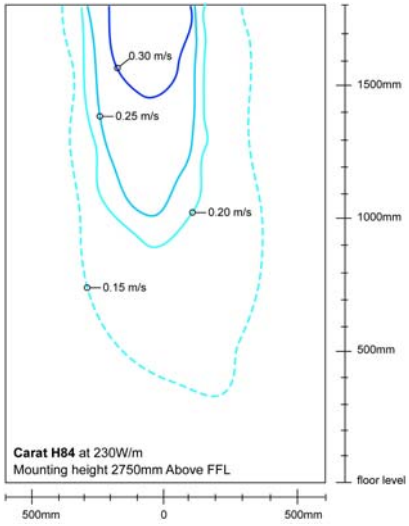
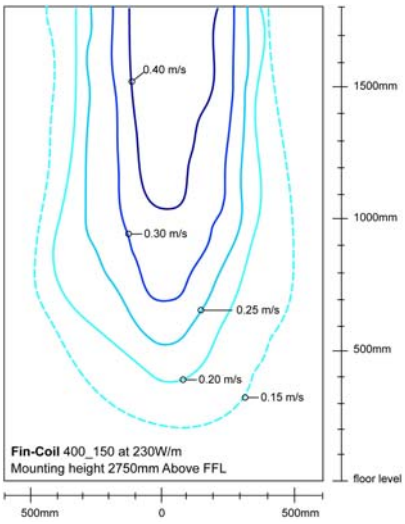
The following testing was carried out in May 2005 on passive chilled beams positioned above a metal ceiling system perforated to 33% free area.

Carat H-84

Cooling Effect (W/m)	230
Convective HT Ratio %	65
Radiant HT Ratio %	35
Room Temperature °C	24

Height Above FFL	Air Velocity (m/s)			Local Air Temp (°C)	ST Dev	Turbulence Intensity (%)	Draught Rating (% dissatisfied)
	Avg	Max	Min				
150mm	0.084	0.105	0.055	23.7	0.018	21.18	4.8
1100mm	0.152	0.178	0.045	23.7	0.043	28.30	11.8
1800mm	0.174	0.213	0.021	23.6	0.047	27.15	14.0





Finned-Tube Battery

Cooling Effect (W/m)	230
Convective HT Ratio %	95
Radiant HT Ratio %	5
Room Temperature °C	24

Height Above FFL	Air Velocity (m/s)			Local Air Temp (°C)	Standard Deviation	Turbulence Intensity (%)	Draught Rating (% dissatisfied)
	Avg	Max	Min				
150mm	0.092	0.115	0.061	22.6	0.019	20.45	6.2
1100mm	0.222	0.260	0.066	22.3	0.067	30.15	**22.0**
1800mm	0.255	0.311	0.031	21.9	0.085	33.32	**28.4**

Note: ISO 7730 identifies a maximum permissible Draught Rating of 15% for comfort