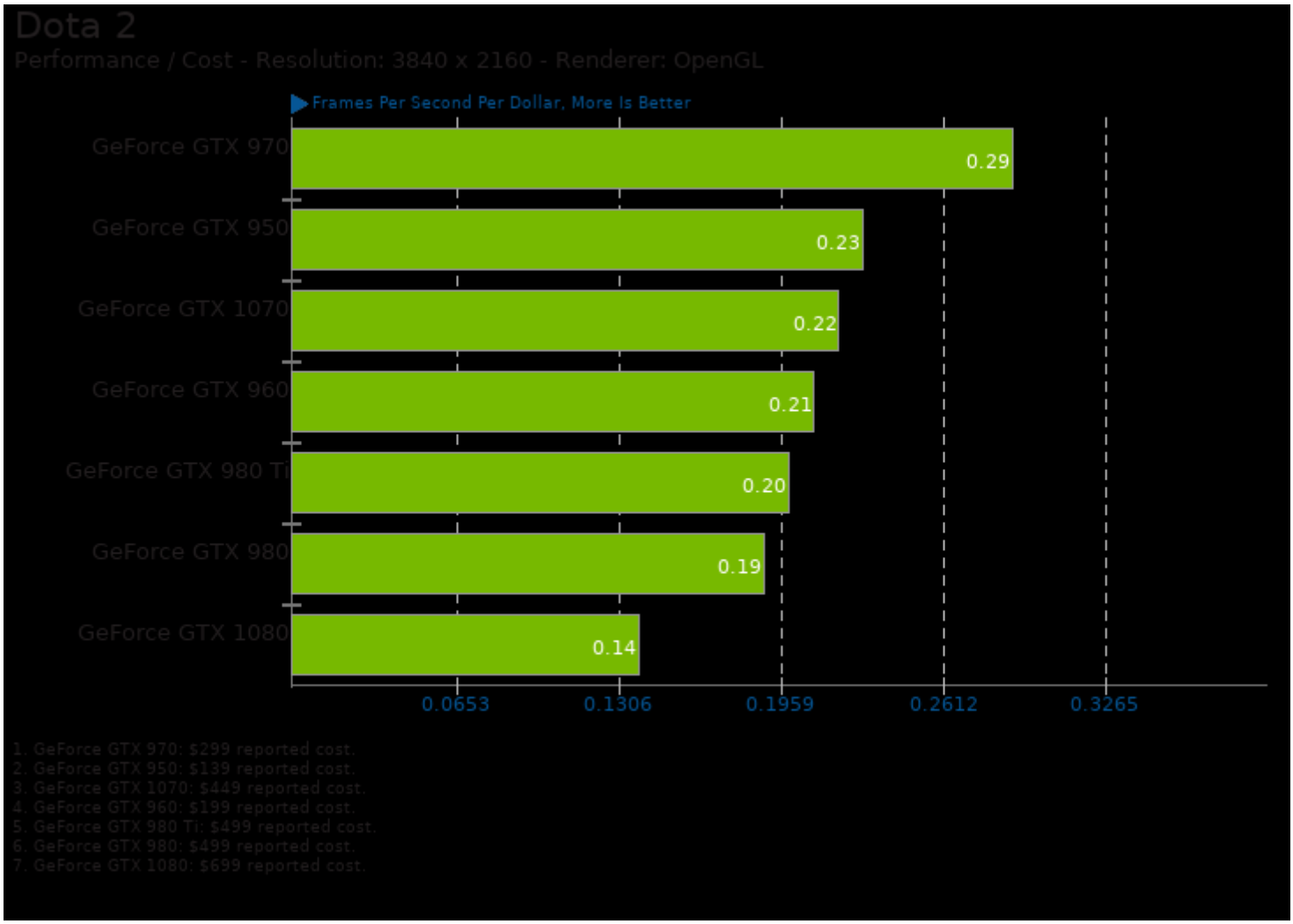
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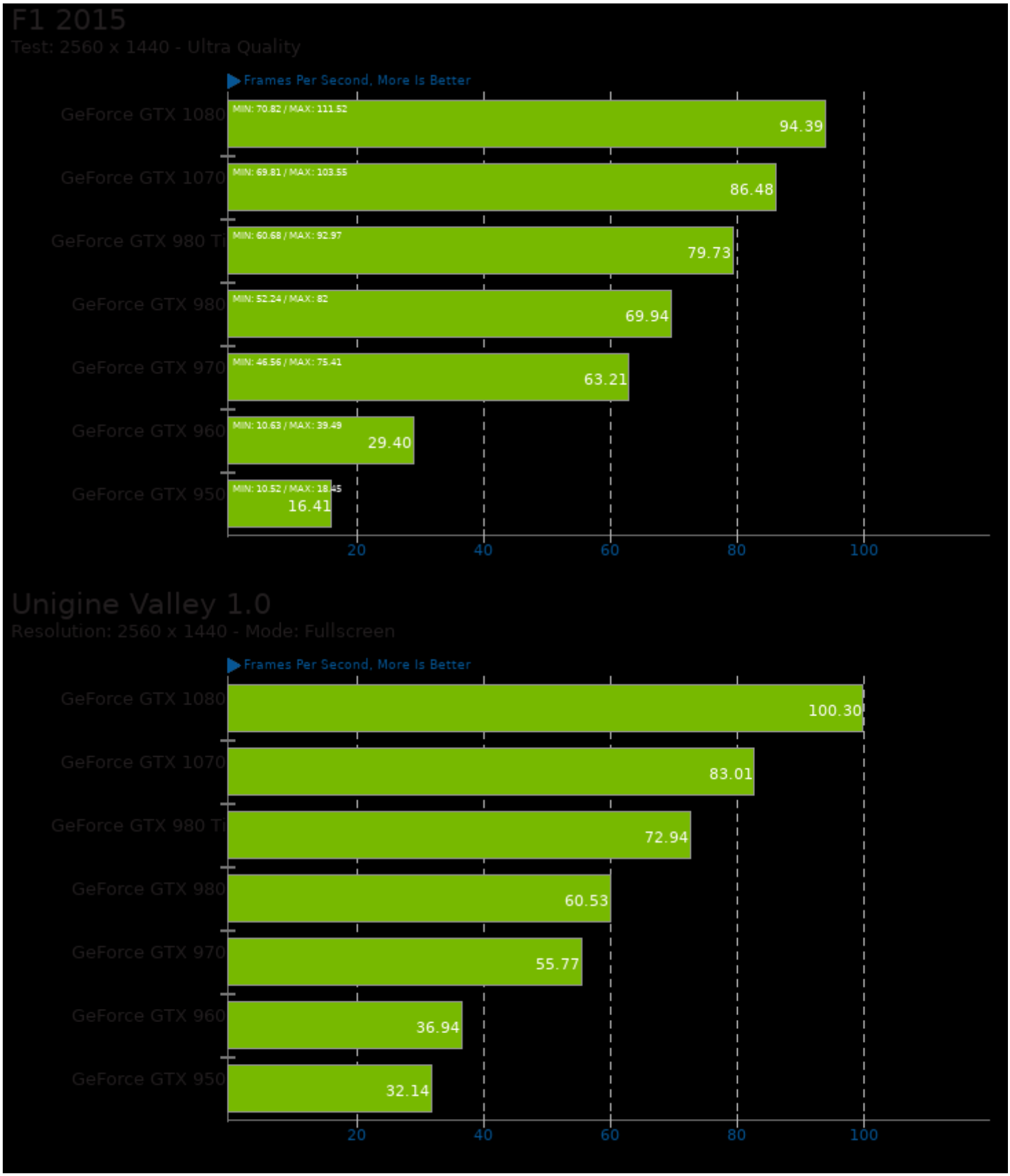
