LEBANON MUNI, NH	
Latitude = 43.63 N	Station ID = ICAO_KLEB
Longitude = 72.30 W	Elevation = 603 Feet
Period of Record = 1988 To 2017	Average Pressure = 29.35 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	94	74	95	8.5	WSW
0.4% Occurrence	89	71	87	8.1	WSW
1.0% Occurrence	86	70	86	7.7	S
2.0% Occurrence	83	68	81	7.4	S
Mean Daily Range	21	-	-	-	NNW
97.5% Occurrence	5	4	5	3.8	NNW
99.0% Occurrence	-2	-3	4	2.4	N
99.6% Occurrence	-8	-9	3	2	N
Median of Extreme Lows	-18	-18	2	0.8	S

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	90	126	7	SSW
0.4% Occurrence	74	83	112	7	S
1.0% Occurrence	73	82	108	6.7	S
2.0% Occurrence	71	79	102	5.9	S

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	134	84	0.88	4.4	S
0.4% Occurrence	120	78	0.79	5.2	S
1.0% Occurrence	113	77	0.74	5.1	S
2.0% Occurrence	105	76	0.69	4.9	S

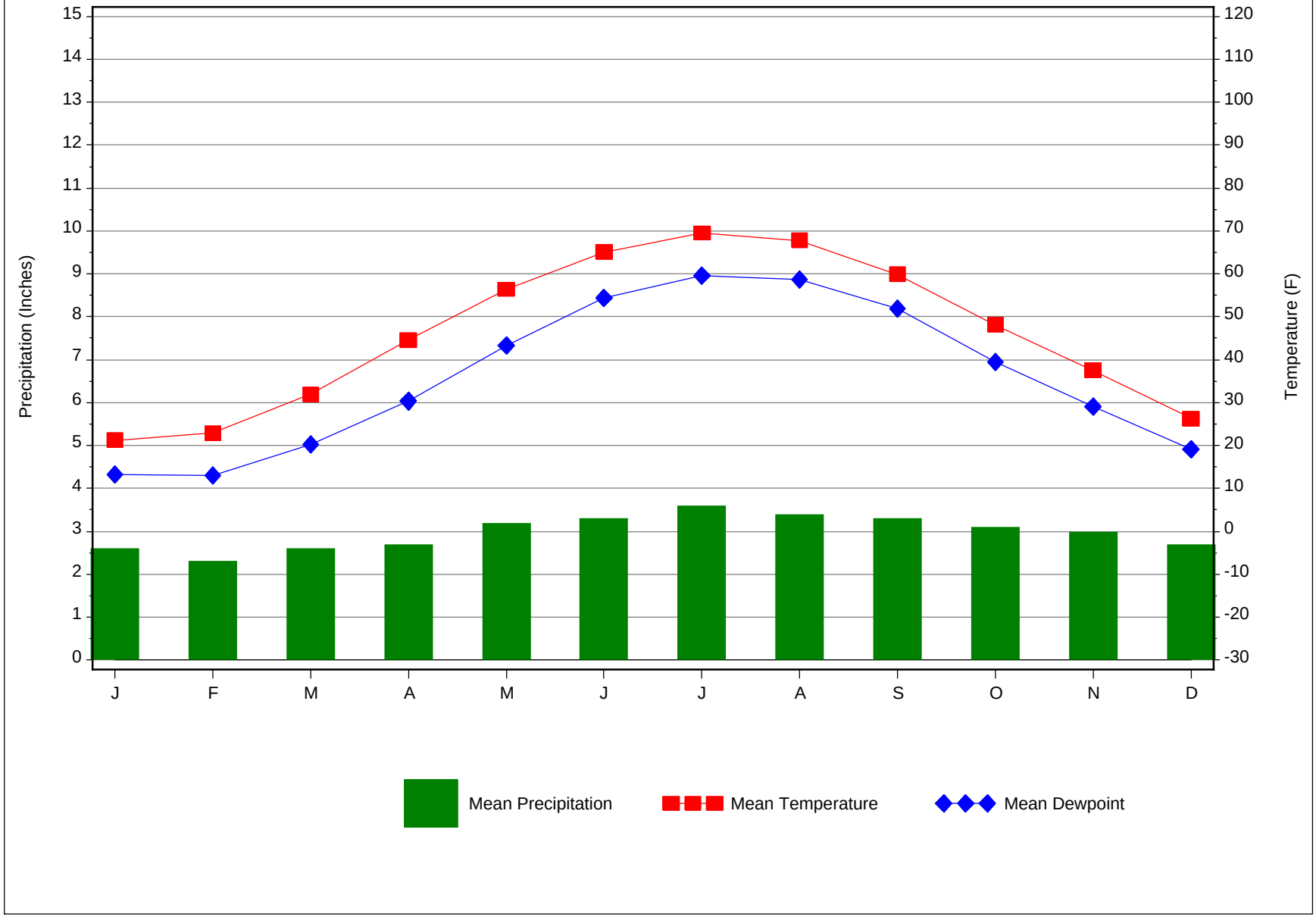
Air Conditioning/ Humid Area Criteria	**Threshold**	**T ≥ 93°F**	**T ≥ 80°F**	**Twb ≥ 73°F**	**Twb ≥ 67°F**
	# of Hours	12	338	87	596

