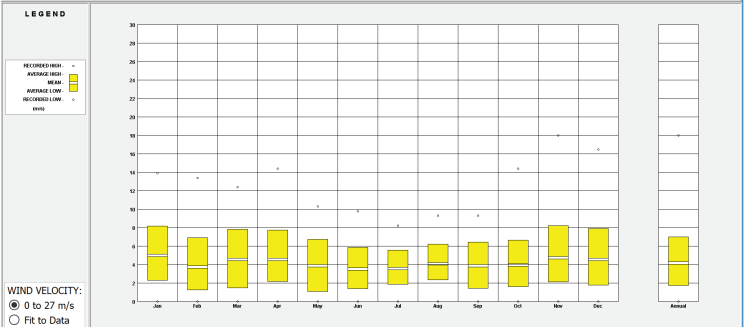
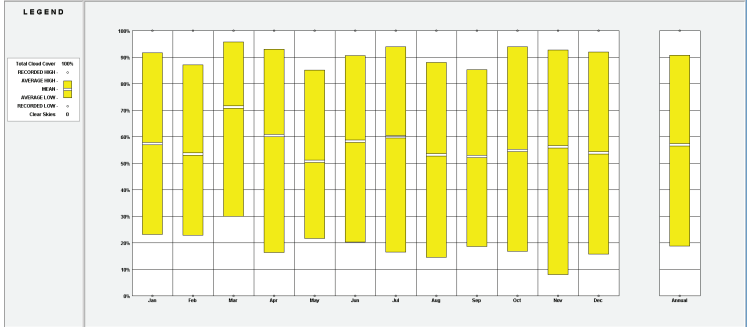
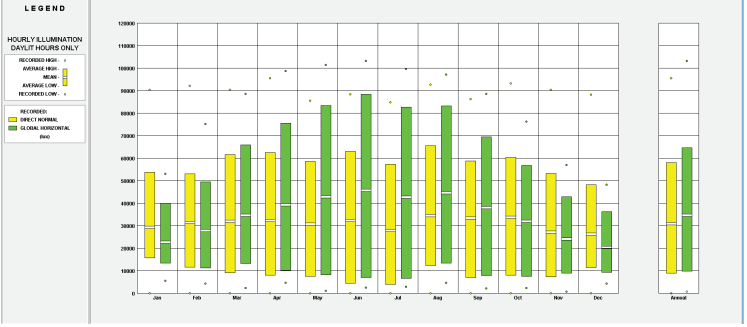
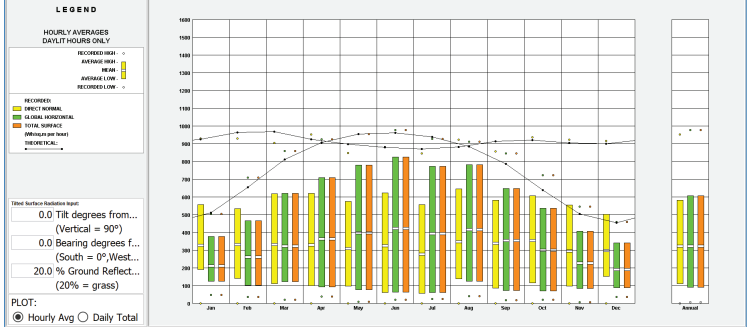
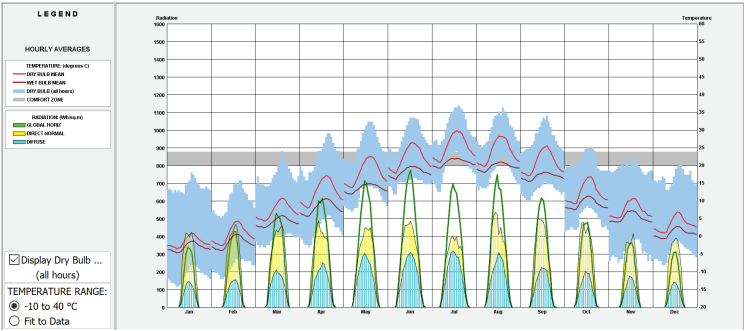
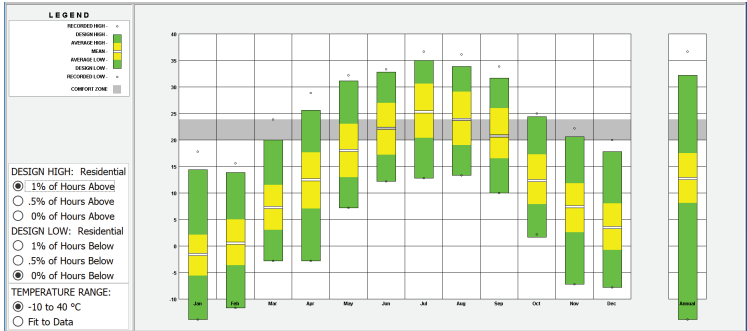
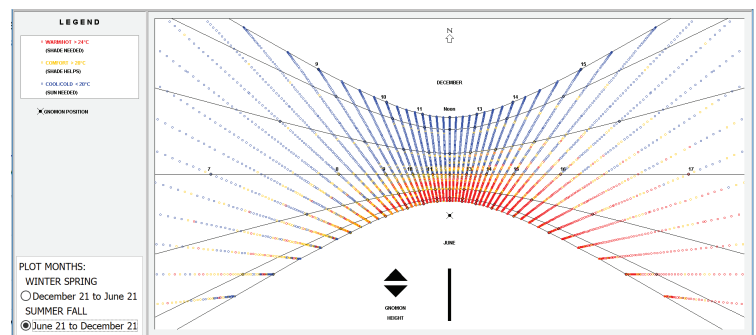
