

APPENDIX D

Student Resource Center: Dimming Analysis and Results

Student Resource Center - Electric Lighting Control Systems with Daylight

Target Illuminance Level (fc)

Input

Ballast Information: (E4) Lutron Eco-10:
 ECO-1564-277-2
 2-tamp P5415HO ballast

Figure Information: (E8) Zimblet "Light Fields HE"
 LFHL14-2545-MFD4277
 (1 x 4 FT) Recessed Fixture
 2 - (L8) GE Lighting 90232 F54T5(830)
 Total LLF = 0.80

Time
 8am-5pm
 8am-6pm
 12pm

Sky Condition
 Clear + Overcast
 Partly Cloudy

W
 max. output 1.00 125.0
 min. output 0.10 24.0

Critical Points Analysis

Study Ref.	Date + Sky Condition	Time	daylight contribution (fc)	daylight + non dim zone contribution (fc)	addl. dimmed zone elec. contribution (watts)	BF	W /ballast	Dimmed Ballast	Dimmed Zone (KW)	Analysis Duration (hrs)	Total Kwh	Total Watts (W)	(KW)	Total Kwh
S1	8am	8am	51.9	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S2	10am	10am	88.4	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S3	12pm	12pm	86.2	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S4	2pm	2pm	65.7	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S5	4pm	4pm	38.5	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S6	6pm	6pm	46.3	no "non-dim" zone	22.4	0.17	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S7	8am	8am	154.0	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S8	10am	10am	141.0	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S9	12pm	12pm	84.0	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S10	2pm	2pm	27.9	no "non-dim" zone	2.1	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S11	4pm	4pm	40.7	no "non-dim" zone	30	1.00	29.32	4	500.00	0.50	0.97	382.74	0.38	0.77
S12	6pm	6pm	109.0	no "non-dim" zone	27.9	0.95	29.32	4	483.57	0.48	0.97	382.74	0.38	0.77
S13	8am	8am	168.0	no "non-dim" zone	0.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S14	10am	10am	120.0	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S15	12pm	12pm	87.3	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S16	2pm	2pm	44.1	no "non-dim" zone	0	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S17	4pm	4pm	21.6	no "non-dim" zone	10.6	0.37	57.54	4	230.18	0.23	0.46	289.82	0.27	0.54
S18	6pm	6pm	28.5	no "non-dim" zone	30	1.00	125.00	4	500.00	0.50	1.00	0.00	0.00	0.00
S19	8am	8am	28.5	no "non-dim" zone	1.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S20	10am	10am	28.5	no "non-dim" zone	1.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S21	12pm	12pm	28.5	no "non-dim" zone	1.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S22	2pm	2pm	28.5	no "non-dim" zone	1.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S23	4pm	4pm	28.5	no "non-dim" zone	1.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
S24	6pm	6pm	28.5	no "non-dim" zone	1.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77
n/a	3.21 - Overcast	12pm	28.5	no "non-dim" zone	1.5	0.10	29.32	4	117.26	0.12	0.23	382.74	0.38	0.77

Study Ref.	Date + Sky Condition	Kwh	Demand Charge per Kwh (\$)	System Consumption Cost (\$)	System Cost Savings (\$)	Cost at Full Output (\$)	% Savings
S1	8am	0.23	0.043	0.043	0.14	0.18	76.55
S2	10am	0.23	0.043	0.043	0.14	0.18	76.55
S3	12pm	0.23	0.043	0.043	0.14	0.18	76.55
S4	2pm	0.23	0.043	0.043	0.14	0.18	76.55
S5	4pm	0.23	0.043	0.043	0.14	0.18	76.55
S6	6pm	0.81	0.148	0.148	0.04	0.18	19.36
S7	8am	0.23	0.043	0.043	0.14	0.18	76.55
S8	10am	0.23	0.043	0.043	0.14	0.18	76.55
S9	12pm	0.23	0.043	0.043	0.14	0.18	76.55
S10	2pm	0.23	0.043	0.043	0.14	0.18	76.55
S11	4pm	0.23	0.043	0.043	0.14	0.18	76.55
S12	6pm	1.00	0.183	0.183	0.01	0.18	0.00
S13	8am	0.23	0.043	0.043	0.14	0.18	76.55
S14	10am	0.23	0.043	0.043	0.14	0.18	76.55
S15	12pm	0.23	0.043	0.043	0.14	0.18	76.55
S16	2pm	0.23	0.043	0.043	0.14	0.18	76.55
S17	4pm	0.23	0.043	0.043	0.14	0.18	76.55
S18	6pm	0.97	0.177	0.177	0.01	0.18	3.23
S19	8am	0.23	0.043	0.043	0.14	0.18	76.55
S20	10am	0.23	0.043	0.043	0.14	0.18	76.55
S21	12pm	0.23	0.043	0.043	0.14	0.18	76.55
S22	2pm	0.23	0.043	0.043	0.14	0.18	76.55
S23	4pm	0.23	0.043	0.043	0.14	0.18	76.55
S24	6pm	1.00	0.183	0.183	0.00	0.18	0.00
n/a	3.21 - Overcast	0.23	0.043	0.043	0.140	0.18	76.55

SAVINGS

-90.8	0	0.8	0.9	1.1	1.3	1.5	1.8	2.1	2.3	2.5	2.6	2.7	2.9	3	3.2	3.3	3.5	3.7	3.8	4	4.2	4.4	4.5	4.6	4.7	4.7	4.7	4.6	4.7	4.6	4.4
-91.8	0	0.8	0.9	1.1	1.4	1.7	2	2.3	2.6	2.8	2.9	3	3.1	3.3	3.4	3.6	3.8	4.1	4.3	4.5	4.8	5	5.1	5.3	5.3	5.4	5.4	5.4	5.2	5	
-92.8	0	0.7	0.9	1.1	1.5	1.8	2.2	2.6	3	3.1	3.2	3.3	3.4	3.6	3.7	4	4.2	4.5	4.8	5.1	5.4	5.7	5.9	6.1	6.2	6.2	6.2	6.2	5.9	5.5	
-93.8	0	0.8	0.9	1.1	1.6	2.1	2.6	3.1	3.5	3.6	3.6	3.7	3.7	3.9	4.1	4.3	4.7	5.1	5.4	5.8	6.2	6.5	6.8	7	7.2	7.2	7.2	6.8	6.4		
-94.8	69.2	0	0.8	1	1.7	2.4	3.2	3.9	4.2	4.2	4.1	4.1	4.1	4.2	4.4	4.7	5.1	5.6	6.1	6.6	7.1	7.5	7.9	8.1	8.3	8.3	8.3	7.8	7.1		
-95.8	71.6	0	0	0.7	1.6	2.8	3.8	4.8	5.2	5.2	5.1	4.9	4.8	4.8	4.8	5.4	6.0	6.7	7.3	7.9	8.7	9.5	10.2	10.7	11	11	10.6	10.4	9.5	9.3	
-97.8	73.9	69	0	0.8	0.8	6.1	8.4	9	8.7	7.2	5.7	4.7	4.3	4.4	4.8	5.6	6.6	7.8	9	10.2	11.2	12	12.6	12.9	12.7	11.2	9.5	10.3	12.9		
-98.8	75.8	72.5	67.5	0	0	10.6	12.7	12.8	11.4	7.6	5.1	4	3.6	3.7	4.4	5.6	7.1	8.7	10.4	11.9	13.1	14	14.7	15	14.6	13.2	33.9	39.4	39.8		
-98.8	77.5	74.9	71.6	67.2	49.2	43	16.1	18	13.6	4	2.6	2.2	2.2	2.6	3.5	5.2	7.4	9.8	12.2	13.9	15	15.7	15.6	14.2	39.6	41.6	43.2	45.1	47.8		
-100.8	79.1	76.9	74.3	71.3	67.8	63.1	56.2	49.8	0	0	0	0.8	1	1.2	1.7	3.9	7.3	11.3	14.6	15.6	15.6	4.4	42.2	43.9	45.5	47.1	48.9	50.9	53		
Daylight Aperture																															

Table with columns for time (12:21 - 4pm) and sky condition (Clear). Rows include X(Y) coordinates, notes, and a grid of 28 values for each time slot.

Time: 12:21 - 4pm Sky Condition: Clear notes: crit.pt. ignore (outside room).

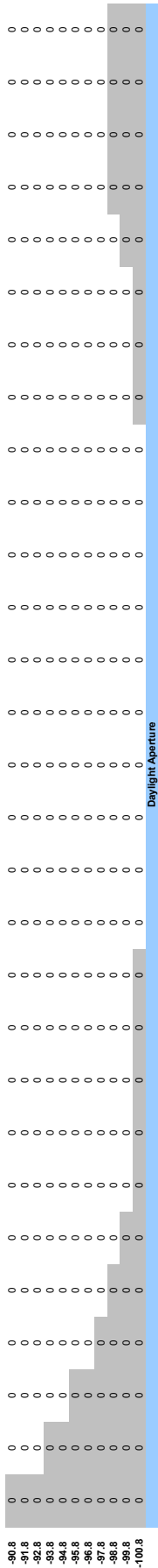
Large data table with 28 columns representing time slots from 12:21 to 4:00. Rows include X(Y) coordinates and a grid of 28 values per time slot. Sky condition is Clear.

Time: 12:21 - 4pm Sky Condition: Clear notes: crit.pt. ignore (outside room).

Large data table with 28 columns representing time slots from 12:21 to 4:00. Rows include X(Y) coordinates and a grid of 28 values per time slot. Sky condition is Clear.

Time: 12:21 - 4pm Sky Condition: Clear notes: crit.pt. ignore (outside room).

Large data table with 28 columns representing time slots from 12:21 to 4:00. Rows include X(Y) coordinates and a grid of 28 values per time slot. Sky condition is Clear.



Daylight Contribution Only (fc) - 12:21 - Party Cloudy

Time: 12:21 - 8am Party Cloudy
notes: ent.rpt. ignore (outside room)

Table with 34 columns (X, Y, 126.1 to 154.1) and 100 rows of numerical data for Party Cloudy conditions at 12:21.

Time: 12:21 - 10am Party Cloudy
notes: ent.rpt. ignore (outside room)

Table with 34 columns (X, Y, 126.1 to 154.1) and 100 rows of numerical data for Party Cloudy conditions at 12:21.

Time: 12:21 - 12pm Party Cloudy
notes: ent.rpt. ignore (outside room)

Table with 34 columns (X, Y, 126.1 to 154.1) and 100 rows of numerical data for Party Cloudy conditions at 12:21.

Time:	12:21 - 2pm		12:21 - 4pm		12:21 - 6pm		12:21 - 8pm		12:21 - 10pm		12:21 - 12pm		12:21 - 2pm		12:21 - 4pm		12:21 - 6pm		12:21 - 8pm		12:21 - 10pm		12:21 - 12pm							
	128.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	
(X,Y)	504	112	497	102	85	77.3	67.1	55.1	39.7	27.2	21.1	25.2	37.6	56.8	65.5	69.2	71	70.4	64.3	52.1	37.4	50.2	59.2	71.8	77.8	84.3	90.9	97.0	102.6	
-97.8	3236	3126	0.2	0.1	42.5	1068	1117	1088	306	197	146	132	141	167	215	286	286	1069	1143	1203	1247	1278	1299	1311	1312	1228	1185	1174	1168	1186
-98.8	3301	3234	0.1	0.1	1239	1229	1171	340	163	112	104	115	143	195	286	1091	1188	1259	1306	1336	1356	1368	1371	1352	1415	2848	2975	3002	3185	
-98.8	3356	3305	3248	3172	2971	2872	1249	1265	313	77.4	67.7	71.2	82.9	107	156	286	1103	1232	1317	1360	1382	1392	1376	1324	3017	3055	3088	3127	3195	
-100.8	3404	3354	3318	3270	3218	3152	3044	2872	0	0.1	0.1	47.4	53.1	62.2	63.4	191	1059	1286	1375	1384	1369	892	3057	3100	3131	3162	3197	3236	3276	

Notes: crit./crit. ignore (outside room)

Daylight Aperture

Time:	12:21 - 2pm		12:21 - 4pm		12:21 - 6pm		12:21 - 8pm		12:21 - 10pm		12:21 - 12pm		12:21 - 2pm		12:21 - 4pm		12:21 - 6pm		12:21 - 8pm		12:21 - 10pm		12:21 - 12pm						
	128.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1
(X,Y)	504	112	497	102	85	77.3	67.1	55.1	39.7	27.2	21.1	25.2	37.6	56.8	65.5	69.2	71	70.4	64.3	52.1	37.4	50.2	59.2	71.8	77.8	84.3	90.9	97.0	102.6
-97.8	3236	3126	0.2	0.1	42.5	1068	1117	1088	306	197	146	132	141	167	215	286	1069	1143	1203	1247	1278	1299	1311	1312	1228	1185	1174	1168	1186
-98.8	3301	3234	0.1	0.1	1239	1229	1171	340	163	112	104	115	143	195	286	1091	1188	1259	1306	1336	1356	1368	1371	1352	1415	2848	2975	3002	3185
-98.8	3356	3305	3248	3172	2971	2872	1249	1265	313	77.4	67.7	71.2	82.9	107	156	286	1103	1232	1317	1360	1382	1392	1376	1324	3017	3055	3088	3127	3195
-100.8	3404	3354	3318	3270	3218	3152	3044	2872	0	0.1	0.1	47.4	53.1	62.2	63.4	191	1059	1286	1375	1384	1369	892	3057	3100	3131	3162	3197	3236	3276

