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cyberpunk 2077 radeon

AMD Ryzen 9 7950X 16-Core testing with a ASUS ROG CROSSHAIR X670E HERO (0805 BIOS) and AMD Radeon RX 6800 XT 16GB on Ubuntu 22.10 via the Phoronix Test Suite.

Automated Executive Summary

radeon rx 6800 xt had the most wins, coming in first place for 58% of the tests.

Based on the geometric mean of all complete results, the fastest (radeon rx 6800 xt) was 1.002x the speed of the slowest (rx 6800 xt).

Test Systems:

rx 6800 xt

radeon rx 6800 xt

Processor: AMD Ryzen 9 7950X 16-Core @ 4.50GHz (16 Cores / 32 Threads), Motherboard: ASUS ROG CROSSHAIR

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X670E HERO (0805 BIOS), Chipset: AMD Device 14d8, Memory: 32GB, Disk: 1000GB Sabrent Rocket 4.0 Plus + 2000GB, Graphics: AMD Radeon RX 6800 XT 16GB (2575/1000MHz), Audio: AMD Navi 21/23, Monitor: ASUS MG28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.10, Kernel: 6.1.0-rc7-phx (x86_64), Desktop: GNOME Shell 43.0, Display Server: X Server 1.21.1.4 + Wayland, OpenGL: 4.6 Mesa 23.0.0-devel (git-224e9ce 2022-12-02 kinetic-oibaf-ppa) (LLVM 15.0.5 DRM 3.49), Vulkan: 1.3.235, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 3840x2160

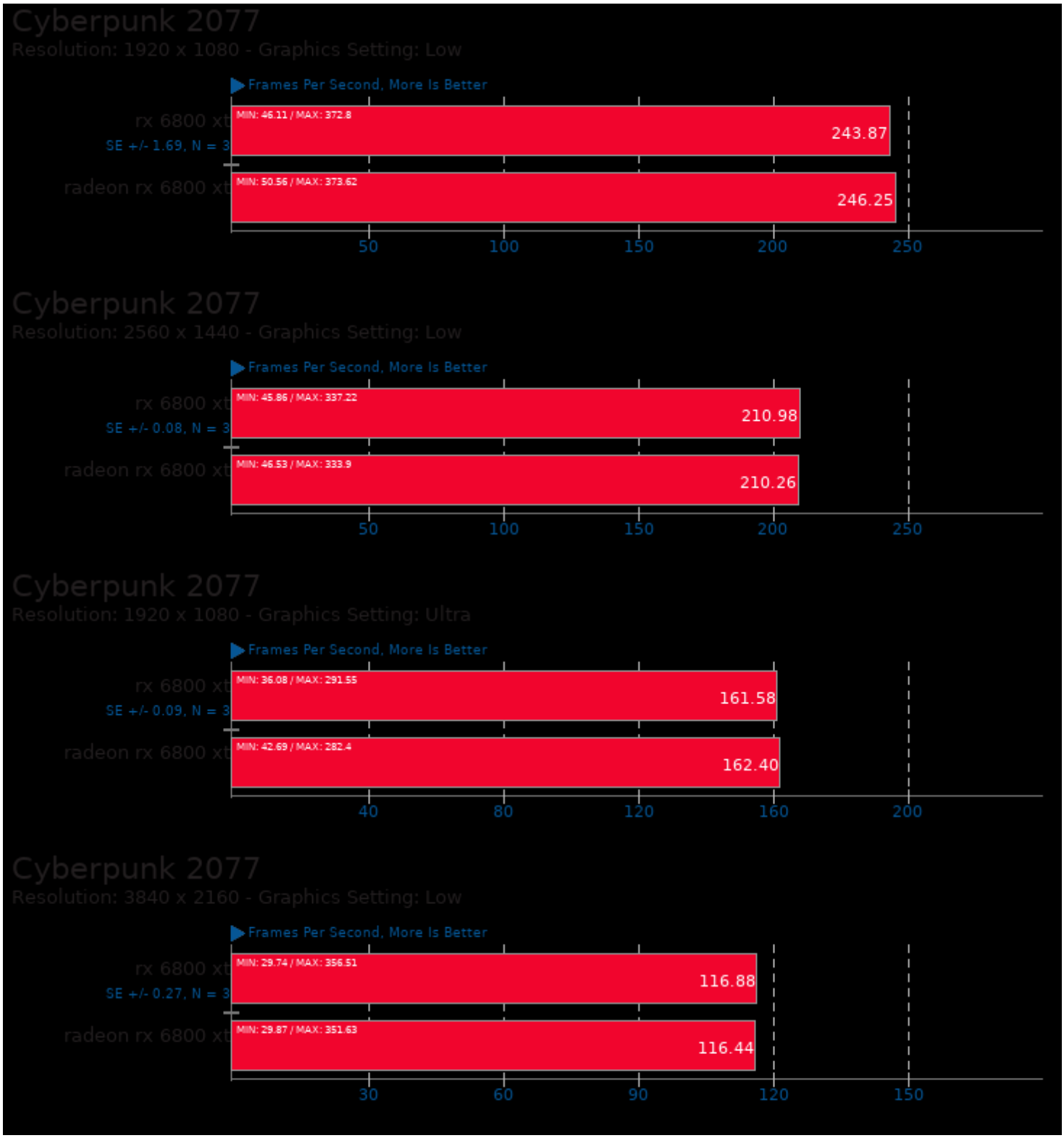
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0xa601203
Graphics Notes: BAR1 / Visible vRAM Size: 16368 MB - vBIOS Version: 113-D4120500-101
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: conditional IBRS_FW STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

