3 RESULTS

Rainwater Penetration

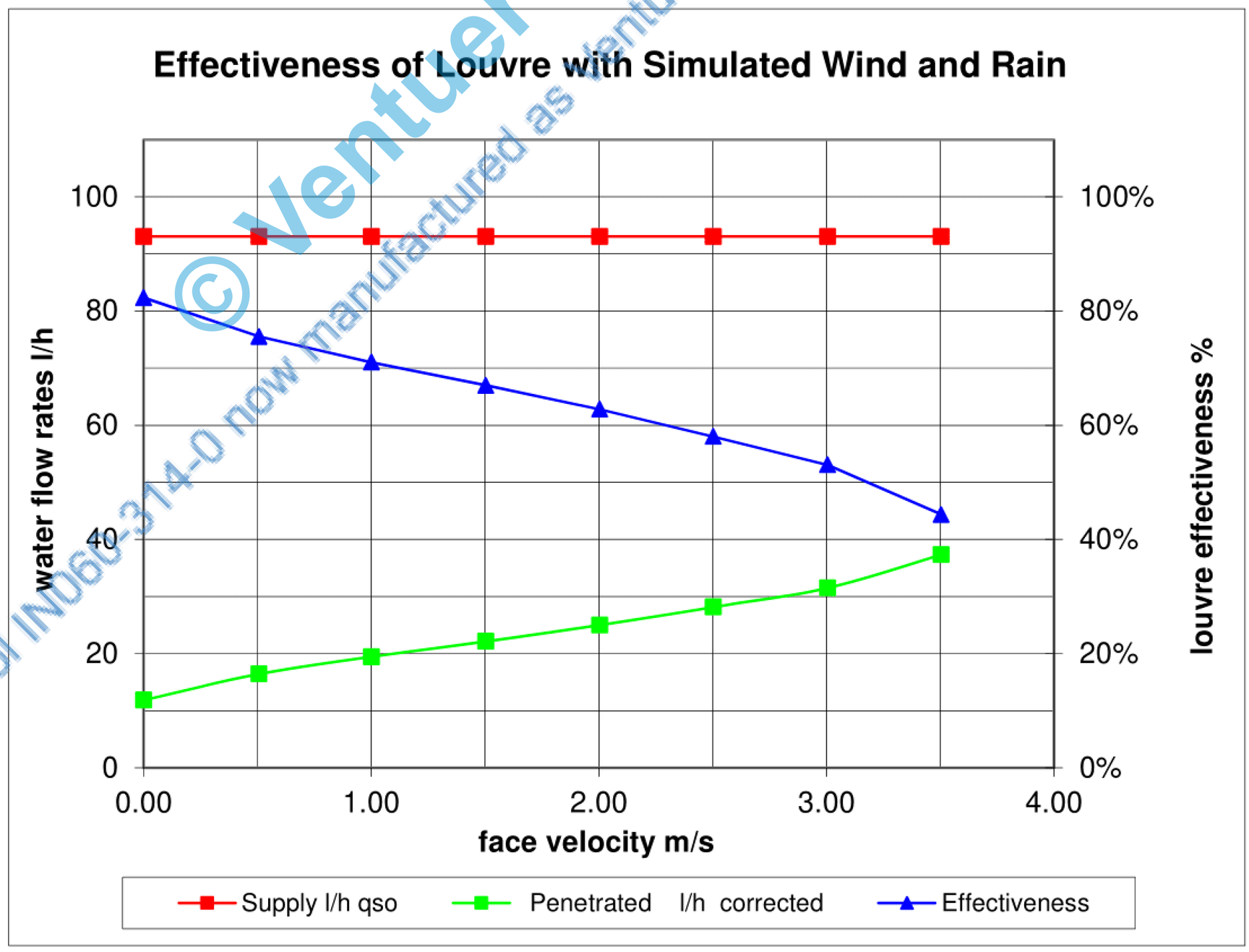
MANUFACTURER Insol Ltd
MODEL IN060-314-0

Date 20/02/2010
Contract 55646A2

Simulated rainfall 75 mm/hr
Wind speed 13.0 m/s

louvre height 913 mm
louvre width 980 mm
louvre area 0.895 m^2

VENTILATION RATE		WATER FLOW RATES		Effectiveness	Class
Volume m^3/s	Velocity m/s	Supply l/h	Penetrated l/h		
0.00	0.00	93.0	11.9	82.3%	C
0.45	0.51	93.0	16.4	75.5%	D
0.90	1.00	93.0	19.5	71.0%	D
1.35	1.50	93.0	22.2	67.0%	D
1.79	2.00	93.0	25.0	62.8%	D
2.24	2.50	93.0	28.2	58.0%	D
2.69	3.01	93.0	31.5	53.0%	D
3.14	3.51	93.0	37.3	44.4%	D



Coefficient of Entry

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air temperature	17	°C
barometer	1021	mbar
air density	1.221	kg/m^3

louvre height	913	mm
louvre width	980	mm
louvre area	0.895	m^2

louvre pd Pascals	louvre face velocity m/s	air flow rate test m^3/s	air flow rate theoretical m^3/s	coefficient C_e
99.0	4.67	4.182	11.394	0.367
92.0	4.51	4.037	10.984	0.368
82.0	4.27	3.819	10.370	0.368
69.0	3.94	3.525	9.512	0.371
51.0	3.40	3.045	8.178	0.372
34.4	2.81	2.516	6.716	0.375
25.0	2.42	2.161	5.726	0.377
19.1	2.11	1.891	5.005	0.378
13.6	1.84	1.644	4.223	0.389
10.6	1.65	1.474	3.728	0.395

mean C_e	0.376
Class	2