25% pre-comp, receiver output

Green, .-.-.-.-. pattern is 101010101010101

RED, _ _ _ _ _ _ pattern is
11111110111111110111111110 No pre-comp

Solid Black, has pre-comp, same
11111110111111110111111110 pattern as above.

1st solid black signal is ~.5ns delay from 1st green dot-dash signal. Red dashed signal is 1 ns delayed
50% pre-comp, receiver output

Solid black signal is nearly identical to dot-dash green, so, from this you can see that for 50% pre-comp, no extra overdrive is needed.

Also, note the difference in delay between the 1\textsuperscript{st} green dot-dash and the 1\textsuperscript{st} red dashed delay, about 1\text{ns}. 
50% pre-comp, receiver input
25% pre-comp, receiver input, expanded view
33% pre-comp, receiver input
33% pre-comp, receiver output
Conclusions:

1) Only 80mV is needed for an eye opening with 50% pre-comp, the extra 70mV of overdrive from ultra160 isn’t needed.
2) If you do less than 50% pre-comp you can prorate.
3) 33% pre-comp only needs 75% of 70mV or about 20mV of extra overdrive.
4) 25% pre-comp needs about 35mV of extra overdrive.
5) Therefore, since 35mV + 80mV = 115mV, is much less than 130mV, 130mV is fine for an eye opening.