

SolarFlair Clean Energy Solutions		INSOLATION CHART FOR WORCESTER, MA - NORMALIZED FOR IDEAL CONDITIONS OF AZIMUTH = 180 AND INCLINATION = 37																																					
Inclination		Azimuth																																					
Rise / Run	Degrees	270	265	260	255	250	245	240	235	230	225	220	215	210	205	200	195	190	185	180	175	170	165	160	155	150	145	140	135	130	125	120	115	110	105	100	95	90	
0 / 12	0	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%
1 / 12	5	83%	83%	84%	84%	84%	85%	85%	85%	86%	86%	86%	86%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	87%	86%	86%	86%	86%	85%	85%	85%	84%	84%	84%	84%	83%
2 / 12	9	82%	83%	84%	84%	85%	86%	86%	87%	87%	88%	88%	89%	89%	89%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	89%	89%	89%	88%	88%	87%	87%	86%	86%	85%	84%	84%	84%	83%
3 / 12	14	82%	83%	84%	84%	85%	86%	87%	88%	89%	90%	90%	91%	92%	92%	92%	93%	93%	93%	93%	93%	93%	93%	93%	92%	92%	91%	91%	90%	90%	89%	88%	87%	86%	85%	84%	83%	82%	
4 / 12	18	81%	82%	83%	84%	86%	87%	88%	89%	90%	91%	92%	92%	93%	94%	94%	95%	95%	95%	95%	95%	95%	95%	94%	94%	94%	93%	92%	92%	91%	90%	89%	88%	87%	85%	84%	83%	82%	
5 / 12	23	79%	81%	82%	84%	85%	87%	88%	89%	91%	92%	93%	94%	95%	95%	96%	96%	97%	97%	97%	97%	97%	97%	96%	96%	95%	94%	94%	93%	92%	90%	89%	88%	87%	85%	84%	82%	80%	
6 / 12	27	78%	80%	81%	83%	85%	86%	88%	89%	91%	92%	93%	94%	95%	96%	97%	97%	98%	98%	98%	98%	98%	98%	97%	97%	96%	95%	94%	93%	92%	91%	89%	88%	86%	85%	83%	81%	79%	
7 / 12	30	77%	79%	81%	83%	84%	86%	88%	89%	91%	92%	93%	95%	96%	97%	97%	98%	99%	99%	99%	99%	99%	98%	98%	97%	96%	96%	95%	93%	92%	91%	89%	88%	86%	84%	82%	80%	79%	
8 / 12	34	76%	78%	80%	82%	84%	85%	87%	89%	90%	92%	93%	95%	96%	97%	98%	98%	99%	99%	99%	99%	99%	99%	98%	98%	97%	96%	95%	93%	92%	90%	89%	87%	85%	83%	81%	79%	77%	
9 / 12	37	75%	77%	79%	81%	83%	85%	87%	88%	90%	92%	93%	95%	96%	97%	98%	98%	99%	99%	100%	100%	99%	99%	98%	98%	97%	96%	94%	93%	92%	90%	88%	86%	85%	83%	80%	78%	76%	
10 / 12	40	73%	76%	78%	80%	82%	84%	86%	88%	90%	91%	93%	94%	96%	97%	98%	98%	99%	99%	99%	99%	99%	98%	97%	96%	95%	94%	93%	91%	90%	88%	86%	84%	82%	80%	77%	75%		
11 / 12	43	72%	74%	77%	79%	81%	83%	85%	87%	89%	91%	92%	94%	95%	96%	97%	98%	98%	99%	99%	99%	99%	99%	98%	97%	96%	95%	94%	92%	91%	89%	87%	85%	83%	81%	79%	76%	74%	
12 / 12	45	71%	74%	76%	78%	80%	83%	85%	87%	88%	90%	92%	93%	95%	96%	97%	98%	98%	98%	99%	99%	99%	98%	97%	97%	96%	95%	93%	92%	90%	88%	86%	84%	82%	80%	78%	76%	73%	
13 / 12	47	70%	73%	75%	77%	80%	82%	84%	86%	88%	90%	91%	93%	94%	95%	96%	97%	98%	98%	98%	99%	98%	98%	97%	96%	95%	94%	93%	91%	89%	88%	86%	84%	82%	79%	77%	75%	72%	
14 / 12	49	69%	72%	74%	77%	79%	81%	83%	85%	87%	89%	91%	92%	93%	95%	96%	97%	97%	97%	98%	98%	98%	97%	96%	96%	95%	94%	92%	91%	89%	87%	85%	83%	81%	79%	76%	74%	71%	
15 / 12	51	69%	71%	74%	76%	78%	80%	82%	84%	86%	88%	90%	91%	93%	94%	95%	96%	96%	97%	97%	97%	97%	97%	96%	95%	94%	93%	92%	90%	88%	86%	84%	82%	80%	78%	75%	73%	71%	
16 / 12	53	68%	70%	73%	75%	77%	80%	82%	84%	86%	87%	89%	91%	92%	93%	95%	95%	96%	96%	96%	97%	97%	96%	95%	94%	93%	92%	91%	89%	87%	86%	84%	82%	79%	77%	75%	72%	70%	