CEDAR CITY RGNL, UT	
Latitude = 37.70 N	Station ID = ICAO_KCDC
Longitude =113.10 W	Elevation = 5622 Feet
Period of Record = 1988 To 2017	Average Pressure = 24.45 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	99	60	32	10.5	SW
0.4% Occurrence	93	59	36	11	SSW
1.0% Occurrence	91	58	37	11.2	SW
2.0% Occurrence	90	58	37	11.3	SW
Mean Daily Range	28	-	-	-	SE
97.5% Occurrence	14	13	11	3.7	SE
99.0% Occurrence	7	6	8	2.9	NE
99.6% Occurrence	1	0	6	2.4	ENE
Median of Extreme Lows	-6	-7	4	2.2	NNE

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	66	83	85	9	SW
0.4% Occurrence	64	82	77	8.8	SW
1.0% Occurrence	62	82	68	9.1	SW
2.0% Occurrence	61	81	64	9.1	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	101	67	0.55	18.4	SW
0.4% Occurrence	88	67	0.48	6.7	SSW
1.0% Occurrence	81	69	0.45	7.2	SSW
2.0% Occurrence	75	69	0.42	6.6	SSW

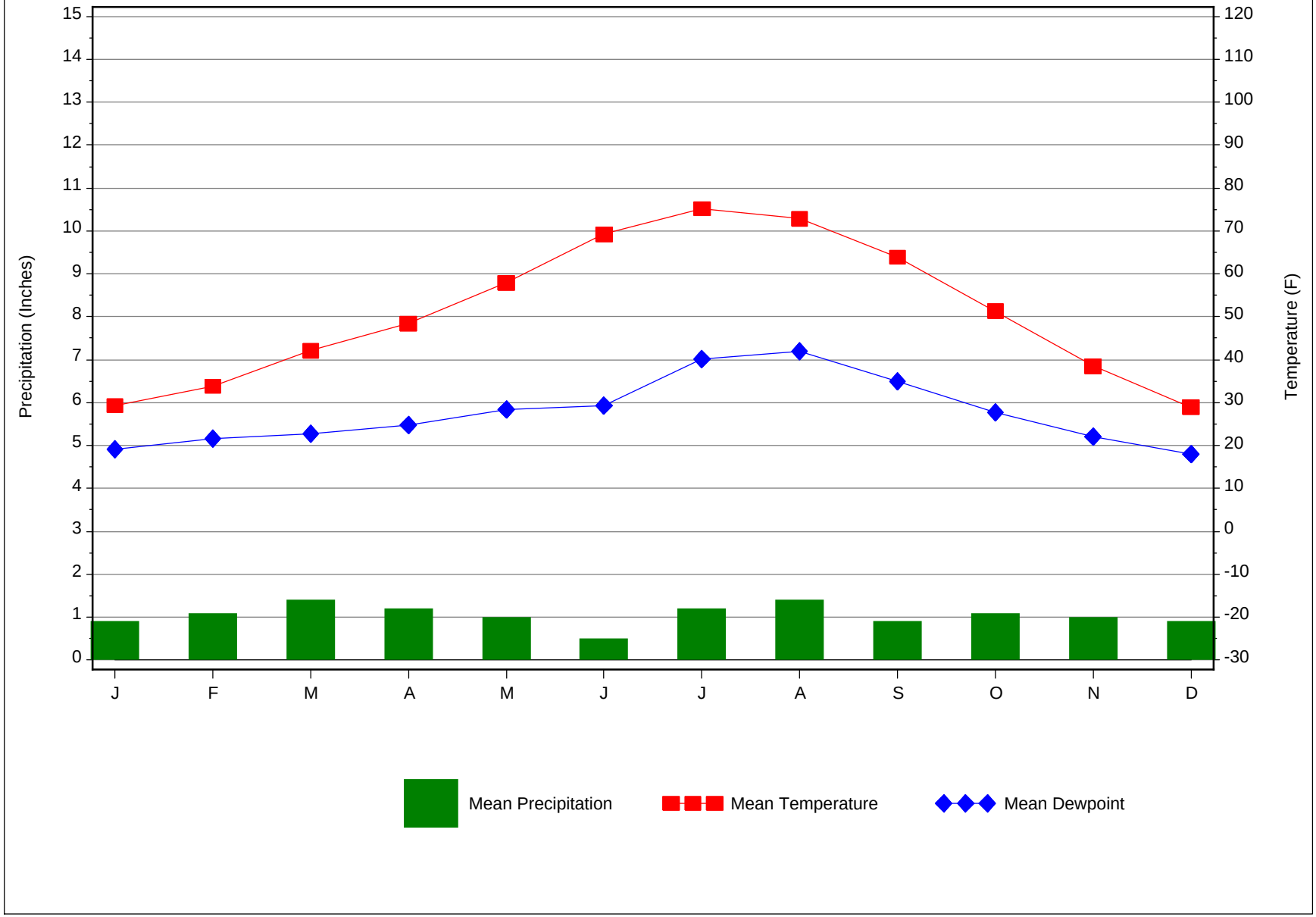
Air Conditioning/ Humid Area Criteria	**Threshold**	**T ≥ 93°F**	**T ≥ 80°F**	**Twb ≥ 73°F**	**Twb ≥ 67°F**
	# of Hours	60	826	1	3

