LAURENCE G HANSCOM FLD, MA	
Latitude = 42.47 N	Station ID = ICAO_KBED
Longitude = 71.29 W	Elevation = 133 Feet
Period of Record = 1988 To 2017	Average Pressure = 29.85 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	97	78	112	11.4	W
0.4% Occurrence	91	74	98	10.7	W
1.0% Occurrence	88	72	95	10.5	W
2.0% Occurrence	85	71	92	9.9	SW
Mean Daily Range	19	-	-	-	NW
97.5% Occurrence	14	12	7	8.1	NW
99.0% Occurrence	7	5	5	7.7	W
99.6% Occurrence	2	1	4	6	NW
Median of Extreme Lows	-4	-5	3	5.3	WNW

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	79	90	130	10.7	WSW
0.4% Occurrence	77	87	122	10.1	SW
1.0% Occurrence	75	83	116	9.5	SW
2.0% Occurrence	73	80	110	8.5	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	135	85	0.9	9.6	WSW
0.4% Occurrence	125	81	0.83	8.5	SW
1.0% Occurrence	119	80	0.79	8.9	SW
2.0% Occurrence	116	79	0.77	8.9	SW

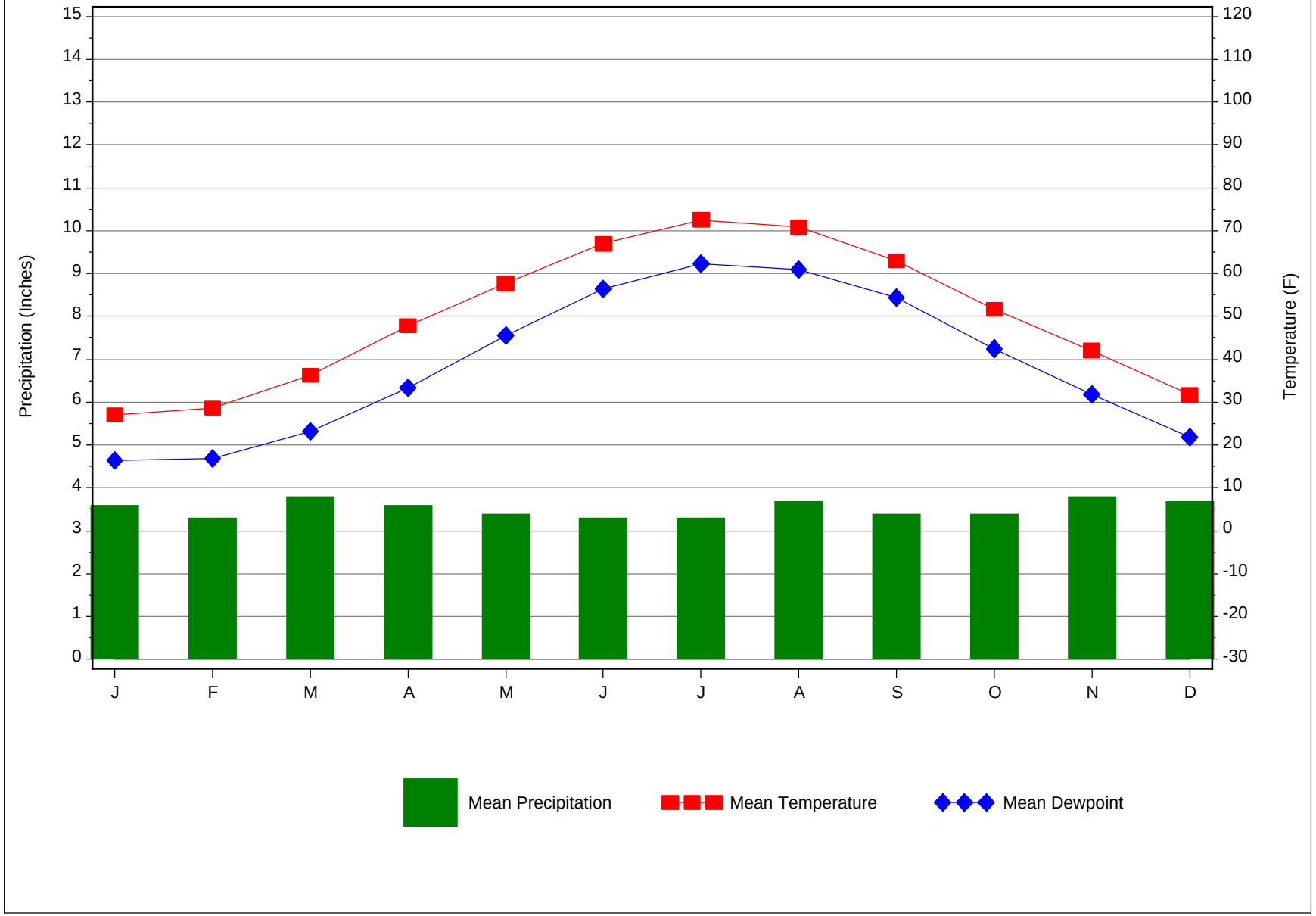
Air Conditioning/ Humid Area Criteria	**Threshold**	**T ≥ 93°F**	**T ≥ 80°F**	**Twb ≥ 73°F**	**Twb ≥ 67°F**
	# of Hours	21	474	247	951