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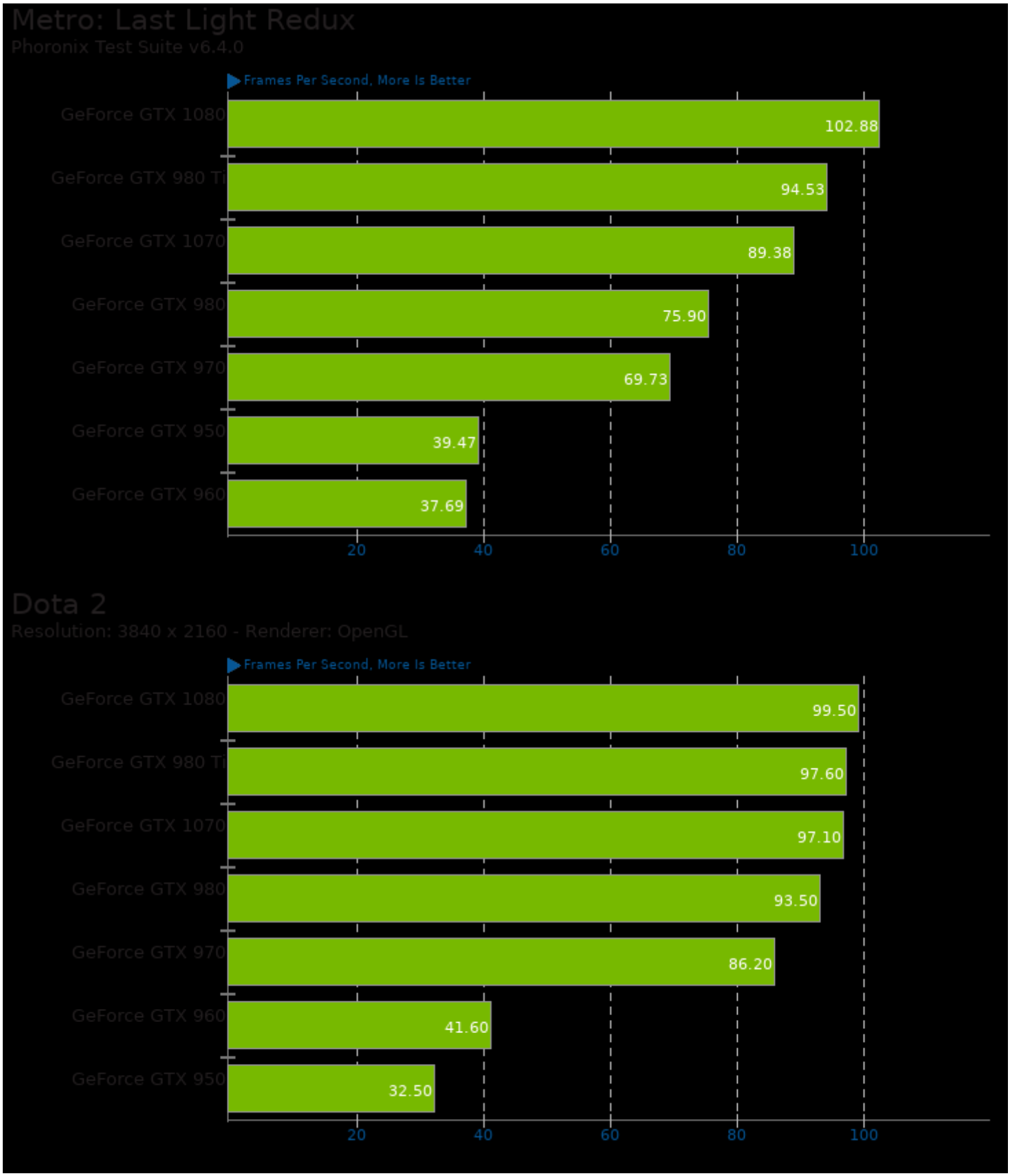
