MANSFIELD LAHM RGNL, OH	
Latitude = 40.82 N	Station ID = ICAO_KMFD
Longitude = 82.52 W	Elevation = 1297 Feet
Period of Record = 1988 To 2017	Average Pressure = 28.65 inches Hg

Design Criteria Data

	Mean Coincident (Average) Values				
Dry Bulb Temperature (T)	**Design Value (°F)**	**Wet Bulb Temperature (°F)**	**Humidity Ratio (gr/lb)**	**Wind Speed (mph)**	**Prevailing Direction (NSEW)**
Median of Extreme Highs	91	74	103	10	SW
0.4% Occurrence	88	73	102	10	SW
1.0% Occurrence	86	72	99	10	SW
2.0% Occurrence	84	71	97	9.7	SW
Mean Daily Range	17	-	-	-	W
97.5% Occurrence	12	11	8	9.9	W
99.0% Occurrence	7	6	6	9.6	W
99.6% Occurrence	1	0	4	9.3	WSW
Median of Extreme Lows	-5	-6	3	9.4	SW

Wet Bulb Temperature (T_{wb})	**Design Value (°F)**	**Dry Bulb Temperature (°F)**	**Humidity Ratio (gr/lb)**	**Wind Speed (mph)**	**Prevailing Direction (NSEW)**
Median of Extreme Highs	78	88	132	9.8	SW
0.4% Occurrence	76	85	124	9.7	SW
1.0% Occurrence	74	82	117	9.5	SW
2.0% Occurrence	73	80	114	9.3	SW

Humidity Ratio (HR)	**Design Value (gr/lb)**	**Dry Bulb Temperature (°F)**	**Vapor Pressure (in. Hg)**	**Wind Speed (mph)**	**Prevailing Direction (NSEW)**
Median of Extreme Highs	138	84	0.88	8.2	W
0.4% Occurrence	128	81	0.82	8.8	SW
1.0% Occurrence	122	79	0.78	8.1	SW
2.0% Occurrence	116	77	0.74	8.6	SW

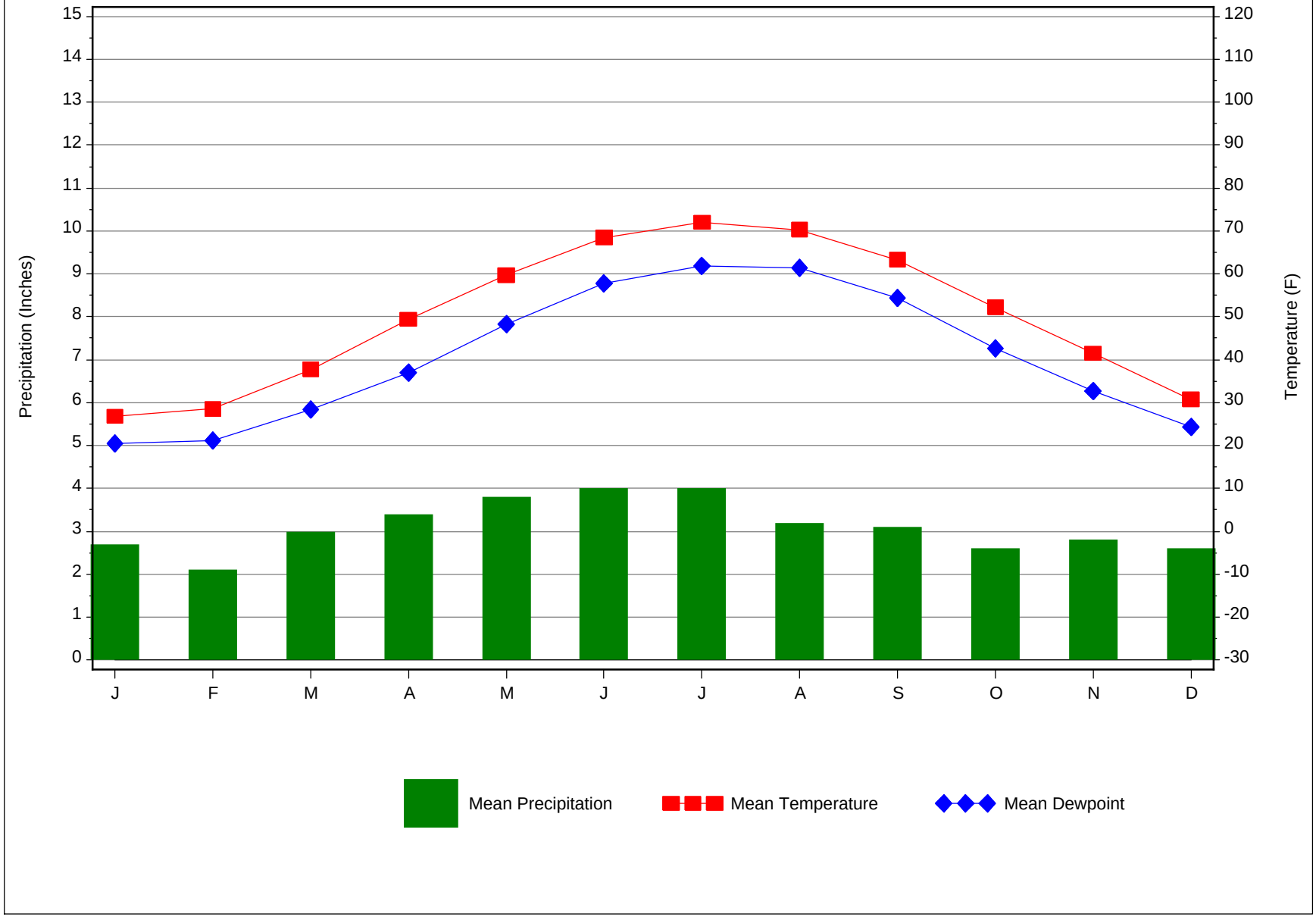
Air Conditioning/ Humid Area Criteria	**Threshold**	**T ≥ 93°F**	**T ≥ 80°F**	**Twb ≥ 73°F**	**Twb ≥ 67°F**
	# of Hours	13	423	182	1015