	rx 6800 xt	radeon rx 6800 xt
Cyberpunk 2077 - 1920 x 1080 - Low (FPS)	**243.87**	**246.25**
Normalized	99.03%	100%
Standard Deviation	1.2%	
Cyberpunk 2077 - 2560 x 1440 - Low (FPS)	**210.98**	**210.26**
Normalized	100%	99.66%
Standard Deviation	0.1%	
Cyberpunk 2077 - 1920 x 1080 - Ultra (FPS)	**161.58**	**162.40**
Normalized	99.5%	100%
Standard Deviation	0.1%	
Cyberpunk 2077 - 3840 x 2160 - Low (FPS)	**116.88**	**116.44**
Normalized	100%	99.62%
Standard Deviation	0.4%	
Cyberpunk 2077 - 3840 x 2160 - Medium (FPS)	**109.34**	**110.54**
Normalized	98.91%	100%
Standard Deviation	1%	
Cyberpunk 2077 - 3840 x 2160 - Ultra (FPS)	**47.94**	**48.08**
Normalized	99.71%	100%
Standard Deviation	0.1%	
Cyberpunk 2077 - 2560 x 1440 - Ultra (FPS)	**105.20**	**105.39**
Normalized	99.82%	100%
Standard Deviation	0.1%	
Cyberpunk 2077 - 3840 x 2160 - High (FPS)	**72.22**	**72.18**
Normalized	100%	99.94%
Standard Deviation	0%	
Cyberpunk 2077 - 2560 x 1440 - High (FPS)	**139.80**	**139.77**
Normalized	100%	99.98%
Standard Deviation	0.1%	
Cyberpunk 2077 - 2560 x 1440 - Medium (FPS)	**184.84**	**185.18**
Normalized	99.82%	100%
Standard Deviation	0.2%	
Cyberpunk 2077 - 1920 x 1080 - Medium (FPS)	**226.67**	**226.16**
Normalized	100%	99.78%
Standard Deviation	0.2%	
Cyberpunk 2077 - 1920 x 1080 - High (FPS)	**192.91**	**193.41**
Normalized	99.74%	100%