Other Site Data

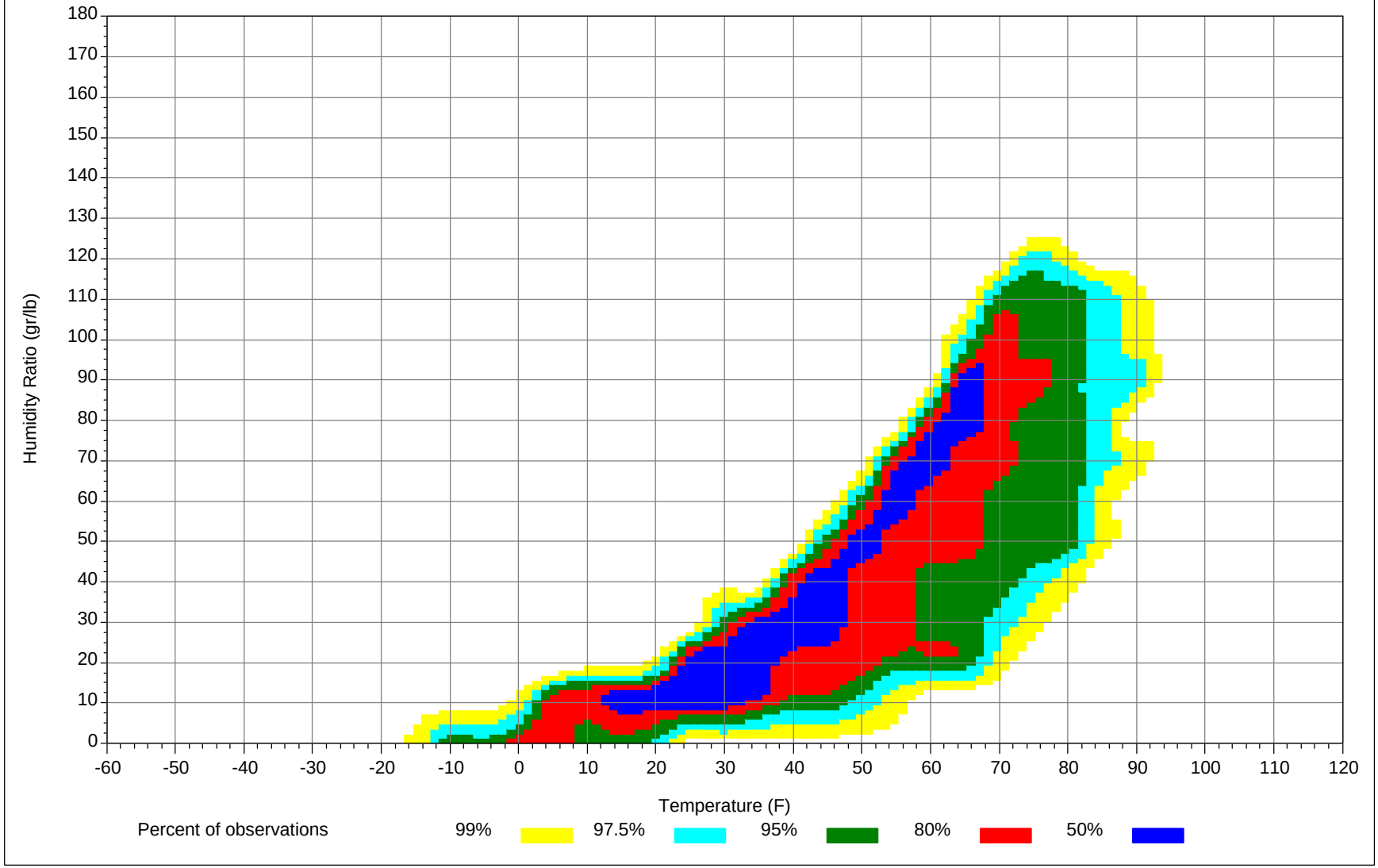
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
5	2.5	90	0.8 + 0.3
Ground Water Temperature (°F) 50 Foot Depth*	Frost Depth 50 Year Recurrence (in)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
48.6	N/A	N/A	85