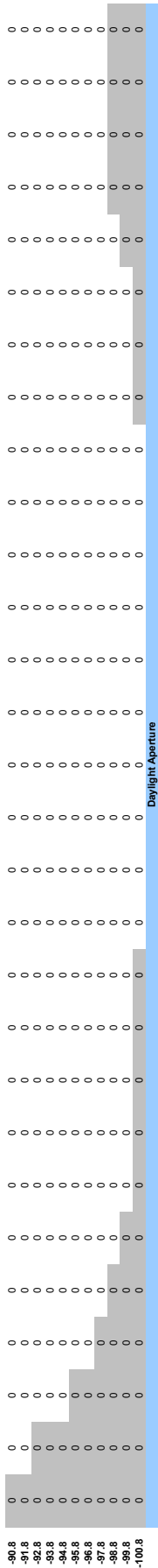
Notes: crit./crit. ignore (outside room)

Daylight Aperture

Time:	12:21 - 2pm		12:21 - 4pm		12:21 - 6pm		12:21 - 8pm		12:21 - 10pm		12:21 - 12pm		12:21 - 2pm		12:21 - 4pm		12:21 - 6pm		12:21 - 8pm		12:21 - 10pm		12:21 - 12pm						
	128.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1
(X,Y)	504	112	497	102	85	77.3	67.1	55.1	39.7	27.2	21.1	25.2	37.6	56.8	65.5	69.2	71	70.4	64.3	52.1	37.4	50.2	59.2	71.8	77.8	84.3	90.9	97.0	102.6
-97.8	3236	3126	0.2	0.1	42.5	1068	1117	1088	306	197	146	132	141	167	215	286	1069	1143	1203	1247	1278	1299	1311	1312	1228	1185	1174	1168	1186
-98.8	3301	3234	0.1	0.1	1239	1229	1171	340	163	112	104	115	143	195	286	1091	1188	1259	1306	1336	1356	1368	1371	1352	1415	2848	2975	3002	3185
-98.8	3356	3305	3248	3172	2971	2872	1249	1265	313	77.4	67.7	71.2	82.9	107	156	286	1103	1232	1317	1360	1382	1392	1376	1324	3017	3055	3088	3127	3195
-100.8	3404	3354	3318	3270	3218	3152	3044	2872	0	0.1	0.1	47.4	53.1	62.2	63.4	191	1059	1286	1375	1384	1369	892	3057	3100	3131	3162	3197	3236	3276

Notes: crit./crit. ignore (outside room)

Daylight Aperture



Daylight Contribution Only (fc) - 3.21 - Overcast

Time: 3.21 - 12pm
 Sky Condition: Overcast
 notes: ignore (outside room)
 crit: 150

(X,Y)	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	Interior	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1																					
-79.8	64.6	54.3	43.4	38.4	32.9	27.7	21.9	14.9	10	369	402	15.4	21.5	24.6	25.7	26	25.6	22.9	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1																					
-80.8	92	70.4	59.6	42.1	34.1	28.1	23.3	17.3	10	239	252	18.1	20.7	22.7	24	24.4	24.1	22.7	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1																				
-81.8	98.6	79.4	69.3	45.3	35.6	29.1	24.5	18.3	9.1	175	192	20.7	21.8	23.2	24.6	24.6	24.3	23.9	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1																			
-82.8	102	82	73.4	51.1	45.8	39.6	35.6	23	22.9	22.7	23.2	23.3	23.8	24.4	24.9	25.5	25.7	25.7	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1																		
-83.8	106	87.3	81.4	61.4	56.1	50.9	46.8	34.4	24.8	24.7	25.2	25.3	25.8	26.4	27	27.6	27.7	27.7	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1																	
-84.8	57.8	53.8	44.6	37.1	31.6	26.4	25.9	25	24.8	25.3	25.7	26.1	27	28	28.8	29.6	30.3	30.9	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1																
-85.8	0.1	14.8	27.5	28.8	27.7	26.4	25.4	25.4	25.7	26.3	27	27.9	28.9	30	31.4	32.3	33.1	34	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1															
-86.8	0.2	12.2	17.1	21.6	23.5	24.5	25.2	25.7	26.6	27.6	28.6	29.9	31.4	32.7	34.1	35.4	36.5	37.6	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1														
-87.8	0.2	12.8	15.5	18.4	21.4	23.4	25.1	26.6	27.8	29.2	30.6	32.1	33.8	35.6	37.4	39	40.7	41.8	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1													
-88.8	0.1	13.7	15.6	18.1	20.8	23.5	25.8	27.7	29.7	31.5	33.2	35	37	38.8	41	43.3	45.1	47.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1												
-89.8	0.1	14.2	16	18.7	21.2	24.3	27	29.7	32	34.2	36.2	38.1	40.4	42.8	45.3	48	50.5	52.8	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1											
-90.8	0.2	14.6	16.8	19.7	22.9	26.1	29.4	32.4	35.2	37.5	39.5	41.8	44.2	47.1	50.2	53.4	56.8	60	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1										
-91.8	0.2	14.9	17.4	20.9	24.7	28.9	32.8	36.3	39.4	41.7	43.5	45.8	48.5	52	55.8	60	64.3	68.6	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1									
-92.8	0.2	14.7	17.8	21.9	27.1	32.5	37.8	42	45.1	48.5	48	50.1	52.2	57.3	63.7	73.1	78.7	84.3	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1								
-93.8	0.2	15.1	18.4	22.9	30.1	37.8	45	50.2	52.5	55.1	55.1	54.8	58.1	63.1	69.3	76.5	83.7	91	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1							
-94.8	0.3	15.4	19.1	24.1	32.5	41.5	49.1	55.1	57.6	60.9	61.1	60.3	64.6	70.6	78.6	87.6	97.6	108	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1						
-95.8	0.2	15.6	19.6	24.9	34.1	43.9	52.1	59.1	62.1	66.1	66.1	64.3	68.7	74.9	83.6	93.6	104.6	116	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1					
-96.8	10.98	0.2	0.2	0.2	20.9	36.4	57.3	103	137	189	279	389	539	739	999	1349	1809	2409	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1				
-97.8	11.29	10.13	0.2	0.1	14.3	35.5	77.3	144	237	385	573	813	1113	1513	2013	2613	3313	4113	125.1	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1			
-98.8	11.89	11.07	10.01	0.1	0.1	16.6	41.1	166	346	566	856	1216	1666	2216	2866	3566	4366	5266	124.1	125.1	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1		
-99.8	12.45	11.78	11.03	10.14	7.79	6.86	247	247	159	41.9	33.5	35	42.2	57.4	85.7	135	186	235	123.1	124.1	125.1	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1	
-100.8	12.88	12.42	11.80	11.14	10.46	9.66	854	854	719	0	0	20.7	24.4	30.9	46.6	110	192	270	122.1	123.1	124.1	125.1	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1

Daylight Aperture

Dimmed Elect Ltg - Full Output (fc)

Time: crit:crit.
na na
notes: ignore (outside room)

(X,Y)	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	Interior	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1					
-79.8	1.9	2.3	2.9	4.4	5.2	5.9	6.2	6.1	1.4	0	0	9.5	11.1	12	12.3	12.3	12.2	11.7	10.6	0	0	0	0	0	0	0	0	0	0	0					
-80.8	2.2	2.8	3.5	4.5	5.7	6.9	7.4	7.7	1.4	0	0	12.5	13.2	13.8	14.2	14.3	14.2	13.9	13.7	18	17.2	12.8	11	0	0	0	0	0	0	0					
-81.8	2.5	3.2	4.1	5.3	6.8	8.4	9.9	11.2	0	0	16.6	16.7	16.9	17.3	17.6	17.7	17.8	17.8	17.9	26.7	21.9	20.3	19.3	16.1	0	0	0	0	0	0	0				
-82.8	3	3.8	4.9	6.5	10.7	16.9	19.2	19.2	17.6	19.7	21.1	21.5	21.9	22.3	22.6	22.9	23	22.9	23	26.7	27.9	27.9	26.3	25.3	16.8	0	0	0	0	0					
-83.8	3.4	4.6	6.1	8.3	14.7	23.2	25.2	25.2	23.6	25.7	27.4	27.9	28.3	28.6	28.8	29.1	29.2	29.2	29.2	32.7	34.4	32.4	29.4	25.3	20.7	16.8	13.8	0	0	0	0				
-84.8	2.2	5.6	7.3	9.9	13.1	17	21.2	25.2	28.6	31.2	32.9	34.5	35.8	36.6	37	37.3	37.5	37.2	36.5	35.4	34.4	32.4	29.4	25.3	20.7	16.8	13.8	0	0	0	0				
-85.8	0	6.8	8.8	11.9	16	20.9	26.3	31.3	35.2	38.1	40	42.2	44.1	45.4	46.2	46.6	46.5	45.9	44.4	42.8	41.6	39.4	36	31.1	25.4	19.8	14.9	11.5	0	0	0	0			
-86.8	0	7.8	10.3	14.1	19	25.1	31.8	37.8	42.2	45.2	47.3	50.1	52.7	54.9	56.6	56	55.8	54.5	52.5	50.2	48.8	46.4	42.6	36.9	29.9	23.3	17.7	13.2	0	0	0	0			
-87.8	0	8.8	11.8	16.1	21.9	29	36.8	43.7	48.6	51.8	54	57.4	61	63.5	64.6	64.8	64.5	62.9	60.1	57	55.3	53	48.8	42.4	34.2	26.4	20	14.8	11.1	0	0	0	0		
-88.8	0	9.6	12.9	18	24.3	32.3	41.1	48.9	54.2	57.6	59.8	63.7	67.8	70.7	72	72.3	71.8	69.9	66.6	62.7	60.8	58.2	54.1	47	37.8	29	21.8	16.1	11.7	0	0	0	0		
-89.8	0	10.2	13.9	19.2	25.9	34.5	44.2	52.7	58.3	61.7	63.9	67.8	72.5	75.7	77.3	77.6	77	74.9	71	66.5	64.3	62	57.6	50.1	40.3	30.8	23	17.1	12.4	0	0	0	0		
-90.8	0	10.5	14.3	19.8	26.6	35.5	45.6	54.6	60.5	63.5	65.6	69.9	74.6	78	79.7	80	79.4	77.1	73.1	68.2	65.7	63.4	59	51.5	41.4	31.6	23.5	17.1	12.3	0	0	0	0	0	
-91.8	0	10.5	14.2	19.7	26.4	35.2	45.3	54.3	60.2	63.5	65.6	69.2	73.9	77.1	78.8	79.2	78.6	76.2	72.1	67.3	64.7	62.1	57.8	50.6	40.9	31.2	23.2	17.1	12.3	0	0	0	0	0	
-92.8	0	10.3	13.7	18.9	25.4	33.7	43.2	51.9	57.7	61	63	66.2	70.4	73.4	74.9	75.1	74.5	72.3	68.5	64	61.2	58.7	54.5	47.8	38.7	29.6	22.1	16.2	11.6	0	0	0	0	0	
-93.8	0	12.9	16.6	23.6	31.1	39.7	47.7	55.1	60.4	63.4	65.3	69.9	74.5	77.4	78.4	78.4	77.6	75.2	71.3	66.6	64	61.2	58.7	54.5	47.8	38.7	29.6	22.1	16.2	11.6	0	0	0	0	
-94.8	0	11.7	15.8	21.6	28.1	36.1	43.1	50.1	55.1	58.1	60.1	64.6	68.6	71.6	72.6	72.6	71.6	69.2	65.3	60.6	58	54.4	50.4	44.4	37.4	28.4	21.4	15.4	10.8	7.9	0	0	0	0	
-95.8	0	10	13.8	18.1	23.8	29.8	35.8	40.4	43.3	45.1	46.6	48.6	49.9	49.9	49.4	49.2	49.7	48.2	46.2	44.2	42	39.9	38.1	35.3	29.5	19.9	14.8	10.8	7.9	0	0	0	0	0	
-96.8	0	0	0	11.9	15.4	19.5	24.4	29.3	33.2	36	37.7	38.8	40	40.8	40.8	40.4	40.1	39.2	37.8	36.1	34.3	32.1	29	25.1	20.5	16	12.1	9	6.6	0	0	0	0	0	
-97.8	0	0	0	0	12.9	15.7	19.4	23.2	26.5	29	30.7	31.5	32.1	32.4	32.4	31.6	31.1	30.6	29.7	28.6	27.2	25.3	22.6	19.4	16	12.6	9.8	7.2	5.3	0	0	0	0	0	
-98.8	0	0	0	0	0	11.7	14.7	17.7	20.5	22.8	24.3	24.9	25.1	25.1	24.8	24.1	23.6	23.1	22.5	21.9	20.9	19.3	17.1	14.7	12.2	9.8	7.2	5.3	0	0	0	0	0	0	
-99.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
-100.8	0	0.1	0.2	1.2	2.2	3	3.7	4.1	0	0	0	15.6	15.3	14.7	14.4	13.8	12.8	12.5	12.2	12.1	11.7	10.7	9.4	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8

