3 RESULTS

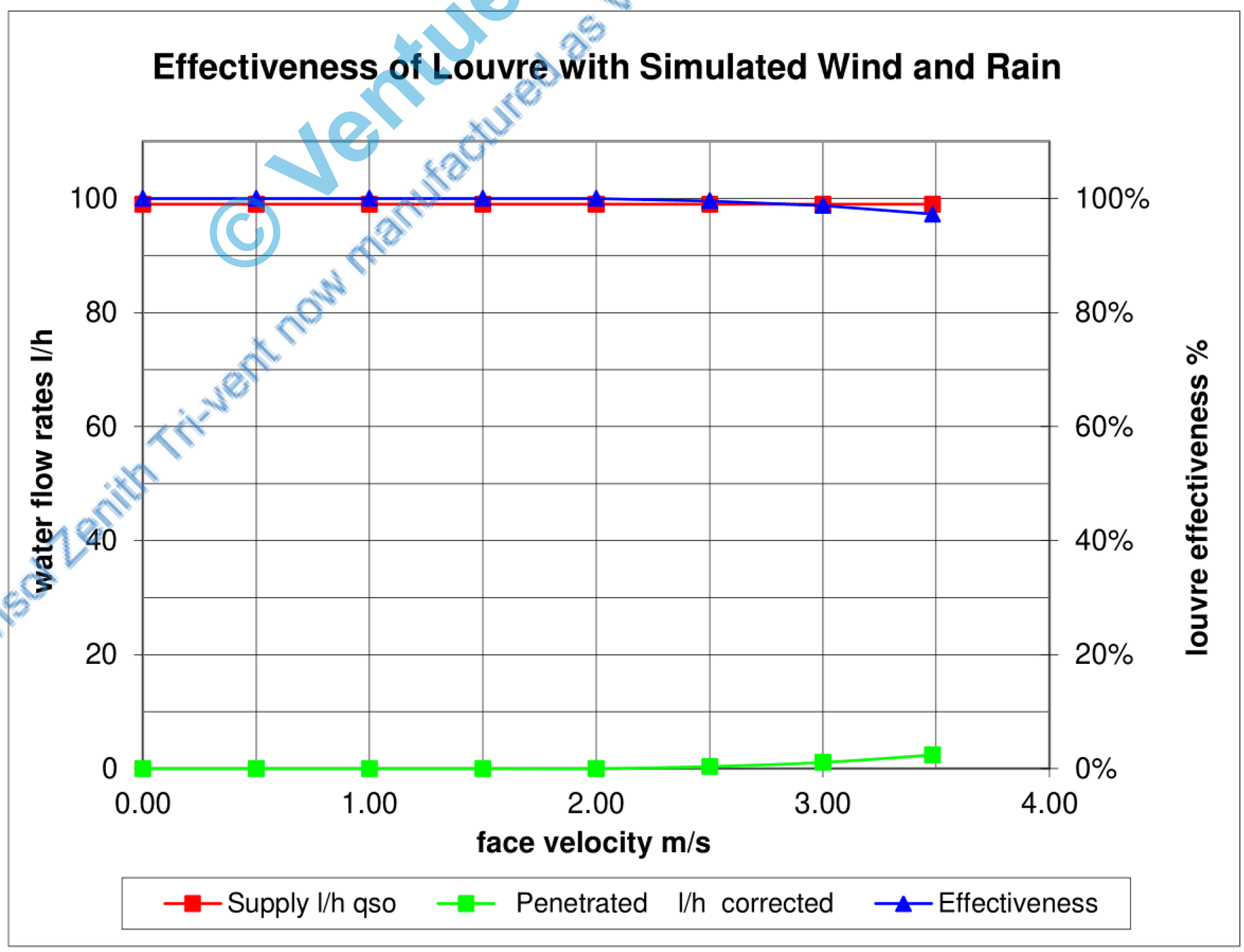
3.1 RAINWATER PENETRATION

MANUFACTURER INSOL Ltd. Date 15/08/2016
MODEL Zenith Tri-Vent Contract 59678

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

louvre height	1095	mm
louvre width	1069	mm
louvre area	1.171	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	99.0	0.0	100.0%	A
0.59	0.50	99.0	0.0	100.0%	A
1.17	1.00	99.0	0.0	100.0%	A
1.76	1.50	99.0	0.0	100.0%	A
2.34	2.00	99.0	0.0	100.0%	A
2.93	2.50	99.0	0.4	99.6%	A
3.51	3.00	99.0	1.1	98.8%	B
4.08	3.48	99.0	2.4	97.3%	B