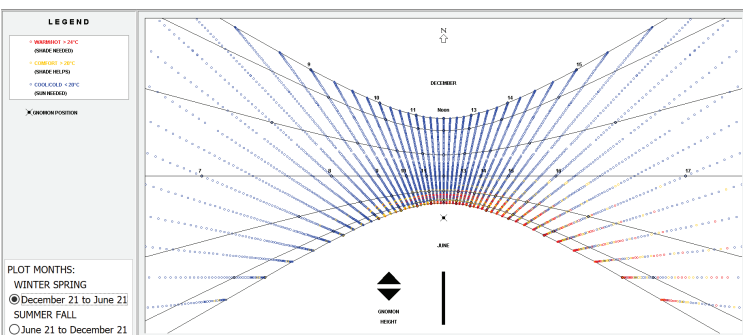
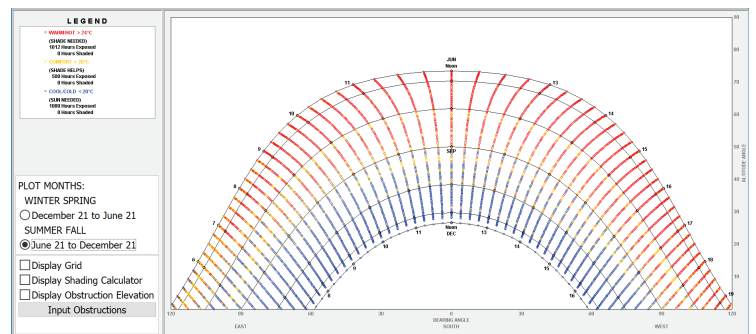
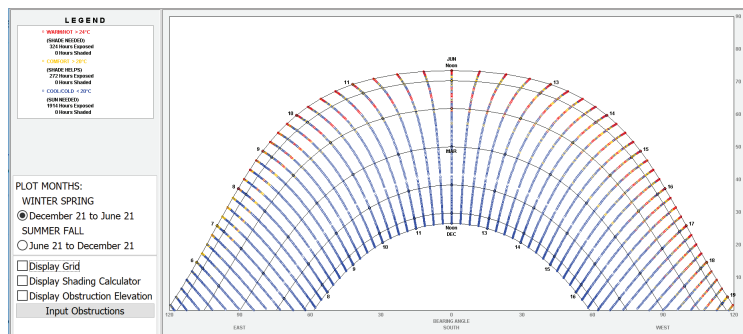
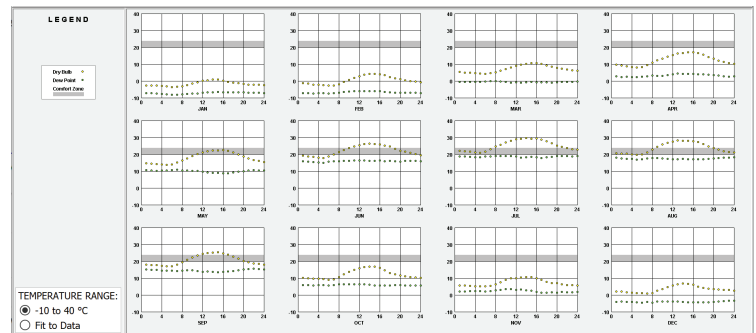
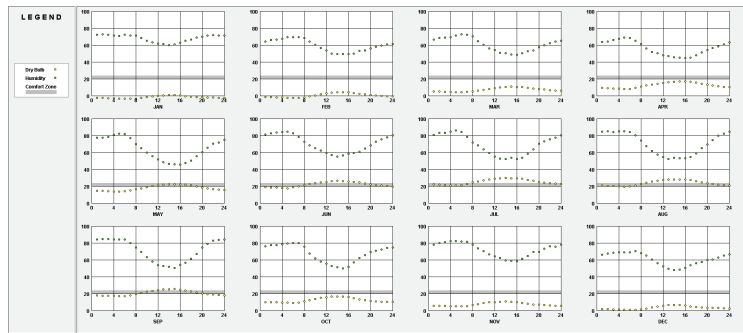
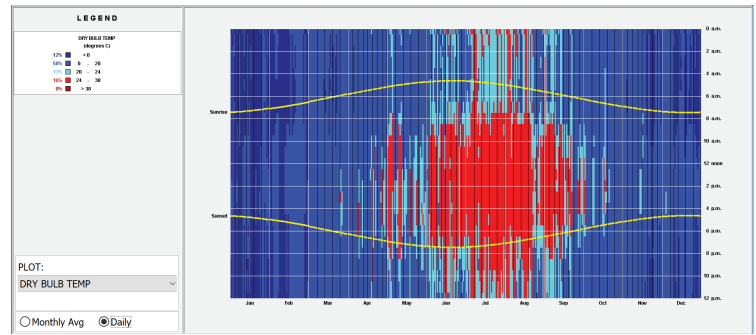
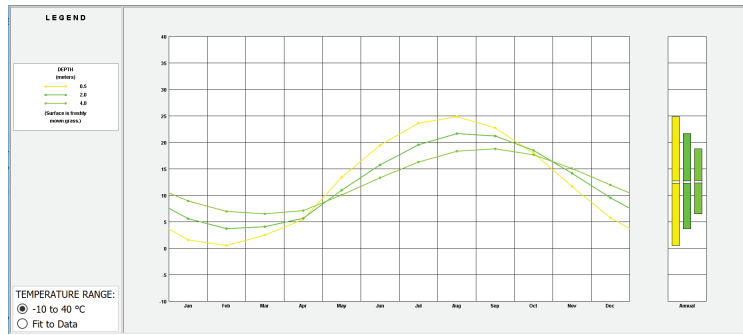


