RESULTS WEATHER LOUVRE TEST

RESULTS 3

Rainwater Penetration

MANUFACTURER Insol Ltd MODEL IN060-314-0

Date 20/02/2010 Contract 55646A2

louvre height

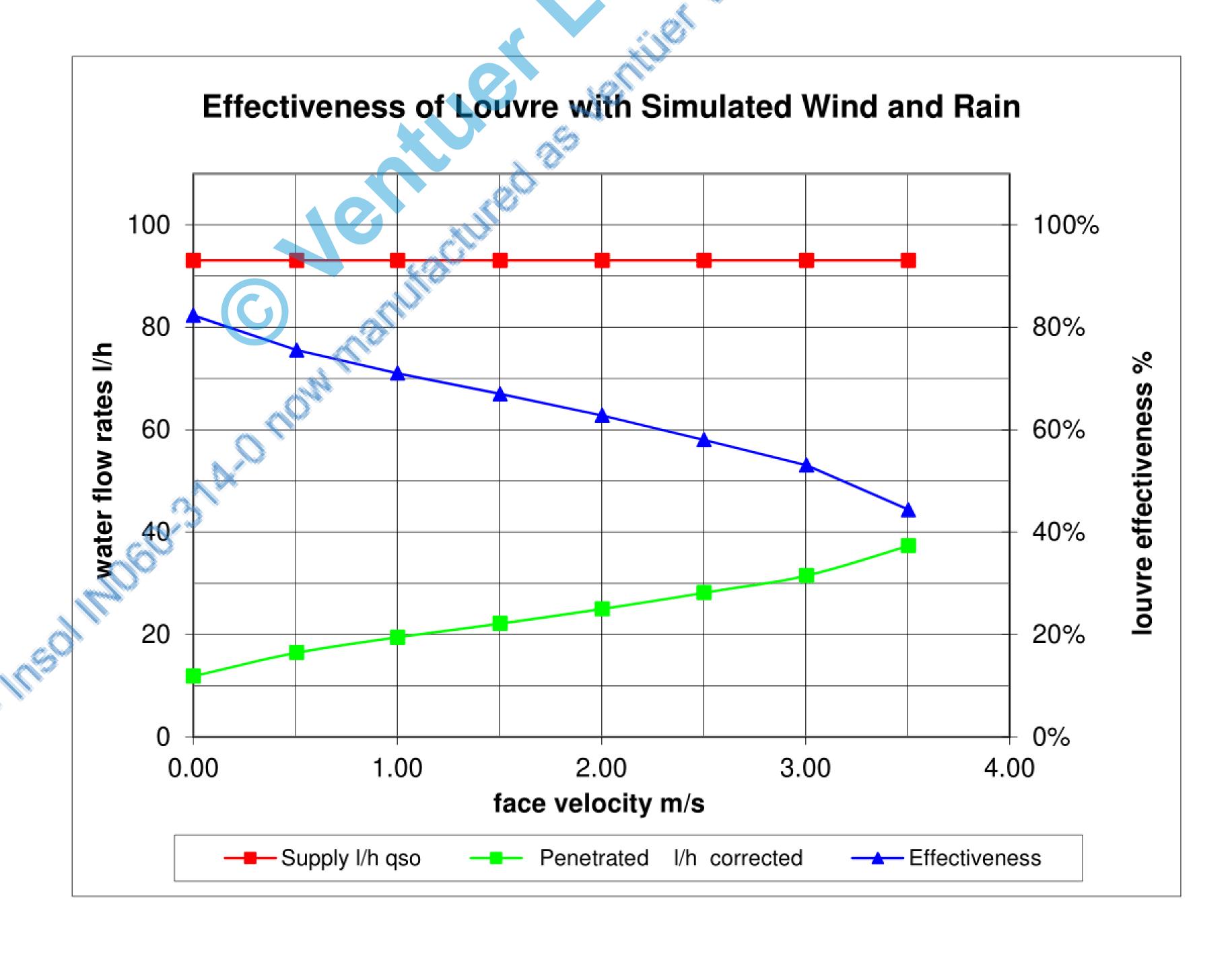
913 mm 980 mm louvre width

Simulated rainfall

mm/hr 75

louvre area 0.895 m² Wind speed 13.0 m/s

VENTILATION RATE		WATER FLOW RATES			Ć		
Volume	Velocity	Supply	Penetrated	Effectiveness	Class		
m³/s	m/s	l/h	l/h		-160		
					1311		
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		