Other Site Data

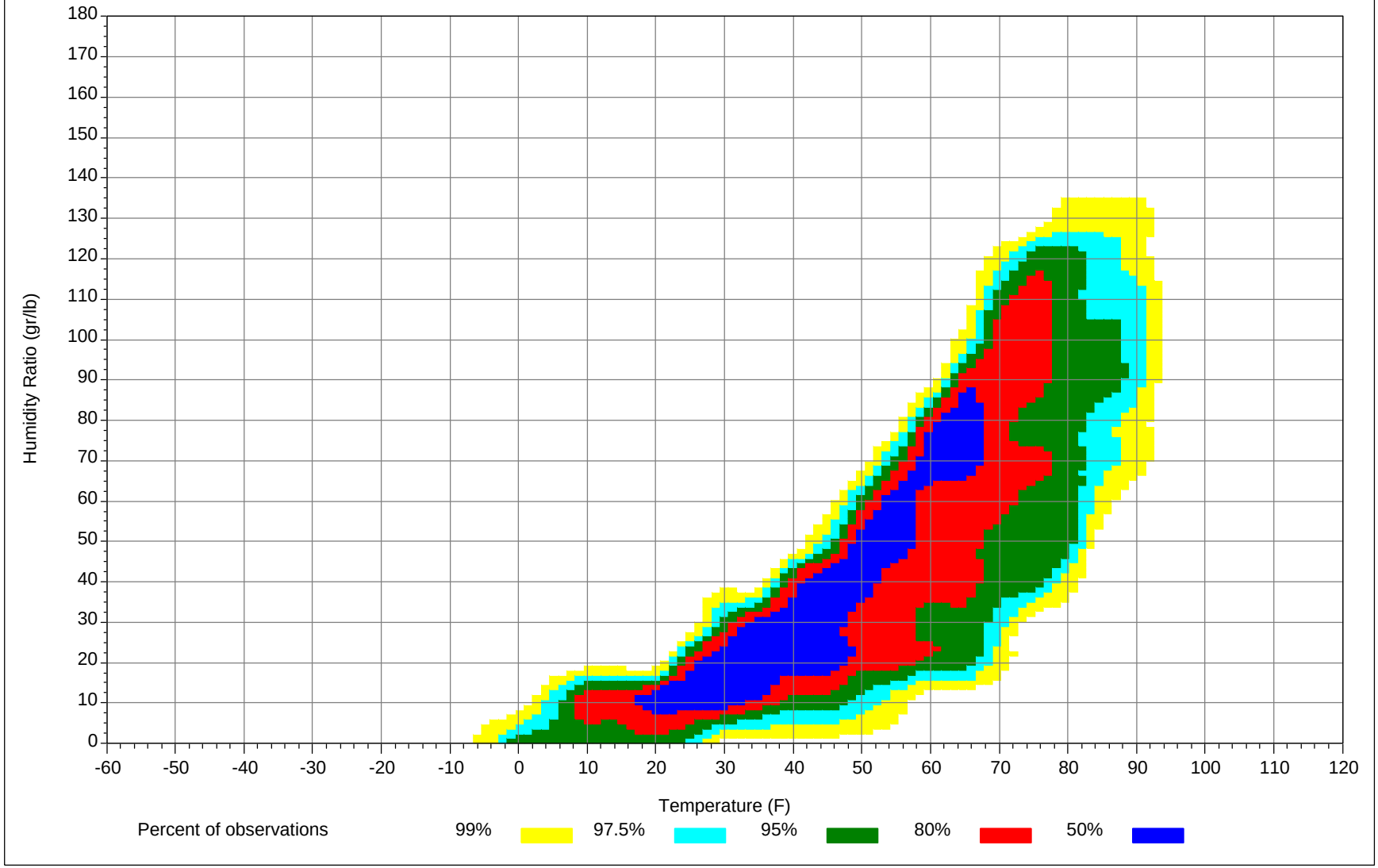
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
6	2.5	110	1.4 + 0.5
Ground Water Temperature (°F) 50 Foot Depth*	Frost Depth 50 Year Recurrence (in)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
52.3	54	34	77