MONTHLY MEANS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Global Horiz Radiation (Avg Hourly)	212	260	323	364	398	422	394	416	354	299	227	191	Wh/sq.m
Direct Normal Radiation (Avg Hourly)	326	332	332	330	310	324	277	346	338	354	295	296	Wh/sq.m
Diffuse Radiation (Avg Hourly)	94	104	137	152	182	187	196	180	145	126	109	90	Wh/sq.m
Global Horiz Radiation (Max Hourly)	505	710	859	924	954	978	928	911	845	722	545	458	Wh/sq.m
Direct Normal Radiation (Max Hourly)	930	930	905	953	847	882	845	923	857	936	923	916	Wh/sq.m
Diffuse Radiation (Max Hourly)	274	361	404	462	454	495	477	453	481	336	286	240	Wh/sq.m
Global Horiz Radiation (Avg Daily Total)	2016	2730	3819	4779	5655	5252	5714	5626	4365	3269	2224	1766	Wh/sq.m
Direct Normal Radiation (Avg Daily Total)	3085	3491	3922	3324	3385	3791	3026	3681	3169	3847	3889	3732	Wh/sq.m
Diffuse Radiation (Avg Daily Total)	902	1082	1622	1994	2603	2775	2851	2447	1788	1382	1073	834	Wh/sq.m
Global Horiz Illumination (Avg Hourly)	2669	3899	4669	5330	5874	6554	6501	5963	5121	4956	4083	3394	lux
Direct Normal Illumination (Avg Hourly)	3342	4402	4978	4382	4664	5309	4804	5524	5358	6951	7124	6246	lux
Dry Bulb Temperature (Avg Monthly)	-1	0	7	12	18	22	25	23	20	12	7	3	degrees C
Dew Point Temperature (Avg Monthly)	-7	-6	0	3	10	15	18	17	14	5	2	-4	degrees C
Relative Humidity (Avg Monthly)	68	59	60	56	64	70	69	70	71	67	72	60	percent
Wind Direction (Monthly Mode)	310	300	300	310	70	240	240	230	0	240	280	300	degrees
Wind Speed (Avg Monthly)	5	3	4	4	3	3	3	4	3	3	4	4	m/s
Ground Temperature (Avg Monthly of 3 Depths)	4	3	4	5	11	15	19	21	20	17	13	8	degrees C





Three Passive Design Strategies

-Passive Cooling with Solar Shading in the Summer months

-Passive Cooling with Natural Ventilation (Wind Speed always howel at comfortable range for outside, relatively high humidity level requires more natural ventilation. Not so cold winter allows for more opportunities)

-Passive Heating and Nautral Light with Solar Lights