

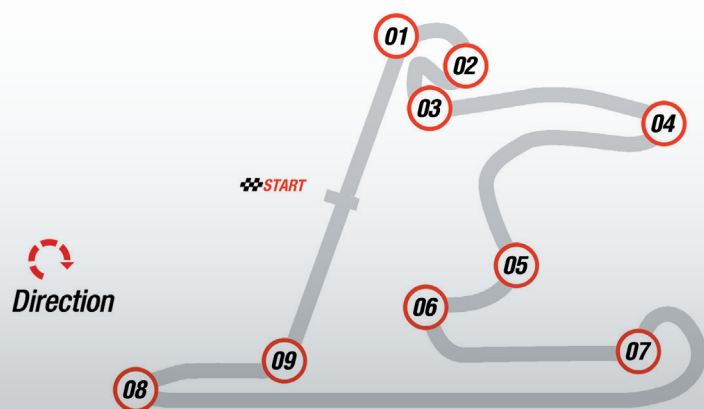


Circuits Identity Card **Formula 1**

**China** | Shanghai

19/10/2008

2008



International Circuit



- ▶ Length: **5.451 m**
- ▶ Number of laps: **56**
- ▶ Type of circuit: **Medium**
- ▶ Number of brakings: **9**
- ▶ Pole 2007: **L. Hamilton - McLaren 1'35''908**
- ▶ Time spent under braking per lap: **15%**
- ▶ Expected time spent under brake on 2008: **11%**

**BRAKING ANALYSIS**

**01**

	SEASON DATA 2007	FORECAST DATA 2008	
Initial speed	300	<b>316</b>	[Km/h]
Final speed	195	<b>184</b>	[Km/h]
Stopping distance	116	<b>142</b>	[m]
Braking time	1,75	<b>2,16</b>	[sec]
Maximum deceleration	2,8	<b>3,1</b>	[g]
Maximum disc temperature	740	<b>557</b>	°C
Maximum pedal load	77	<b>81</b>	[Kg]

**02**

Initial speed	180	<b>163</b>	[Km/h]
Final speed	110	<b>105</b>	[Km/h]
Stopping distance	81	<b>64</b>	[m]
Braking time	1,97	<b>1,75</b>	[sec]
Maximum deceleration	1,8	<b>1,3</b>	[g]
Maximum disc temperature	720	<b>489</b>	°C
Maximum pedal load	41	<b>33</b>	[Kg]

**03**

Initial speed	120	<b>129</b>	[Km/h]
Final speed	105	<b>87</b>	[Km/h]
Stopping distance	25	<b>42</b>	[m]
Braking time	0,58	<b>1,44</b>	[sec]
Maximum deceleration	1,0	<b>1,4</b>	[g]
Maximum disc temperature	500	<b>483</b>	°C
Maximum pedal load	19	<b>55</b>	[Kg]

**04**

Initial speed	280	<b>293</b>	[Km/h]
Final speed	85	<b>93</b>	[Km/h]
Stopping distance	105	<b>107</b>	[m]
Braking time	2,19	<b>2,31</b>	[sec]
Maximum deceleration	4	<b>4,4</b>	[g]
Maximum disc temperature	900	<b>801</b>	°C
Maximum pedal load	125	<b>127</b>	[Kg]

**05**

Initial speed	270	<b>269</b>	[Km/h]
Final speed	180	<b>194</b>	[Km/h]
Stopping distance	77	<b>99</b>	[m]
Braking time	1,13	<b>1,56</b>	[sec]
Maximum deceleration	2,7	<b>2,3</b>	[g]
Maximum disc temperature	540	<b>574</b>	°C
Maximum pedal load	71	<b>55</b>	[Kg]

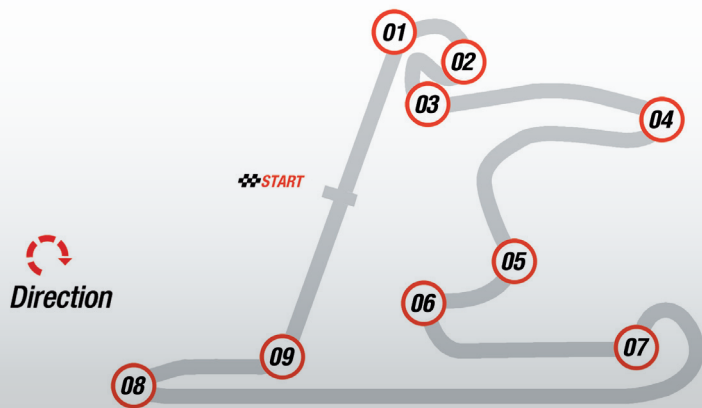


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**BRAKING ANALYSIS**

**06**

	SEASON DATA 2007	FORECAST DATA 2008	
Initial speed	200	195	[Km/h]
Final speed	110	116	[Km/h]
Stopping distance	70	74	[m]
Braking time	1,65	1,78	[sec]
Maximum deceleration	2,2	2,3	[g]
Maximum disc temperature	560	580	°C
Maximum pedal load	64	72	[Kg]

**07**

Initial speed	270	286	[Km/h]
Final speed	100	87	[Km/h]
Stopping distance	87	109	[m]
Braking time	1,82	2,51	[sec]
Maximum deceleration	3,7	4,8	[g]
Maximum disc temperature	880	948	°C
Maximum pedal load	112	141	[Kg]

**08**

Initial speed	310	315	[Km/h]
Final speed	64	78	[Km/h]
Stopping distance	123	118	[m]
Braking time	2,82	2,49	[sec]
Maximum deceleration	4,2	4,7	[g]
Maximum disc temperature	940	880	°C
Maximum pedal load	124	135	[Kg]

**09**

Initial speed	245	262	[Km/h]
Final speed	150	157	[Km/h]
Stopping distance	65	71	[m]
Braking time	1,12	1,26	[sec]
Maximum deceleration	3,4	3,3	[g]
Maximum disc temperature	860	870	°C
Maximum pedal load	107	105	[Kg]