Other Site Data

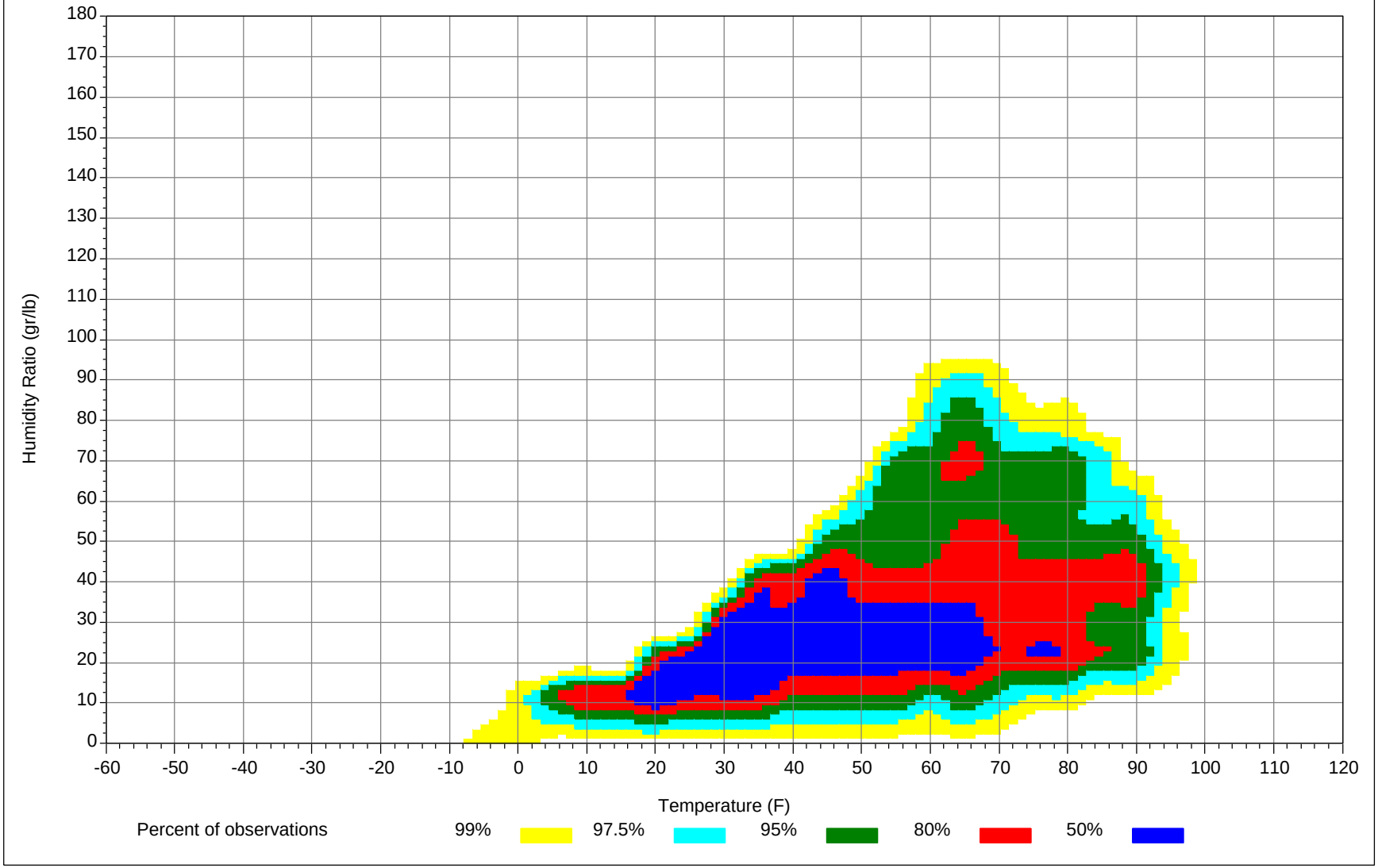
Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
6	1.5	90	0.0 + 0.9
Ground Water Temperature (°F) 50 Foot Depth*	Frost Depth 50 Year Recurrence (in)	Ground Snow Load 50 Year Recurrence (lb/ft^2)	Average Annual Freeze-Thaw Cycles (#)
53.5	N/A	N/A	128

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

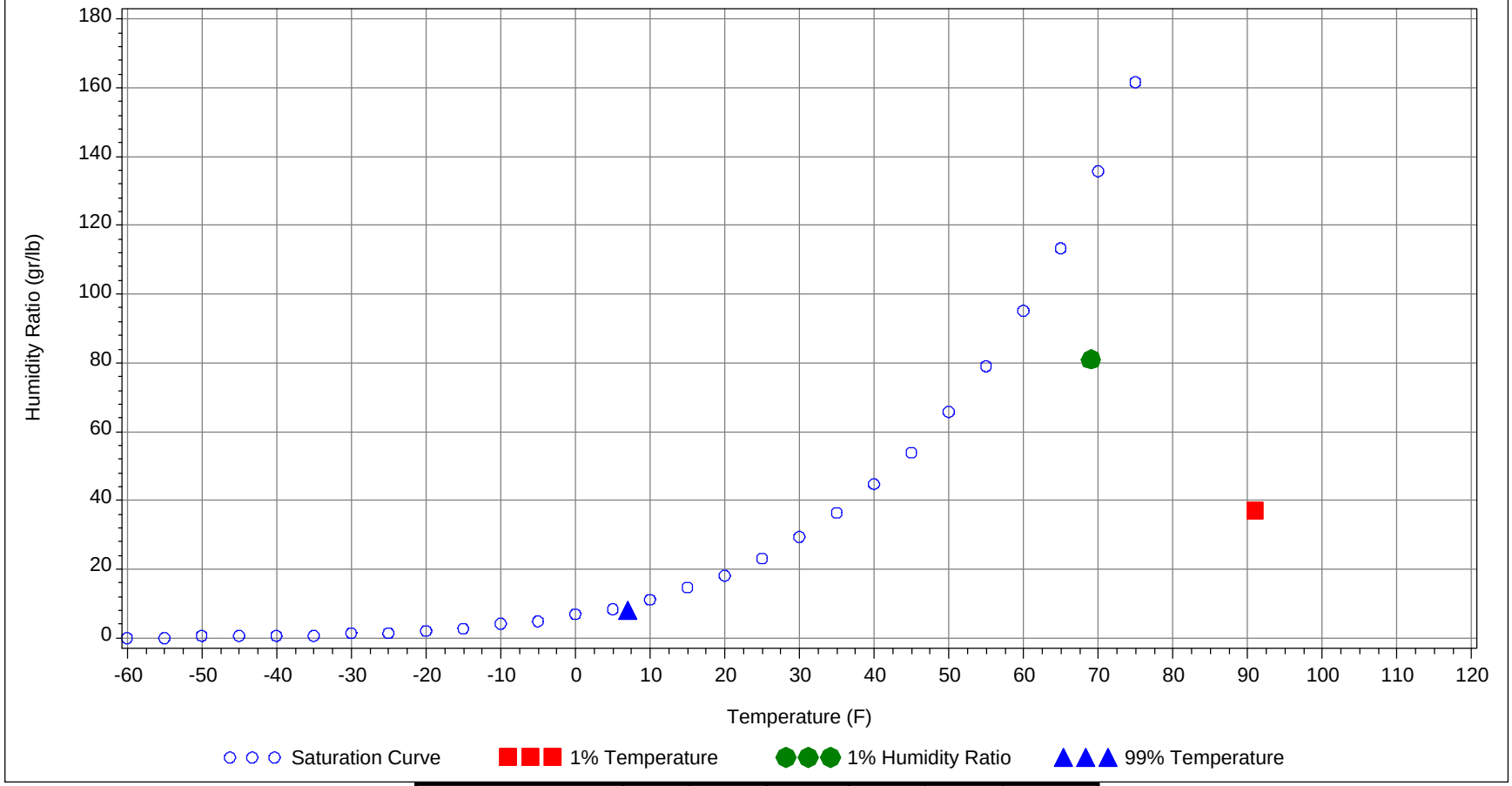
Average Annual Climate



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	91.0		58		37.0	27.8
99.0% Dry Bulb	7.0				8.0	2.8
1.0% Humidity Ratio	81.0	69.0	60	55.7		29.1