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

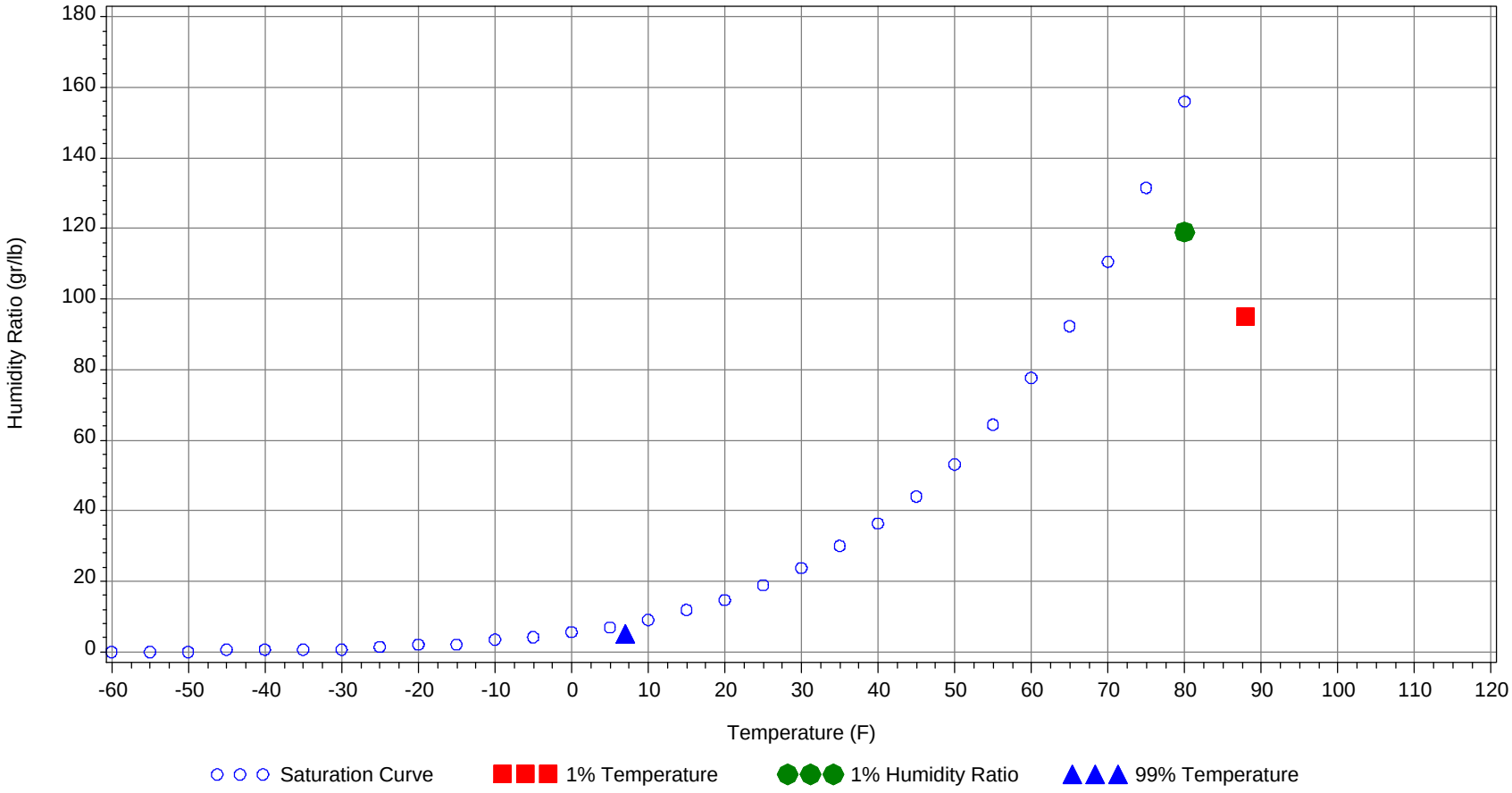
Average Annual Climate



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	88.0		72		95.0	36.0
99.0% Dry Bulb	7.0				5.0	2.4
1.0% Humidity Ratio	119.0	80.0	74.1	71.9		37.7

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	64.4
75/ 79												1	0	1	61.2
70/ 74		0		0	61.7		0		0	57.1		3	1	4	56.9
65/ 69	0	0	0	0	60.7		1	0	1	53.5	0	3	1	4	55.6
60/ 64	1	2	1	4	57.1	0	2	0	2	52.6	1	8	3	12	51.3
55/ 59	1	4	2	7	51.9	1	4	2	7	49.4	2	13	5	20	46.9
50/ 54	2	7	5	14	46.3	1	8	5	14	44.9	5	24	12	41	44.1
45/ 49	5	14	8	27	41.7	5	16	9	30	40.3	14	40	27	81	40.2
40/ 44	7	20	11	38	37.5	7	20	14	41	37	18	37	31	86	36.9
35/ 39	25	43	33	101	33.5	21	46	35	102	32.9	48	55	61	164	33.1
30/ 34	40	49	49	138	29.2	36	41	46	123	28.8	55	34	53	142	28.9
25/ 29	41	41	51	133	24	42	39	46	127	23.6	49	17	33	99	23.9
20/ 24	28	23	26	77	19.4	29	20	25	74	19.2	23	7	12	42	19.2
15/ 19	36	24	30	90	15.2	36	17	23	76	15.3	18	3	7	28	15.2
10/ 14	25	12	16	53	10.1	22	7	12	41	10.2	8	1	2	11	10
5/ 9	17	5	10	32	5.6	13	2	4	19	5.7	4	0	1	5	5.8
0/ 4	12	3	5	20	0.6	7	1	2	10	1.2	2	0	0	2	1.1
-5/ -1	4	1	1	6	-3.4	2	0	0	2	-3.1	0			0	-2.7
-10/ -6	2	0	1	3	-7.5	1	0	0	1	-7.4	0			0	-5
-15/-11	1			1	-11.6	1		0	1	-11.7					
-20/-16	0			0	-17.5										

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															
95/ 99							0	0	0	71		1	0	1	79.4
90/ 94		1	0	1	67.9		2	0	2	68.5		8	1	9	74.1
85/ 89		2	0	2	66.6		6	1	7	68.4	0	19	3	22	71.4
80/ 84		3	1	4	63.4	0	12	4	16	65.6	1	43	14	58	68.6
75/ 79	0	6	2	8	60.5	1	22	8	31	62.8	7	48	26	81	65.9
70/ 74	0	12	4	16	57.1	4	36	16	56	60	28	49	47	124	63.9
65/ 69	1	14	6	21	54.9	10	36	21	67	57.1	36	27	40	103	61.4
60/ 64	7	30	17	54	51.7	26	48	42	116	54.9	61	24	49	134	58.7
55/ 59	13	39	23	75	47.7	39	40	47	126	51.2	52	14	37	103	54.5
50/ 54	21	47	37	105	44.5	60	31	53	144	48.4	39	4	18	61	50.8
45/ 49	46	44	53	143	41.4	66	13	43	122	44.6	12	1	5	18	46.1
40/ 44	41	25	42	108	38.2	26	1	10	37	40.4	1	0	0	1	41.4
35/ 39	56	13	37	106	34.4	12	0	3	15	36.2	1			1	38
30/ 34	38	4	14	56	29.8	3	0	0	3	31.8					
25/ 29	14	0	3	17	25.2	0			0	27.4					
20/ 24	2	0	0	2	20										
15/ 19	0			0	15.5										
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															

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		0		0	75.7										
95/ 99		3	0	3	77.2		2	0	2	76.5		0		0	74
90/ 94	0	22	3	25	74.4		14	2	16	74.5		3	0	3	73
85/ 89	0	34	9	43	72.6	0	28	5	33	72.5		7	1	8	71.4
80/ 84	4	71	27	102	70	2	66	19	87	69.9	0	22	4	26	69.2
75/ 79	19	55	49	123	68.3	14	64	42	120	67.9	2	40	12	54	66.7
70/ 74	61	39	67	167	66.7	52	47	68	167	66.4	20	60	36	116	64.7
65/ 69	55	14	41	110	63.7	55	17	46	118	63.5	25	42	34	101	61.3
60/ 64	68	9	39	116	60.6	64	9	45	118	60.1	52	43	59	154	58.4
55/ 59	29	1	10	40	55.7	39	1	16	56	55.2	48	17	44	109	54.2
50/ 54	9		2	11	51.5	18	0	4	22	51.1	40	4	27	71	50.2
45/ 49	2		0	2	46.9	4		0	4	46.3	29	1	16	46	45.4
40/ 44	0			0	43	0		0	0	39	13	0	5	18	41.1
35/ 39						0			0	38	8		1	9	36.7
30/ 34											1		0	1	32.1
25/ 29											0			0	28
20/ 24															
15/ 19															
10/ 14															
5/ 9															
0/ 4															
-5/ -1															
-10/ -6															
-15/-11															
-20/-16															