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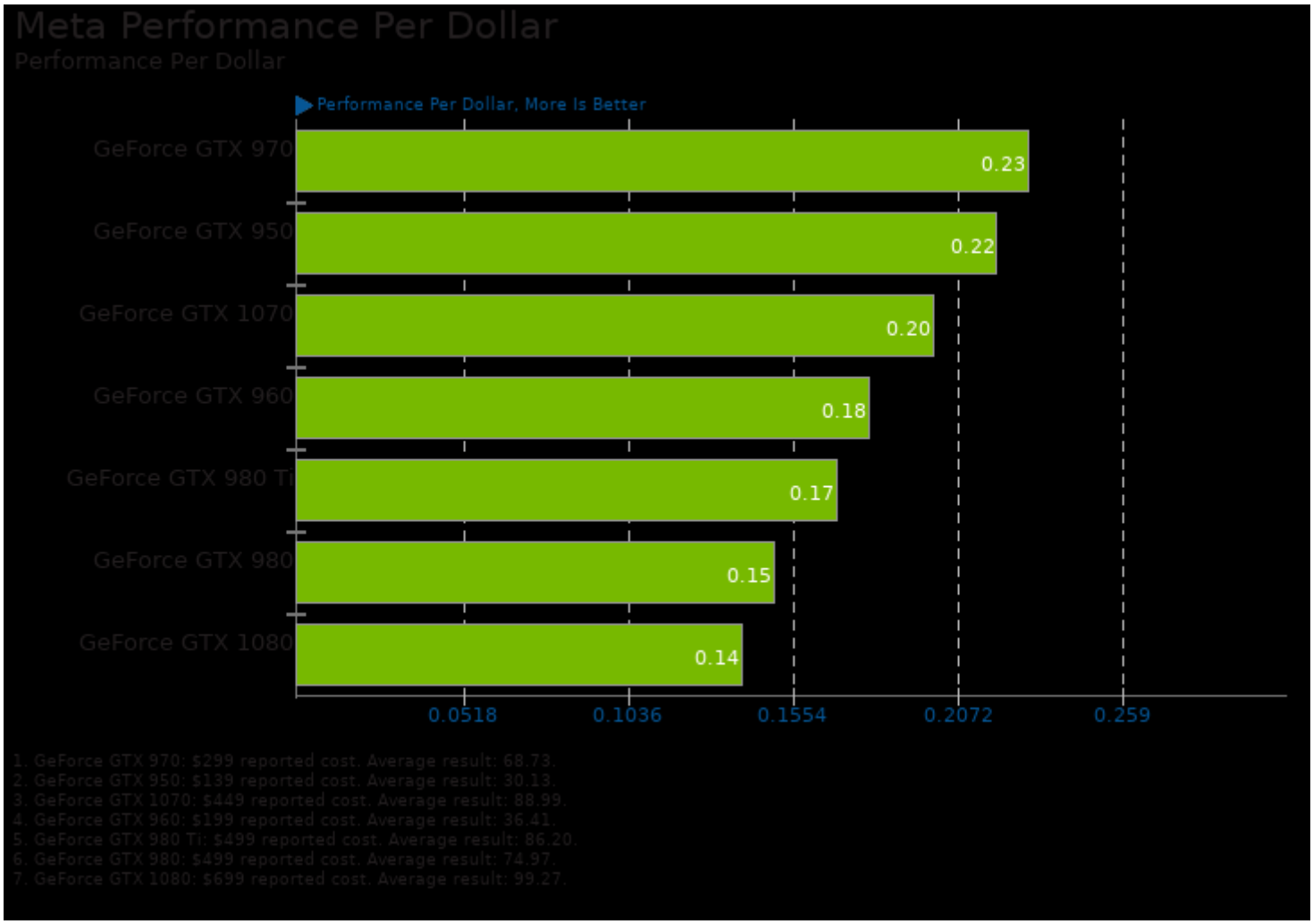
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