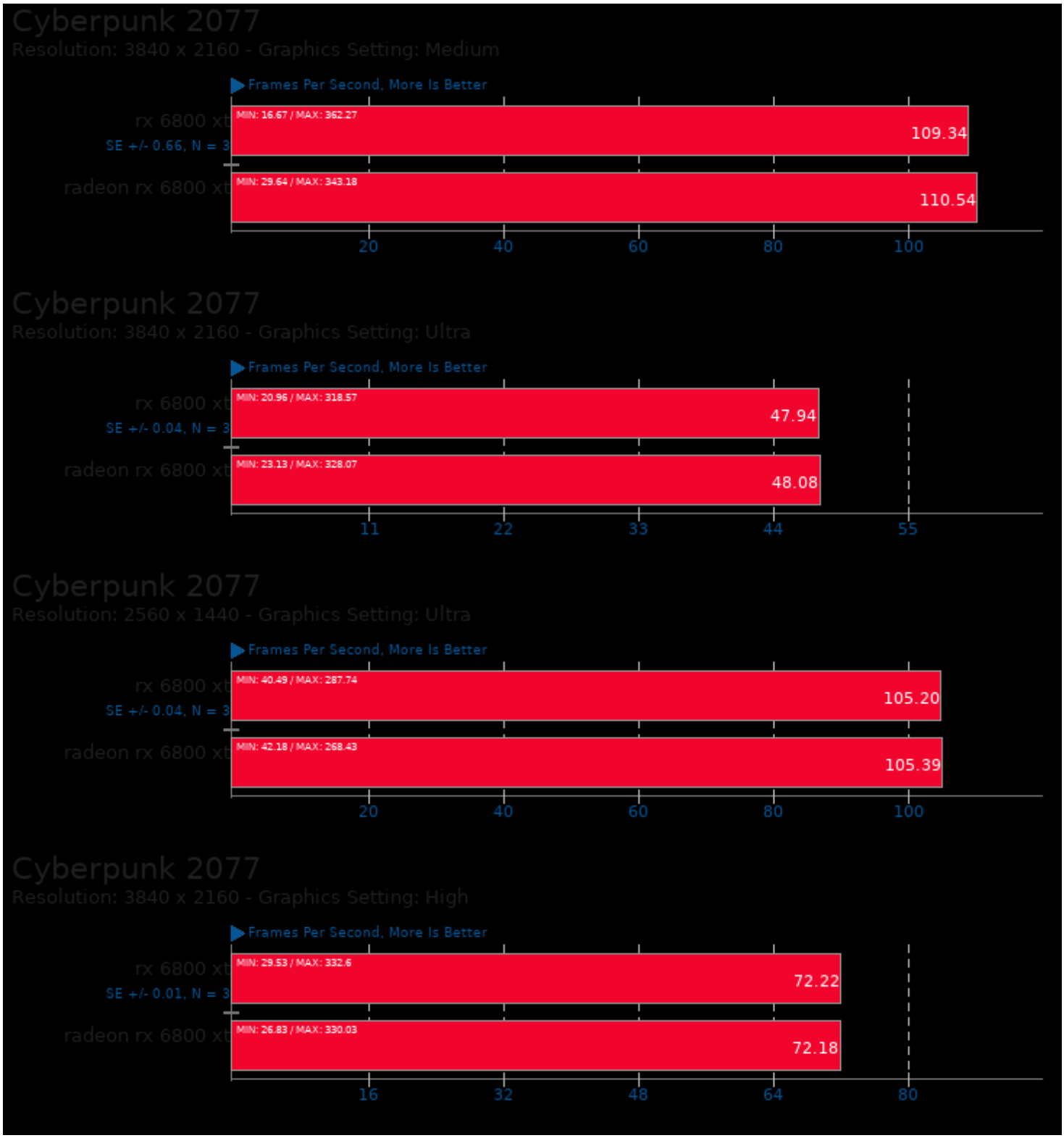
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Standard Deviation 0.2%