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

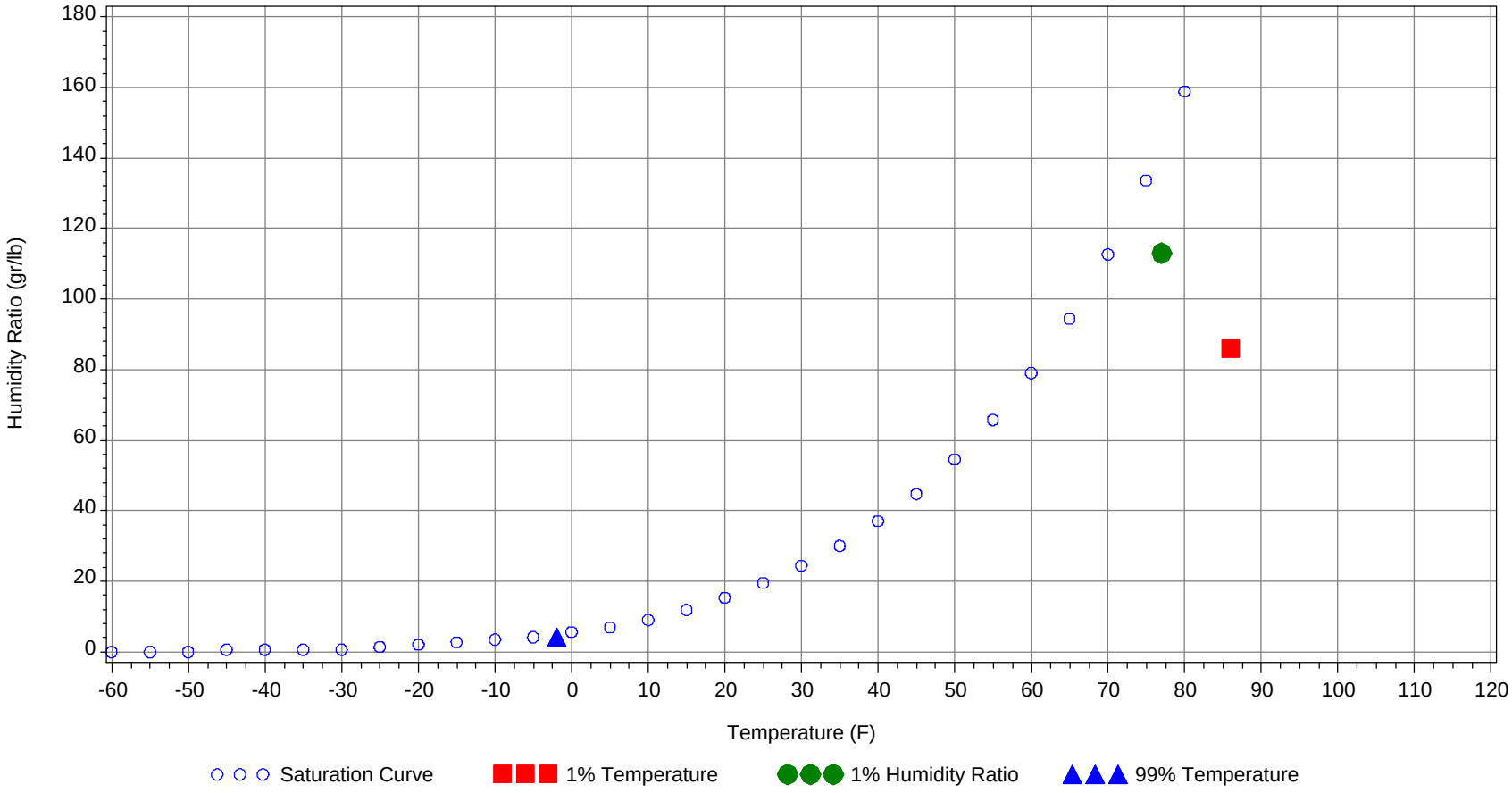
Average Annual Climate



Long Term Psychrometric Summary



Psychrometric Summary of Peak Design Values



	(°F) / (gr/lb)	MCDB (°F)	MCWB (°F)	MCDP (°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
1.0% Dry Bulb	86.0		70		86.0	34.1
99.0% Dry Bulb	-2.0				4.0	0.1
1.0% Humidity Ratio	113.0	77.0	71.8	70.0		36.1

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)**
95/ 99															
90/ 94															
85/ 89												0		0	63
80/ 84												0	0	0	60.7
75/ 79												1	0	1	59.5
70/ 74												1	1	2	56.1
65/ 69		0		0	58		0		0	57	0	2	0	2	53.2
60/ 64	0	0	0	0	58		0	0	0	53.2	0	4	2	6	50.5
55/ 59	1	1	0	2	53.6		1	0	1	47.1	1	8	3	12	46.5
50/ 54	1	2	1	4	47.1	1	3	1	5	43.7	1	16	6	23	42.7
45/ 49	2	5	3	10	41.6	1	8	4	13	39.4	6	29	17	52	39.7
40/ 44	3	10	5	18	37.7	2	12	6	20	36.6	10	31	22	63	36.5
35/ 39	18	35	25	78	33.7	15	36	26	77	32.9	36	56	55	147	33.2
30/ 34	34	41	41	116	29.5	31	41	41	113	29.1	52	43	55	150	29
25/ 29	35	45	41	121	24.3	31	40	40	111	23.7	45	28	41	114	23.9
20/ 24	22	26	28	76	19.7	23	26	27	76	19.4	25	12	19	56	19.5
15/ 19	36	32	33	101	15.6	31	27	32	90	15.2	32	10	15	57	15.5
10/ 14	24	20	25	69	10.4	25	14	20	59	10.3	16	4	7	27	10.5
5/ 9	21	13	19	53	5.8	21	8	14	43	5.9	10	1	3	14	5.8
0/ 4	21	10	13	44	0.8	17	5	7	29	1	7	1	1	9	1.2
-5/ -1	8	3	5	16	-3.4	10	1	3	14	-3.2	2	0	1	3	-3.1
-10/ -6	11	3	6	20	-7.9	9	1	2	12	-7.5	2	0	0	2	-7.5
-15/-11	5	1	1	7	-12.3	4	0	0	4	-12.1	1		0	1	-12.1
-20/-16	5	0	1	6	-16.6	2	0	0	2	-16.4	0			0	-16.2
-25/-21	1		0	1	-21.7	1			1	-21.6	0			0	-22
-30/-26	0			0	-26	0			0	-25.8					

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)**
95/ 99		0		0	62		0		0	72		1	0	1	75.7
90/ 94		1		1	63.7		1	0	1	67.7		6	1	7	72.1
85/ 89		1	0	1	63.9		4	1	5	65.1	0	12	3	15	69.7
80/ 84		2	1	3	61.4		13	4	17	63.1	0	35	12	47	66.9
75/ 79		5	2	7	57.6	0	20	7	27	60.2	3	46	20	69	64.5
70/ 74	0	10	5	15	54.9	2	37	17	56	57.9	14	56	42	112	62.9
65/ 69	1	11	5	17	52.2	5	31	21	57	56.2	27	32	36	95	61.1
60/ 64	3	24	14	41	49.7	18	50	42	110	54	59	33	53	145	58.3
55/ 59	6	29	20	55	46.5	37	40	46	123	51.3	58	14	39	111	54
50/ 54	13	42	29	84	43.6	57	32	46	135	47.8	45	5	22	72	50.2
45/ 49	31	50	45	126	40.9	56	17	39	112	43.6	24	1	8	33	45.6
40/ 44	36	30	35	101	37.6	34	3	16	53	39.7	7		1	8	41.2
35/ 39	59	25	47	131	34	26	0	7	33	35.8	3		0	3	37.3
30/ 34	45	8	26	79	29.6	11	0	2	13	31.1	0			0	32.9
25/ 29	34	2	11	47	25	2		0	2	27.2					
20/ 24	9	1	2	12	20.5										
15/ 19	3	0	0	3	16.3										
10/ 14	1		0	1	10.9										
5/ 9	0			0	6.9										
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															
-30/-26															

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)**
95/ 99		1	0	1	74.5		0		0	75.4		0		0	74
90/ 94		10	2	12	73		7	1	8	72.8		2	0	2	70.8
85/ 89	0	25	7	32	70.9		17	3	20	71		4	0	4	71.5
80/ 84	1	58	21	80	68.2	0	51	15	66	68.7	0	15	2	17	68.2
75/ 79	6	61	34	101	66.5	3	64	26	93	66.2	1	30	9	40	65.8
70/ 74	31	56	57	144	65.6	25	59	54	138	65.3	7	49	23	79	63.5
65/ 69	51	21	47	119	63.6	42	28	50	120	63.3	17	37	31	85	61.1
60/ 64	75	13	51	139	60.1	73	18	53	144	60.1	43	54	50	147	57.9
55/ 59	48	2	22	72	55.4	55	4	29	88	55.3	46	29	45	120	53.9
50/ 54	28	0	7	35	51.3	32	0	13	45	51.3	48	14	39	101	49.9
45/ 49	7		1	8	46.4	15	0	3	18	46.5	40	5	26	71	45.4
40/ 44	0			0	42.3	2	0	0	2	42.3	22	1	9	32	41.1
35/ 39						0	0		0	38.1	14	0	4	18	37
30/ 34											2		1	3	32.1
25/ 29											0		0	0	26.4
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															
-25/-21															
-30/-26															