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WEATHER LOUVRE TEST RESULTS

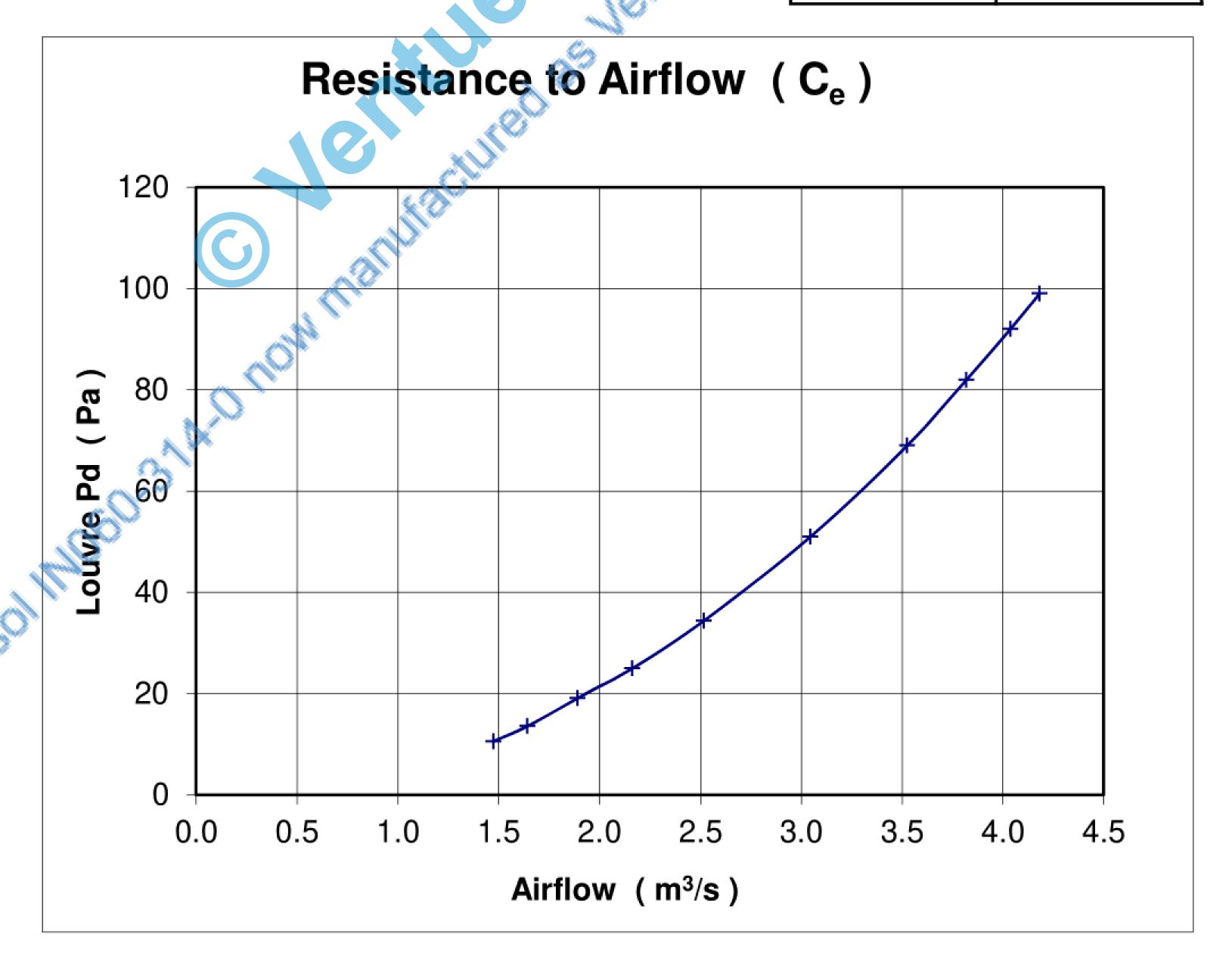
Date 20/02/2010

Coefficient of Entry

MANUFACTURER Insol Ltd MODEL IN060-314-0 Contract 55646A2

> 913 mm air temperature louvre height 1021 mbar 980 mm barometer louvre width 0.895 m^2 air density 1.221 kg/m³ louvre area

	louvre face velocity	air flow ra	ate	
louvre pd		test	theoretical	coefficient
Pascals	m/s	m³/s	m³/s	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



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