Other Site Data

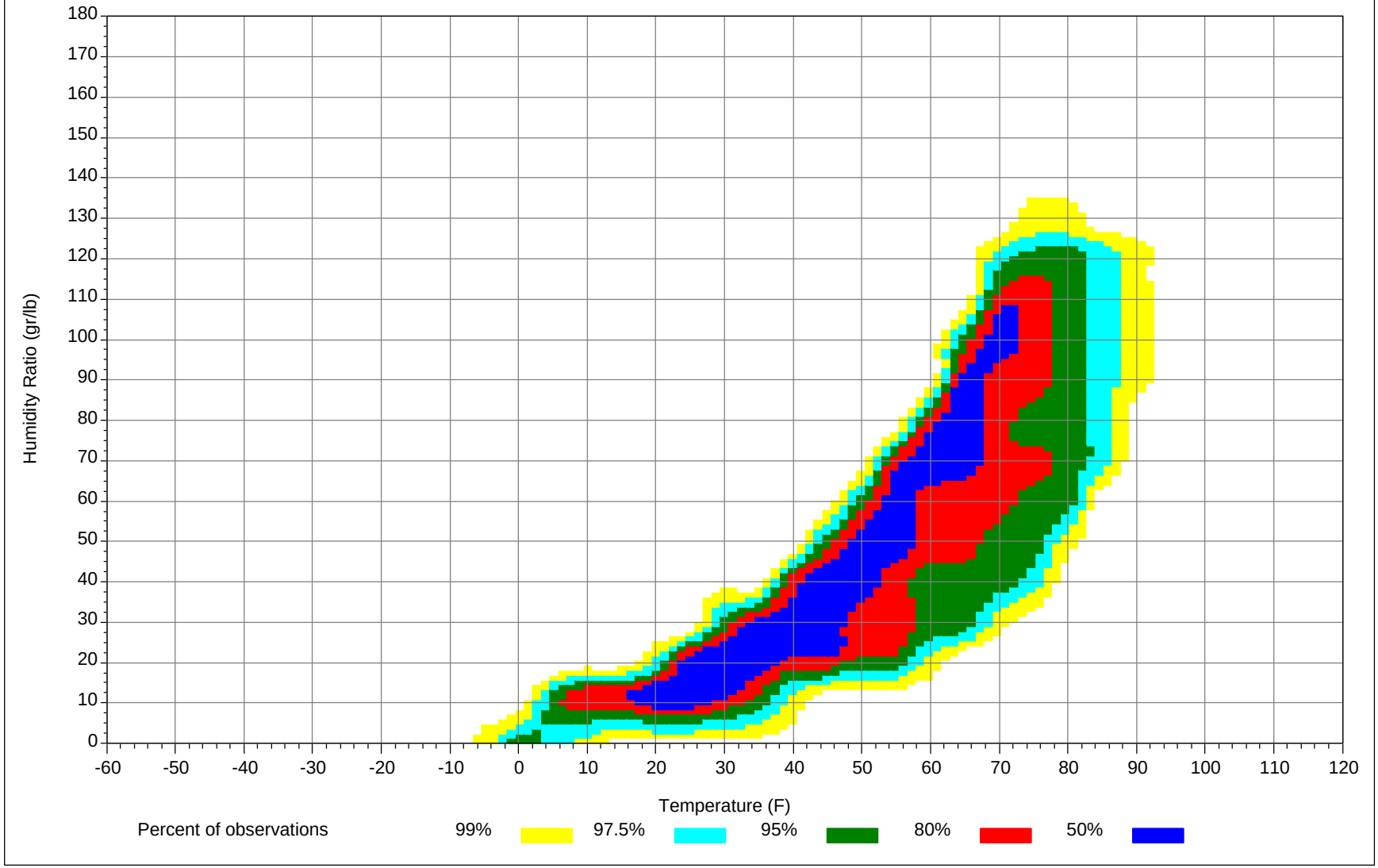
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
6	2.8	90	1.5 + 0.4
Ground Water Temperature (°F) 50 Foot Depth*	Frost Depth 50 Year Recurrence (in)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
52.6	N/A	17	54

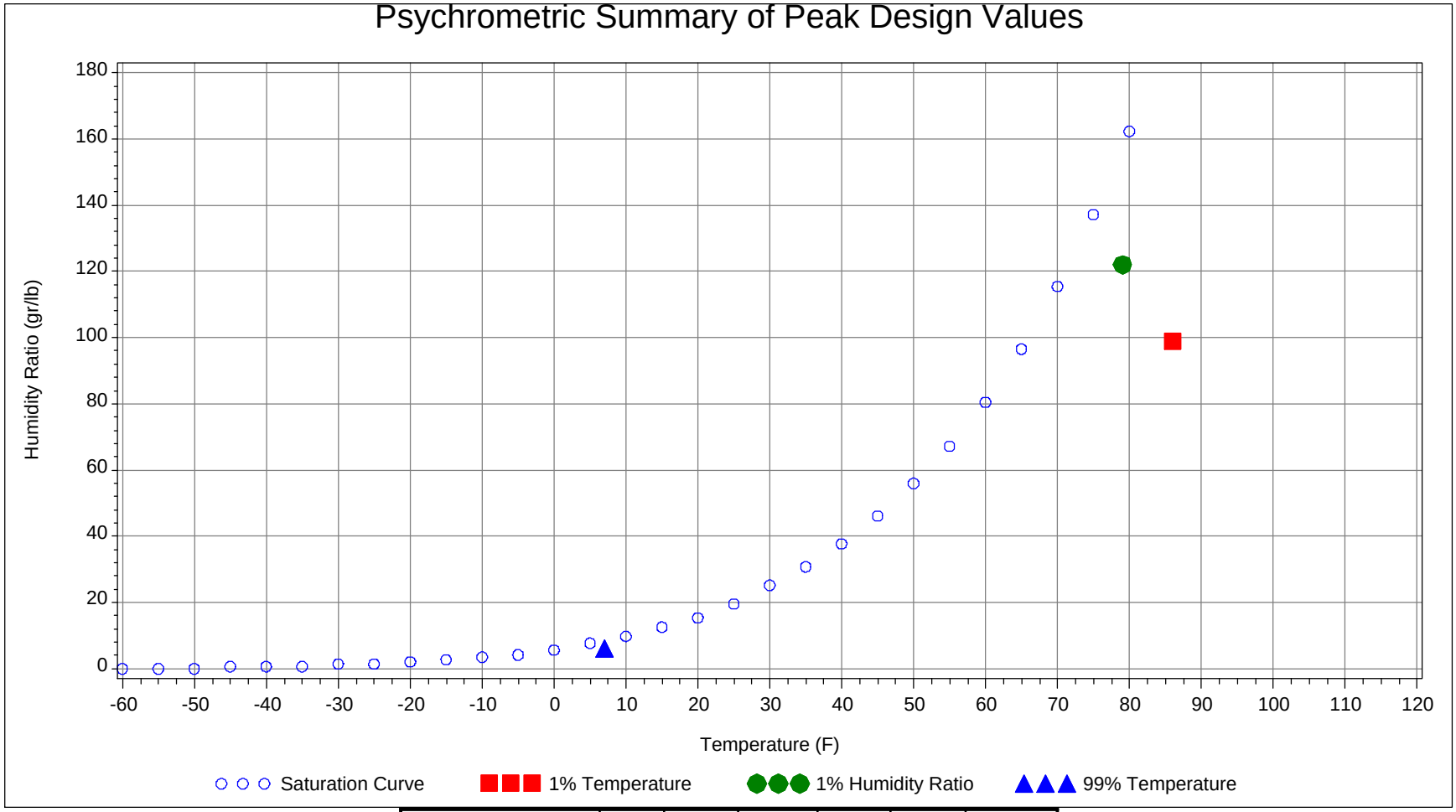
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