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	67.2										
80/ 84		3	0	3	66.6		0		0	62.5					
75/ 79	0	10	0	10	64.5		1		1	64.4					
70/ 74	2	22	6	30	62.9		4	0	4	61.4		0		0	56.2
65/ 69	5	25	10	40	59.4	1	7	4	12	60.1		1	0	1	57.5
60/ 64	16	47	28	91	56.2	6	20	8	34	55.8	1	3	1	5	55.3
55/ 59	28	54	42	124	52.1	12	24	15	51	51.1	2	7	4	13	51.7
50/ 54	40	46	48	134	47.9	17	36	24	77	46.8	5	14	7	26	47.2
45/ 49	50	28	51	129	43.2	29	57	39	125	42.2	11	25	15	51	42
40/ 44	34	9	26	69	39.5	27	37	35	99	37.8	14	28	20	62	37.9
35/ 39	39	4	25	68	35.4	45	32	50	127	33.7	34	54	44	132	33.6
30/ 34	25	0	9	34	31.1	44	17	35	96	29.1	46	45	50	141	29.2
25/ 29	10		2	12	26.3	35	5	23	63	24.9	52	38	53	143	24.2
20/ 24	1			1	22.1	15	1	6	22	20.2	27	16	22	65	19.6
15/ 19	0			0	19	7	0	2	9	16.5	30	12	22	64	15.5
10/ 14						1	0	0	1	11.7	14	4	7	25	10.8
5/ 9						0			0	6.5	8	1	2	11	6.1
0/ 4						0			0	2.5	3	0	1	4	1.3
-5/ -1											1		0	1	-2.8
-10/ -6											0			0	-6.7
-15/-11											0			0	
-20/-16															

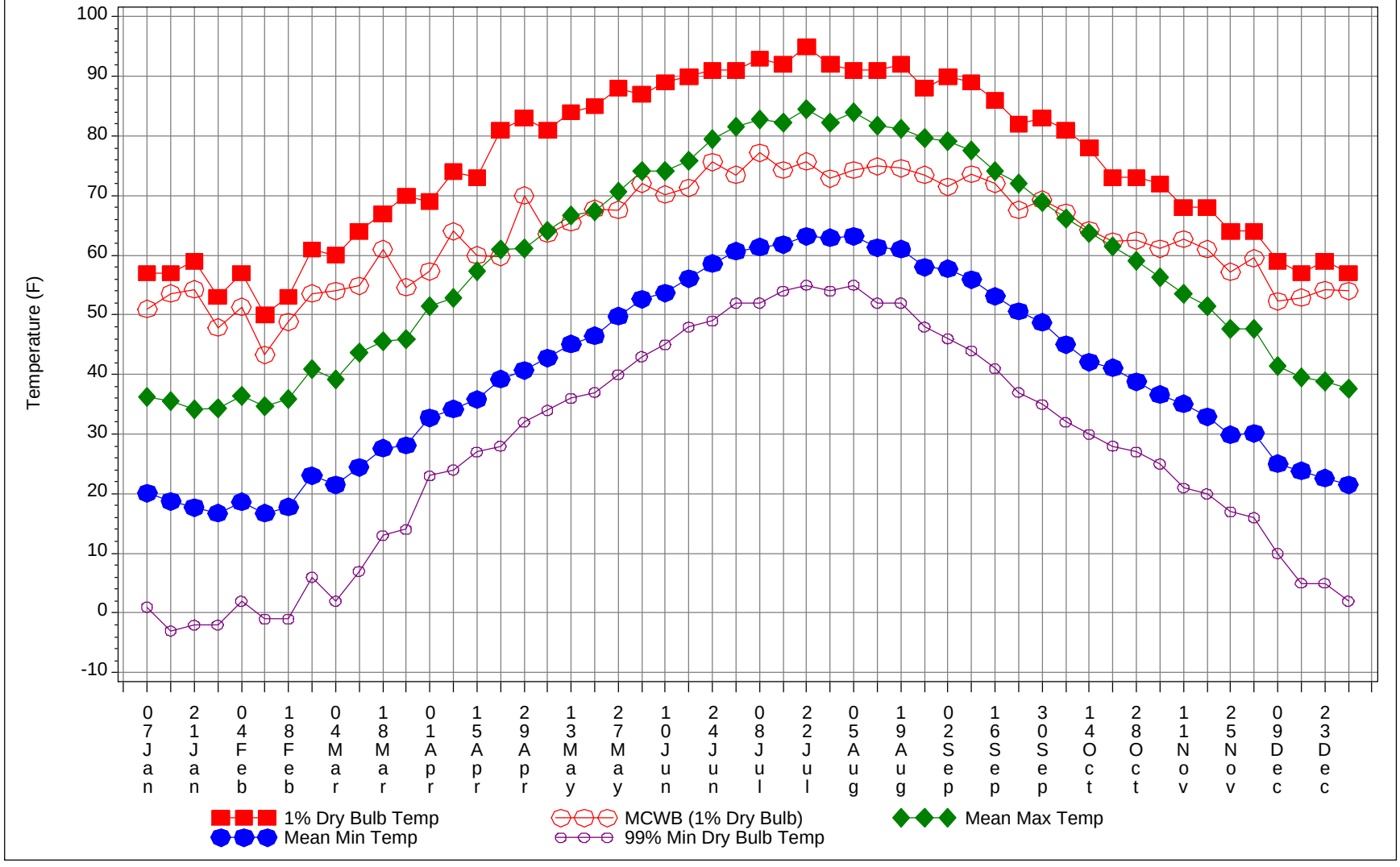
Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

