

Table 2: Sloped Roof Thermal Test Results

Bodycote sample no. 03-08-0506-2

Gross Area = 20.25 ft<sup>2</sup> 1.881 m<sup>2</sup>

Test No.	Test Date	Avg. (min.)	Time	G <sup>1</sup> (W/m <sup>2</sup> )	AM (°C)	T <sub>inlet</sub> <sup>2</sup> (°C)	T <sub>outlet</sub> (°C)	Airflow (SCFM)	m (kg/s)	Efficiency <sup>3</sup> (%)	Airflow (cfm/ft <sup>2</sup> )
1	2003-Sep-08	5	16:45	887	21.2	47.8	67.8	12.16	0.0069	8.8	0.6
	2003-Sep-08	5	16:50	887	21.2	47.9	67.7	12.16	0.0069	8.8	0.6
	2003-Sep-08	5	16:55	887	21.3	47.8	67.7	12.16	0.0069	8.8	0.6
	2003-Sep-08	5	17:00	887	21.3	47.6	67.8	12.16	0.0069	8.9	0.6
2	2003-Sep-09	5	10:44	895	21.3	39.6	65.2	20.07	0.0114	18.1	1.0
	2003-Sep-09	5	10:49	894	21.4	39.7	65.3	20.07	0.0114	18.1	1.0
	2003-Sep-09	5	10:54	892	21.3	39.7	65.2	20.07	0.0114	18.1	1.0
	2003-Sep-09	5	10:59	897	21.3	39.9	65.2	20.07	0.0114	17.9	1.0
3	2003-Sep-09	5	13:32	898	21.4	34.2	57.1	40.17	0.0227	32.0	2.0
	2003-Sep-09	5	13:37	898	21.5	34.2	57.1	40.17	0.0227	32.1	2.0
	2003-Sep-09	5	13:42	895	21.4	34.2	57.1	40.17	0.0227	32.1	2.0
	2003-Sep-09	5	13:47	895	21.4	34.2	57.1	40.17	0.0227	32.1	2.0
4	2003-Sep-10	5	11:39	894	7.8	22.5	44.0	40.09	0.0227	29.5	2.0
	2003-Sep-10	5	11:44	894	7.8	22.6	44.0	40.09	0.0227	29.5	2.0
	2003-Sep-10	5	11:49	892	7.8	22.7	44.0	40.09	0.0227	29.4	2.0
	2003-Sep-10	5	11:54	890	7.8	22.7	44.1	40.09	0.0227	29.5	2.0
5	2003-Sep-10	5	16:40	896	7.5	37.2	52.5	20.06	0.0114	10.8	1.0
	2003-Sep-10	5	16:45	896	7.5	37.4	52.5	20.06	0.0114	10.6	1.0
	2003-Sep-10	5	16:50	895	7.5	37.7	52.6	20.06	0.0114	10.5	1.0
	2003-Sep-10	5	16:55	895	7.5	37.5	52.6	20.06	0.0114	10.6	1.0
6	2003-Sep-10	5	19:04	897	7.4	37.0	55.4	12.06	0.0068	7.8	0.6
	2003-Sep-10	5	19:09	895	7.4	36.9	55.4	12.06	0.0068	7.8	0.6
	2003-Sep-10	5	19:14	897	7.4	36.5	55.4	12.06	0.0068	8.0	0.6
	2003-Sep-10	5	19:19	900	7.4	36.7	55.5	12.06	0.0068	7.9	0.6

NOTES: <sup>1</sup> Corrected

<sup>2</sup> Air temperature measured at inlet opening to centre collector area.

<sup>3</sup> Efficiency based on gross area of collector.