Average Annual Climate



Long Term Psychrometric Summary





	(°F) / (gr/lb)	MCDB (°F)	MCWB (°F)	MCDP (°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
1.0% Dry Bulb	86.0		72		99.0	36.2
99.0% Dry Bulb	7.0				6.0	2.6
1.0% Humidity Ratio	122.0	79.0	73.7	71.6		37.9

Dry-Bulb Temperature Hours For An Average Year

	January					February					March				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104															
95/ 99															
90/ 94															
85/ 89															
80/ 84												0	0	0	63.1
75/ 79												2	1	3	61.2
70/ 74							0	0	0	58.7		5	2	7	58.4
65/ 69							1	0	1	57.8	1	6	4	11	56.4
60/ 64	1	2	1	4	56.8	0	2	1	3	53.4	6	14	11	31	53.9
55/ 59	4	6	4	14	53.6	2	5	4	11	51	10	16	14	40	50.6
50/ 54	6	7	8	21	48.9	4	8	6	18	46.9	13	19	18	50	46.5
45/ 49	10	12	11	33	43.3	8	15	12	35	41.7	19	30	29	78	41.7
40/ 44	10	13	14	37	38.7	11	15	15	41	38.2	20	25	24	69	38
35/ 39	20	31	26	77	34.5	22	30	29	81	34	37	42	42	121	33.9
30/ 34	41	42	43	126	29.9	40	42	41	123	29.8	44	40	42	126	29.4
25/ 29	46	46	44	136	25	43	42	46	131	24.9	47	28	36	111	24.8
20/ 24	25	25	24	74	20.3	24	23	23	70	20.2	23	10	14	47	20.3
15/ 19	33	31	33	97	16	30	21	22	73	15.9	17	6	9	32	16.1
10/ 14	21	18	20	59	10.7	18	11	13	42	10.8	8	2	3	13	11
5/ 9	14	9	12	35	6.5	8	5	6	19	6.1	3	1	1	5	6.4
0/ 4	10	4	7	21	1.1	8	4	4	16	1	1	0	0	1	1.8
-5/ -1	4	1	1	6	-3.4	3	1	1	5	-3.3					
-10/ -6	2	1	1	4	-7.4	2	0	0	2	-6.6					
-15/-11	1	0	0	1	-12.3										
-20/-16	0	0	0	0	-17.8										
-25/-21	0	0		0	-21.3										

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

Dry-Bulb Temperature Hours For An Average Year

	April					May					June				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104												0		0	77
95/ 99												0	0	0	74.8
90/ 94							0	0	0	72.4		4	1	5	72.2
85/ 89		0		0	64.3		4	1	5	69.7		17	5	22	71.3
80/ 84		3	1	4	63.6	0	21	8	29	67	1	47	20	68	69.1
75/ 79	0	9	4	13	61.4	1	28	16	45	65	10	52	35	97	66.6
70/ 74	2	19	11	32	58.6	11	40	29	80	61.7	39	57	58	154	64.6
65/ 69	5	16	13	34	56.1	20	29	27	76	59.4	52	27	45	124	62.6
60/ 64	16	32	26	74	53.3	41	44	47	132	56.2	57	24	42	123	58.5
55/ 59	22	34	29	85	50.1	40	37	39	116	51.6	43	9	23	75	53.7
50/ 54	30	37	38	105	46	48	26	40	114	48.2	26	3	9	38	50
45/ 49	37	36	42	115	41.8	47	16	28	91	43.6	10	1	2	13	45.4
40/ 44	32	20	27	79	38.2	25	3	10	38	39.9	2		0	2	41.5
35/ 39	48	20	29	97	34.4	13	1	3	17	35.9	0			0	38.1
30/ 34	32	10	15	57	30	2	0	0	2	31.7					
25/ 29	12	3	5	20	25.1	0			0	28					
20/ 24	3	0	1	4	20.9										
15/ 19	1		0	1	16.8										
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

Dry-Bulb Temperature Hours For An Average Year

	July					August					September				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104															
95/ 99		1	0	1	75.7		0		0	75.5					
90/ 94		8	2	10	74.6		5	1	6	74.3		2	0	2	71.7
85/ 89	0	23	9	32	72.8		18	5	23	73.1		7	1	8	70.7
80/ 84	3	66	31	100	70.4	1	56	21	78	70.4		23	7	30	68.8
75/ 79	17	71	50	138	68.1	10	70	43	123	68	2	37	18	57	65.9
70/ 74	65	56	74	195	66.4	50	63	73	186	66.3	16	58	39	113	63.9
65/ 69	59	17	41	117	63.6	55	24	44	123	63.5	31	36	36	103	61.8
60/ 64	64	7	32	103	59.6	75	11	44	130	59.8	50	43	56	149	58.2
55/ 59	31	0	8	39	54.8	41	1	14	56	55.2	52	24	41	117	53.8
50/ 54	9		1	10	51	14	0	2	16	51.2	48	8	27	83	49.9
45/ 49	1			1	46.1	2		0	2	46.9	28	3	12	43	45.1
40/ 44											8	0	3	11	40.9
35/ 39											4		1	5	36.7
30/ 34											0			0	33
25/ 29															
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