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)**
95/ 99															
90/ 94															
85/ 89		0		0	64										
80/ 84		1	0	1	63.5										
75/ 79	0	6	0	6	63.2										
70/ 74	0	13	3	16	60.6		1	0	1	59.9		0		0	59
65/ 69	3	17	6	26	58.3	0	3	1	4	58.5		0		0	54.5
60/ 64	9	35	17	61	55.3	2	9	5	16	55.5	0	1	0	1	53.2
55/ 59	18	44	34	96	51.6	5	12	7	24	51.1	1	1	0	2	50.5
50/ 54	35	49	45	129	47.6	10	24	13	47	46.6	1	4	2	7	46.9
45/ 49	45	45	49	139	42.9	20	43	29	92	42.1	5	11	7	23	42.5
40/ 44	35	20	34	89	38.9	23	39	27	89	38	8	19	12	39	38.2
35/ 39	45	14	35	94	35.4	46	57	56	159	33.9	28	47	34	109	33.9
30/ 34	37	2	18	57	30.9	52	32	48	132	29.6	46	51	52	149	29.6
25/ 29	17	0	7	24	26.3	41	15	34	90	24.9	44	43	47	134	24.6
20/ 24	3		1	4	21.6	21	4	13	38	20.5	26	22	24	72	20
15/ 19	1			1	18.4	14	1	6	21	16.7	31	25	31	87	15.8
10/ 14						4	0	1	5	11.7	21	12	17	50	10.7
5/ 9						1	0	0	1	6.7	15	6	11	32	6.4
0/ 4						0			0	2.3	11	4	6	21	1.3
-5/ -1											5	1	2	8	-2.8
-10/ -6											4	1	1	6	-7.2
-15/-11											2	0	0	2	-12.1
-20/-16											1	0	0	1	-16.7
-25/-21											0			0	-20.8
-30/-26															

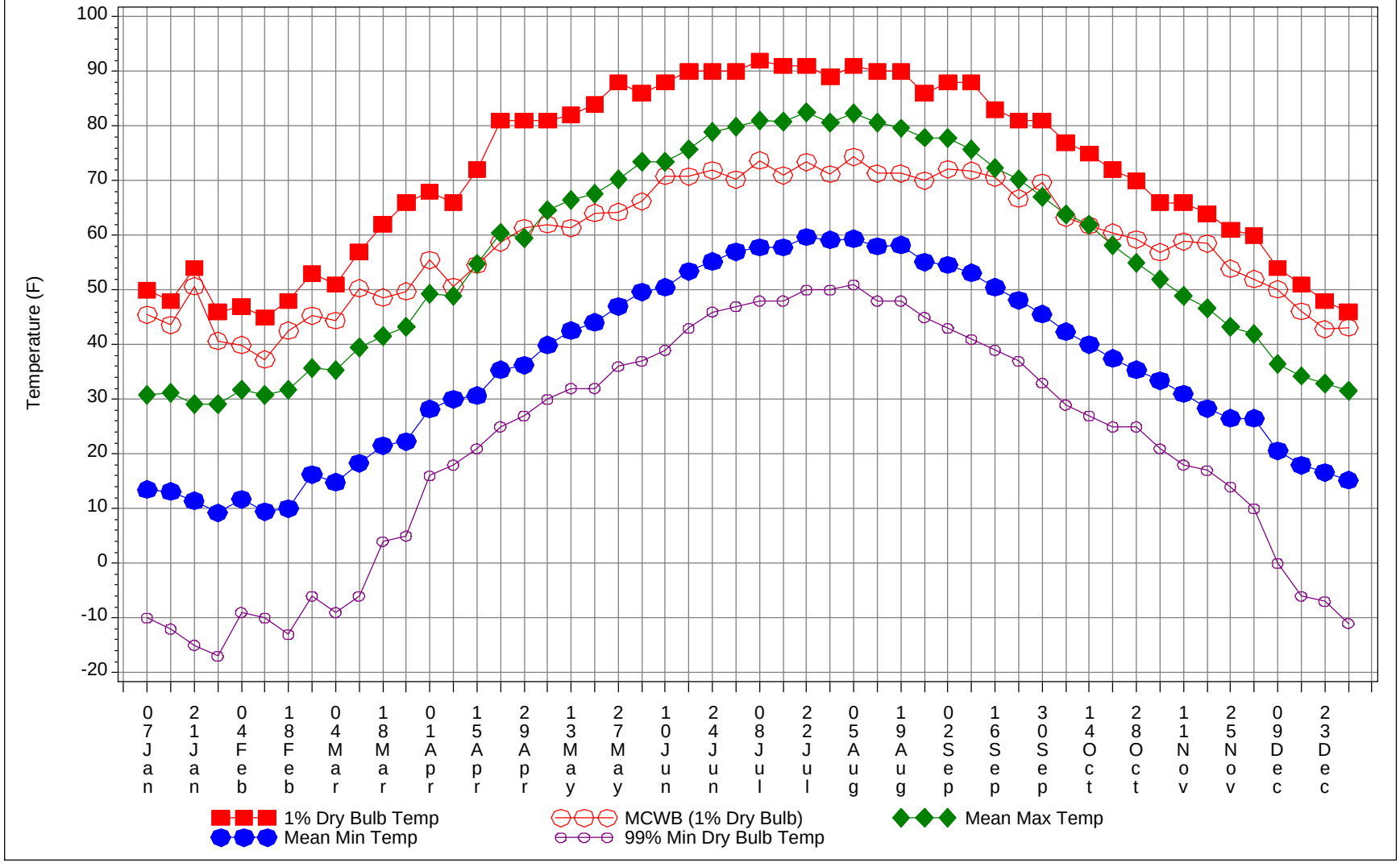
Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