Daylight Aperture

-90.8	0	14	18.1	24.1	31.6	41.2	52	61.8	68.4	72.3	74.9	79.3	84.5	88.4	90.6	91.3	91.1	89.1	85.5	81	78.8	76.7	72.4	65	54.8	44.9	36.6	30	24.8				
-91.8	0	14	18.1	24.2	31.6	41.2	52.1	62.1	68.7	72.7	75.3	79.3	84.6	88.4	90.6	91.5	91.4	89.5	85.8	81.5	79.3	77	72.9	65.8	56	46.3	38	31.3	25.9				
-92.8	0	13.7	17.6	23.5	30.9	40.2	50.7	60.4	67.2	71.1	73.6	77.3	82	85.6	87.8	88.6	88.6	87	83.8	79.9	77.6	75.5	71.6	65.1	56	46.8	39	32.2	26.5				
-93.8	0	16.6	22.3	29.4	38.3	48.2	57.4	63.8	67.7	70.1	73.2	77.3	80.4	82.4	82.4	83.3	83.4	82.2	78.7	76.6	74.5	72.5	68.9	63.1	55.1	46.7	38.3	32.6	27.2				
-94.8	170	0	15.2	20.4	27.3	35.6	45	53.7	59.6	63.2	65.4	67.9	70.9	73.5	75.1	76.1	76.6	76	74.4	72.1	70.5	68.7	65.6	60.4	53.4	46.3	38.6	33.4	27.6				
-95.8	170	0	15.2	20.4	27.3	35.6	45	53.7	59.6	63.2	65.4	67.9	70.9	73.5	75.1	76.1	76.6	76	74.4	72.1	70.5	68.7	65.6	60.4	53.4	46.3	38.6	33.4	27.6				
-96.8	183	0	16	21.5	28.4	36.7	46.1	54.7	60.6	64.2	66.4	68.9	71.9	74.5	76.1	76.6	76.6	76	74.4	72.1	70.5	68.7	65.6	60.4	53.4	46.3	38.6	33.4	27.6				
-97.8	183	0	16	21.5	28.4	36.7	46.1	54.7	60.6	64.2	66.4	68.9	71.9	74.5	76.1	76.6	76.6	76	74.4	72.1	70.5	68.7	65.6	60.4	53.4	46.3	38.6	33.4	27.6				
-98.8	201	183	181	0	0	16.4	21.5	28.4	36.7	46.1	54.7	60.6	64.2	66.4	68.9	71.9	74.5	76.1	76.6	76.6	76	74.4	72.1	70.5	68.7	65.6	60.4	53.4	46.3	38.6	33.4	27.6	
-98.8	207	201	183	181	0	0	16.4	21.5	28.4	36.7	46.1	54.7	60.6	64.2	66.4	68.9	71.9	74.5	76.1	76.6	76.6	76	74.4	72.1	70.5	68.7	65.6	60.4	53.4	46.3	38.6	33.4	27.6
-100.8	212	207.1	200.2	195.2	187.2	177	158.7	140.1	120.1	100	82.2	65.9	51.2	39.1	29.9	21.5	28.4	36.4	45.6	53.3	56.3	55.8	23.2	122.4	128.8	130.2	134.5	140	145.5	151.1	151.1		

Daylight Aperture

Daylight + Dim Zone (fc) - 3.21 - Party Cloudy

Time: 3.21 - 8am Party Cloudy
notes: ent:pt. ignore (outside room)

Table with 48 columns of numerical data representing lighting levels (lx) for various sky conditions (K(X), Y) from 126.1 to 1775.1. Includes a 'Daylight Aperture' column at the bottom.

Time: 3.21 - 10am Party Cloudy
notes: ent:pt. ignore (outside room)

Table with 48 columns of numerical data representing lighting levels (lx) for various sky conditions (K(X), Y) from 126.1 to 4853.1. Includes a 'Daylight Aperture' column at the bottom.

Time: 3.21 - 12pm Party Cloudy
notes: ent:pt. ignore (outside room)

Table with 48 columns of numerical data representing lighting levels (lx) for various sky conditions (K(X), Y) from 126.1 to 5985.1. Includes a 'Daylight Aperture' column at the bottom.

Sky Condition:	3.21 - 2pm		Party Cloudy		notes:	crit.pt.		ignore (outside room)																						
	(X,Y)	127.1	128.1	129.1		130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1
-96.8	6175	6174	0.4	0.2	63.1	141.4	20635.5	2144.4	394.3	353.2	289	250.7	240.8	254	287.8	340.8	408.4	2248.1	2313.2	2371.8	2416.1	2453.3	2474.1	2489	2478.1	2437.5	2379	2403.1	2382	2349.6
-97.8	6324	6134	0.3	0.2	71.9	2207.7	2268.4	2322.2	406.5	288	228	228.7	214.5	230.1	289.4	335.1	427.6	2289.1	2376.6	2450.7	2504.6	2546.2	2574.3	2592.6	2563.4	2537	2385.6	2350.8	2496.2	2553.3
-98.8	6436	6316	0.166	0.2	82.2	2445.7	2434.7	2356.7	464.5	247.8	182.3	173.9	191.1	234.1	310.8	434.1	2328.6	2449.1	2537.5	2597.9	2641.9	2667.3	2686.1	2663.7	2646.2	2572.8	2664.6	2683.1	2928.8	5928.8
-98.8	6534	6441	0.634	0.205	89.62	5983.1	2482.8	2486	447.8	129	116	122.6	141.4	178.1	253.9	411.4	2353.7	2518.1	2626.7	2683.4	2716.8	2728.5	2708.9	2619	2593.2	2602.5	6077.5	6147.5	6248.9	
-100.8	6619	6546.1	6463.2	6376.2	6283.2	6167	5989.1	0.1	0.1	0.1	83.7	92.9	107.2	141.4	308.8	2337.8	2895.5	2711.2	2726.1	2697.7	2634.7	6044.4	6101.8	6156.2	6270.5	6273	6339.5	6410.1		

Sky Condition:	3.21 - 4pm		Party Cloudy		notes:	crit.pt.		ignore (outside room)																						
	(X,Y)	126.1	127.1	128.1		129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1
-96.8	6175	6174	0.4	0.2	63.1	141.4	20635.5	2144.4	394.3	353.2	289	250.7	240.8	254	287.8	340.8	408.4	2248.1	2313.2	2371.8	2416.1	2453.3	2474.1	2489	2478.1	2437.5	2379	2403.1	2382	2349.6
-97.8	6324	6134	0.3	0.2	71.9	2207.7	2268.4	2322.2	406.5	288	228	228.7	214.5	230.1	289.4	335.1	427.6	2289.1	2376.6	2450.7	2504.6	2546.2	2574.3	2592.6	2563.4	2537	2385.6	2350.8	2496.2	2553.3
-98.8	6436	6316	0.166	0.2	82.2	2445.7	2434.7	2356.7	464.5	247.8	182.3	173.9	191.1	234.1	310.8	434.1	2328.6	2449.1	2537.5	2597.9	2641.9	2667.3	2686.1	2663.7	2646.2	2572.8	2664.6	2683.1	2928.8	5928.8
-98.8	6534	6441	0.634	0.205	89.62	5983.1	2482.8	2486	447.8	129	116	122.6	141.4	178.1	253.9	411.4	2353.7	2518.1	2626.7	2683.4	2716.8	2728.5	2708.9	2619	2593.2	2602.5	6077.5	6147.5	6248.9	
-100.8	6619	6546.1	6463.2	6376.2	6283.2	6167	5989.1	0.1	0.1	0.1	83.7	92.9	107.2	141.4	308.8	2337.8	2895.5	2711.2	2726.1	2697.7	2634.7	6044.4	6101.8	6156.2	6270.5	6273	6339.5	6410.1		

Sky Condition:	3.21 - 6pm		Party Cloudy		notes:	crit.pt.		ignore (outside room)																						
	(X,Y)	126.1	127.1	128.1		129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1
-96.8	6175	6174	0.4	0.2	63.1	141.4	20635.5	2144.4	394.3	353.2	289	250.7	240.8	254	287.8	340.8	408.4	2248.1	2313.2	2371.8	2416.1	2453.3	2474.1	2489	2478.1	2437.5	2379	2403.1	2382	2349.6
-97.8	6324	6134	0.3	0.2	71.9	2207.7	2268.4	2322.2	406.5	288	228	228.7	214.5	230.1	289.4	335.1	427.6	2289.1	2376.6	2450.7	2504.6	2546.2	2574.3	2592.6	2563.4	2537	2385.6	2350.8	2496.2	2553.3
-98.8	6436	6316	0.166	0.2	82.2	2445.7	2434.7	2356.7	464.5	247.8	182.3	173.9	191.1	234.1	310.8	434.1	2328.6	2449.1	2537.5	2597.9	2641.9	2667.3	2686.1	2663.7	2646.2	2572.8	2664.6	2683.1	2928.8	5928.8
-98.8	6534	6441	0.634	0.205	89.62	5983.1	2482.8	2486	447.8	129	116	122.6	141.4	178.1	253.9	411.4	2353.7	2518.1	2626.7	2683.4	2716.8	2728.5	2708.9	2619	2593.2	2602.5	6077.5	6147.5	6248.9	
-100.8	6619	6546.1	6463.2	6376.2	6283.2	6167	5989.1	0.1	0.1	0.1	83.7	92.9	107.2	141.4	308.8	2337.8	2895.5	2711.2	2726.1	2697.7	2634.7	6044.4	6101.8	6156.2	6270.5	6273	6339.5	6410.1		

-90.8	0	11.3	15.2	20.9	27.9	37	47.4	56.7	62.8	66.3	68.5	72.6	77.5	81	82.9	83.3	82.9	80.8	76.9	72.2	69.9	67.8	63.5	56.1	46.1	36.3	28.2	21.9	16.8	
-91.8	0	11.3	15.1	20.8	27.8	36.9	47.3	56.6	62.8	66.3	68.5	72.2	77	80.4	82.2	82.8	82.4	80.3	76.4	71.8	69.5	67.1	63.9	55.9	46.2	36.6	28.6	22.3	17.3	
-92.8	0	11	14.6	20	26.9	35.5	45.4	54.5	60.7	64.1	66.2	69.5	73.8	77	78.6	79.1	78.7	76.8	73.3	69.1	66.6	64.4	60.4	53.9	44.9	35.8	28.3	22.1	17.1	
-93.8	0	0	13.7	18.7	25.2	33.2	42.3	50.8	56.6	60	61.9	64.6	68.2	71	72.5	72.8	72.6	70.9	68	64.5	62.2	59.9	56.2	50.3	42.4	34.2	27.2	21.2	16.6	
-94.8	69.2	0	12.5	16.9	22.8	30	38.3	46	51.4	54.5	56.3	58.4	61	63.2	64.3	64.6	64.5	63.4	61.3	58.5	56.5	54.4	51.1	45.7	38.9	31.9	25.7	20.5	16	
-95.8	71.6	0	0	12.8	17.8	23.3	30.3	37.1	43.6	46.3	48	50.1	52.1	54.1	55.6	55.8	55.3	54.2	52.1	49.1	46.1	43.1	39.7	35.7	31.5	26.2	20.5	15.7	11	
-96.8	73.9	69	0	0	13.7	17	23.8	30.3	35.2	38.9	43	46.2	49.5	52.4	53.6	53.8	53.3	52.2	49.2	45.8	43.8	42.3	39.7	36.1	31.5	26.2	20.5	15.9	11	
-97.8	75.8	72.5	67.5	0	0	13.7	21.8	27.8	32.2	35.2	36.4	36.2	36.4	36.8	36.9	37.2	37.7	38.4	36.7	33.8	34	33.3	31.8	29.7	26.8	23.8	19.3	14.5	10	6
-98.8	77.5	74.9	71.6	67.2	52.2	47.1	26.9	31	29.4	22	21.8	21.8	21.6	21.7	22.4	23.6	25.1	26.9	28.9	30.3	30.8	30.2	28.4	25.2	22.2	18.8	14.5	10	6	2
-100.8	79.1	77	74.5	72.5	70	66.1	59.9	53.9	0	0	0	16.4	16.3	15.9	16.1	17.7	20.1	23.8	26.8	27.7	27.3	15.1	46.6	47.7	48.7	49.6	50.9	46.6	41.6	36.1