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)**
100/104															
95/ 99															
90/ 94															
85/ 89															
80/ 84												0		0	49
75/ 79												1	0	1	48.6
70/ 74												7	1	8	47.3
65/ 69		1	0	1	44.3		2	0	2	45.2		13	4	17	45.2
60/ 64		1	0	1	42.8		7	2	9	43.3	0	34	12	46	43.4
55/ 59		5	1	6	41	0	13	4	17	41.4	1	37	20	58	41.2
50/ 54	0	15	3	18	39.1	0	23	9	32	39.3	7	37	33	77	39.2
45/ 49	3	30	13	46	36.8	5	36	23	64	37	22	40	46	108	36.7
40/ 44	9	30	19	58	34.6	11	30	26	67	35	24	25	34	83	34.8
35/ 39	25	51	47	123	32	32	43	48	123	32.1	50	27	42	119	32.1
30/ 34	40	45	54	139	28.7	46	37	48	131	28.9	60	18	33	111	28.9
25/ 29	47	32	46	125	24.3	51	20	36	107	24.6	50	7	17	74	24.6
20/ 24	34	15	23	72	20.1	29	7	12	48	20.5	17	1	4	22	20.4
15/ 19	36	11	20	67	16.1	25	5	8	38	16.2	12	1	1	14	16.4
10/ 14	21	6	11	38	11	12	2	4	18	11.2	3	0	0	3	11.2
5/ 9	16	3	7	26	6.4	8	1	2	11	6.5	1			1	6.8
0/ 4	10	1	3	14	1.5	3	0	1	4	1.6	0			0	2
-5/ -1	3	0	1	4	-3.2	0	0	0	0	-3					
-10/ -6	3	0	0	3	-7.8	0	0	0	0	-7.3					
-15/-11	1	0	0	1	-12.2	0	0	0	0	-11.8					
-20/-16	0		0	0	-15.6	0	0		0	-16.8					
-25/-21						0			0	-23					

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	59.3
95/ 99												4	1	5	58.2
90/ 94							1	0	1	56.5		27	9	36	56.4
85/ 89							4	1	5	55.3	0	39	16	55	55
80/ 84		2	0	2	52		21	6	27	52.8	1	57	29	87	53.4
75/ 79		7	2	9	49.9	0	39	16	55	50.9	5	44	32	81	51.9
70/ 74		23	8	31	47.5	2	50	26	78	49.1	20	33	47	100	49.9
65/ 69	0	28	11	39	46	5	34	26	65	47.4	28	14	32	74	48.1
60/ 64	2	44	26	72	44.1	21	37	46	104	45.6	54	11	36	101	46.3
55/ 59	9	36	33	78	41.7	32	25	42	99	43.7	49	6	19	74	44.4
50/ 54	23	33	40	96	39.6	47	19	35	101	41.6	41	3	11	55	42
45/ 49	38	32	43	113	37.5	53	12	26	91	39.1	27	2	6	35	39.7
40/ 44	35	16	26	77	35.6	35	3	13	51	36.9	10	0	1	11	37.3
35/ 39	54	13	30	97	32.8	33	3	9	45	33.6	5	0	1	6	34.3
30/ 34	47	6	17	70	29.3	14	0	2	16	29.6	1		0	1	29.9
25/ 29	25	1	5	31	24.7	4		0	4	24.3	0			0	24
20/ 24	5		0	5	20	1			1	19					
15/ 19	2		0	2	16.2	0			0	17.5					
10/ 14	0			0	12										
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		1	0	1	59.8										
95/ 99		14	3	17	60.3		2	0	2	60.6					
90/ 94		55	19	74	58.9		34	9	43	59.4		3	0	3	57.2
85/ 89	0	56	23	79	57.9		53	18	71	58.5		16	3	19	56.3
80/ 84	2	66	40	108	57.5	0	74	37	111	57.9		53	15	68	55.2
75/ 79	16	34	49	99	56.6	5	45	40	90	57	0	52	23	75	53.9
70/ 74	51	16	60	127	54.9	32	27	66	125	55.2	4	49	39	92	52.3
65/ 69	54	5	32	91	53.4	50	8	41	99	53.9	13	23	37	73	50.9
60/ 64	76	2	19	97	52	89	4	30	123	52.4	40	23	54	117	49.2
55/ 59	36	0	3	39	47.8	50	1	5	56	49	54	13	35	102	47
50/ 54	10	0	0	10	43.9	17	0	1	18	44.7	51	5	20	76	43.4
45/ 49	2		0	2	39.9	3		0	3	40.2	42	2	9	53	39.5
40/ 44	0			0	38	0			0	34.7	18	0	3	21	36.3
35/ 39						0			0	30.8	12	0	2	14	33.1
30/ 34											4		0	4	29.2
25/ 29											1			1	25.5
20/ 24											0			0	23
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	54.4										
80/ 84		7	1	8	52.4										
75/ 79		20	3	23	51		0		0	50					
70/ 74		40	10	50	49		5	0	5	47					
65/ 69	0	32	13	45	47.5		9	1	10	46.1					
60/ 64	5	42	30	77	45.9	0	24	4	28	44.1		2	0	2	43.7
55/ 59	14	34	39	87	43.7	2	30	10	42	41.7		7	0	7	41.5
50/ 54	31	30	47	108	41.6	6	37	24	67	39.7	1	18	4	23	39.3
45/ 49	47	21	46	114	39	18	38	37	93	37.1	4	31	13	48	36.5
40/ 44	40	10	24	74	35.9	17	23	30	70	34.7	9	31	19	59	34.1
35/ 39	53	7	21	81	32.7	38	30	44	112	32.1	22	42	39	103	31.7
30/ 34	34	3	10	47	28.8	49	23	39	111	28.5	33	42	49	124	28.4
25/ 29	18	1	3	22	24.1	52	13	30	95	24.4	44	38	50	132	24.2
20/ 24	4	0	1	5	20.3	25	5	10	40	20.1	37	17	25	79	20
15/ 19	1	0	0	1	16.9	21	2	6	29	16.2	44	12	24	80	16
10/ 14	0			0	10.6	7	1	2	10	11	24	4	12	40	11
5/ 9	0			0	7.7	3	0	1	4	6.2	15	2	6	23	6.3
0/ 4						2	0	1	3	1.5	8	2	3	13	1.4
-5/ -1						1		0	1	-3.8	2	0	1	3	-3.3
-10/ -6						0			0	-6.9	2	0	1	3	-7.7
-15/-11											1	0	0	1	-12.1
-20/-16											1	0	0	1	-17
-25/-21											0			0	-20.8