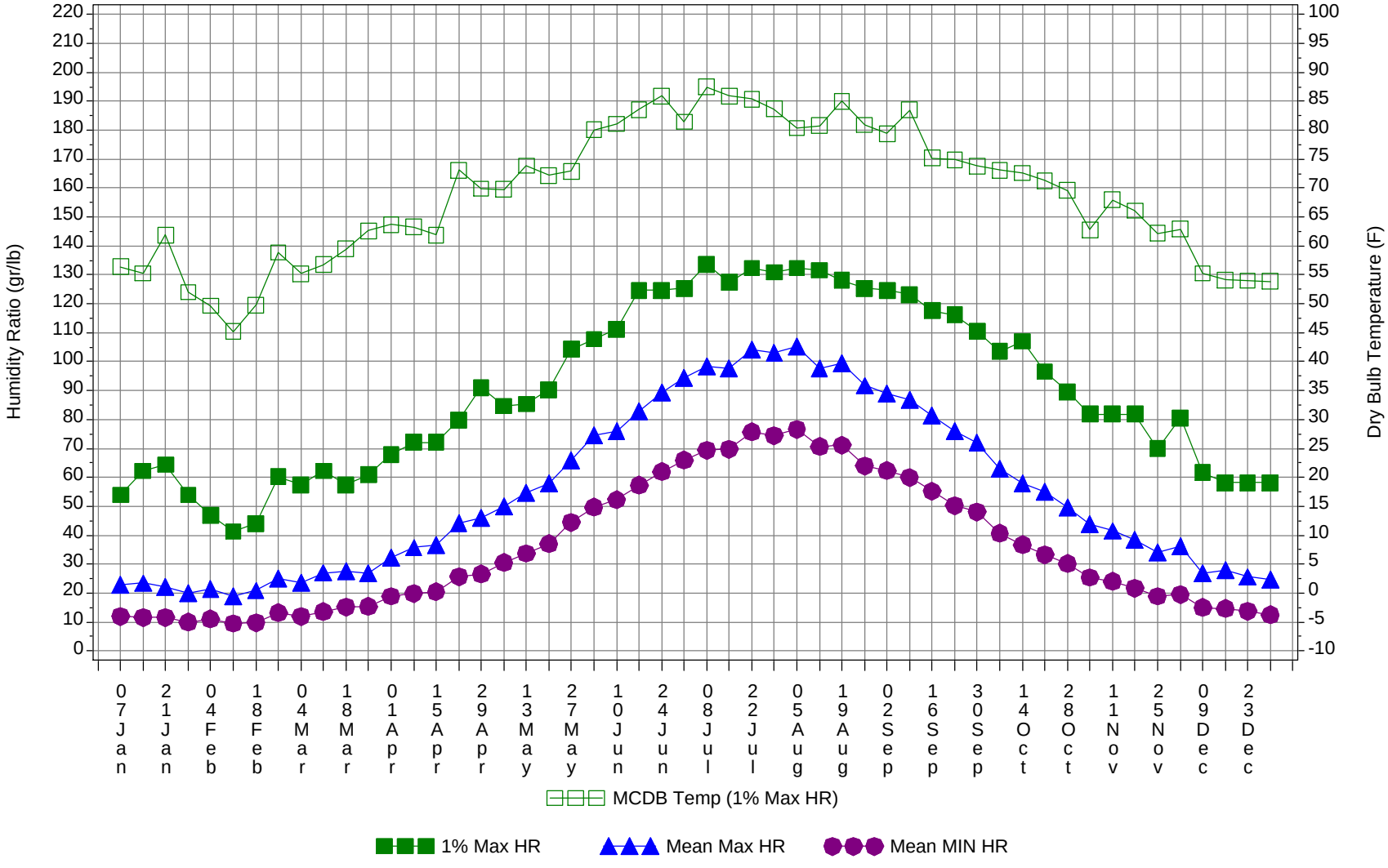
	Annual				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104		0		0	75.7
95/ 99		6	0	6	77.3
90/ 94	0	50	6	56	73.9
85/ 89	1	95	19	115	71.9
80/ 84	8	221	69	298	69.3
75/ 79	44	246	139	429	66.9
70/ 74	168	273	245	686	64.7
65/ 69	189	187	204	580	61.3
60/ 64	304	245	291	840	57.6
55/ 59	266	219	248	733	52.3
50/ 54	257	221	242	720	47.7
45/ 49	274	239	266	779	42.6
40/ 44	189	178	195	562	38.1
35/ 39	289	247	288	824	33.7
30/ 34	290	191	257	738	29.2
25/ 29	242	140	211	593	24.1
20/ 24	125	68	91	284	19.4
15/ 19	126	56	84	266	15.3
10/ 14	70	24	37	131	10.3
5/ 9	42	9	17	68	5.7
0/ 4	23	4	8	35	0.9
-5/ -1	8	1	2	11	-3.2
-10/ -6	4	0	1	5	-7.4
-15/-11	1		0	1	-11.7
-20/-16	0			0	-17.5

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



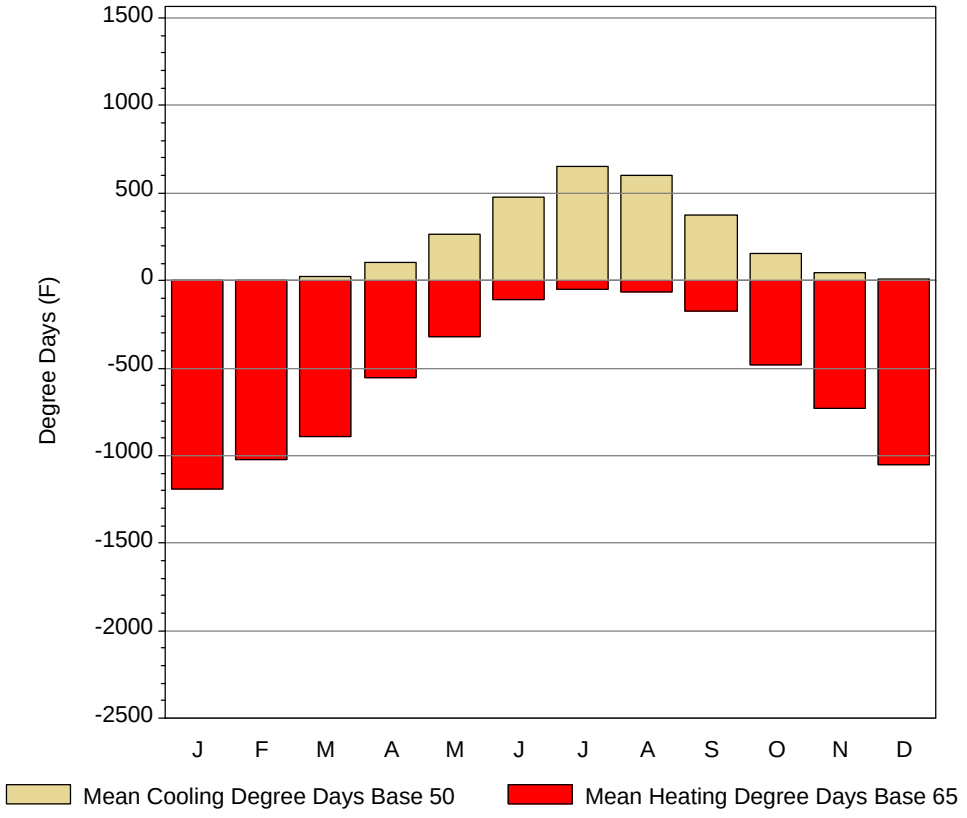
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