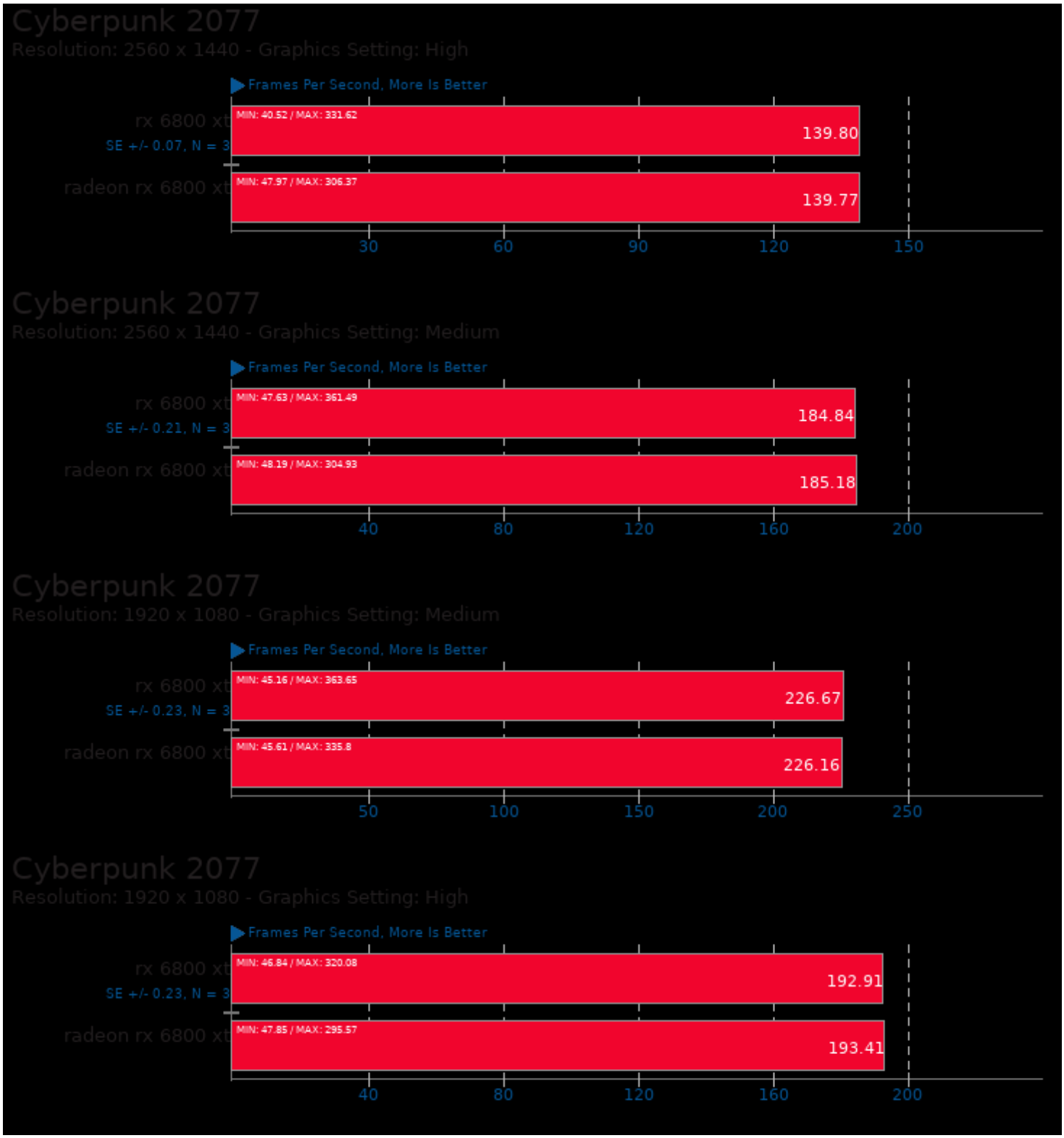
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