Daylight Aperture

-90.8	0	10.5	14.3	19.8	26.6	35.5	45.6	54.6	60.5	63.8	65.9	69.9	74.6	78	79.7	80	79.4	77.1	73.1	68.2	65.7	63.4	59	51.5	41.4	31.6	23.5	17.3	12.4
-91.8	0	10.5	14.2	19.7	26.4	35.2	45.3	54.3	60.2	63.5	65.6	69.2	73.9	77.1	78.8	79.2	78.6	76.2	72.1	67.3	64.7	62.1	57.8	50.6	40.9	31.2	23.2	17.1	12.3
-92.8	0	10.3	13.7	18.9	25.4	33.7	43.2	51.9	57.7	61	63	66.2	70.4	73.4	74.9	75.1	74.5	72.3	68.5	64	61.2	58.7	54.5	47.8	38.7	29.6	22.1	16.2	11.6
-93.8	0	0	12.8	17.6	23.6	31.1	38.7	47.7	53.1	56.4	58.3	60.9	64.5	67.1	68.4	68.5	67.9	65.9	62.6	58.7	56	53.4	49.4	43.3	35.2	27	20	14.4	10.2
-94.8	0	0	11.7	15.8	21.1	27.6	35.1	42.1	47.2	50.3	52.2	54.3	56.9	59	59.9	59.9	59.4	57.8	55.2	51.9	49.4	46.9	43.2	37.6	30.6	23.6	17.4	12.7	9.9
-95.8	0	0	0	11.7	15.4	21.6	29.1	36.1	41.2	44.3	46	48.7	50.8	52.4	53.4	53.4	52.4	50.8	48.1	45.4	42.7	40.1	36.4	30.8	24.8	18.7	13.1	8.8	6.6
-96.8	0	0	0	11.9	15.4	19.6	24.4	29.3	33.2	36	37.7	39.8	40	40.8	40.8	40.4	40.1	39.2	37.8	36.1	34.3	32.3	29	25.1	20.5	16	12.1	9	6.6
-97.8	0	0	0	0	12.9	15.7	19.4	23.2	26.5	29	30.7	31.5	32.1	32.4	32.1	31.1	31.6	30.6	29.7	28.6	27.2	25.3	22.6	19.4	16	12.6	9.8	7.2	5.3
-98.8	0	0	0	0	0	11.7	14.7	17.7	20.5	22.8	24.3	24.9	25.1	25.1	24.8	24.1	23.6	23.1	22.5	21.9	20.9	19.3	17.1	14.7	12.2	9.8	7.2	5.3	3.8
-98.8	0	0	0	0	3	4.1	10.8	13	15.8	18	19.2	19.6	19.4	19.1	18.9	18.4	17.7	17.1	16.7	16.4	15.8	14.5	12.8	11	4.2	3.5	2.5	1.5	0.9
-100.8	0	0.1	0.2	1.2	2.2	3	3.7	4.1	0	0	0	15.6	15.3	14.7	14.4	13.8	12.8	12.5	12.2	12.1	11.7	10.7	4.4	3.8	3.2	2.5	2	1.5	1.1

Daylight Aperture

Daylight + Dim Zone (fc) - 12.21 - Party Cloudy

Time: 12.21 - 8am Party Cloudy
notes: entrl- ignore (outside room)

Table with 38 columns and 100 rows of numerical data. Includes a 'Sky Condition:' header on the left and a 'Daylight Aperture' header at the bottom.

Daylight + Dim Zone (fc) - 12.21 - Party Cloudy

Time: 12.21 - 10am Party Cloudy
notes: entrl- ignore (outside room)

Table with 38 columns and 100 rows of numerical data. Includes a 'Sky Condition:' header on the left and a 'Daylight Aperture' header at the bottom.

Daylight + Dim Zone (fc) - 12.21 - Party Cloudy

Time: 12.21 - 12pm Party Cloudy
notes: entrl- ignore (outside room)

Table with 38 columns and 100 rows of numerical data. Includes a 'Sky Condition:' header on the left and a 'Daylight Aperture' header at the bottom.

Daylight + Dim Zone (fc) - 12.21 - Party Cloudy

Time: 12.21 - 8pm Party Cloudy
notes: entrl- ignore (outside room)

Table with 38 columns and 100 rows of numerical data. Includes a 'Sky Condition:' header on the left and a 'Daylight Aperture' header at the bottom.

-96.8	3147	0.2	0.1	48.9	113	973.5	1054.4	1048.3	1009.2	2.38	199.7	188.8	197	220.8	261.8	317.4	1085.1	1142.2	1190.8	1227.1	1252.3	1269.1	1277	1272.1	1248.5	1201	1186.1	1177	1186.1	1162.6
-97.8	3236	0.2	0.1	55.4	1083.7	1136.4	1111.2	332.5	226	176.7	163.5	173.1	189.4	247.1	317.6	1100.1	1173.6	1232.7	1275.6	1305.2	1324.3	1333.6	1331.4	1306	1207.6	1129.8	1246.2	1292.3	1300.8	
-98.8	3301	3234	3142	0.1	1250.7	1243.7	1188.7	380.5	185.8	136.3	128.9	140.1	188.1	219.8	310.1	1114.6	1211.1	1281.5	1327.9	1356.9	1375.3	1385.1	1386.7	1364.2	1424.8	2851.6	2977.1	3003.8	3185.9	
-98.8	3336	3306	3246	3172	2974	2876.1	1259.8	1278	328.8	95.4	86.9	90.8	126.1	174.9	294.4	1207	1249.1	1333.7	1376.4	1397.8	1406.5	1388.8	1335	3021.2	3058.5	3088.5	3126.5	3185.9	3277.1	
-100.8	3404	3364.1	3318.2	3271.2	3220.2	3155	3047.7	2876.1	0	0.1	0.1	63	68.4	76.9	97.8	204.8	1101.8	1286.5	1387.2	1386.1	1360.7	902.7	3071.4	3103.8	3134.2	3199	3237.5	3277.1	3277.1	

Notes: **crit.pt.** ignore (outside room)

126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1
(X,Y)	-79.8	-80.8	-81.8	-82.8	-83.8	-84.8	-85.8	-86.8	-87.8	-88.8	-89.8	-90.8	-91.8	-92.8	-93.8	-94.8	-95.8	-96.8	-97.8	-98.8	-99.8	-100.8	-101.8	-102.8	-103.8	-104.8	-105.8	-106.8	-107.8

126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1
(X,Y)	-79.8	-80.8	-81.8	-82.8	-83.8	-84.8	-85.8	-86.8	-87.8	-88.8	-89.8	-90.8	-91.8	-92.8	-93.8	-94.8	-95.8	-96.8	-97.8	-98.8	-99.8	-100.8	-101.8	-102.8	-103.8	-104.8	-105.8	-106.8	-107.8

Notes: **crit.pt.** ignore (outside room)

126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1
(X,Y)	-79.8	-80.8	-81.8	-82.8	-83.8	-84.8	-85.8	-86.8	-87.8	-88.8	-89.8	-90.8	-91.8	-92.8	-93.8	-94.8	-95.8	-96.8	-97.8	-98.8	-99.8	-100.8	-101.8	-102.8	-103.8	-104.8	-105.8	-106.8	-107.8

126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1
(X,Y)	-79.8	-80.8	-81.8	-82.8	-83.8	-84.8	-85.8	-86.8	-87.8	-88.8	-89.8	-90.8	-91.8	-92.8	-93.8	-94.8	-95.8	-96.8	-97.8	-98.8	-99.8	-100.8	-101.8	-102.8	-103.8	-104.8	-105.8	-106.8	-107.8

Notes: **crit.pt.** ignore (outside room)

126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1
(X,Y)	-79.8	-80.8	-81.8	-82.8	-83.8	-84.8	-85.8	-86.8	-87.8	-88.8	-89.8	-90.8	-91.8	-92.8	-93.8	-94.8	-95.8	-96.8	-97.8	-98.8	-99.8	-100.8	-101.8	-102.8	-103.8	-104.8	-105.8	-106.8	-107.8

-90.8	0	10.5	14.3	19.8	26.6	35.5	45.6	54.6	60.5	63.8	65.9	69.9	74.6	78	79.7	80	79.4	77.1	73.1	68.2	65.7	63.4	59	51.5	41.4	31.6	23.5	17.3	12.4
-91.8	0	10.5	14.2	19.7	26.4	35.2	45.3	54.3	60.2	63.5	65.6	69.2	73.9	77.1	78.8	79.2	78.6	76.2	72.1	67.3	64.7	62.1	57.8	50.6	40.9	31.2	23.2	17.1	12.3
-92.8	0	10.3	13.7	18.9	25.4	33.7	43.2	51.9	57.7	61	63	66.2	70.4	73.4	74.9	75.1	74.5	72.3	68.5	64	61.2	58.7	54.5	47.8	38.7	29.6	22.1	16.2	11.6
-93.8	0	0	12.8	17.6	23.6	31.1	38.7	47.7	53.1	56.4	58.3	60.9	64.5	67.1	68.4	68.5	67.9	65.9	62.6	58.7	56	53.4	49.4	43.3	35.2	27	20	14.4	10.2
-94.8	0	0	11.7	15.8	21.1	27.6	35.1	42.1	47.2	50.3	52.2	54.3	56.9	59	59.9	59.9	59.4	57.8	55.2	51.9	49.4	46.9	43.2	37.6	30.6	23.6	17.4	12.7	9.9
-95.8	0	0	0	11.7	15.4	21.1	27.6	34.6	39.7	42.7	44.6	47.2	49.8	51.9	52.1	52.1	51.4	49.7	47.1	43.8	40.3	37.8	34.1	28.5	21.5	14.7	9.6	6.6	4.1
-96.8	0	0	0	11.9	15.4	19.6	24.4	29.3	33.2	36	37.7	39.8	40	40.8	40.8	40.4	40.1	39.2	37.8	36.1	34.3	32.3	29	25.1	20.5	16	12.1	9	6.6
-97.8	0	0	0	0	12.9	15.7	19.4	23.2	26.5	29	30.7	31.5	32.1	32.4	32.1	31.1	31.6	30.6	29.7	28.6	27.2	25.3	22.6	19.4	16	12.6	9.8	7.2	5.3
-98.8	0	0	0	0	0	11.7	14.7	17.7	20.5	22.8	24.3	24.9	25.1	25.1	24.8	24.1	23.6	23.1	22.5	21.9	20.9	19.3	17.1	14.7	12.2	9.8	7.2	5.3	3.8
-99.8	0	0	0	0	3	4.1	10.8	13	15.8	18	19.2	19.6	19.4	19.1	18.9	18.4	17.7	17.1	16.7	16.4	15.8	14.5	12.8	11	4.2	3.5	2.5	1.5	0.9
-100.8	0	0.1	0.2	1.2	2.2	3	3.7	4.1	0	0	0	15.6	15.3	14.7	14.4	13.8	12.8	12.5	12.2	12.1	11.7	10.7	4.4	3.8	3.2	2.5	2	1.5	1.1