Dry-Bulb Temperature Hours For An Average Year

	October					November					December				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104															
95/ 99															
90/ 94															
85/ 89		0		0	71.5										
80/ 84		3	0	3	66.3										
75/ 79		12	2	14	63.6		1		1	62.4					
70/ 74	1	26	11	38	61.2		2	1	3	58.9					
65/ 69	7	21	16	44	59.1	1	6	2	9	57.9	0	0	0	0	59.5
60/ 64	24	38	34	96	55.9	6	18	11	35	54.6	1	2	2	5	56.9
55/ 59	29	39	34	102	51.3	15	23	19	57	51.1	4	6	5	15	53.1
50/ 54	37	45	43	125	47.5	22	29	25	76	47.1	8	11	8	27	48.4
45/ 49	52	36	48	136	43.3	29	40	35	104	42.1	11	20	16	47	42.8
40/ 44	33	16	29	78	39.3	25	31	32	88	38.5	13	19	16	48	39
35/ 39	41	10	24	75	35.5	50	40	47	137	34.4	32	43	39	114	34.6
30/ 34	19	2	7	28	31.1	44	31	38	113	29.7	53	49	53	155	30
25/ 29	3	0	0	3	26.3	31	14	22	67	25	48	41	47	136	25.1
20/ 24	0			0	21.7	11	4	7	22	20.5	27	22	21	70	20.3
15/ 19						6	1	2	9	16.4	24	20	24	68	16.2
10/ 14						1	0	1	2	11.1	14	10	10	34	10.9
5/ 9						0	0		0	7.3	8	3	5	16	6.5
0/ 4											3	1	2	6	1.1
-5/ -1											1	0	1	2	-2.7
-10/ -6											1	0	0	1	-6.7
-15/-11											0	0	0	0	-12.1
-20/-16											0			0	-16
-25/-21															

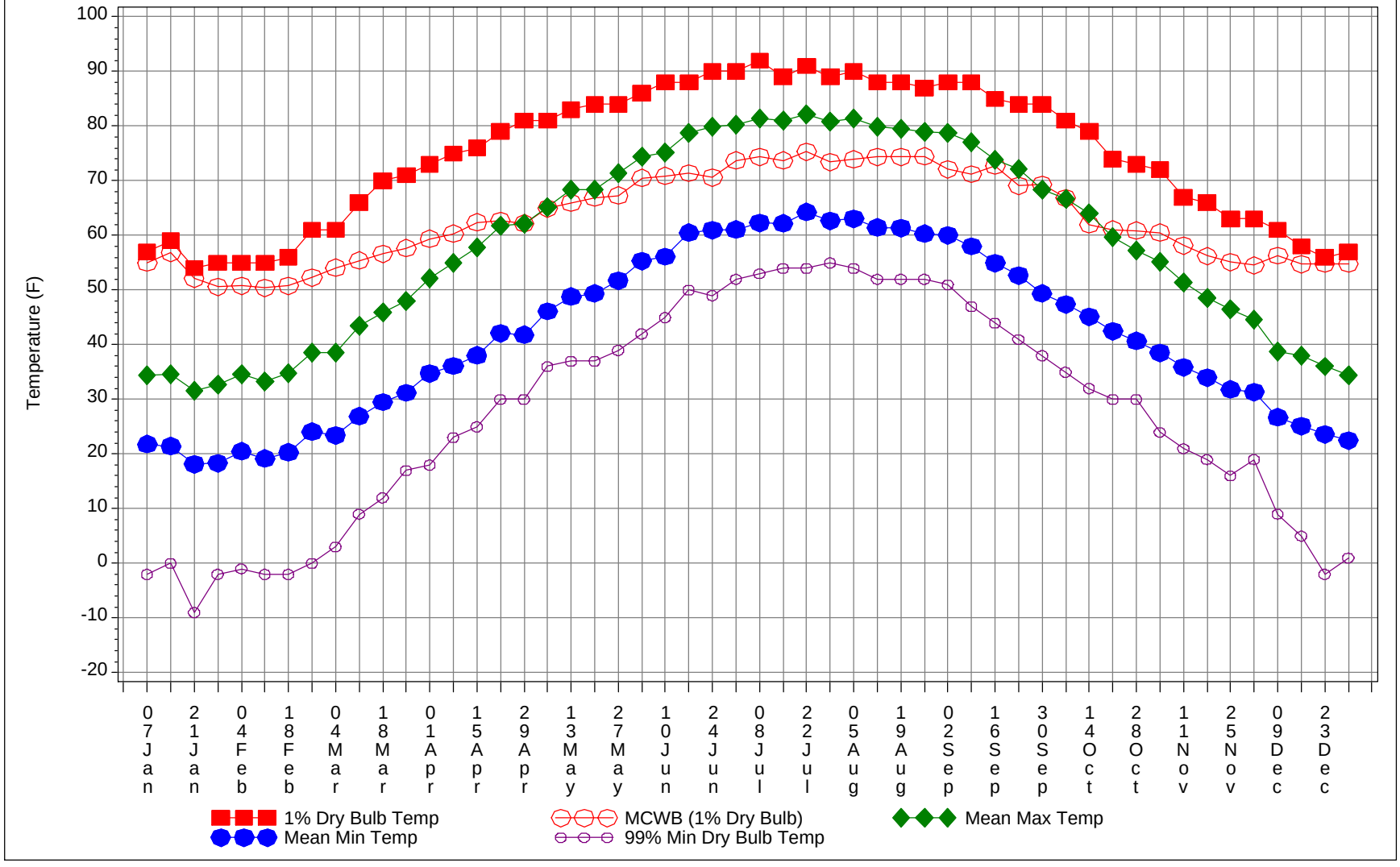
Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