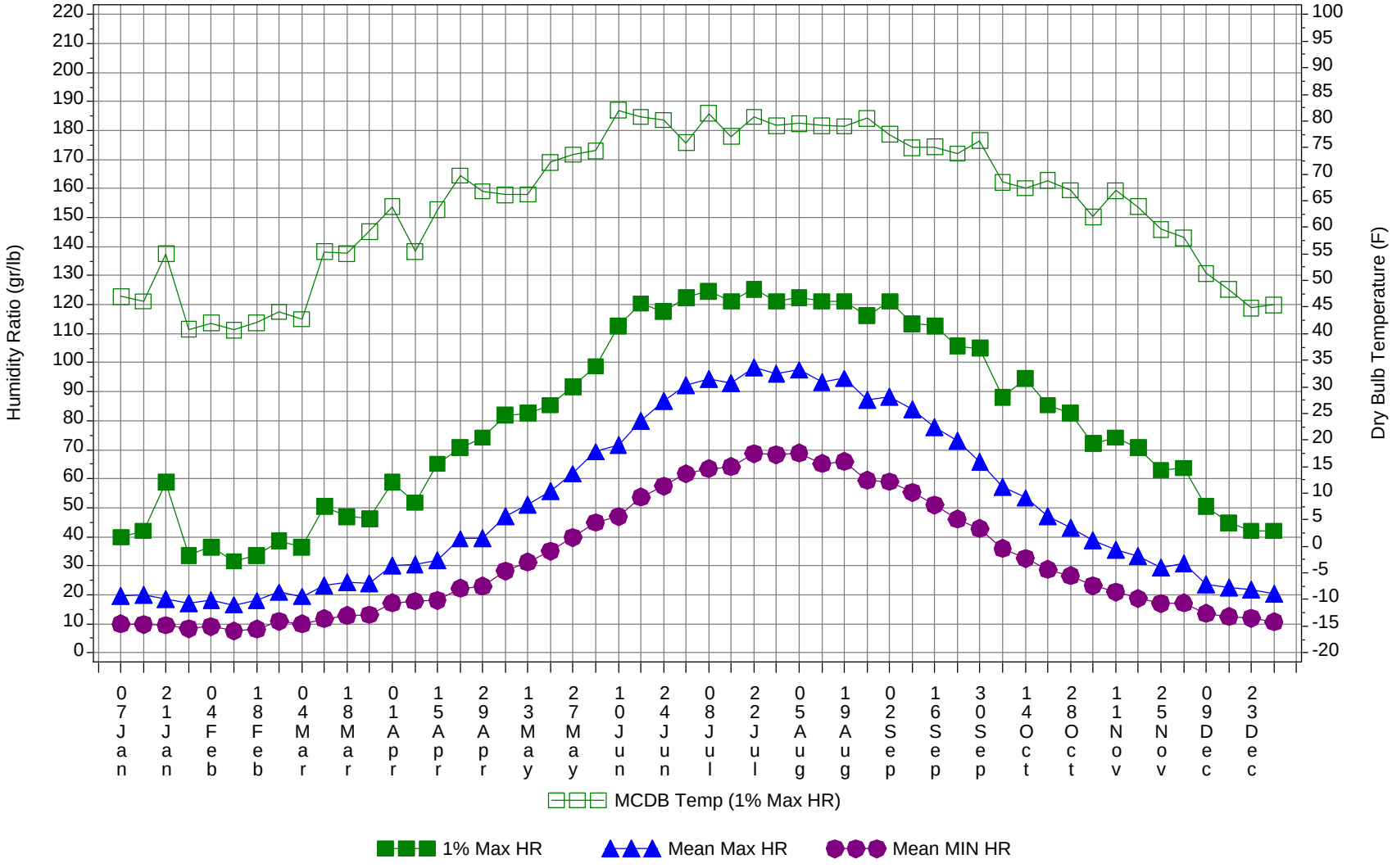
	Annual				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
95/ 99		2	0	2	74.7
90/ 94		27	5	32	72.1
85/ 89	0	63	15	78	70.2
80/ 84	1	176	56	233	67.6
75/ 79	13	232	99	344	65.2
70/ 74	79	282	201	562	63.5
65/ 69	146	183	198	527	61.2
60/ 64	284	244	288	816	57.5
55/ 59	274	185	248	707	52.7
50/ 54	272	192	225	689	47.9
45/ 49	254	214	229	697	42.7
40/ 44	183	165	167	515	38.3
35/ 39	291	270	290	851	34
30/ 34	310	219	284	813	29.5
25/ 29	249	172	220	641	24.4
20/ 24	129	90	113	332	19.8
15/ 19	147	96	117	360	15.6
10/ 14	90	50	70	210	10.5
5/ 9	67	29	47	143	6
0/ 4	57	19	28	104	1
-5/ -1	25	5	10	40	-3.2
-10/ -6	26	5	9	40	-7.7
-15/-11	11	1	2	14	-12.2
-20/-16	8	0	1	9	-16.6
-25/-21	2		0	2	-21.5
-30/-26	0			0	-25.9

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



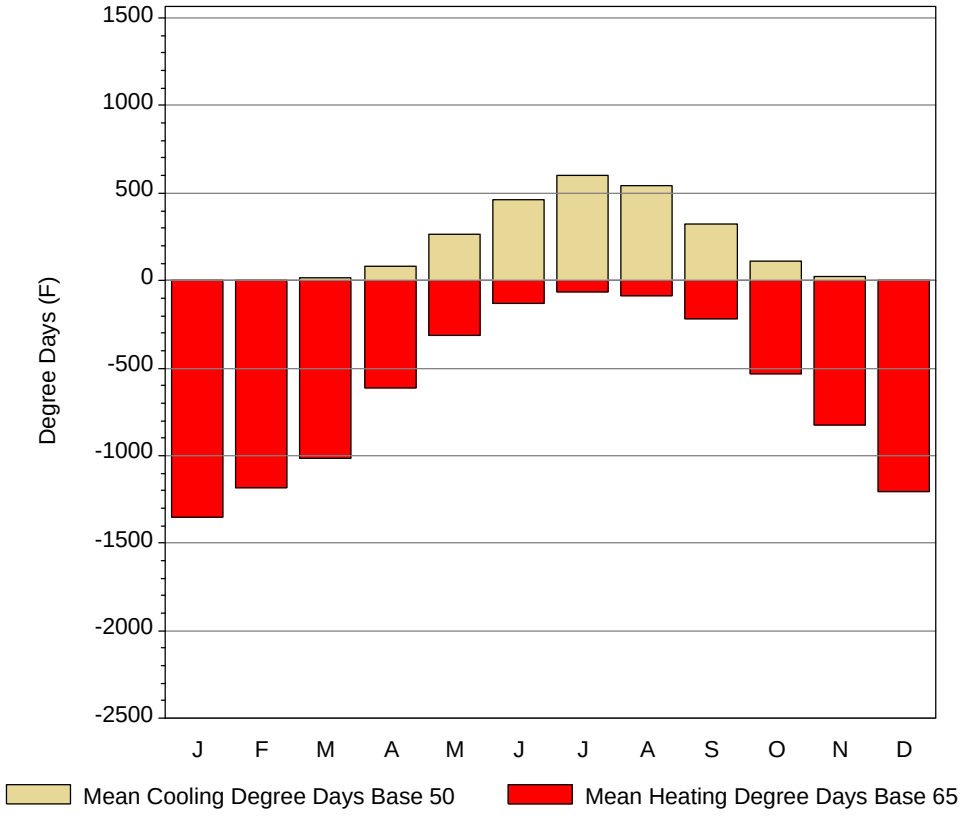
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