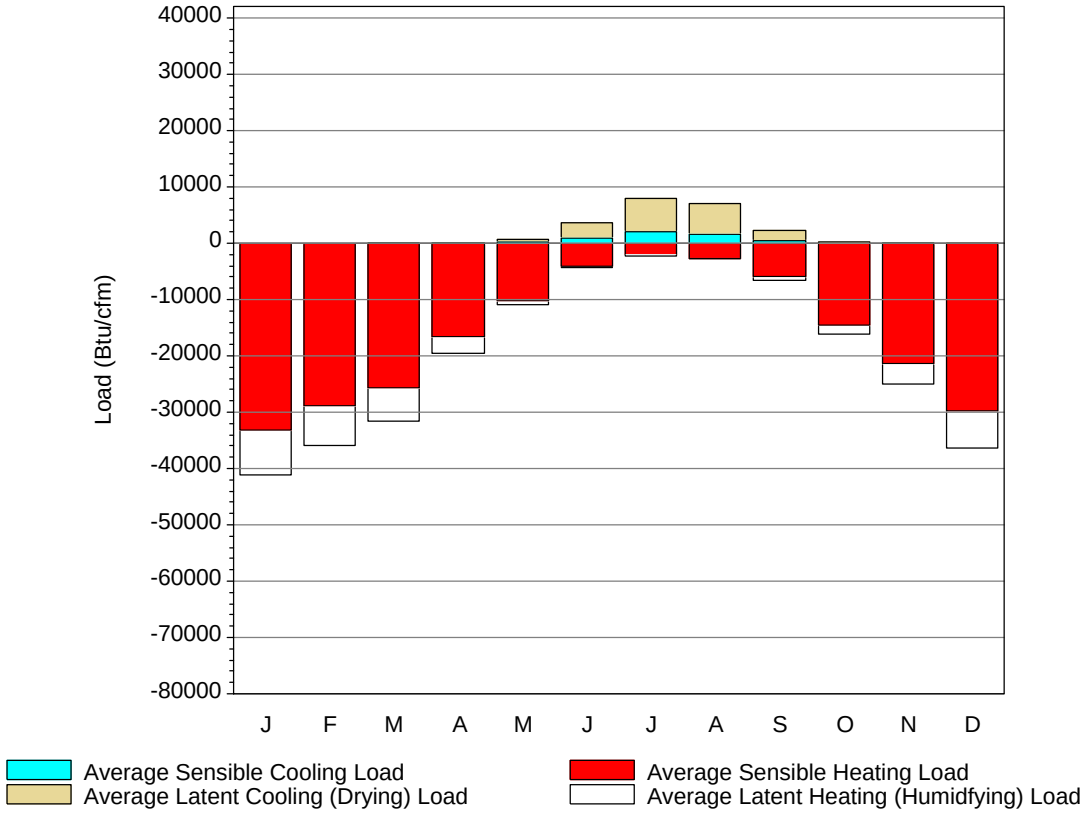
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	57	51	36.3	20.1	1	53.9	56.4	23	11.9
14-Jan	57	53.6	35.5	18.7	-3	62.3	55.3	23.4	11.6
21-Jan	59	54.3	34.2	17.7	-2	64.4	61.9	22.2	11.5
28-Jan	53	47.9	34.3	16.7	-2	53.9	52	20	9.9
4-Feb	57	51.3	36.4	18.6	2	46.9	49.7	21.5	11.1
11-Feb	50	43.3	34.6	16.7	-1	41.3	45.2	18.8	9.5
18-Feb	53	48.8	35.9	17.8	-1	44.1	49.8	20.9	9.8
25-Feb	61	53.6	40.9	23	6	60.2	58.9	25.1	13.2
4-Mar	60	54	39.1	21.5	2	57.4	55.2	23.5	12
11-Mar	64	54.9	43.7	24.4	7	62.3	56.8	27	13.5
18-Mar	67	61	45.5	27.6	13	57.4	59.5	27.7	15.1
25-Mar	70	54.6	45.9	28.1	14	60.9	62.6	26.7	15.3
1-Apr	69	57.3	51.5	32.7	23	67.9	63.7	32.3	18.9
8-Apr	74	64	52.8	34.2	24	72.1	63.3	35.7	19.9
15-Apr	73	60	57.3	35.8	27	72.1	61.9	36.5	20.5
22-Apr	81	59.7	61	39.2	28	79.8	73.1	44.3	25.6
29-Apr	83	70	61.1	40.7	32	91	69.9	45.9	26.5
6-May	81	63.6	64	42.8	34	84.7	69.8	49.9	30.6
13-May	84	65.5	66.7	45.1	36	85.4	73.9	54.6	33.7
20-May	85	67.8	67.4	46.5	37	90.3	72.2	58	37.1
27-May	88	67.6	70.6	49.8	40	104.3	72.9	66	44.4
4-Jun	87	72	74.2	52.6	43	107.8	80.1	74.6	49.7
10-Jun	89	70.2	74.1	53.7	45	111.3	81.1	76	52.3
17-Jun	90	71.3	75.9	56.1	48	124.6	83.6	82.8	57.3
24-Jun	91	75.6	79.5	58.6	49	124.6	85.9	89.4	62
1-Jul	91	73.5	81.6	60.7	52	125.3	81.5	94.4	66
8-Jul	93	77.2	82.7	61.4	52	133.7	87.5	98.3	69.4
15-Jul	92	74.3	82.3	61.8	54	127.4	85.9	97.7	69.7
22-Jul	95	75.7	84.5	63.2	55	132.3	85.4	104.2	75.7
29-Jul	92	72.9	82.3	62.9	54	130.9	83.7	103	74.5
5-Aug	91	74.3	83.9	63.2	55	132.3	80.4	105.2	76.6
12-Aug	91	74.9	81.8	61.3	52	131.6	80.8	97.6	70.6
19-Aug	92	74.6	81.2	61	52	128.1	85	99.6	71.1
26-Aug	88	73.5	79.6	58	48	125.3	80.9	91.7	64
2-Sep	90	71.5	79.2	57.7	46	124.6	79.4	88.9	62.3
9-Sep	89	73.6	77.5	55.9	44	123.2	83.5	86.7	59.9
16-Sep	86	72	74.2	53.1	41	117.6	75.2	81.4	55.2
23-Sep	82	67.6	72	50.6	37	116.2	74.9	76	50.2
30-Sep	83	69.3	68.9	48.7	35	110.6	73.8	71.9	48
7-Oct	81	67.2	66.1	45	32	103.6	73.1	62.9	40.7
14-Oct	78	64.2	63.8	42.1	30	107.1	72.6	57.9	36.7
21-Oct	73	62.3	61.5	41.1	28	96.6	71.3	55	33.2
28-Oct	73	62.5	59	38.8	27	89.6	69.6	49.5	30.2
4-Nov	72	61.1	56.3	36.6	25	81.9	62.8	43.8	25.4
11-Nov	68	62.7	53.5	35.1	21	81.9	68	41.5	24.1
18-Nov	68	61	51.5	32.9	20	81.9	66.1	38.4	21.7
25-Nov	64	57.2	47.6	29.9	17	70	62.2	34	18.9
2-Dec	64	59.5	47.7	30.1	16	80.5	62.9	36.1	19.5
9-Dec	59	52.3	41.5	25	10	61.6	55.3	26.9	15
16-Dec	57	52.9	39.5	23.8	5	58.1	54.1	27.8	14.7
23-Dec	59	54.2	38.8	22.6	5	58.1	54	25.6	13.8
31-Dec	57	54	37.6	21.5	2	58.1	53.9	24.6	12.5