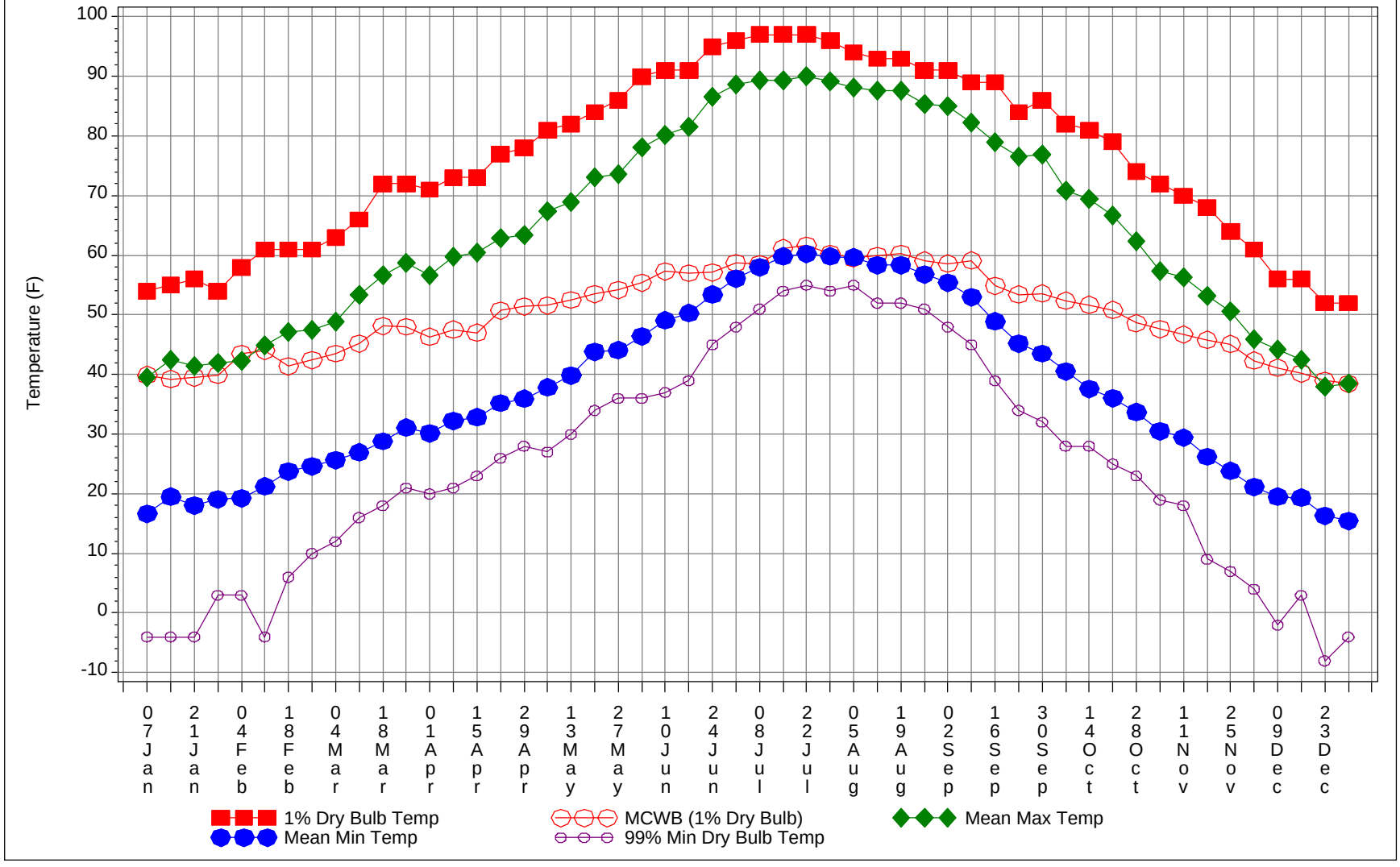
Caution: This summary reflects the typical distribtion of temperature in a typical year. It does not reflect the typical mositure distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary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