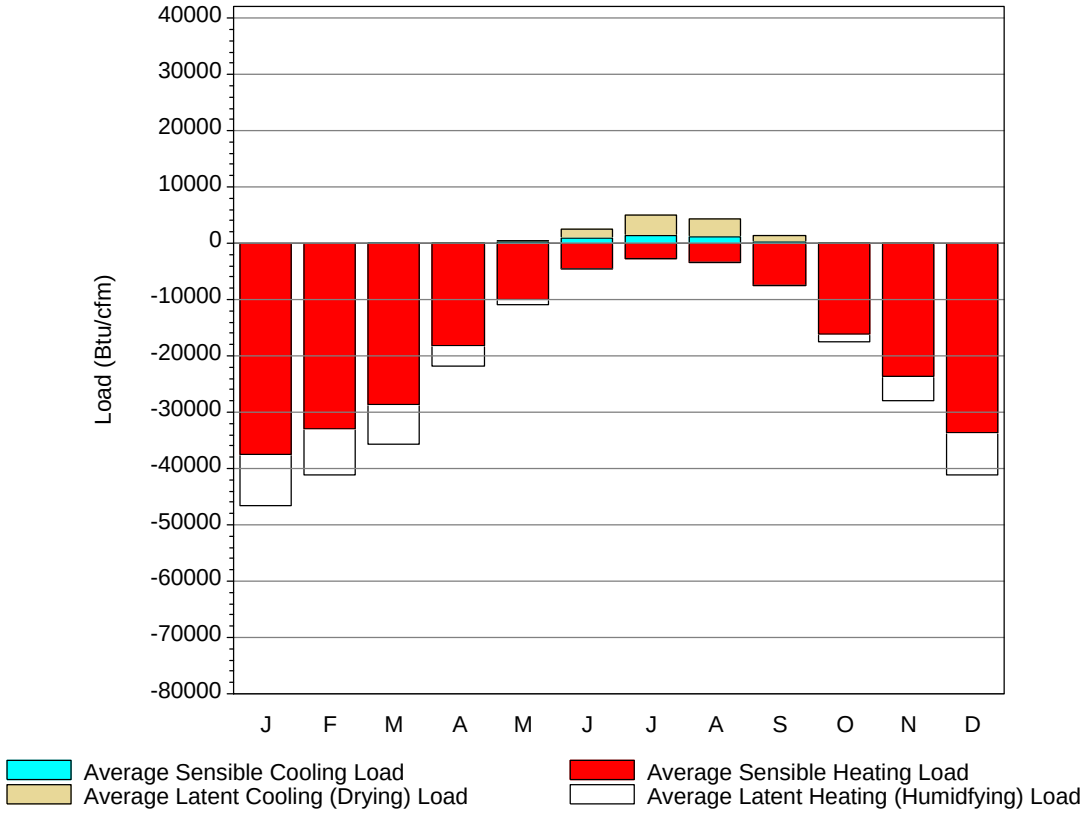
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	50	45.5	30.9	13.5	-10	39.9	47	19.7	10
14-Jan	48	43.6	31.1	13.1	-12	42	46.1	19.9	9.8
21-Jan	54	50.7	29.1	11.4	-15	58.8	55	18.5	9.5
28-Jan	46	40.7	29.2	9.2	-17	33.6	40.8	17	8.3
4-Feb	47	39.9	31.7	11.7	-9	36.4	42	18.3	9
11-Feb	45	37.3	30.8	9.4	-10	31.5	40.7	16.5	7.5
18-Feb	48	42.6	31.7	10	-13	33.6	42.1	18	8.2
25-Feb	53	45.3	35.7	16.2	-6	38.5	44.1	20.9	10.8
4-Mar	51	44.4	35.4	14.8	-9	36.4	42.7	19.4	9.9
11-Mar	57	50.3	39.5	18.3	-6	50.4	55.4	23.2	11.7
18-Mar	62	48.6	41.6	21.5	4	46.9	55.1	24.2	12.9
25-Mar	66	49.7	43.2	22.3	5	46.2	59.2	23.9	13.1
1-Apr	68	55.5	49.3	28.2	16	58.8	63.9	30.2	17.1
8-Apr	66	50.6	48.9	30	18	51.8	55.5	30.5	17.8
15-Apr	72	54.6	54.7	30.7	21	65.1	63.3	32	18.1
22-Apr	81	58.7	60.4	35.4	25	70.7	69.7	39.3	22.2
29-Apr	81	61.3	59.5	36.2	27	74.2	66.8	39.4	23
6-May	81	62	64.6	39.9	30	81.9	66.1	47.1	28.2
13-May	82	61.3	66.4	42.6	32	82.6	66.2	51	31.2
20-May	84	64.1	67.7	44.1	32	85.4	72.2	55.7	35
27-May	88	64.3	70.2	47	36	91.7	73.7	61.7	39.8
4-Jun	86	66.2	73.4	49.6	37	98.7	74.4	69.3	44.9
10-Jun	88	70.9	73.5	50.5	39	112.7	82	71.6	47
17-Jun	90	70.8	75.8	53.4	43	120.4	80.8	79.9	53.6
24-Jun	90	71.9	79	55.2	46	117.6	80.2	86.9	57.5
1-Jul	90	70.2	79.8	57	47	122.5	75.9	92.3	61.7
8-Jul	92	73.7	81.1	57.8	48	124.6	81.4	94.4	63.5
15-Jul	91	71	80.8	57.8	48	121.1	77.1	93	64.1
22-Jul	91	73.4	82.5	59.7	50	125.3	80.8	98.4	68.6
29-Jul	89	71.2	80.7	59.2	50	121.1	79.1	96.3	68.3
5-Aug	91	74.4	82.4	59.4	51	122.5	79.5	97.5	68.9
12-Aug	90	71.3	80.7	58	48	121.1	79.1	93.3	65.2
19-Aug	90	71.3	79.6	58.2	48	121.1	79	94.6	65.9
26-Aug	86	70	77.9	55.1	45	116.2	80.5	87.1	59.4
2-Sep	88	72.1	77.8	54.6	43	121.1	77.5	88.4	59
9-Sep	88	71.8	75.8	53.1	41	113.4	75	84	55.3
16-Sep	83	70.6	72.4	50.5	39	112.7	75.1	77.8	50.9
23-Sep	81	66.7	70.3	48.1	37	105.7	73.9	73.2	46.1
30-Sep	81	69.7	67	45.6	33	105	76.3	66	42.8
7-Oct	77	63.2	63.9	42.4	29	88.2	68.5	57.1	36
14-Oct	75	61.8	61.9	40	27	94.5	67.4	53.4	32.6
21-Oct	72	60.5	58.2	37.5	25	85.4	68.8	47.2	28.8
28-Oct	70	59.3	54.9	35.4	25	82.6	67	43.1	26.6
4-Nov	66	56.9	51.9	33.4	21	72.1	62	38.9	23.2
11-Nov	66	58.9	49	31	18	74.2	66.9	35.6	20.9
18-Nov	64	58.5	46.7	28.3	17	70.7	63.9	33.3	18.7
25-Nov	61	53.9	43.2	26.5	14	63	59.6	29.5	17
2-Dec	60	52	42	26.5	10	63.7	58	30.8	17.1
9-Dec	54	50.1	36.5	20.6	0	50.4	51.3	23.6	13.6
16-Dec	51	46.1	34.3	17.9	-6	44.8	48.3	22.5	12.4
23-Dec	48	42.8	32.9	16.6	-7	42	44.8	21.7	11.9
31-Dec	46	43.1	31.6	15.2	-11	42	45.4	20.3	10.6