Daylight Aperture

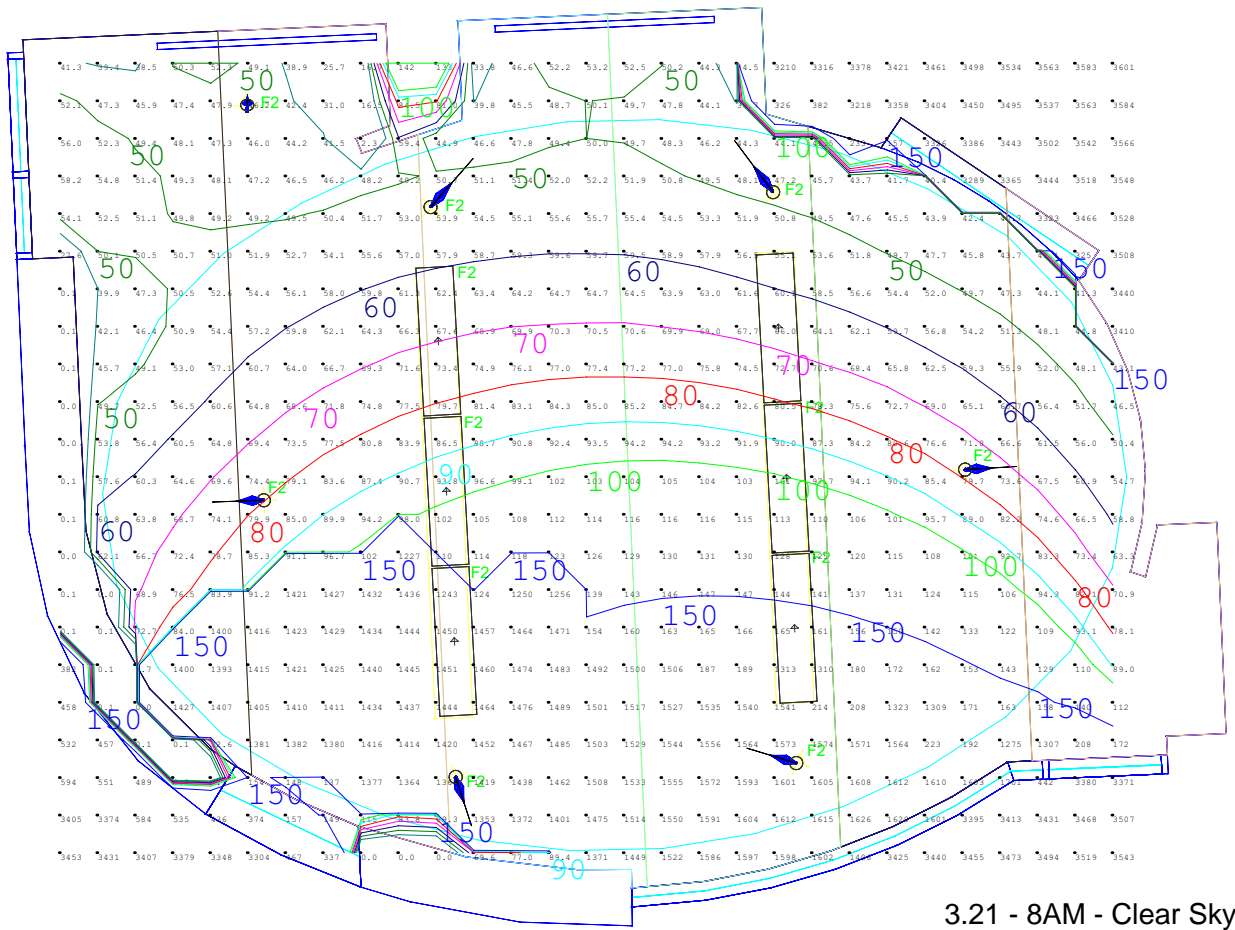
Daylight + Dim Zone (fc) - 3.21 Overcast

Time: 3.21 - 12pm
 Sky Condition: Overcast
 notes: crit:el. (ignore (outside room))

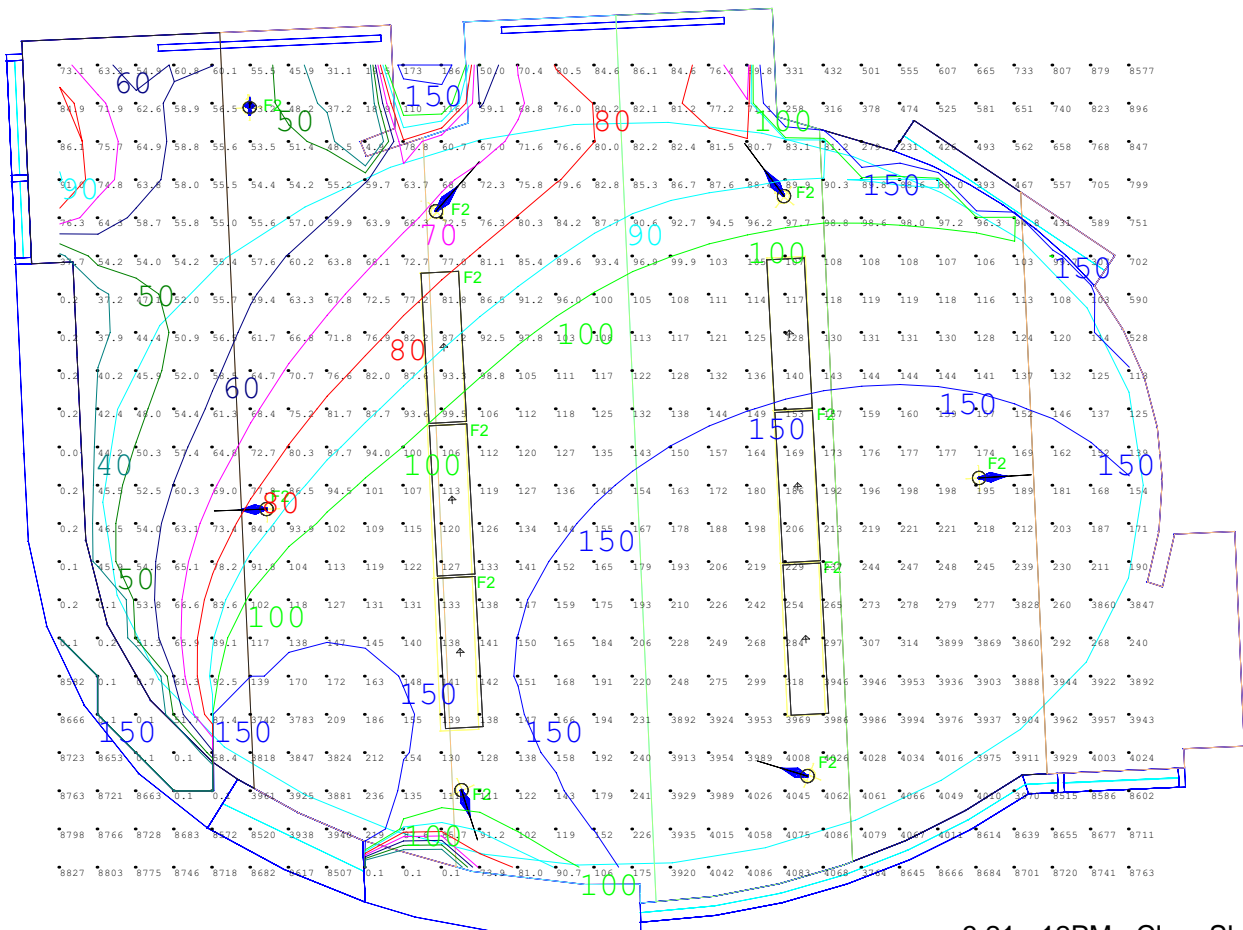
(X,Y)	126.1	127.1	128.1	129.1	130.1	131.1	132.1	133.1	134.1	135.1	136.1	137.1	138.1	139.1	140.1	Interior	141.1	142.1	143.1	144.1	145.1	146.1	147.1	148.1	149.1	150.1	151.1	152.1	153.1	154.1	155.1
-79.8	66.5	56.6	46.3	42.8	38.1	33.5	28.1	21	11.4	369	402	24.9	32.6	36.6	38	38.3	37.8	34.6	28.9	622	807	921	999	1065	1126	1187	1246	1297	1343		
-80.8	94.2	73.2	57.1	46.6	39.8	35	30.7	25	11.4	239	252	30.6	33.9	36.5	38.2	38.7	38.3	36.6	34.7	513	634	748	859	958	1026	1097	1172	1236	1290		
-81.8	101.1	82.6	63.9	50.6	42.4	37.5	34	32.5	9.1	175	35.8	37.4	38.7	40.5	41.5	42.3	42.1	41.7	41.6	42.3	41.3	41.3	40.6	42.1	40.8	39.1	1022	1170	1233		
-82.8	105	85.8	66	52.3	44.4	40.3	38.4	36.2	40.4	42.4	44.2	44.8	45.7	46.7	47.5	48.4	48.7	48.8	49	46.9	48.3	46.6	45.5	42.4	42.4	37.6	872	1096	1175		
-83.8	106	87.4	68.4	54.4	46.4	42.4	40.4	38.4	40.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-84.8	107	88.4	69.4	55.4	47.4	43.4	41.4	39.4	40.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-85.8	108	89.4	70.4	56.4	48.4	44.4	42.4	40.4	40.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-86.8	109	90.4	71.4	57.4	49.4	45.4	43.4	41.4	40.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-87.8	110	91.4	72.4	58.4	50.4	46.4	44.4	42.4	40.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-88.8	111	92.4	73.4	59.4	51.4	47.4	45.4	43.4	41.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-89.8	112	93.4	74.4	60.4	52.4	48.4	46.4	44.4	42.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-90.8	113	94.4	75.4	61.4	53.4	49.4	47.4	45.4	43.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-91.8	114	95.4	76.4	62.4	54.4	50.4	48.4	46.4	44.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-92.8	115	96.4	77.4	63.4	55.4	51.4	49.4	47.4	45.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-93.8	116	97.4	78.4	64.4	56.4	52.4	50.4	48.4	46.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-94.8	117	98.4	79.4	65.4	57.4	53.4	51.4	49.4	47.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-95.8	118	99.4	80.4	66.4	58.4	54.4	52.4	50.4	48.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-96.8	119	100.4	81.4	67.4	59.4	55.4	53.4	51.4	49.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-97.8	120	101.4	82.4	68.4	60.4	56.4	54.4	52.4	50.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-98.8	121	102.4	83.4	69.4	61.4	57.4	55.4	53.4	51.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-99.8	122	103.4	84.4	70.4	62.4	58.4	56.4	54.4	52.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		
-100.8	123	104.4	85.4	71.4	63.4	59.4	57.4	55.4	53.4	42.4	44.4	45.4	46.4	47.4	48.4	49.4	49.4	49.4	49.4	47.4	48.4	46.4	45.4	42.4	42.4	37.6	872	1096	1175		