Dry-Bulb Temperature Hours For An Average Year

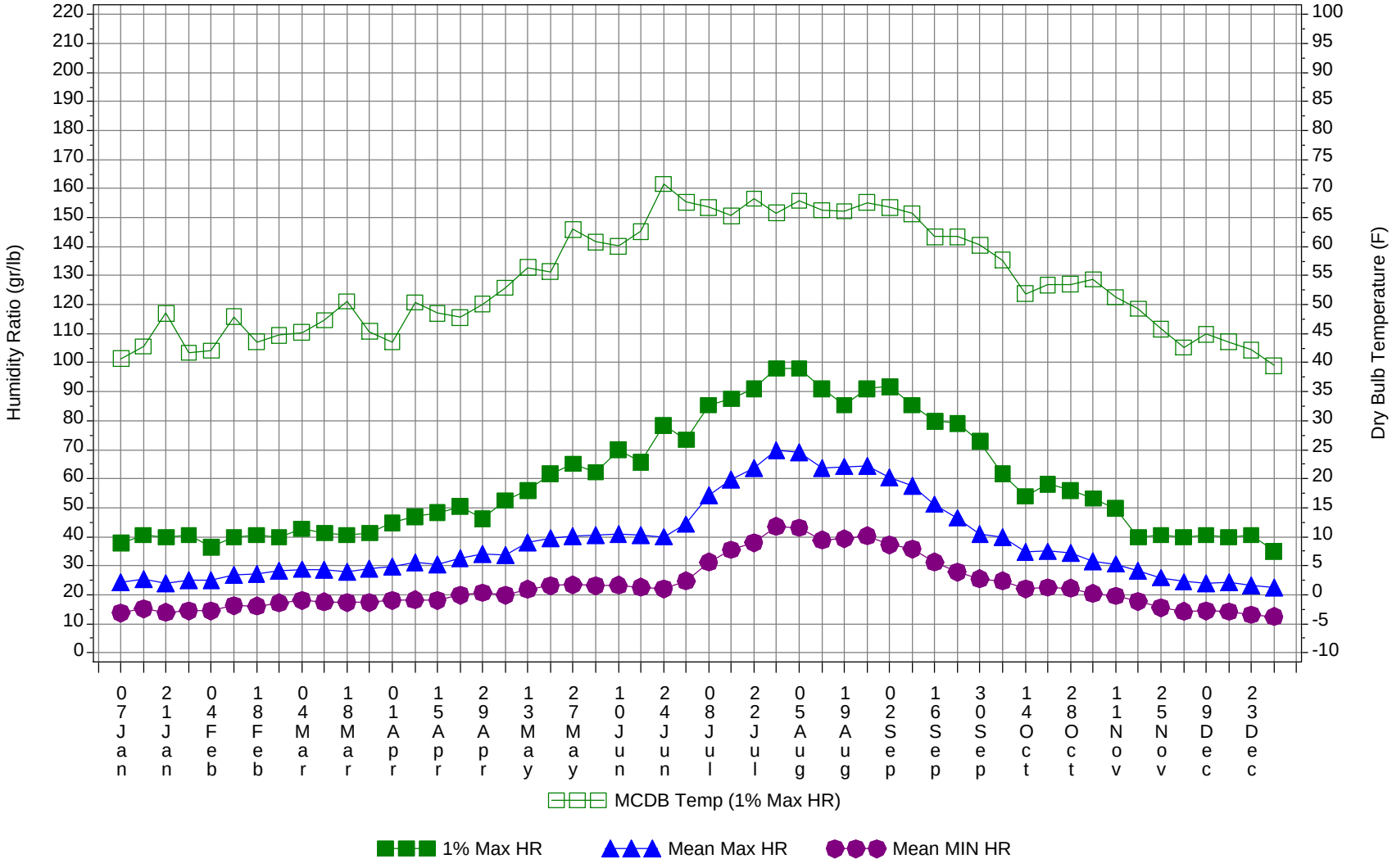
	Annual				
Temperature Range (°F)	**01 To 08 LST**	**09 To 16 LST**	**17 to 00 LST**	**Total Obs**	**MCWB (°F)**
100/104		1	0	1	59.7
95/ 99		20	4	24	59.9
90/ 94		121	37	158	58.4
85/ 89	0	168	63	231	57.2
80/ 84	3	280	129	412	55.9
75/ 79	26	242	165	433	54.1
70/ 74	109	249	257	615	52
65/ 69	152	169	195	516	50.1
60/ 64	289	230	259	778	47.8
55/ 59	247	206	211	664	44.3
50/ 54	236	222	227	685	41
45/ 49	263	242	261	766	37.9
40/ 44	208	169	197	574	35.3
35/ 39	325	216	283	824	32.3
30/ 34	329	174	253	756	28.8
25/ 29	292	112	186	590	24.4
20/ 24	152	45	75	272	20.2
15/ 19	141	31	60	232	16.1
10/ 14	67	13	30	110	11
5/ 9	43	7	16	66	6.4
0/ 4	23	3	7	33	1.5
-5/ -1	7	1	2	10	-3.2
-10/ -6	6	1	2	9	-7.7
-15/-11	2	0	1	3	-12.1
-20/-16	1	0	0	1	-16.6
-25/-21	0			0	-21.4

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



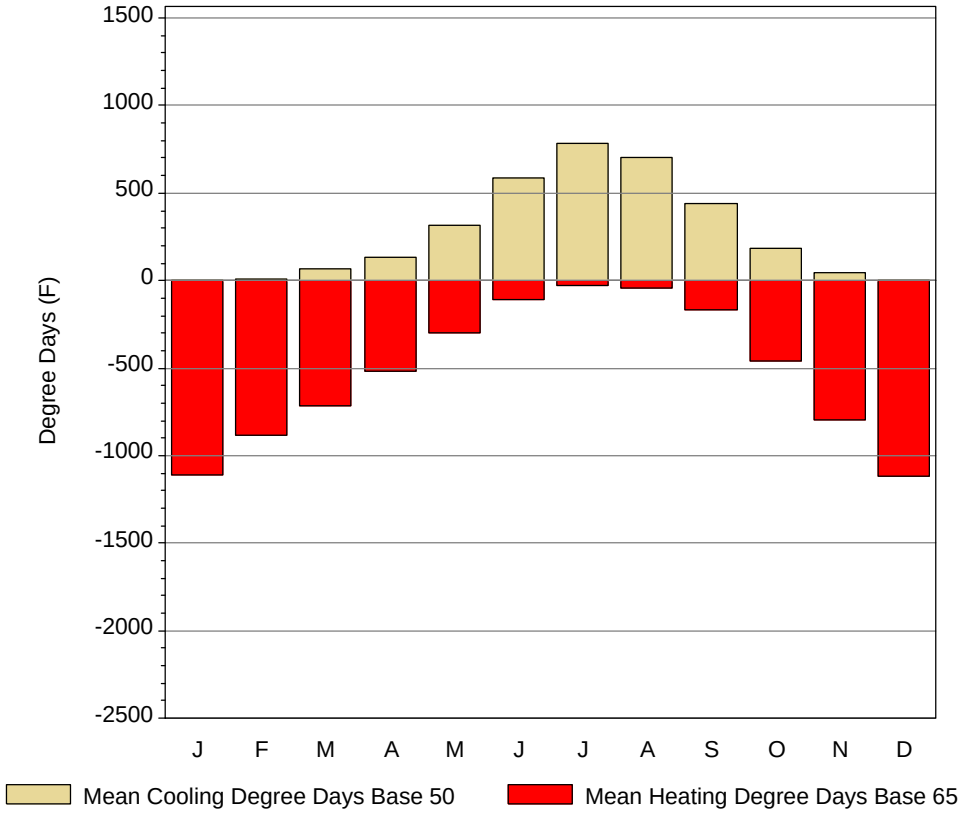
Long Term Humidity and Dry Bulb Temperature Summary