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	1.1	0	1354.2
FEB	0.8	0	1182.6
MAR	13.3	1.5	1015.4
APR	82.4	11.5	616.2
MAY	262.4	52.7	313.1
JUN	460.5	128.8	126.6
JUL	599.8	197.8	64
AUG	544.1	163.6	87.3
SEP	326	65.2	221
OCT	109	9.9	534.1
NOV	22.4	0.5	825.5
DEC	1.8	0	1202.4
ANN	2423.6	631.5	7542.4

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	-37511	0	-9124
FEB	0	-32851	0	-8326
MAR	8	-28716	0	-6840
APR	55	-18196	4	-3496
MAY	273	-10058	136	-753
JUN	831	-4617	1653	-20
JUL	1438	-2645	3646	-1
AUG	1053	-3409	3194	-5
SEP	288	-7448	1165	-81
OCT	17	-16132	78	-1408
NOV	0	-23720	4	-4173
DEC	0	-33576	0	-7501
ANN	3963	-218879	9880	-41728

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	CONCORD, NH 14745	Window:	1.000
Lat, Lon, Elev	43.20N 71.50W 345ft	Overhang:	0.626
Press, Stn_Type	14.5psia Secondary	Vert Gap:	0.330

AVERAGE INCIDENT SOLAR RADIATION (Btu/sq.ft./day) Percentage Uncertainty = 11

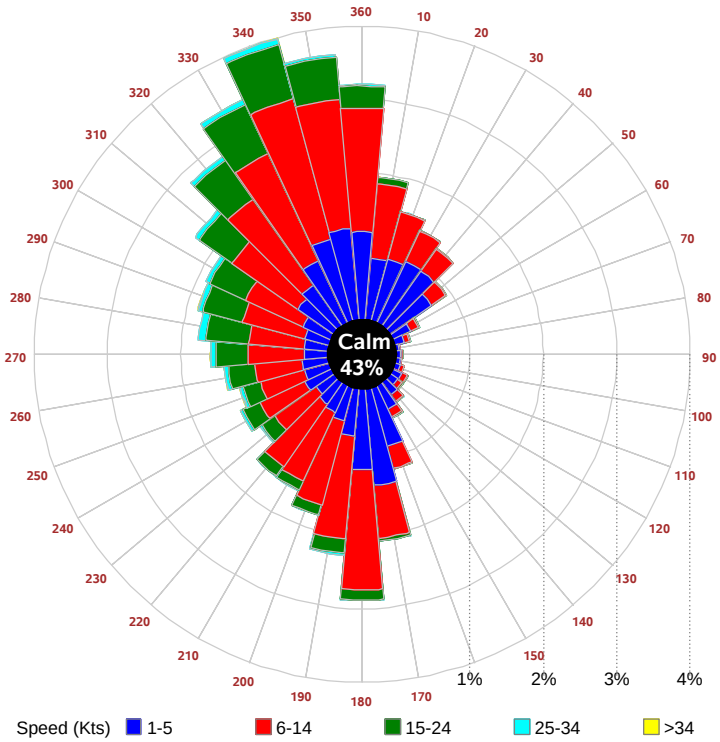
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Global	600	890	1230	1490	1780	1920	1920	1680	1320	920	570	480	1240
	Std.Dev.	47	75	98	119	154	143	106	77	91	62	40	36	39
	Minimum	510	720	1000	1260	1480	1610	1740	1550	1170	810	450	400	1170
	Maximum	690	1080	1430	1680	2080	2170	2100	1870	1490	1140	630	550	1290
	Diffuse	310	450	600	690	800	850	820	720	570	420	310	260	570
Clear Day	Global	770	1140	1650	2160	2520	2650	2560	2240	1760	1230	820	660	1680
NORTH	Global	190	270	360	430	550	620	580	470	360	270	190	160	370
	Diffuse	190	270	360	420	500	530	510	450	360	270	190	160	350
Clear Day	Global	170	240	320	410	580	690	630	470	340	250	170	150	370
EAST	Global	430	600	780	910	1030	1090	1080	980	790	590	380	340	750
	Diffuse	240	340	450	510	590	630	620	550	440	330	230	200	430
Clear Day	Global	610	850	1130	1350	1490	1530	1490	1380	1160	880	630	540	1090
SOUTH	Global	1060	1210	1170	1000	890	840	890	1000	1110	1110	880	880	1000
	Diffuse	370	470	530	540	570	580	590	560	510	420	330	310	480
Clear Day	Global	1800	1960	1880	1520	1200	1040	1090	1350	1690	1860	1780	1700	1570
WEST	Global	420	600	770	890	1000	1090	1080	1000	820	610	380	330	750
	Diffuse	240	340	450	520	600	640	630	560	460	330	230	200	430
Clear Day	Global	610	850	1130	1350	1490	1530	1490	1380	1160	880	630	540	1090