Dry-Bulb Temperature Hours For An Average Year

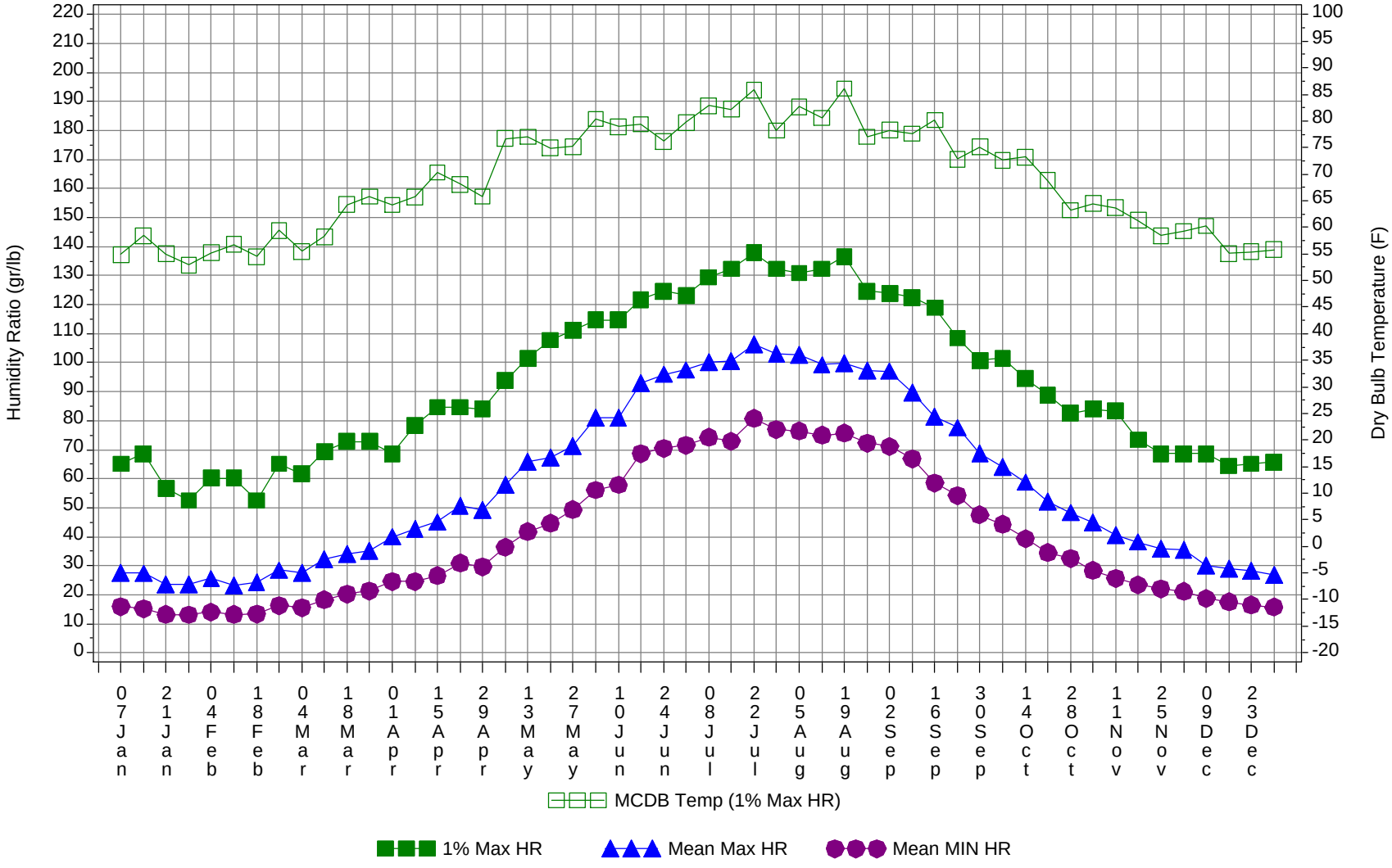
	Annual				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104		0		0	77
95/ 99		1	1	2	75.5
90/ 94		18	5	23	73.7
85/ 89	0	68	21	89	72.2
80/ 84	4	218	87	309	69.5
75/ 79	41	282	168	491	66.9
70/ 74	184	326	297	807	64.5
65/ 69	230	182	229	641	61.7
60/ 64	340	237	305	882	57.4
55/ 59	292	199	235	726	52.4
50/ 54	267	194	225	686	47.9
45/ 49	253	209	234	696	42.8
40/ 44	179	143	170	492	38.7
35/ 39	268	217	240	725	34.5
30/ 34	275	216	239	730	29.9
25/ 29	231	175	200	606	25
20/ 24	113	84	89	286	20.3
15/ 19	111	79	90	280	16.1
10/ 14	62	41	46	149	10.8
5/ 9	33	18	23	74	6.4
0/ 4	23	9	13	45	1.1
-5/ -1	8	2	3	13	-3.2
-10/ -6	4	1	1	6	-7
-15/-11	1	0	0	1	-12.3
-20/-16	0	0	0	0	-17.3
-25/-21	0	0		0	-21.3

Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

Annual Summary of Temperatures



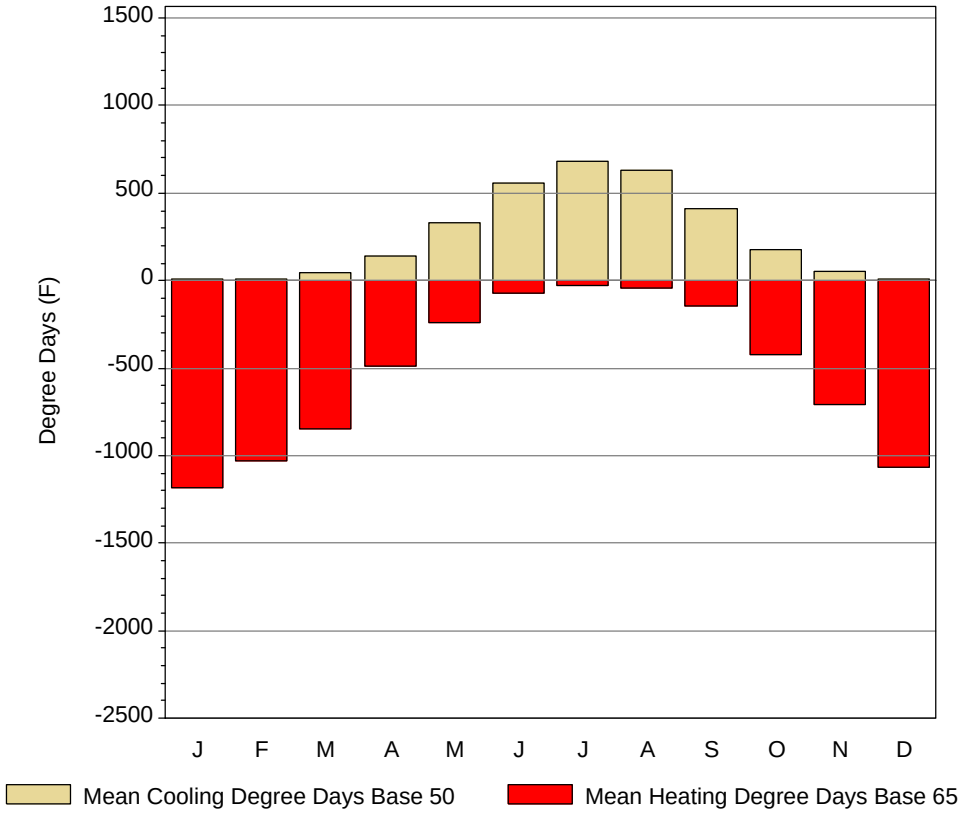
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