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	4.8	0	1187.6
FEB	4.8	0.1	1025.3
MAR	21.5	1.9	893.9
APR	100.7	13.9	552.2
MAY	262.3	52.7	316.6
JUN	479.7	145.6	110.8
JUL	650	244.2	49.4
AUG	602.1	210.1	67.5
SEP	375.2	86.9	173.8
OCT	153.6	17.1	478.4
NOV	45.7	2	731.1
DEC	8.2	0.1	1054
ANN	2708.6	774.6	6640.6

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	-33191	0	-7961
FEB	0	-28773	0	-7179
MAR	4	-25558	3	-5950
APR	72	-16515	61	-2988
MAY	295	-10159	369	-836
JUN	1035	-4086	2574	-101
JUL	2030	-2019	6009	-130
AUG	1548	-2613	5430	-177
SEP	407	-5970	1977	-634
OCT	37	-14619	278	-1486
NOV	2	-21250	30	-3774
DEC	0	-29729	1	-6616
ANN	5430	-194482	16732	-37832

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	BOSTON, MA 14739	Window:	1.000
Lat, Lon, Elev	42.37N 71.03W 16ft	Overhang:	0.602
Press, Stn_Type	14.7psia Primary	Vert Gap:	0.329

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	590	850	1180	1490	1780	1940	1920	1700	1350	950	600	480	1240
	Std.Dev.	42	80	91	122	129	134	120	99	80	63	48	37	33
	Minimum	480	680	1000	1280	1530	1670	1660	1510	1230	850	480	390	1160
	Maximum	700	1060	1390	1710	2040	2230	2090	1890	1500	1100	690	560	1300
	Diffuse	280	400	550	700	830	900	870	760	590	420	300	240	570
Clear Day	Global	770	1120	1610	2120	2460	2580	2490	2190	1740	1220	820	660	1650
NORTH	Global	180	250	340	430	540	620	580	480	370	270	190	150	370
	Diffuse	180	250	340	420	500	540	530	460	370	270	190	150	350
Clear Day	Global	170	240	320	430	570	670	620	470	350	260	180	150	370
EAST	Global	410	560	740	890	1000	1080	1060	990	830	620	400	340	740
	Diffuse	220	310	420	520	600	640	630	570	460	340	230	190	430
Clear Day	Global	600	810	1070	1300	1410	1450	1410	1300	1100	850	610	520	1040
SOUTH	Global	1040	1150	1110	980	880	840	880	990	1120	1140	930	900	1000
	Diffuse	330	420	490	540	580	600	600	580	520	430	320	290	480
Clear Day	Global	1740	1870	1790	1480	1170	1020	1070	1310	1620	1780	1710	1640	1510
WEST	Global	410	570	730	870	990	1050	1060	960	810	610	400	340	730
	Diffuse	220	310	420	520	600	650	640	580	460	340	230	190	430
Clear Day	Global	600	810	1070	1300	1410	1450	1410	1300	1100	850	610	520	1040

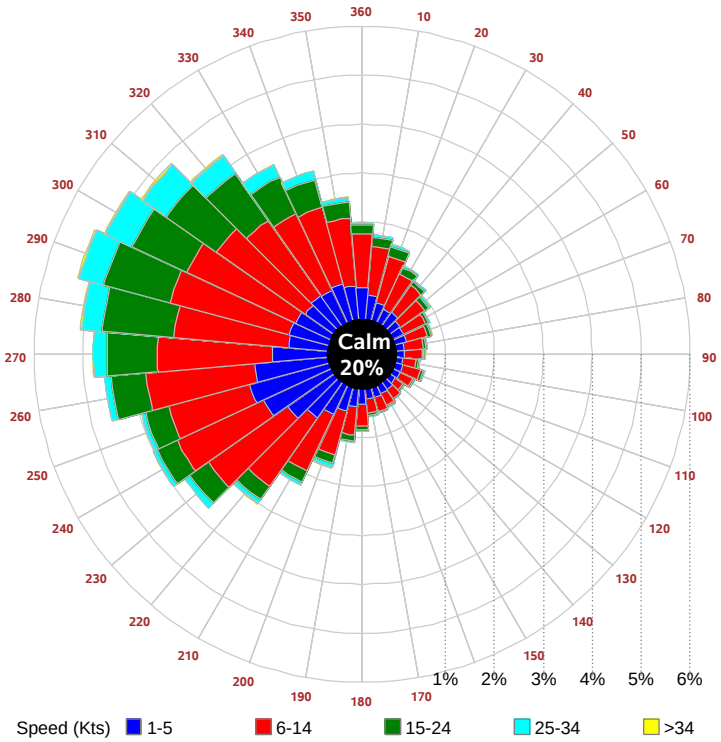
Average Annual Solar Radiation - Nearest Available Site Source: National Renewable Energy Laboratory, Golden CO, 1995