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING Percentage Uncertainty = 11														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Unshaded	380	600	860	1070	1280	1390	1390	1210	940	630	370	300	870
NORTH	Unshaded	130	190	250	290	360	410	380	320	250	190	130	110	250
	Shaded	110	160	210	250	310	350	330	280	220	160	110	93	220
EAST	Unshaded	290	420	550	650	730	770	770	700	560	420	270	230	530
	Shaded	260	360	470	540	600	630	630	580	460	360	230	200	440
SOUTH	Unshaded	800	890	820	660	570	520	550	650	760	810	660	670	700
	Shaded	780	820	630	400	340	350	350	370	520	700	630	650	540
WEST	Unshaded	290	420	550	630	710	770	770	710	590	430	270	230	530
	Shaded	250	360	460	520	580	630	630	590	500	370	230	200	440

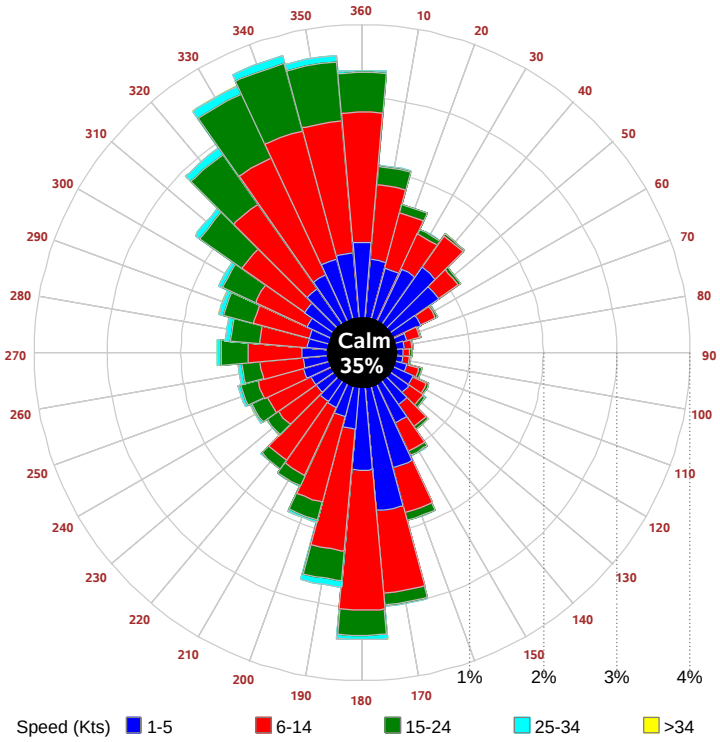
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 11											
				March					June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	42	71	77	57	19	54	86	98	91	63
	M.Cloudy	27	47	49	37	13	34	55	70	64	41
NORTH	M.Clear	10	14	15	12	7	13	16	16	16	14
	M.Cloudy	11	16	17	14	6	13	17	19	18	14
EAST	M.Clear	73	50	15	12	7	82	67	23	16	14
	M.Cloudy	31	30	17	14	6	37	39	23	18	14
SOUTH	M.Clear	47	80	86	63	21	12	39	52	45	20
	M.Cloudy	22	40	43	31	9	13	27	39	34	16
WEST	M.Clear	10	14	30	69	55	12	16	16	57	80
	M.Cloudy	11	16	23	33	19	13	17	19	40	42
M.Clear	(% hrs)	33	32	32	32	34	37	36	25	24	30

				Sept					Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	32	67	80	70	39	14	36	39	19	0
	M.Cloudy	19	40	54	47	24	9	23	23	12	0
NORTH	M.Clear	9	14	15	14	10	5	9	10	6	0
	M.Cloudy	8	14	17	16	9	4	9	10	6	0
EAST	M.Clear	68	64	20	14	10	35	31	10	6	0
	M.Cloudy	23	31	19	16	9	11	16	10	6	0
SOUTH	M.Clear	27	63	78	67	34	36	78	82	47	0
	M.Cloudy	13	31	46	39	17	12	30	29	16	0
WEST	M.Clear	9	14	15	57	71	5	9	25	40	0
	M.Cloudy	8	14	17	34	30	4	9	14	14	0
M.Clear	(% hrs)	34	43	37	34	38	34	31	30	31	35

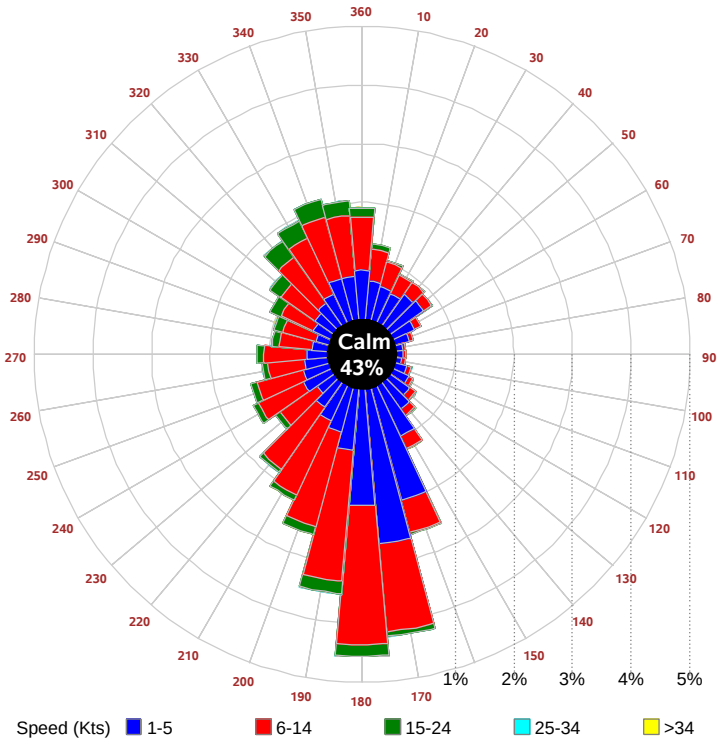
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November