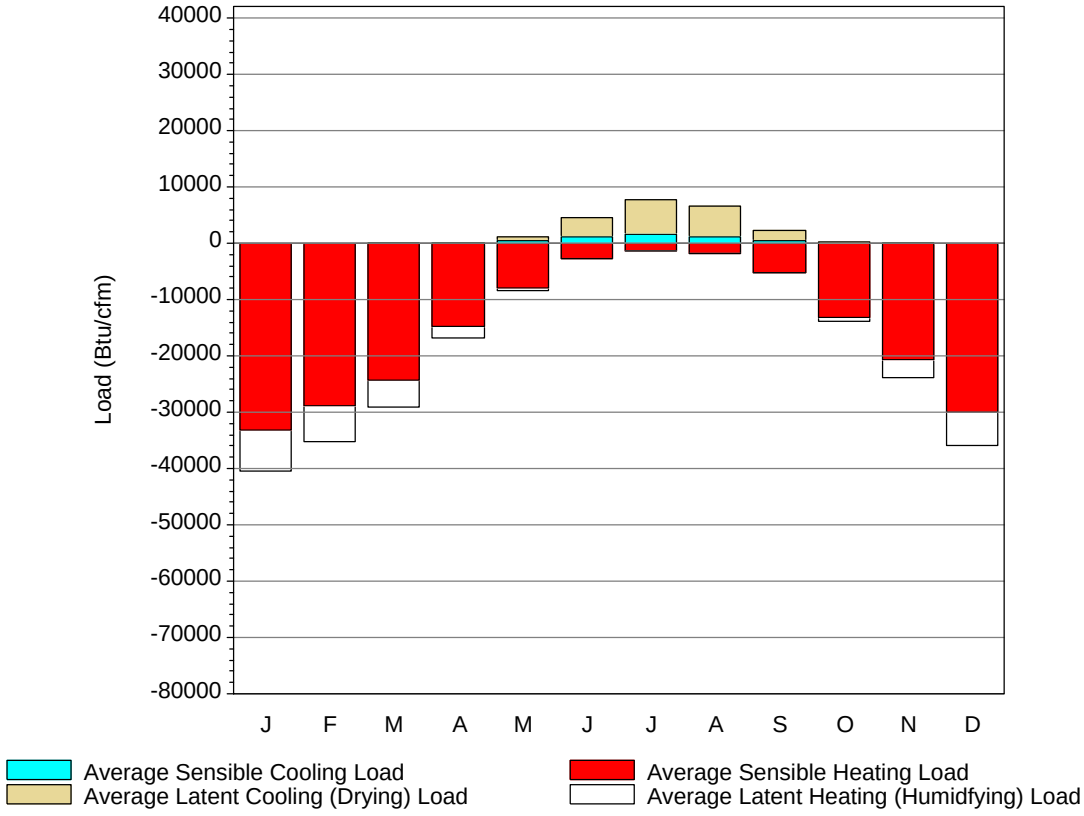
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	57	55	34.4	21.8	-2	65.1	54.9	27.5	15.9
14-Jan	59	56.8	34.6	21.4	0	68.6	58.4	27.4	15.1
21-Jan	54	52.1	31.6	18.1	-9	56.7	55	23.6	13.2
28-Jan	55	50.6	32.7	18.3	-2	52.5	52.9	23.6	13.1
4-Feb	55	50.8	34.6	20.5	-1	60.2	55.2	25.6	14
11-Feb	55	50.4	33.2	19.2	-2	60.2	56.8	23.3	13.2
18-Feb	56	50.8	34.7	20.3	-2	52.5	54.5	24.2	13.4
25-Feb	61	52.3	38.5	24.1	0	65.1	59.4	28.5	16.3
4-Mar	61	54.1	38.5	23.4	3	61.6	55.5	27.7	15.5
11-Mar	66	55.4	43.5	26.9	9	69.3	58.2	32.2	18.3
18-Mar	70	56.6	46	29.5	12	72.8	64.3	34.2	20.2
25-Mar	71	57.7	48	31.2	17	72.8	65.8	35.1	21.4
1-Apr	73	59.4	52.2	34.7	18	68.6	64.2	40	24.5
8-Apr	75	60.3	55	36.1	23	78.4	65.7	42.6	24.6
15-Apr	76	62.4	57.8	38	25	84.7	70.3	45.1	26.5
22-Apr	79	62.7	61.7	42.1	30	84.7	68.1	50.8	30.9
29-Apr	81	62.2	62.2	41.8	30	84	65.8	49.1	29.7
6-May	81	64.9	65.1	46.1	36	93.8	76.7	57.8	36.4
13-May	83	66	68.3	48.8	37	101.5	77	65.9	41.7
20-May	84	66.9	68.3	49.4	37	107.8	74.9	67.4	44.6
27-May	84	67.3	71.3	51.7	39	111.3	75.2	71.3	49.4
4-Jun	86	70.5	74.4	55.3	42	114.8	80.4	81	56.1
10-Jun	88	70.9	75.1	56.1	45	114.8	78.9	80.9	57.9
17-Jun	88	71.4	78.7	60.5	50	121.8	79.4	93	68.6
24-Jun	90	70.6	79.9	61	49	124.6	76.2	96	70.5
1-Jul	90	73.7	80.2	61.1	52	123.2	79.7	97.5	71.5
8-Jul	92	74.4	81.3	62.3	53	129.5	82.9	100.1	74.2
15-Jul	89	73.7	81	62.2	54	132.3	82.2	100.6	72.9
22-Jul	91	75.3	82.2	64.3	54	137.9	85.8	106.4	80.7
29-Jul	89	73.4	80.8	62.7	55	132.3	78.2	103.2	77
5-Aug	90	73.9	81.4	63	54	130.9	82.7	102.7	76.4
12-Aug	88	74.4	79.9	61.4	52	132.3	80.6	99.3	75
19-Aug	88	74.4	79.5	61.3	52	136.5	86.1	99.8	75.7
26-Aug	87	74.5	78.9	60.3	52	124.6	77	97.4	72.2
2-Sep	88	72.1	78.8	60	51	123.9	78.3	97.1	71.1
9-Sep	88	71.2	77.1	58	47	122.5	77.6	89.6	66.8
16-Sep	85	72.8	73.9	54.9	44	119	80.2	81.3	58.6
23-Sep	84	69.1	72.1	52.7	41	108.5	72.8	77.6	54.2
30-Sep	84	69.3	68.4	49.4	38	100.8	75.1	68.8	47.6
7-Oct	81	66.8	66.6	47.4	35	101.5	72.6	64	44.2
14-Oct	79	62	64.1	45.1	32	94.5	73.2	58.8	39.3
21-Oct	74	61.1	59.6	42.5	30	88.9	68.8	52.2	34.5
28-Oct	73	60.9	57.2	40.7	30	82.6	63.2	48.3	32.5
4-Nov	72	60.5	55.1	38.5	24	84	64.5	44.8	28.4
11-Nov	67	58.1	51.3	35.9	21	83.3	63.7	40.7	25.7
18-Nov	66	56.2	48.5	34	19	73.5	61.3	38.2	23.4
25-Nov	63	55.1	46.4	31.8	16	68.6	58.4	36	22
2-Dec	63	54.5	44.6	31.3	19	68.6	59.3	35.5	21.2
9-Dec	61	56.3	38.8	26.7	9	68.6	60.3	30.2	18.7
16-Dec	58	54.7	37.9	25.1	5	64.4	55.1	29	17.5
23-Dec	56	54.8	36	23.6	-2	65.1	55.4	28.4	16.4
31-Dec	57	54.8	34.4	22.5	1	65.8	55.8	26.7	15.8