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	370	580	830	1070	1290	1410	1390	1220	960	660	390	300	870
NORTH	Unshaded	130	170	240	290	360	410	390	330	260	190	130	110	250
	Shaded	110	150	200	260	310	350	340	290	230	160	110	92	220
EAST	Unshaded	280	390	520	640	710	770	750	700	590	440	280	230	530
	Shaded	250	340	440	530	590	630	620	580	490	380	240	200	440
SOUTH	Unshaded	780	850	780	650	560	520	550	640	760	830	700	680	690
	Shaded	760	780	600	410	350	360	360	380	530	720	670	660	550
WEST	Unshaded	280	390	520	620	700	750	750	680	570	430	270	230	520
	Shaded	250	340	440	520	580	610	620	570	490	370	240	200	440

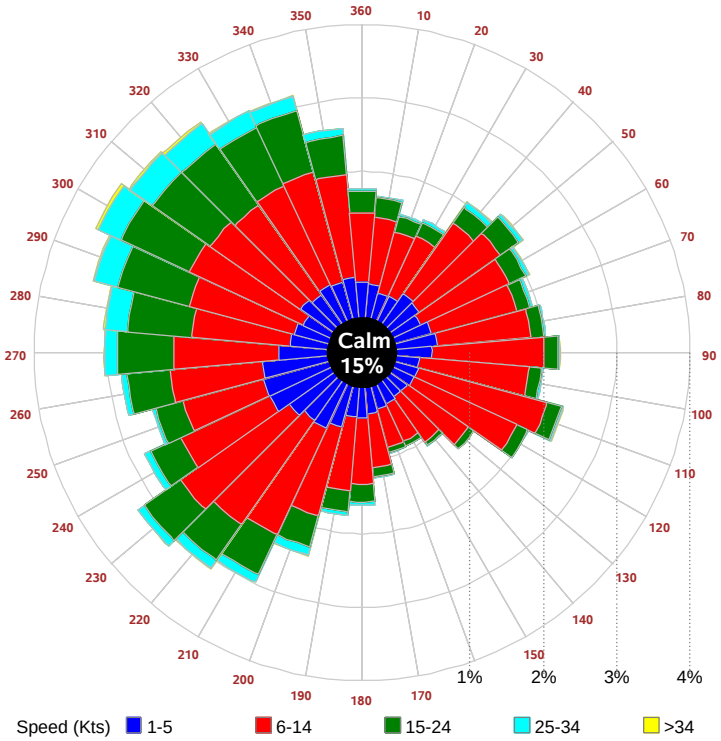
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9											
				March					June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	43	71	76	56	18	54	86	99	90	61
	M.Cloudy	24	44	48	35	11	34	56	70	64	42
NORTH	M.Clear	10	14	15	12	6	14	17	17	17	15
	M.Cloudy	10	15	16	13	5	13	18	19	19	14
EAST	M.Clear	72	49	15	12	6	79	67	23	17	15
	M.Cloudy	26	28	16	13	5	36	40	23	19	14
SOUTH	M.Clear	46	78	83	60	19	13	39	52	44	19
	M.Cloudy	19	38	42	30	8	13	28	38	33	16
WEST	M.Clear	10	14	31	68	52	13	17	17	58	77
	M.Cloudy	10	15	22	32	16	13	18	19	40	42
M.Clear	(% hrs)	37	34	32	32	35	39	39	32	30	32

				Sept					Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	32	67	81	70	38	15	37	39	19	0
	M.Cloudy	19	42	54	46	24	9	22	23	12	0
NORTH	M.Clear	9	14	16	15	11	5	9	10	6	0
	M.Cloudy	8	15	17	16	10	4	9	9	5	0
EAST	M.Clear	66	63	20	15	11	38	31	10	6	0
	M.Cloudy	24	33	19	16	10	11	15	9	5	0
SOUTH	M.Clear	27	62	78	65	32	39	78	80	47	0
	M.Cloudy	13	32	45	37	17	11	28	29	15	0
WEST	M.Clear	9	14	16	57	67	5	9	25	41	0
	M.Cloudy	8	15	17	34	29	4	9	14	13	0
M.Clear	(% hrs)	44	46	40	40	41	35	35	35	35	37

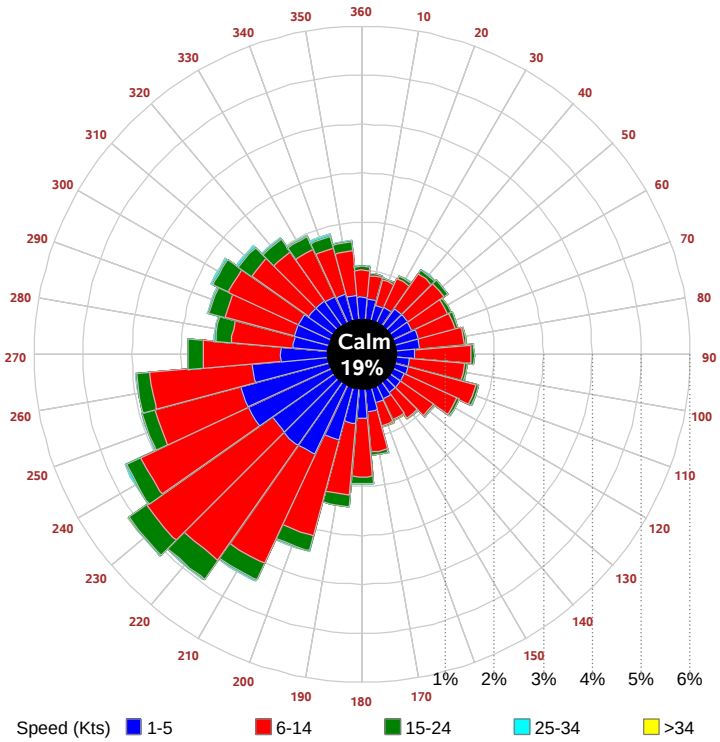
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November