Long Term Humidity and Dry Bulb Temperature Summary

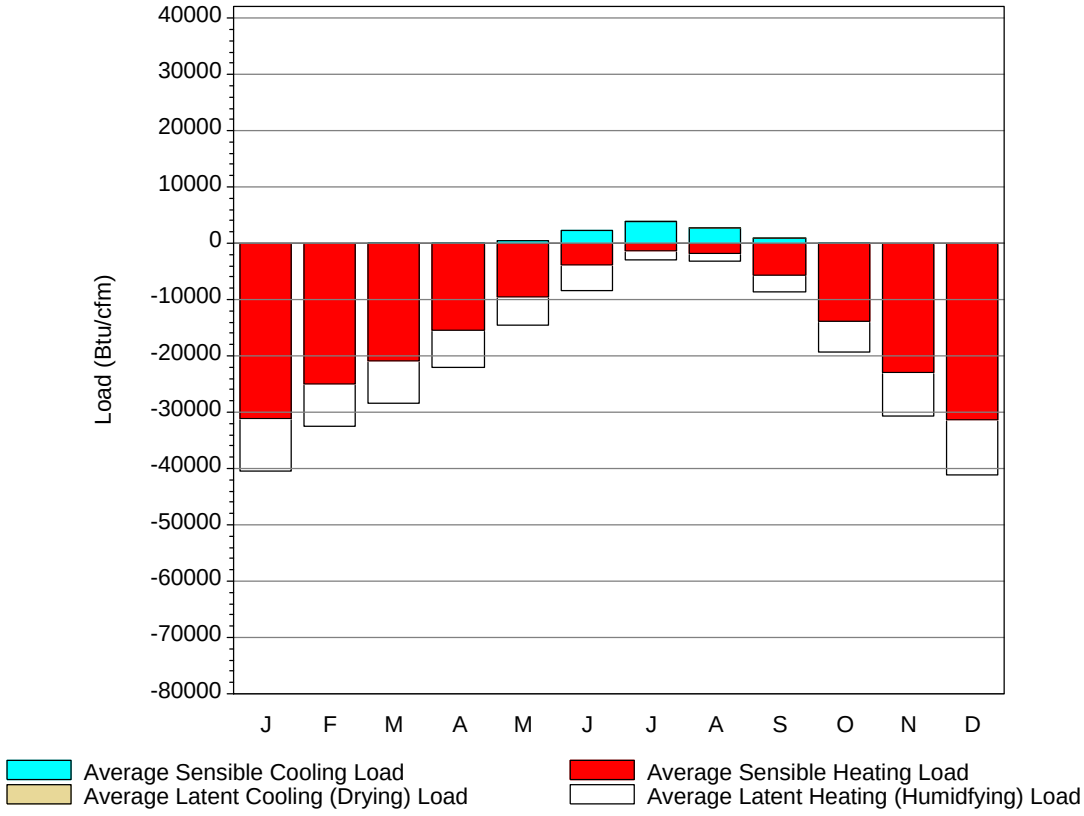
Week Ending	1.0% Temp (°F)	MCWB@ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB@ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	54	39.9	39.6	16.6	-4	37.8	40.7	24.2	13.7
14-Jan	55	39.2	42.5	19.5	-4	40.6	42.8	25.3	15.2
21-Jan	56	39.5	41.5	18	-4	39.9	48.5	23.9	13.9
28-Jan	54	39.9	42	19.1	3	40.6	41.7	25.1	14.4
4-Feb	58	43.5	42.3	19.2	3	36.4	42.1	25.1	14.5
11-Feb	61	44	44.8	21.2	-4	39.9	47.9	26.8	16.3
18-Feb	61	41.4	47.1	23.7	6	40.6	43.6	27.2	16.1
25-Feb	61	42.4	47.4	24.6	10	39.9	44.7	28.4	17.1
4-Mar	63	43.5	48.8	25.6	12	42.7	45.2	28.8	18
11-Mar	66	45.2	53.3	26.9	16	41.3	47.3	28.6	17.5
18-Mar	72	48.1	56.7	28.8	18	40.6	50.6	27.8	17.4
25-Mar	72	48	58.7	31.1	21	41.3	45.4	29	17.3
1-Apr	71	46.3	56.6	30.1	20	44.8	43.6	29.8	18
8-Apr	73	47.5	59.8	32.2	21	46.9	50.4	31.1	18.3
15-Apr	73	47	60.5	32.8	23	48.3	48.5	30.4	18.1
22-Apr	77	50.7	62.8	35.2	26	50.4	47.8	32.7	19.8
29-Apr	78	51.4	63.4	35.9	28	46.2	50.1	34	20.7
6-May	81	51.6	67.3	37.8	27	52.5	52.9	33.8	19.9
13-May	82	52.5	69	39.8	30	56	56.4	38.1	21.9
20-May	84	53.5	73	43.8	34	61.6	55.7	39.5	23.2
27-May	86	54.2	73.6	44.1	36	65.1	63	40.2	23.4
4-Jun	90	55.4	78.1	46.4	36	62.3	60.8	40.7	23.1
10-Jun	91	57.3	80.1	49.1	37	70	60.1	40.8	23.3
17-Jun	91	57	81.5	50.3	39	65.8	62.6	40.6	22.6
24-Jun	95	57.1	86.6	53.4	45	78.4	70.8	40	22
1-Jul	96	58.7	88.6	56.1	48	73.5	67.7	44.4	24.8
8-Jul	97	58.5	89.3	58	51	85.4	66.8	54.3	31.3
15-Jul	97	61.2	89.4	59.8	54	87.5	65.3	59.7	35.5
22-Jul	97	61.6	90	60.2	55	91	68.3	63.6	38
29-Jul	96	60.2	89.2	59.8	54	98	65.8	69.8	43.6
5-Aug	94	59.5	88.1	59.6	55	98	67.9	69	43.1
12-Aug	93	59.9	87.6	58.3	52	91	66.3	63.7	38.9
19-Aug	93	60.2	87.6	58.3	52	85.4	66.1	64.2	39.3
26-Aug	91	59.1	85.3	56.8	51	91	67.6	64.4	40.3
2-Sep	91	58.6	85.1	55.4	48	91.7	66.8	60.4	37.3
9-Sep	89	59.1	82.2	53	45	85.4	65.7	57.6	35.7
16-Sep	89	54.9	78.9	48.9	39	79.8	61.7	51.2	31.3
23-Sep	84	53.4	76.5	45.2	34	79.1	61.7	46.5	27.9
30-Sep	86	53.6	76.9	43.5	32	72.8	60.3	40.8	25.5
7-Oct	82	52.4	70.9	40.5	28	61.6	57.7	39.9	24.8
14-Oct	81	51.7	69.4	37.6	28	53.9	51.9	34.7	22
21-Oct	79	50.8	66.6	36	25	58.1	53.4	35	22.5
28-Oct	74	48.6	62.4	33.7	23	56	53.5	34.3	22.2
4-Nov	72	47.6	57.4	30.5	19	53.2	54.4	31.4	20.4
11-Nov	70	46.7	56.3	29.4	18	49.7	51.3	30.6	19.6
18-Nov	68	45.8	53.1	26.2	9	39.9	49.3	28.2	17.7
25-Nov	64	45.1	50.6	23.8	7	40.6	45.8	25.9	15.5
2-Dec	61	42.3	45.9	21.1	4	39.9	42.6	24.5	14.3
9-Dec	56	41.1	44.2	19.5	-2	40.6	44.9	24	14.5
16-Dec	56	40.2	42.5	19.3	3	39.9	43.6	24.4	14.2
23-Dec	52	39	38	16.3	-8	40.6	42.2	23.2	13.1
31-Dec	52	38.4	38.4	15.4	-4	35	39.5	22.5	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	4.1	0	1107.1
FEB	12.4	0.1	881.2
MAR	66.8	3.8	712.5
APR	133.2	16.7	516.3
MAY	314.8	79.5	298.8
JUN	585.5	233	109.1
JUL	782.2	346.2	29.2
AUG	705.7	283.3	43.2
SEP	442.5	138.2	170.1
OCT	187.1	34.2	458
NOV	42.2	1.8	796.3
DEC	4.5	0	1118.7
ANN	3281	1136.8	6240.5