Degree Days, Heating and Cooling
(Base 65 F) & Cooling (Base 50F)



Month	Mean Cooling Degree Days (°F) Base 50	Mean Cooling Degree Days (°F) Base 65	Mean Heating Degree Days (°F) Base 65
JAN	6.9	0	1185.3
FEB	7.4	0.2	1032.5
MAR	48.1	4	849.6
APR	142	20.4	488.5
MAY	333	75	240.9
JUN	556.9	173.9	69.2
JUL	680.8	244.1	28.3
AUG	627.9	204.1	41.3
SEP	411.3	97.2	147.5
OCT	173.5	22.4	420.5
NOV	49.5	1.6	707.4
DEC	8.8	0	1062.9
ANN	3046.1	842.9	6273.9

Average Ventilation and Infiltration Loads
(Outside Air vs 75F, 60% RH summer; 68F, 30% RH winter)



Month	Average Sensible Cooling Load (Btu/cfm)	Average Sensible Heating Load (Btu/cfm)	Average Latent Cooling Load (Btu/cfm)	Average Latent Heating Load (Btu/cfm)
JAN	0	-33134	0	-7260
FEB	0	-28957	0	-6356
MAR	6	-24381	2	-4735
APR	51	-14772	35	-2007
MAY	368	-7998	790	-281
JUN	1074	-2757	3400	-2
JUL	1632	-1369	6218	-1
AUG	1203	-1890	5439	-2
SEP	462	-5277	1891	-18
OCT	46	-13052	193	-771
NOV	1	-20641	8	-3119
DEC	0	-29961	0	-5934
ANN	4843	-184189	17976	-30486

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	MANSFIELD, OH 14891	Window:	1.000
Lat, Lon, Elev	40.82N 82.52W 1296ft	Overhang:	0.557
Press, Stn_Type	14.1psia Secondary	Vert Gap:	0.324

AVERAGE INCIDENT SOLAR RADIATION (Btu/sq.ft./day) Percentage Uncertainty = 9

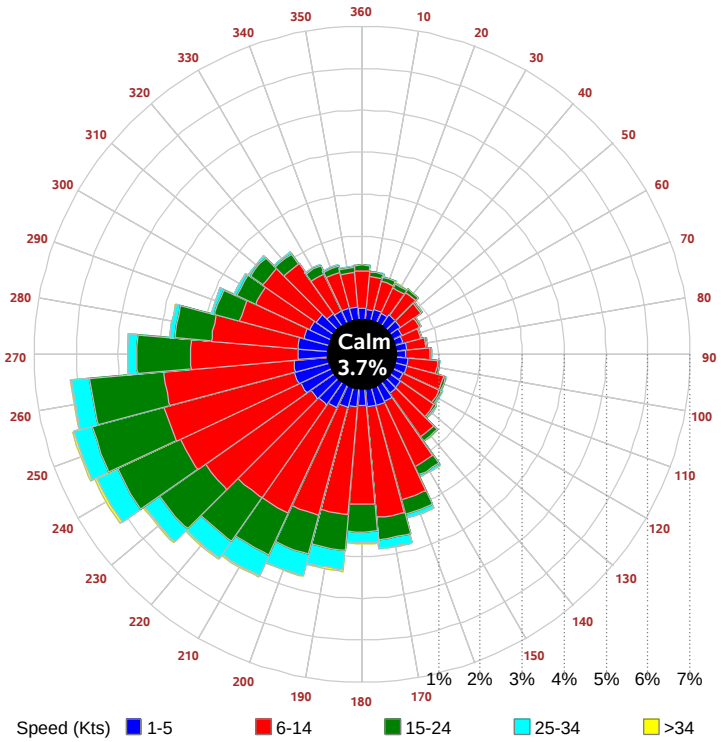
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Global	540	790	1080	1450	1750	1930	1900	1670	1330	950	570	440	1200
	Std.Dev.	36	73	82	127	141	118	96	109	97	75	58	37	36
	Minimum	470	680	950	1110	1480	1740	1730	1390	1170	800	440	380	1130
	Maximum	610	1050	1260	1660	2040	2310	2080	1830	1500	1190	670	530	1300
	Diffuse	360	480	630	750	850	890	890	780	630	460	350	310	620
Clear Day	Global	840	1200	1680	2170	2490	2610	2520	2240	1800	1300	890	730	1710
NORTH	Global	200	270	350	440	550	620	590	480	380	290	200	170	380
	Diffuse	200	270	350	430	510	540	530	470	380	290	200	170	360
Clear Day	Global	190	250	330	430	580	680	630	480	360	270	200	170	380
EAST	Global	340	480	650	850	990	1080	1070	960	810	600	360	280	710
	Diffuse	240	320	420	520	600	640	640	570	470	350	240	200	440
Clear Day	Global	630	840	1090	1310	1420	1450	1410	1310	1130	880	660	560	1060
SOUTH	Global	740	880	910	900	840	800	840	940	1040	1040	730	610	860
	Diffuse	340	420	490	540	580	590	600	580	530	440	330	290	480
Clear Day	Global	1790	1900	1790	1450	1130	970	1020	1270	1610	1800	1760	1700	1510
WEST	Global	340	490	640	820	960	1050	1050	970	800	590	360	280	700
	Diffuse	240	330	430	530	610	650	650	580	470	350	240	200	440
Clear Day	Global	630	840	1090	1310	1420	1450	1410	1310	1130	880	660	560	1060