Daylight Aperture

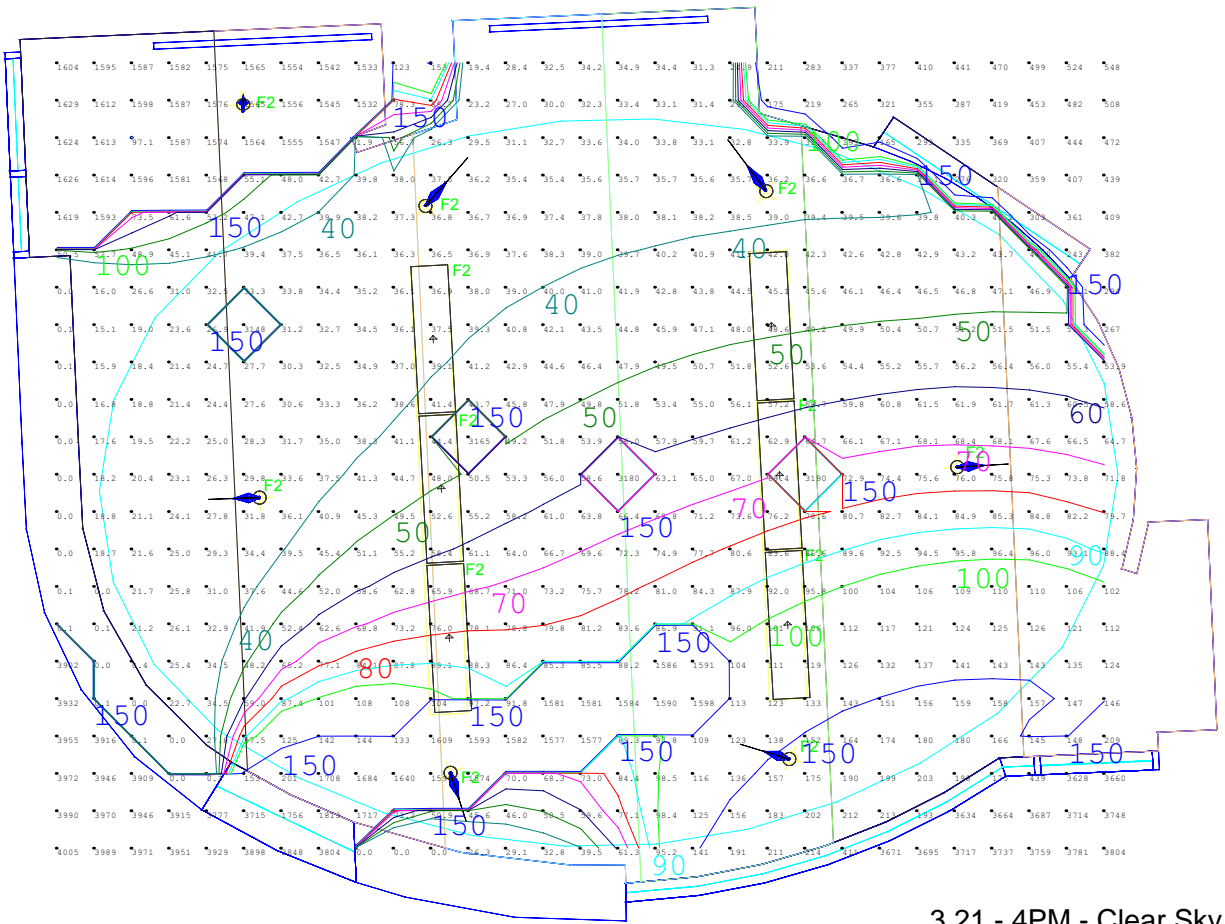
1242.1	1180.2	1115.2	1048.2	969	857.7	723.1	0	0.1	0	0	0	36.3	39.7	45.6	61	204.8	282.5	282.5	282.5	337.1	328.7	101.9	873.4	906.8	939.2	974.5	1016	1062.5	1113.1
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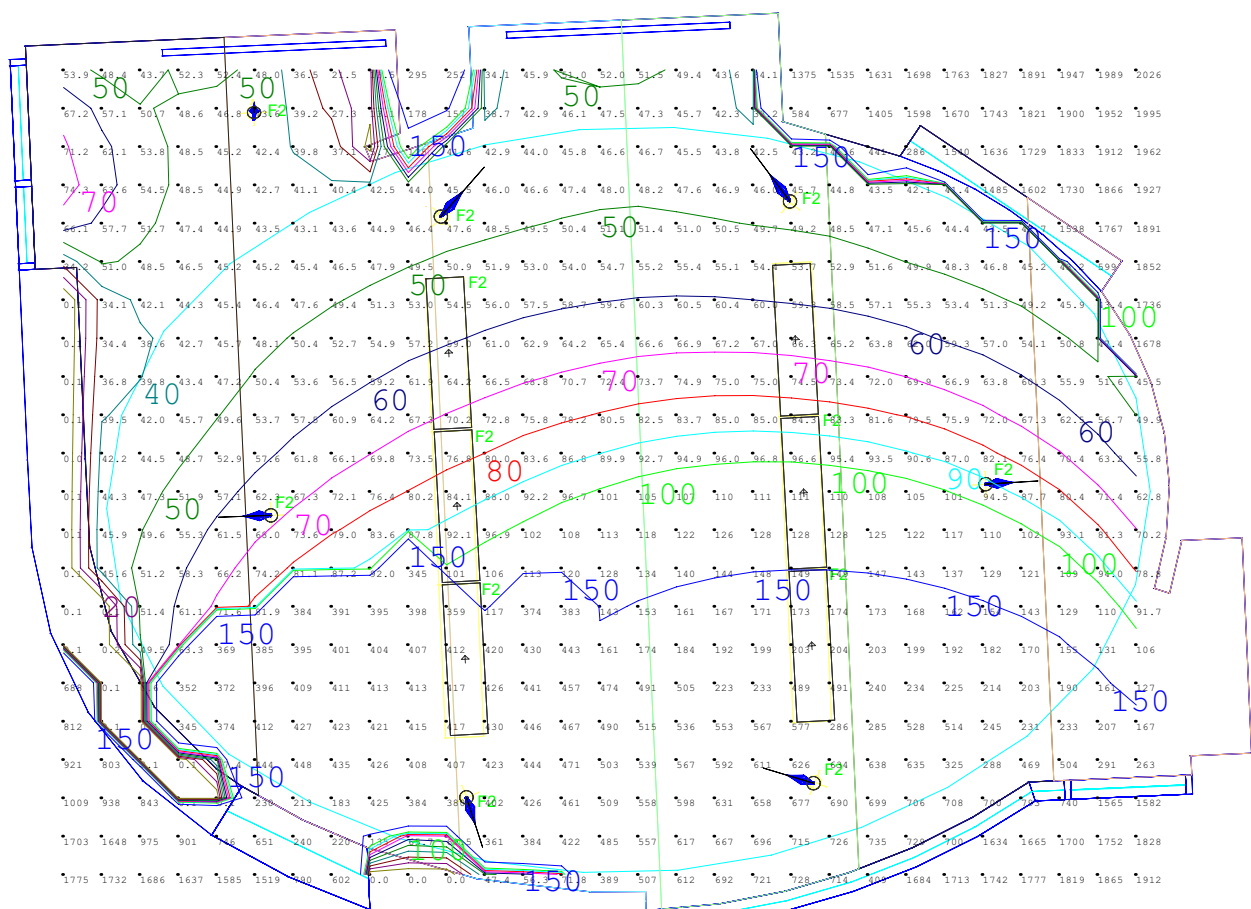
3.21 - 8AM - Clear Sky



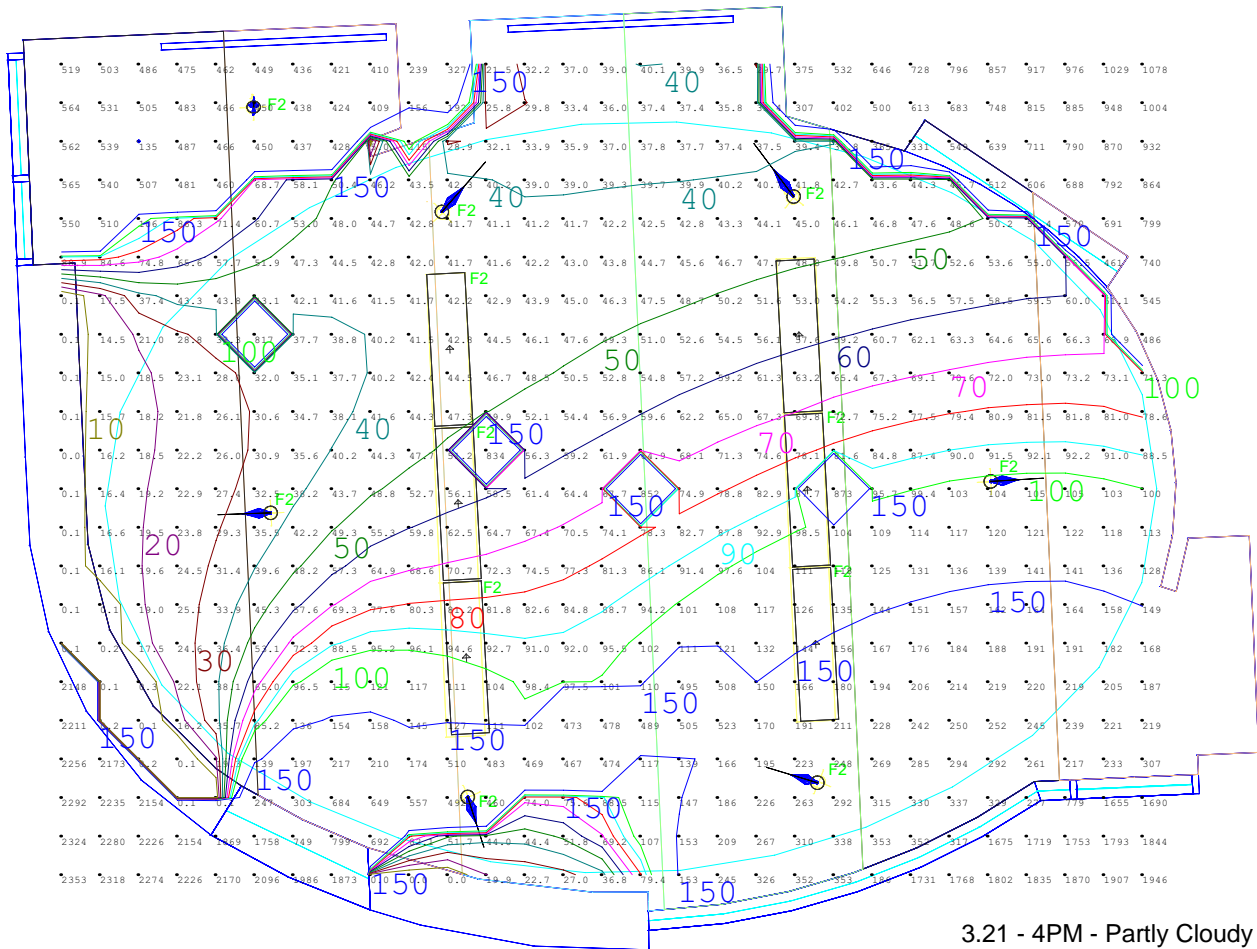
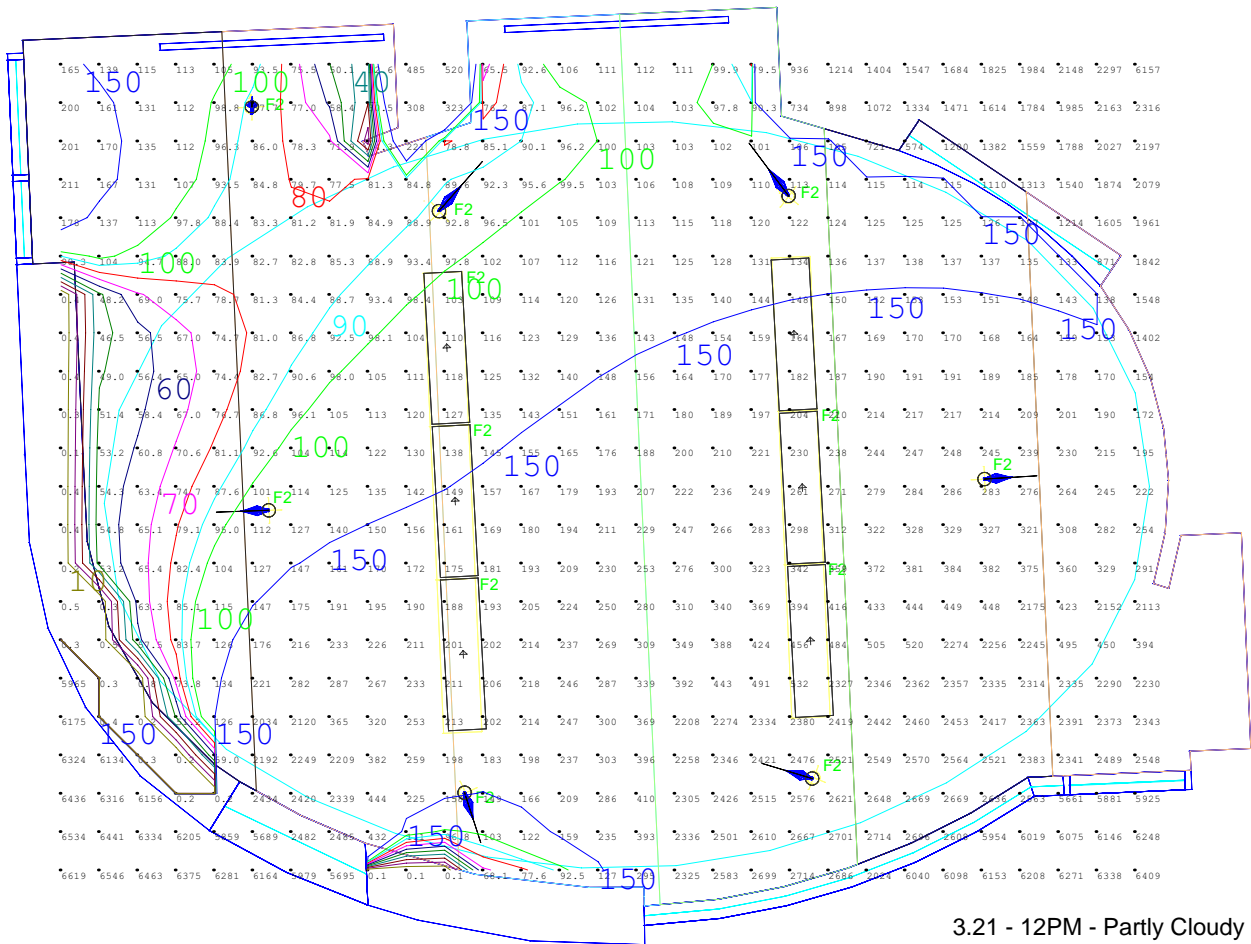
3.21 - 12PM - Clear Sky