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	-31107	0	-9316
FEB	0	-25037	0	-7489
MAR	2	-20819	0	-7640
APR	27	-15512	0	-6438
MAY	402	-9492	0	-5001
JUN	2309	-3839	0	-4630
JUL	3794	-1355	13	-1691
AUG	2790	-1899	8	-1167
SEP	975	-5768	2	-2745
OCT	101	-13933	0	-5378
NOV	0	-22940	0	-7700
DEC	0	-31407	0	-9740
ANN	10400	-183108	23	-68935

Station Information		Shading Geometry in Dimensionless Units	
City, State, WBAN	CEDARCITY, UT 93129	Window:	1.000
Lat, Lon, Elev	37.70N 113.10W 5617ft	Overhang:	0.468
Press, Stn_Type	12.0psia Secondary	Vert Gap:	0.308

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

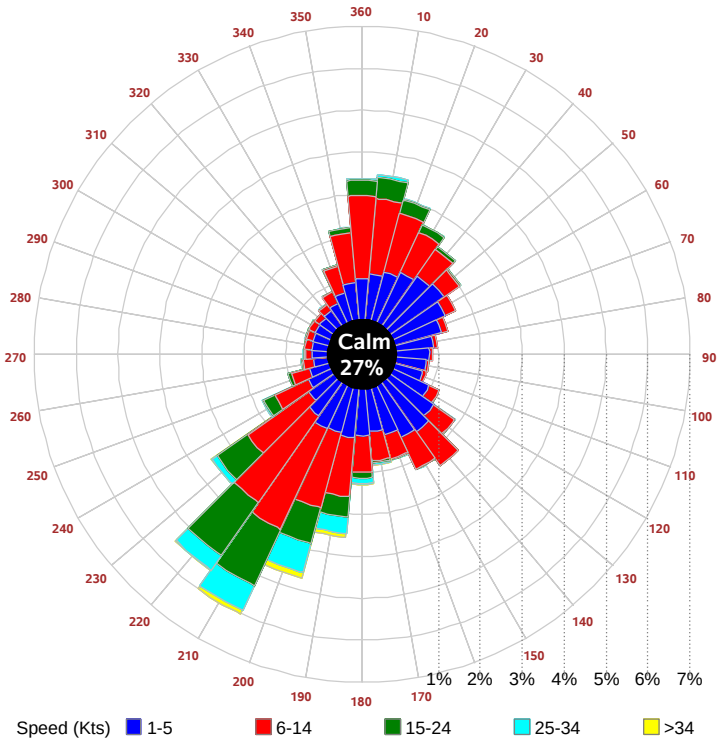
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ.	Global	840	1100	1460	1880	2200	2460	2300	2070	1800	1360	920	750	1600
	Std.Dev.	62	100	111	122	135	128	131	161	124	96	64	69	51
	Minimum	740	910	1220	1640	1980	2220	2010	1740	1480	1020	820	590	1480
	Maximum	980	1260	1680	2150	2400	2710	2550	2350	1980	1490	1100	890	1730
	Diffuse	300	400	540	620	660	610	650	580	440	350	310	260	480
Clear Day	Global	1070	1420	1920	2390	2700	2820	2730	2450	2050	1540	1130	960	1930
NORTH	Global	220	280	360	460	590	700	640	490	370	290	230	190	400
	Diffuse	220	280	360	430	490	510	500	440	370	290	230	190	360
Clear Day	Global	180	240	310	420	610	740	670	470	340	260	200	170	390
EAST	Global	600	750	950	1170	1330	1440	1380	1290	1160	920	650	550	1020
	Diffuse	270	350	450	530	590	600	590	540	460	360	280	230	440
Clear Day	Global	820	1010	1260	1460	1560	1590	1560	1460	1300	1070	840	740	1220
SOUTH	Global	1430	1410	1290	1110	900	810	840	1030	1380	1580	1440	1400	1220
	Diffuse	380	440	510	540	540	520	530	520	490	430	380	340	470
Clear Day	Global	2160	2130	1870	1390	1020	860	910	1200	1650	2000	2120	2120	1620
WEST	Global	590	730	890	1090	1200	1330	1240	1150	1090	890	630	540	950
	Diffuse	270	350	460	540	600	610	600	550	470	370	280	240	440
Clear Day	Global	820	1010	1260	1460	1560	1590	1560	1460	1300	1070	840	740	1220

