

3.3 COEFFICIENT OF DISCHARGE

MANUFACTURER INSOL Ltd
 MODEL Zenith Mono 50

Date 19/08/2016
 Contract 59678

air temperature 20.2 °C louvre height 1094 mm
 barometer 998.1 mbar louvre width 1070 mm
 air density 1.181 kg/m³ louvre area 1.171 m²

louvre pd Pascals	louvre face velocity	air flow rate		coefficient C _d
	m/s	test m ³ /s	theoretical m ³ /s	
10.1	1.55	1.812	4.842	0.374
11.3	1.65	1.931	5.122	0.377
13.6	1.83	2.147	5.619	0.382
16.3	2.02	2.364	6.151	0.384
19.4	2.21	2.583	6.711	0.385
22.4	2.39	2.794	7.211	0.387
28.7	2.77	3.241	8.162	0.397
36.3	3.14	3.676	9.180	0.400
43.9	3.48	4.074	10.095	0.404
48.1	3.64	4.258	10.567	0.403
mean C _d				0.389
Class				2