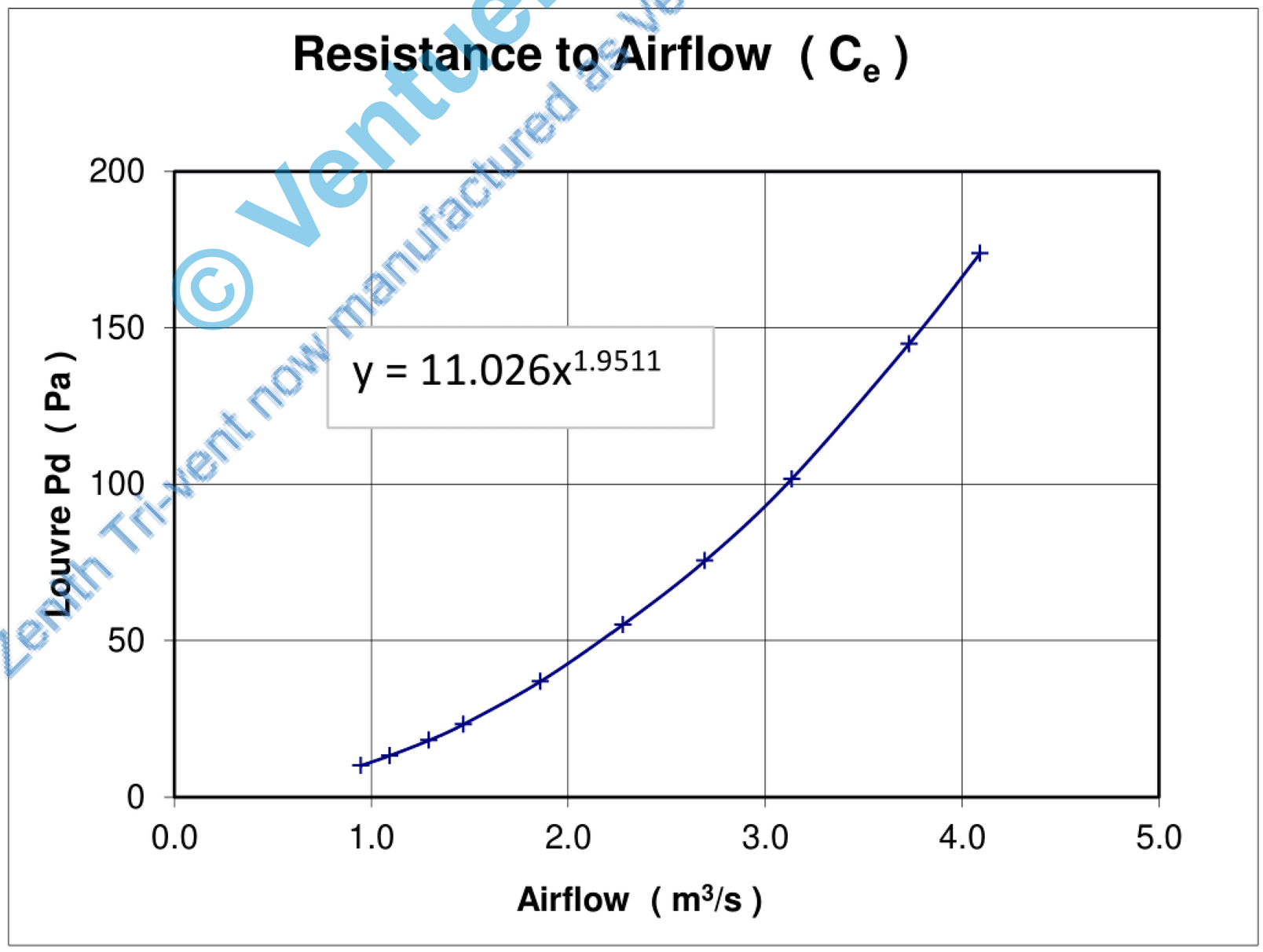


3.2 COEFFICIENT OF ENTRY

MANUFACTURER INSOL Ltd. Date 18/08/2016
MODEL Zenith Tri-Vent Contract 59678

air temperature	20.3	°C	louvre height	1095	mm
barometer	998.7	mbar	louvre width	1069	mm
air density	1.181	kg/m^3	louvre area	1.171	m^2

	louvre face velocity	air flow rate		
louvre pd Pascals	m/s	test m^3/s	theoretical m^3/s	coefficient C_e
10.0	0.81	0.947	4.817	0.197
13.2	0.93	1.094	5.535	0.198
18.1	1.10	1.293	6.481	0.200
23.2	1.25	1.468	7.338	0.200
36.9	1.59	1.859	9.254	0.201
55.1	1.95	2.278	11.308	0.201
75.5	2.30	2.694	13.237	0.204
101.7	2.68	3.135	15.363	0.204
144.9	3.19	3.731	18.337	0.203
173.8	3.50	4.092	20.083	0.204
			mean C_e	0.201
			Class	3



3.3 COEFFICIENT OF DISCHARGE

MANUFACTURER INSOL Ltd. Date 19/08/2016
MODEL Zenith Tri-Vent Contract 59678

air temperature	20.3	°C	louvre height	1095	mm
barometer	998	mbar	louvre width	1069	mm
air density	1.180	kg/m^3	louvre area	1.171	m^2

	louvre face velocity	air flow rate		
louvre pd Pascals	m/s	test m^3/s	theoretical m^3/s	coefficient C_e
10.5	0.65	0.756	4.938	0.153
14.5	0.77	0.899	5.803	0.155
19.9	0.91	1.063	6.798	0.156
27.6	1.07	1.247	8.006	0.156
35.7	1.22	1.423	9.105	0.156
56.7	1.54	1.799	11.475	0.157
100.9	2.06	2.408	15.307	0.157
155.2	2.58	3.017	18.985	0.159
223.5	3.09	3.611	22.782	0.159
266.8	3.38	3.959	24.891	0.159
			mean C_e	0.157
			Class	4