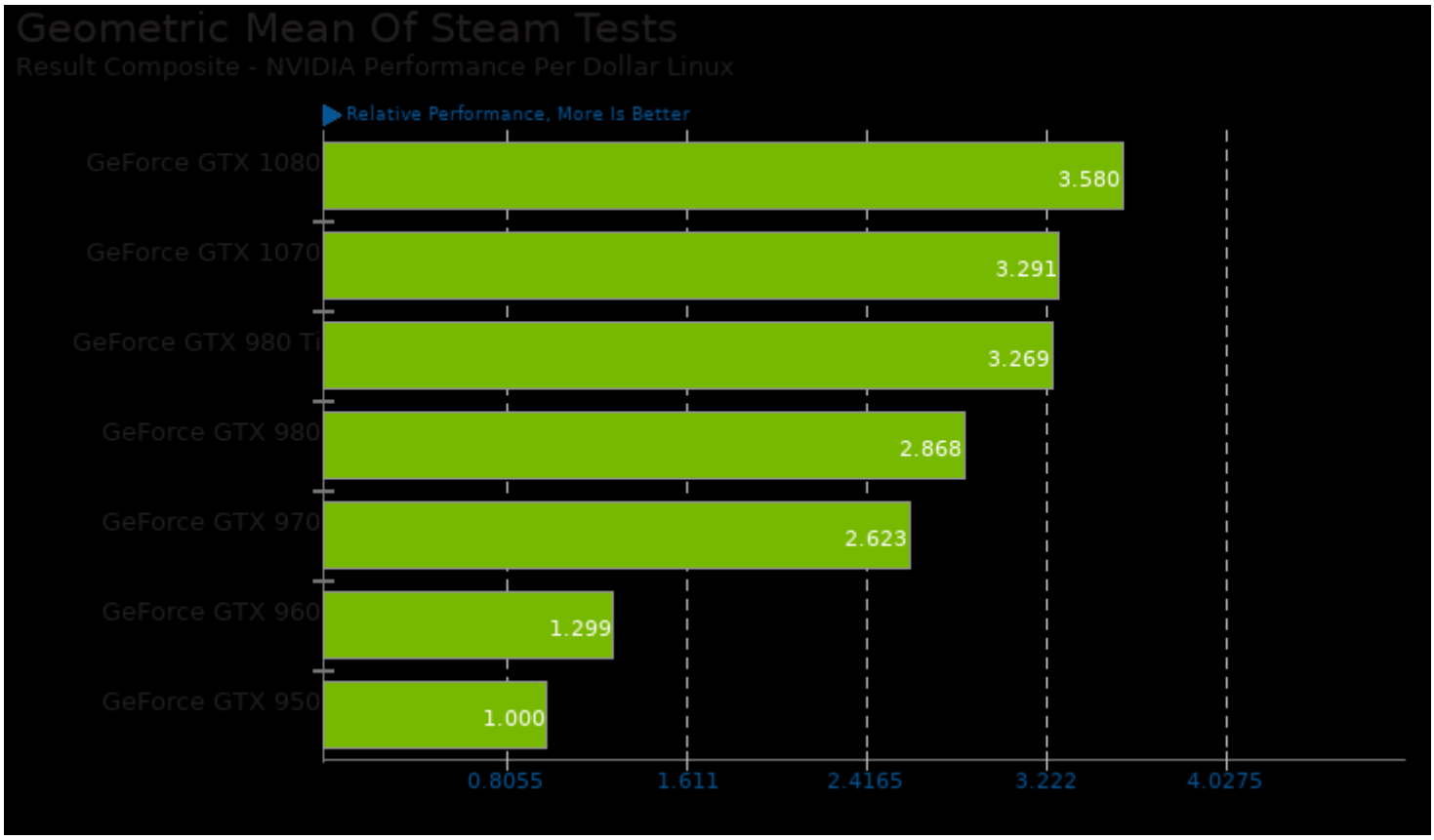


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These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/dota2, pts/metroll-redux and pts/f12015

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:50.