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	540	750	1030	1360	1600	1810	1690	1510	1290	940	610	470	1140
NORTH	Unshaded	150	190	250	300	380	440	400	320	260	200	160	130	270
	Shaded	140	180	230	280	350	400	370	300	240	190	150	120	240
EAST	Unshaded	410	530	680	840	960	1040	990	930	840	650	450	380	730
	Shaded	380	480	610	750	840	910	870	820	750	600	420	350	650
SOUTH	Unshaded	1080	1030	880	700	530	460	480	630	910	1130	1080	1060	830
	Shaded	1060	960	710	460	350	340	340	390	660	1010	1050	1050	700
WEST	Unshaded	410	510	640	780	860	950	890	820	780	630	440	370	680
	Shaded	380	470	570	700	760	840	780	730	700	570	410	340	600

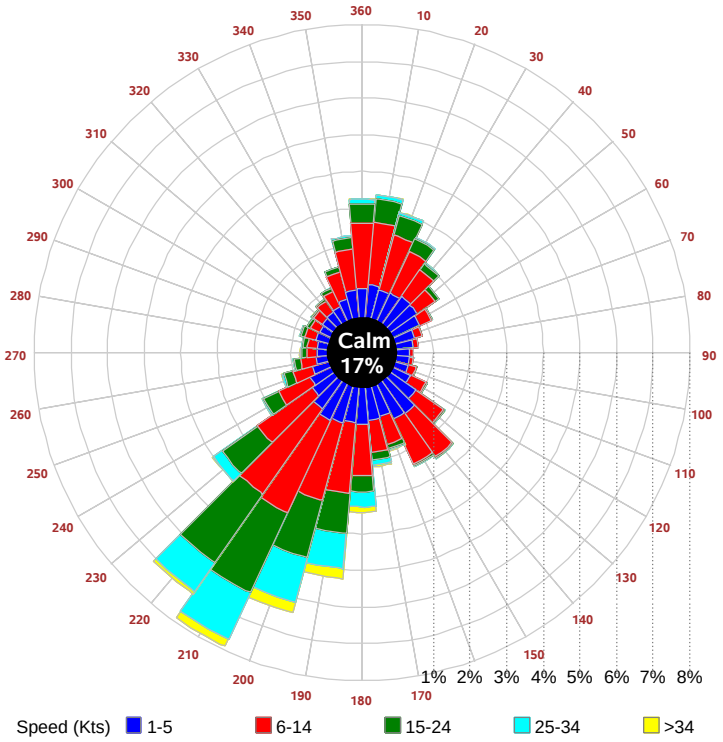
AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS Percentage Uncertainty = 9											
				March					June		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	33	71	87	76	41	40	80	103	104	81
	M.Cloudy	21	48	61	52	27	29	62	82	77	59
NORTH	M.Clear	8	13	15	14	9	23	14	16	16	14
	M.Cloudy	8	15	17	16	10	17	16	18	17	16
EAST	M.Clear	80	69	20	14	9	82	81	43	16	14
	M.Cloudy	34	40	20	16	10	46	60	37	17	16
SOUTH	M.Clear	32	68	83	73	40	9	23	41	42	24
	M.Cloudy	17	40	54	44	21	10	22	36	35	22
WEST	M.Clear	8	13	15	61	81	9	14	16	41	79
	M.Cloudy	8	15	17	38	37	10	16	18	34	54
M.Clear	(% hrs)	44	39	34	31	32	73	71	67	59	55

				Sept					Dec		
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	21	63	87	87	61	10	42	54	41	9
	M.Cloudy	14	46	67	64	44	7	27	37	27	7
NORTH	M.Clear	6	12	15	15	12	4	9	11	9	4
	M.Cloudy	6	14	17	17	13	3	10	12	10	3
EAST	M.Clear	66	80	41	15	12	43	52	11	9	4
	M.Cloudy	29	50	34	17	13	14	26	12	10	3
SOUTH	M.Clear	14	50	73	72	48	34	84	99	82	31
	M.Cloudy	9	34	54	52	32	11	38	50	39	10
WEST	M.Clear	6	12	15	43	79	4	9	12	52	42
	M.Cloudy	6	14	17	34	49	3	10	13	27	13
M.Clear	(% hrs)	71	70	65	59	58	47	46	41	41	43

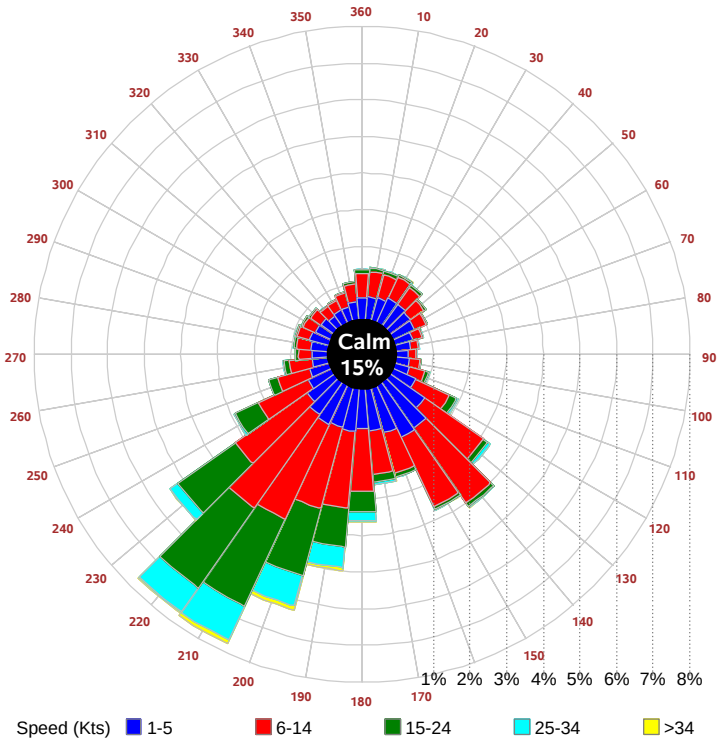
Wind Summary - December, January, and February



Wind Summary - March, April, and May



Wind Summary - June, July, and August



Wind Summary - September, October, and November