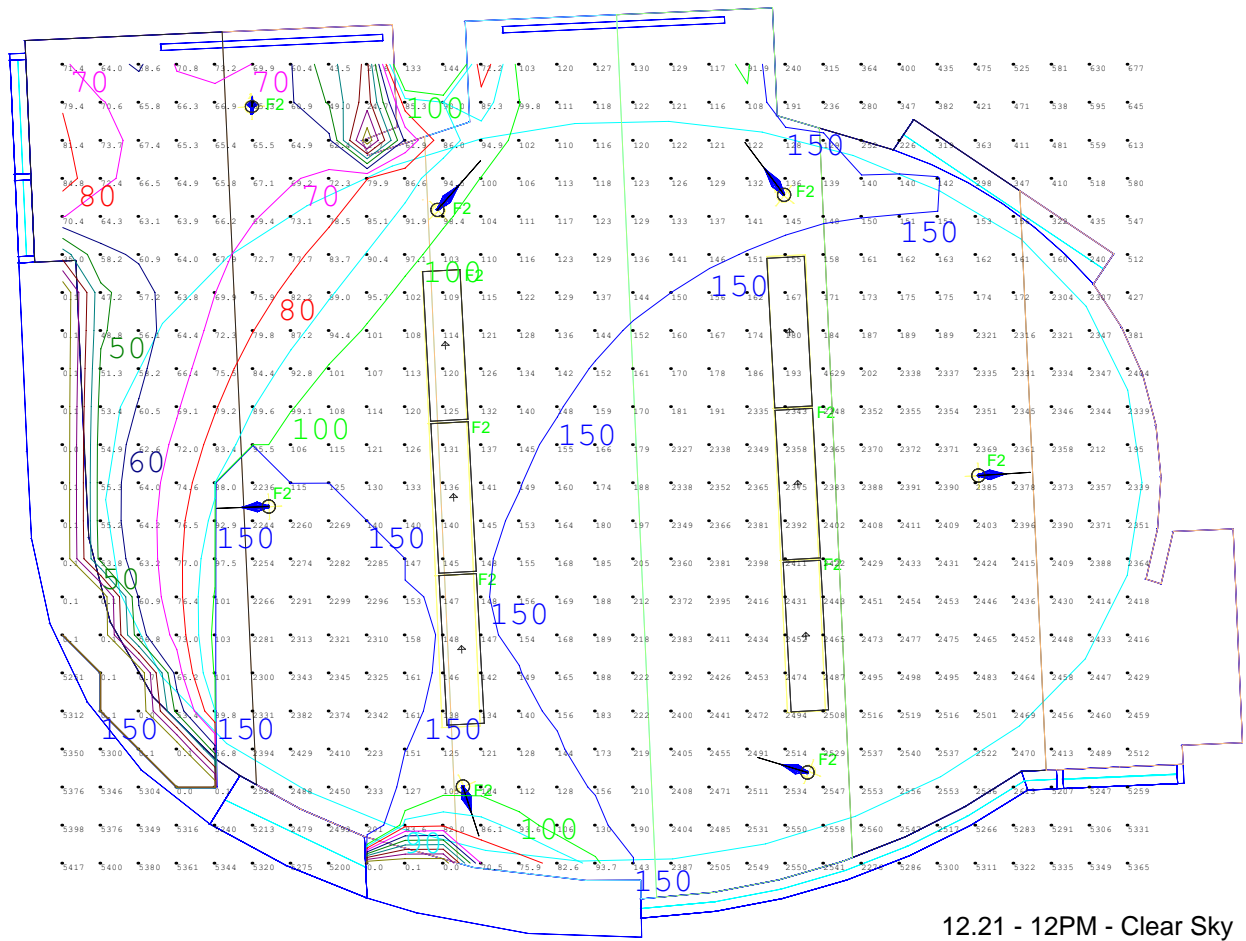
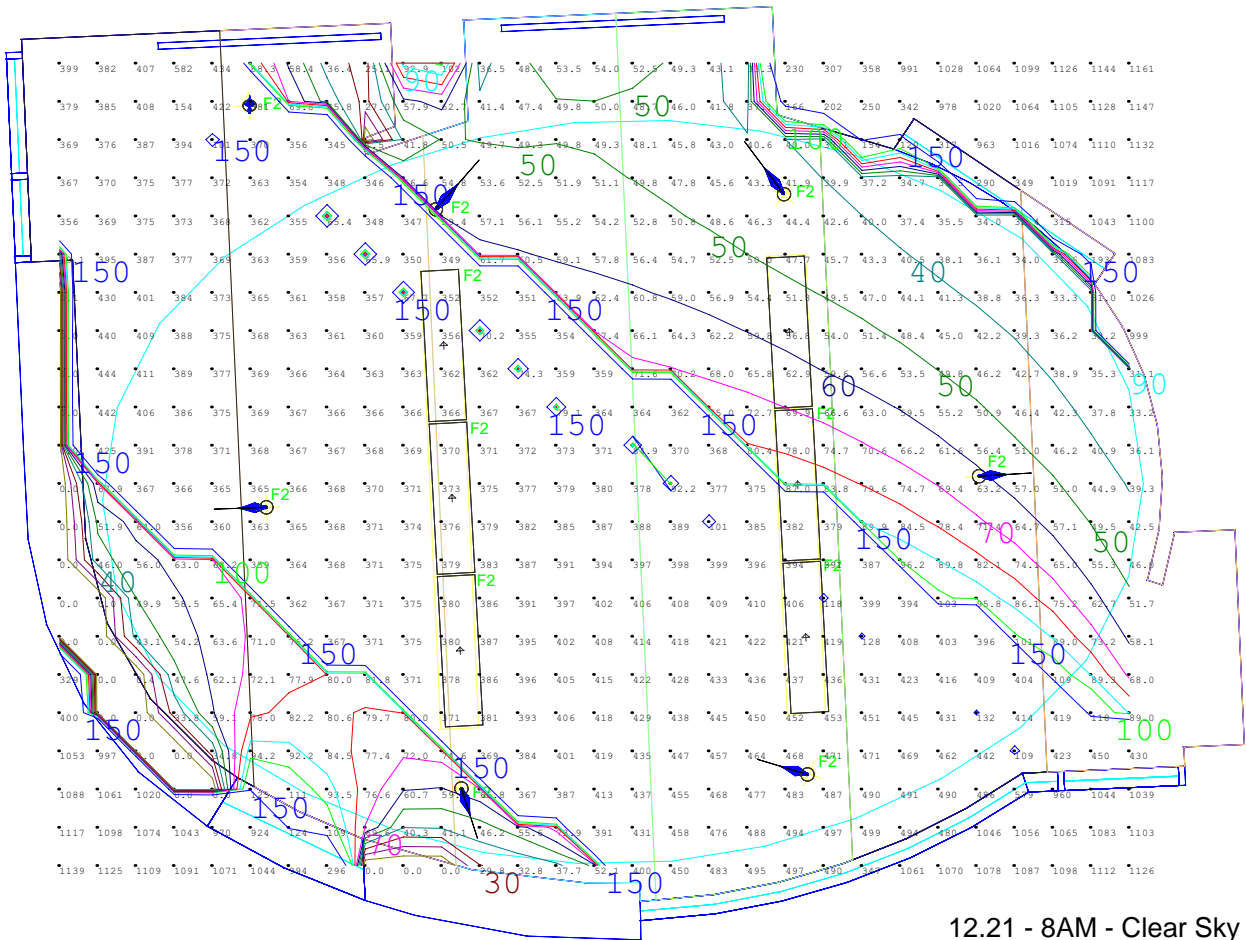


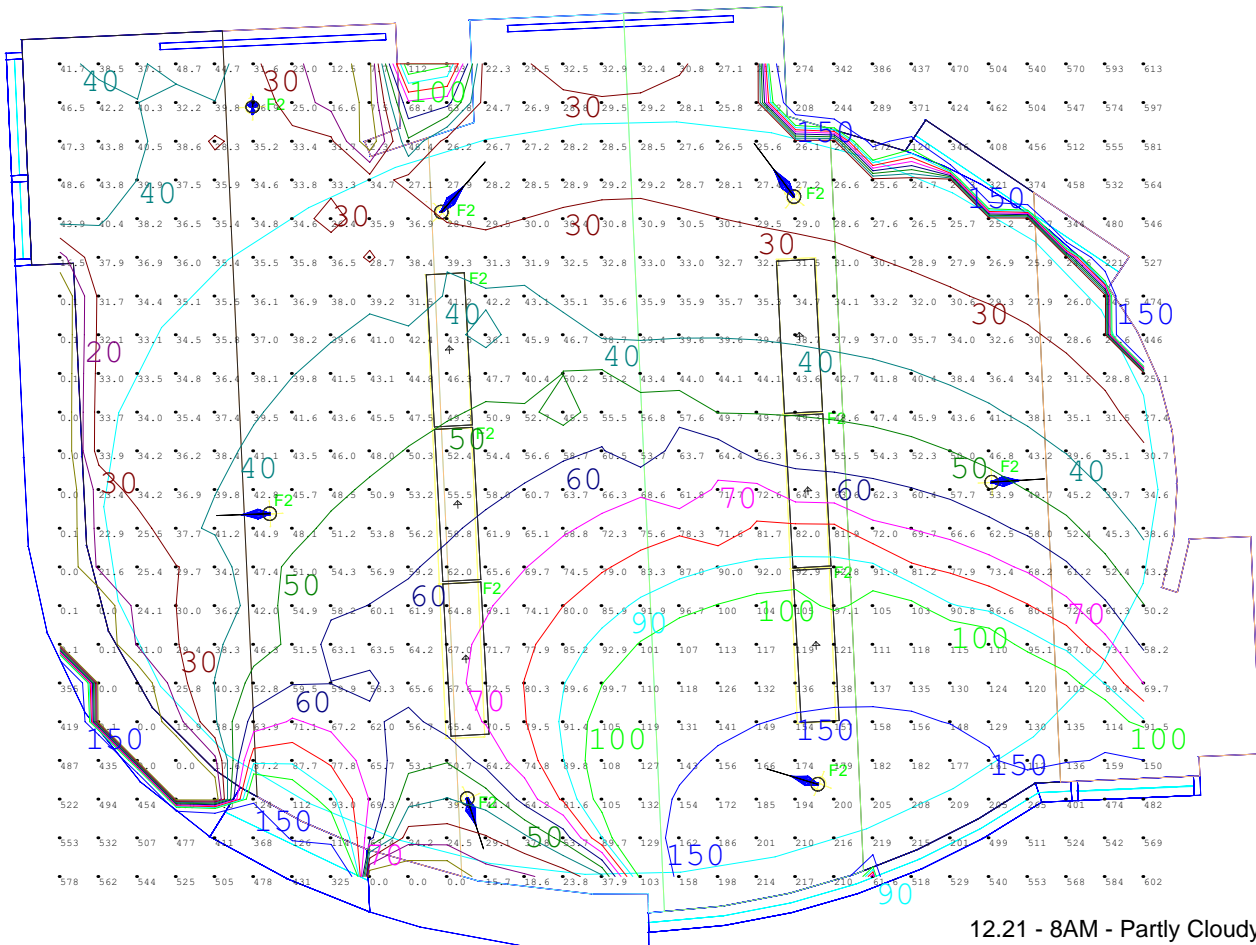
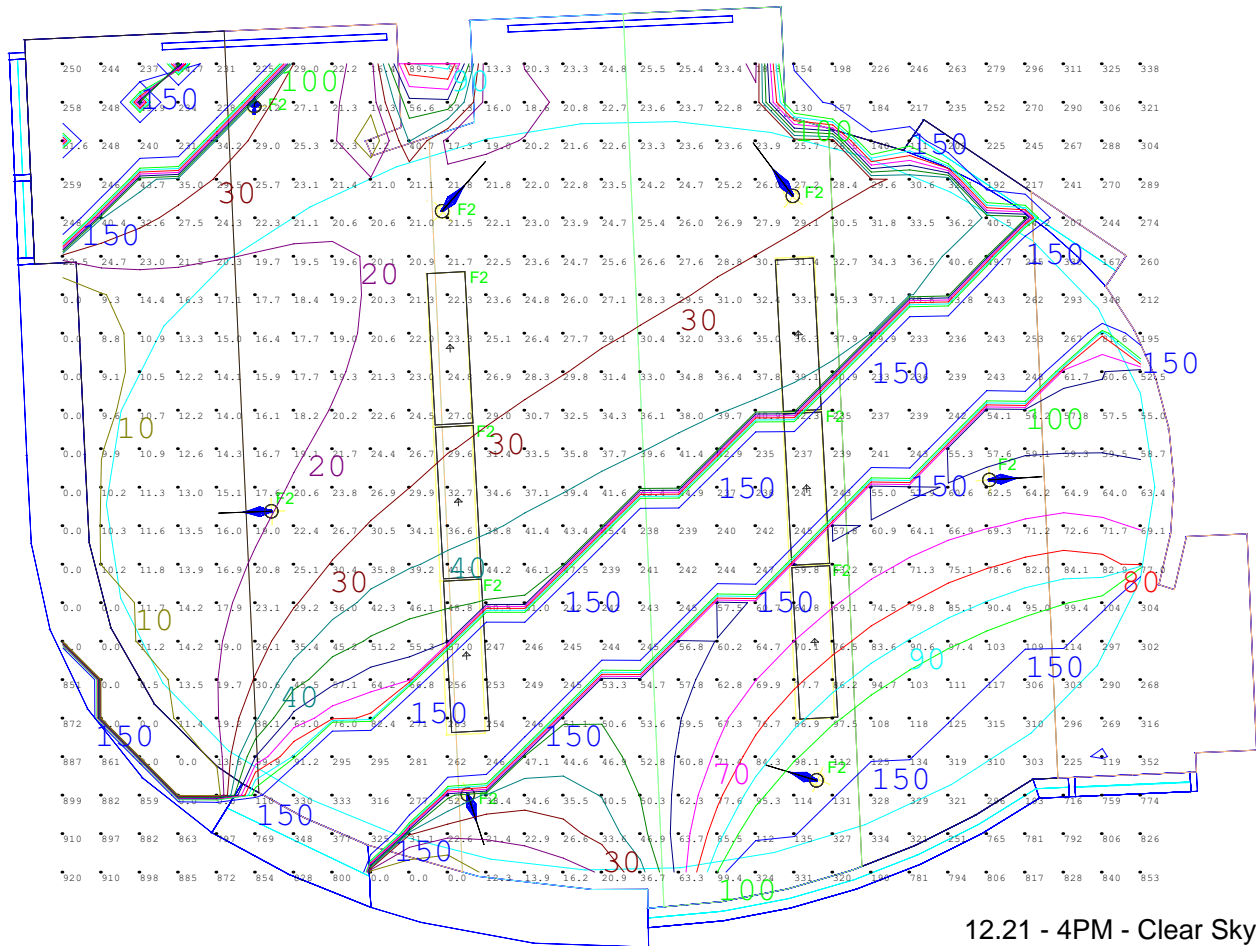
3.21 - 4PM - Clear Sky