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING Percentage Uncertainty = 9														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Unshaded	360	540	760	1040	1260	1400	1380	1210	950	650	380	290	850
NORTH	Unshaded	140	190	240	300	360	410	390	330	260	200	140	120	260
	Shaded	120	160	210	260	320	360	340	290	230	170	120	99	220
EAST	Unshaded	240	340	460	600	710	770	770	680	570	420	250	190	500
	Shaded	210	290	390	510	590	650	650	580	490	370	220	170	430
SOUTH	Unshaded	550	650	640	600	530	490	520	600	710	750	540	460	590
	Shaded	520	590	500	400	350	360	360	380	510	650	510	430	460
WEST	Unshaded	240	350	450	580	690	750	750	690	570	420	250	190	490
	Shaded	200	300	390	500	580	630	630	590	490	360	220	170	420

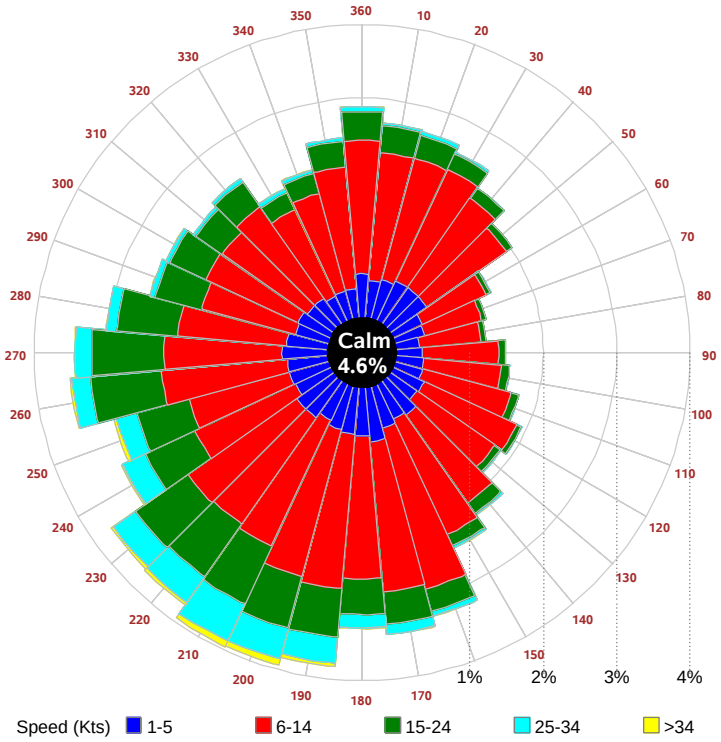
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9											
				March					June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	28	64	80	67	34	38	76	98	98	75
	M.Cloudy	16	37	46	39	20	23	48	68	68	50
NORTH	M.Clear	8	13	15	14	9	20	16	17	17	16
	M.Cloudy	7	14	17	15	9	12	16	19	19	17
EAST	M.Clear	64	62	19	14	9	70	77	42	17	16
	M.Cloudy	17	28	18	15	9	27	40	32	19	17
SOUTH	M.Clear	29	66	84	71	35	11	28	47	47	28
	M.Cloudy	11	29	36	30	14	9	21	35	35	22
WEST	M.Clear	8	13	15	57	68	11	16	17	42	75
	M.Cloudy	7	14	17	27	21	9	16	19	32	43
M.Clear	(% hrs)	25	22	21	22	23	43	41	30	27	32

				Sept					Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	18	57	80	79	54	6	33	44	31	5
	M.Cloudy	10	33	52	52	34	4	18	24	18	3
NORTH	M.Clear	7	13	16	16	13	3	9	10	9	2
	M.Cloudy	5	13	17	17	13	2	8	10	8	2
EAST	M.Clear	47	72	39	16	13	21	41	11	9	2
	M.Cloudy	13	29	27	17	13	4	14	10	8	2
SOUTH	M.Clear	12	50	73	72	46	17	69	85	65	12
	M.Cloudy	6	23	41	42	25	4	18	23	18	3
WEST	M.Clear	7	13	16	42	71	3	9	12	42	16
	M.Cloudy	5	13	17	29	34	2	8	11	14	4
M.Clear	(% hrs)	43	42	33	29	36	19	18	17	15	17

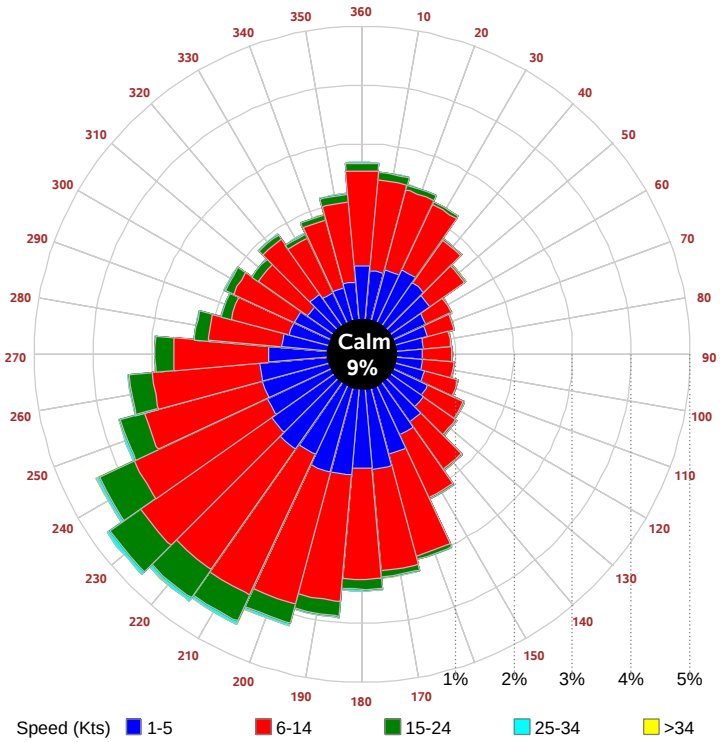
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November