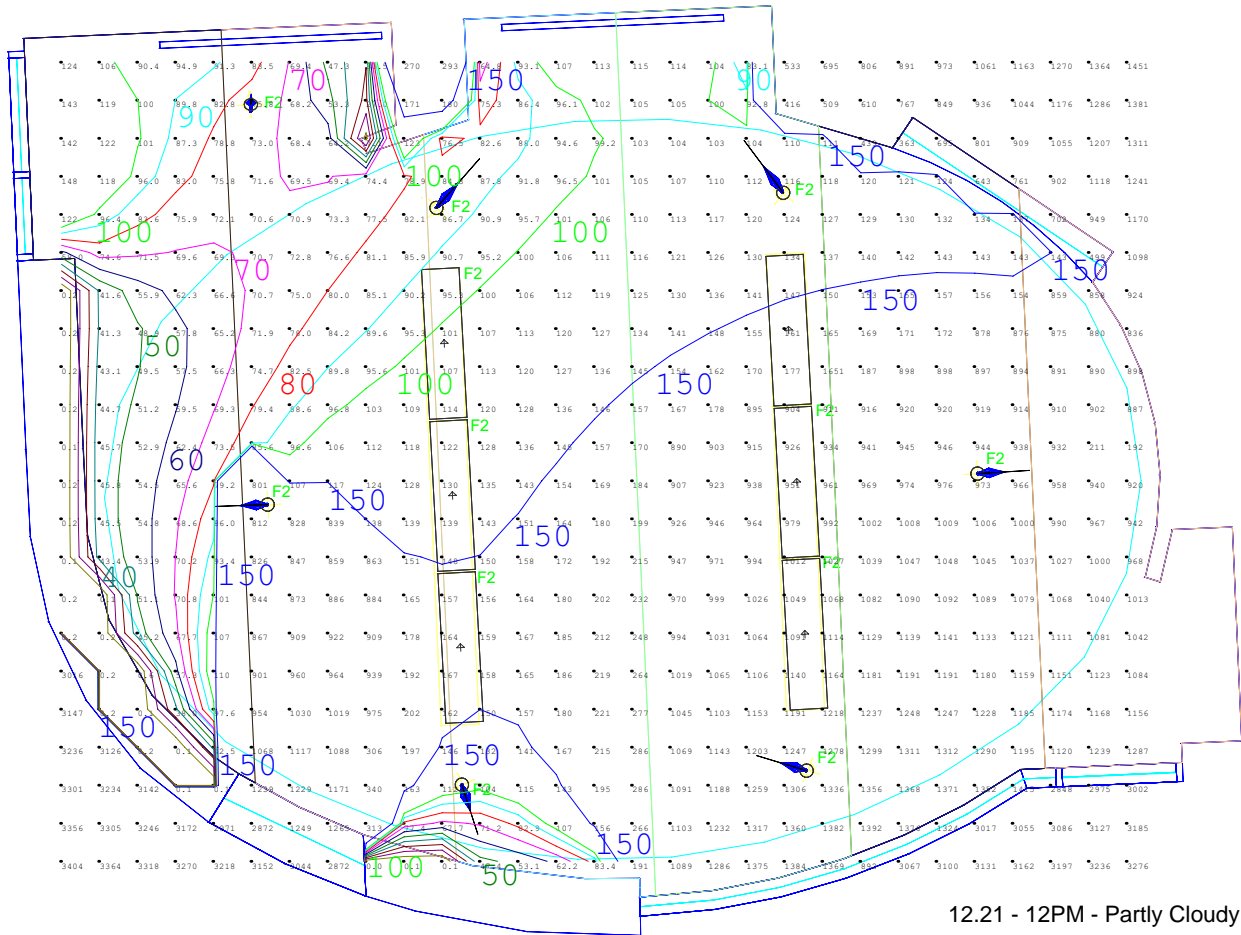


3.21 - 8AM - Partly Cloudy

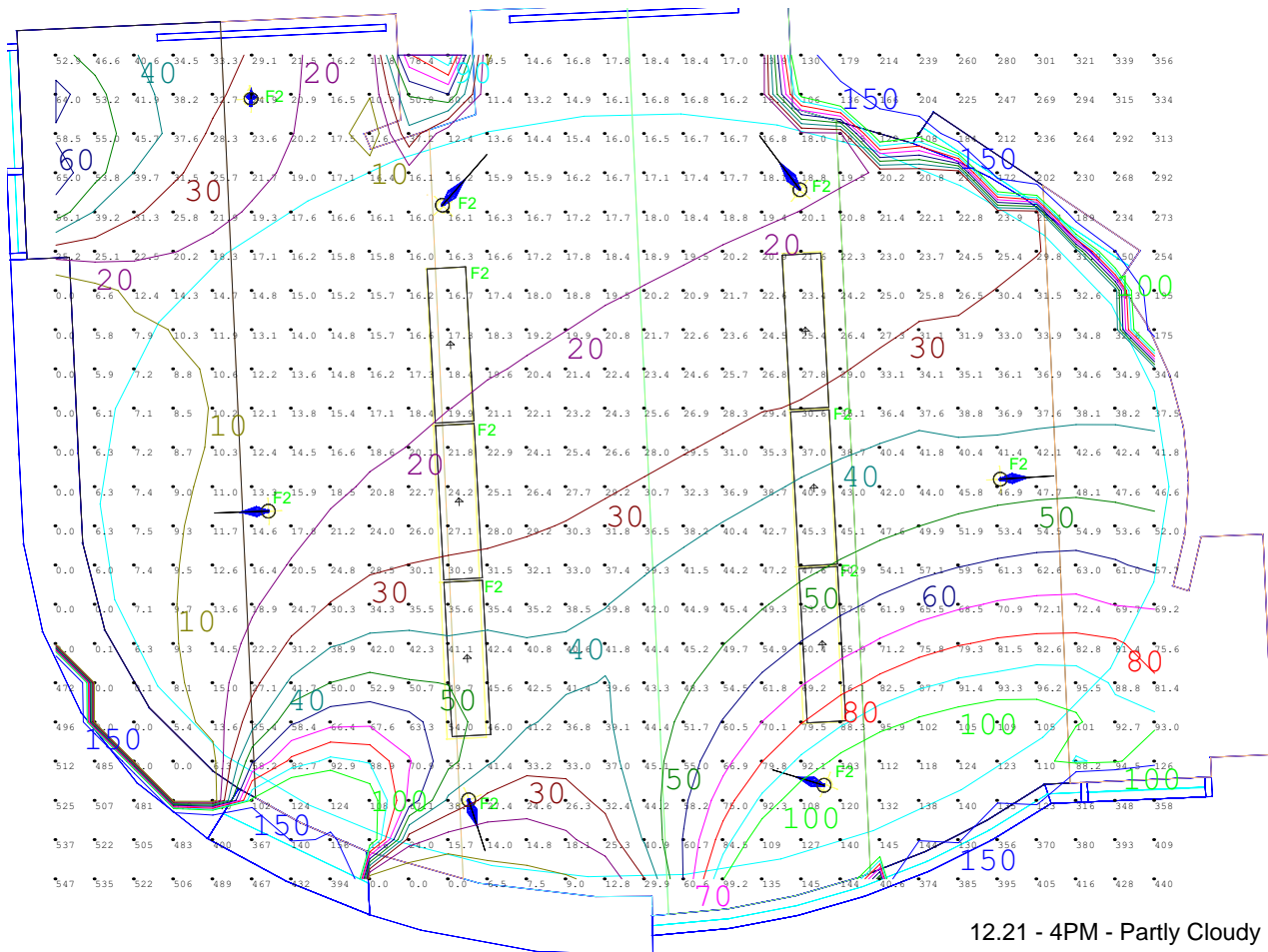




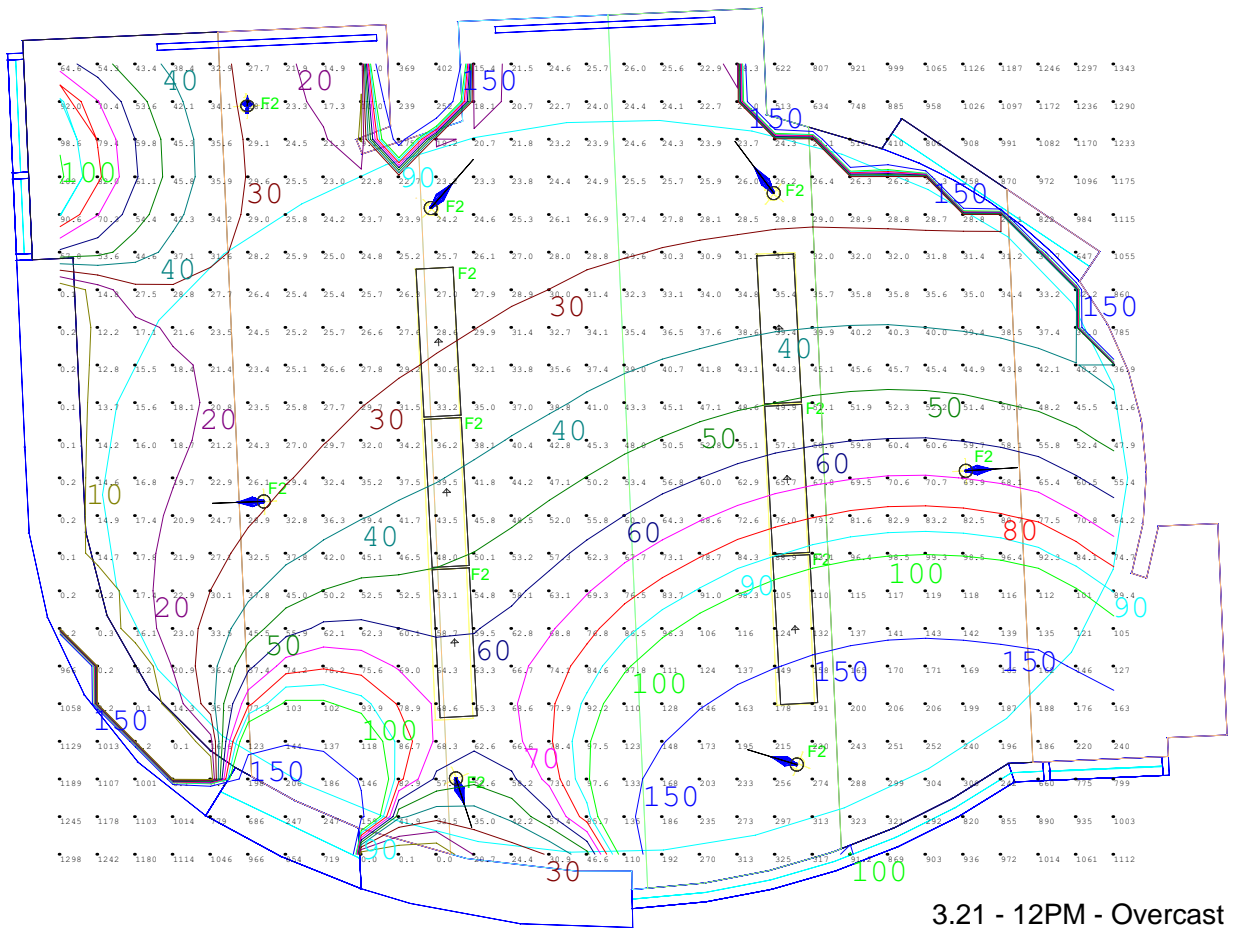




12.21 - 12PM - Partly Cloudy



12.21 - 4PM - Partly Cloudy



3.21 - 12PM - Overcast