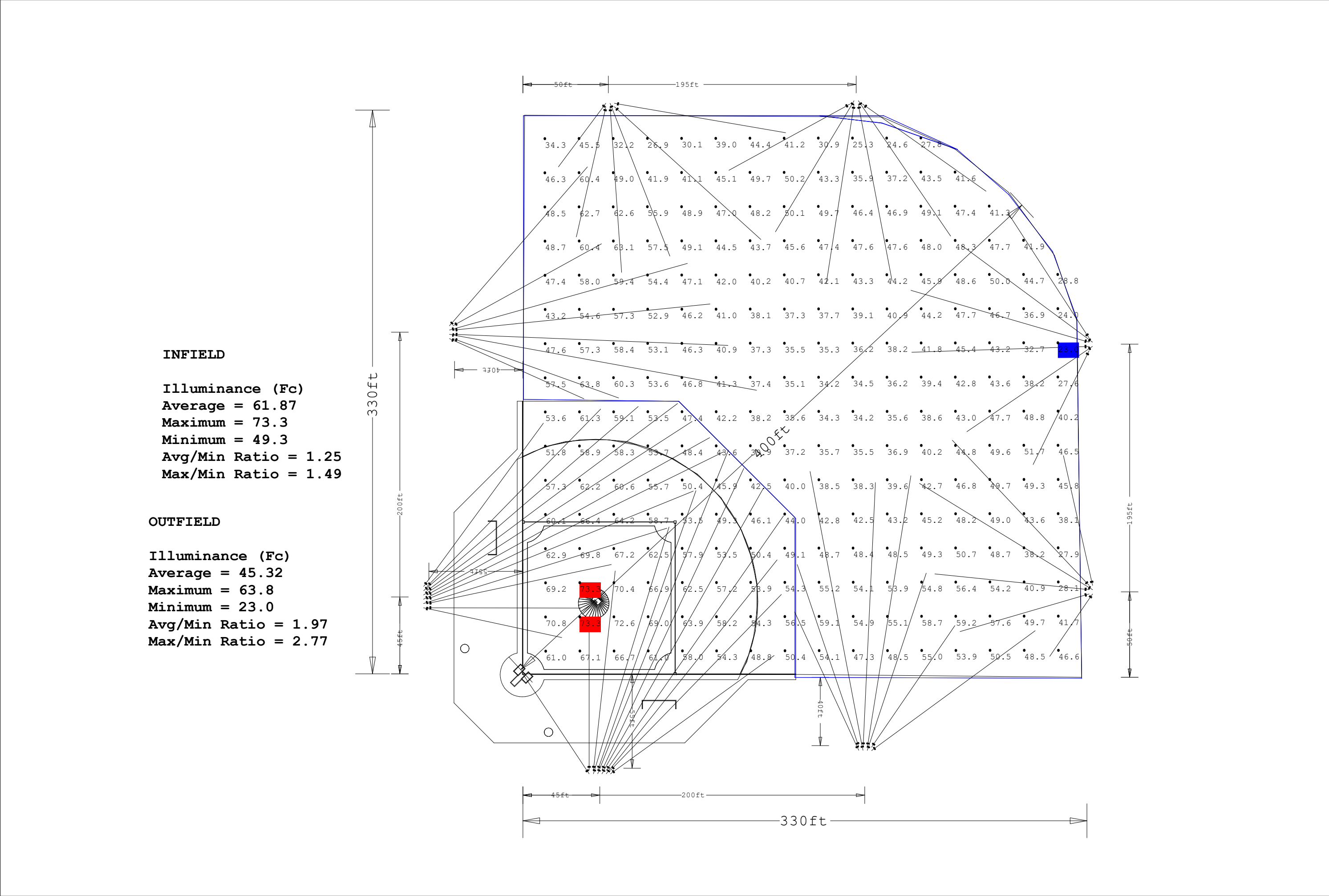




Scale: 1 inch= 50.00 Ft.

LIGHTING DETAILS:

Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Luminaire Lumens	Luminaire Watts
C1		64	1.000	Centario Pro 800W 35D	122134	824.79

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
CalcPts_1	Illuminance	Fc	47.94	73.3	23.0	3.19
INFIELD	Illuminance	Fc	61.87	73.3	49.3	1.49
OUTFIELD	Illuminance	Fc	45.32	63.8	23.0	2.77

DESIGN NOTES:

- 1.
 - 2.
 - 3.
 - 4.
- Note on this Design:
This report makes no representations in regard to Lighting Design or Specification, rather it attempts to accurately reflect the photometric results of a design,as approved by others.
- This analysis is a mathematical model and can be only as accurate as is permitted by the third-party software and the IES standards used. All digital CAD data appear to be accurate, however, this apparent accuracy is an artifact of the techniques used to generate it and is in no way intended to imply accuracy in the real world.
- There are many factors that will impact the actual performance of Lighting in the constructed space, including: the accuracy of the original source (.ies) files supplied by the manufacturer, input voltage ballast variances, actual finish values in the constructed environment, manufacturing variations in both the source (lamp) and the luminaire, final luminaire placement, obstructions, and installation quality. Further, field measurement itself is subject to errors arising from measuring methods and/or technology selected, and the knowledge/ability of the measuring party. While the creator of this lighting study makes every effort to ensure accuracy, they cannot be held liable for any errors. The recipient of this lighting study understands and accepts that the likelihood of scaling error increases when no .DWG file or other properly-dimensioned drawing is provided to the designer.
- Reflective Values have a significant effect on light levels, the end-user of the document should confirm these values before accepting the results of any photometric report. The managing contractor/ architect/engineer is responsible for ensuring compliance to all relevant lighting ordinance(s) and energy codes required on this project.

SPEC SHEET & RENDERS

800W CENTARIO PRO | LED SPORT LIGHT

PRODUCT DESCRIPTION

THE CENTARIO PRO SERIES EVOLVES WITH AN ALL NEW DESIGN 5 YEAR WARRANTY MORE EFFICIENT WITH HIGHER LUMENS, TOP TIER LED DRIVER, AND A NEW SIMPLE FLOOD MOUNT OPTION. THE CENTARIO PRO IS US CERTIFIED - THE FINANCE OF SPORT LIGHTING!

BRIGHTENING PRO-BOW

PRODUCT FEATURES & COMMON USE APPLICATIONS

- ✓ UL EUL certificate
- ✓ Input voltage 120-277VAC
- ✓ No UV or IR in the beam
- ✓ Easy to install and operate
- ✓ Energy saving, long lifespan
- ✓ Instant start, NO flickering, NO humming
- ✓ Green and eco-friendly without mercury
- ✓ Output constant current level can be adjusted through output cable with 0-10V
- ✓ Stadium Fields
- ✓ Gymnasiums
- ✓ Square plazas
- ✓ Bayport, Airport, wharf
- ✓ High mast and Contour lighting, etc.

PRODUCT DIMENSIONS

1466P (16x213x121)
1734S (18x181)
2700S (210x129x121)

LEGENDARY USA SUPPORT

800W CENTARIO PRO | LED SPORT LIGHT

PRODUCT TECHNICAL SPECIFICATIONS

Input Power (Efficiency: 45%)	800W
Color Temperature	5000K
Lumen (Efficacy: 100%)	110000lm
Efficiency (Efficacy: 3%)	141 LM/W
CRI	>90
Color Consistency	±1% Step (at 1° Beam)
Beam Angle	30°
Beam Angle (20%) (Efficiency: 25%)	30° (20° Beam Included in Box)
Input Voltage and Frequency	120-277VAC, 50/60Hz
PF (Efficiency: 98%)	0.98
THD (Efficiency: 98%)	<20%
Flicker Percent	<0.5%
Driver Brand	EPHOSER
Driver Model	RED-BROCK/US/EM
Control Input Protection	1-10V, 0-10V, 0-10V
Dimming	0-10V, 0-10V, 0-10V
Control Accessory	Remote Controller, Photocell, Sensor, Relay, 1-10V, 0-10V, 0-10V
LED Driver	RED-BROCK/US/EM
LED Type	3030SMD
LED SMD	3030SMD
Material	Die-cast aluminum
Mounting	Black, White, or Customized
Mounting Center	2.1" (53mm)
Waterproof Rating	IP65
Operating Temperature	-40°C to 50°C
Storage Temperature	-40°C to 50°C
Operating Humidity	20% - 90% RH
Storage Humidity	20% - 90% RH
Warranty	5 years warranty with 24/7 operating hours Luminaire Lifetime at 25°C

PRODUCT ACCESSORIES

800W CENTARIO PRO | LED SPORT LIGHT

PRODUCT PACKAGING

Model Type	Lumen (lm)	Size	Qty/ Carton	Weight/ Carton
800W	110000	16" x 21" x 12"	1 PC	24.5kg

Distance of Cable Size: ±15mm, Tolerance of Weight: ±2%

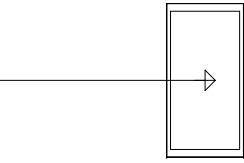
LEGENDARY USA SUPPORT

TYPE C1



RENDERING

LIGHTING DETAILS:

Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Luminaire Lumens	Luminaire Watts
C1		64	1.000	Centario Pro 800W 35D	122134	824.79

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
CalcPts_1	Illuminance	Fc	47.94	73.3	23.0	3.19
INFIELD	Illuminance	Fc	61.87	73.3	49.3	1.49
OUTFIELD	Illuminance	Fc	45.32	63.8	23.0	2.77

DESIGN NOTES:

- 1.
- 2.
- 3.
- 4.

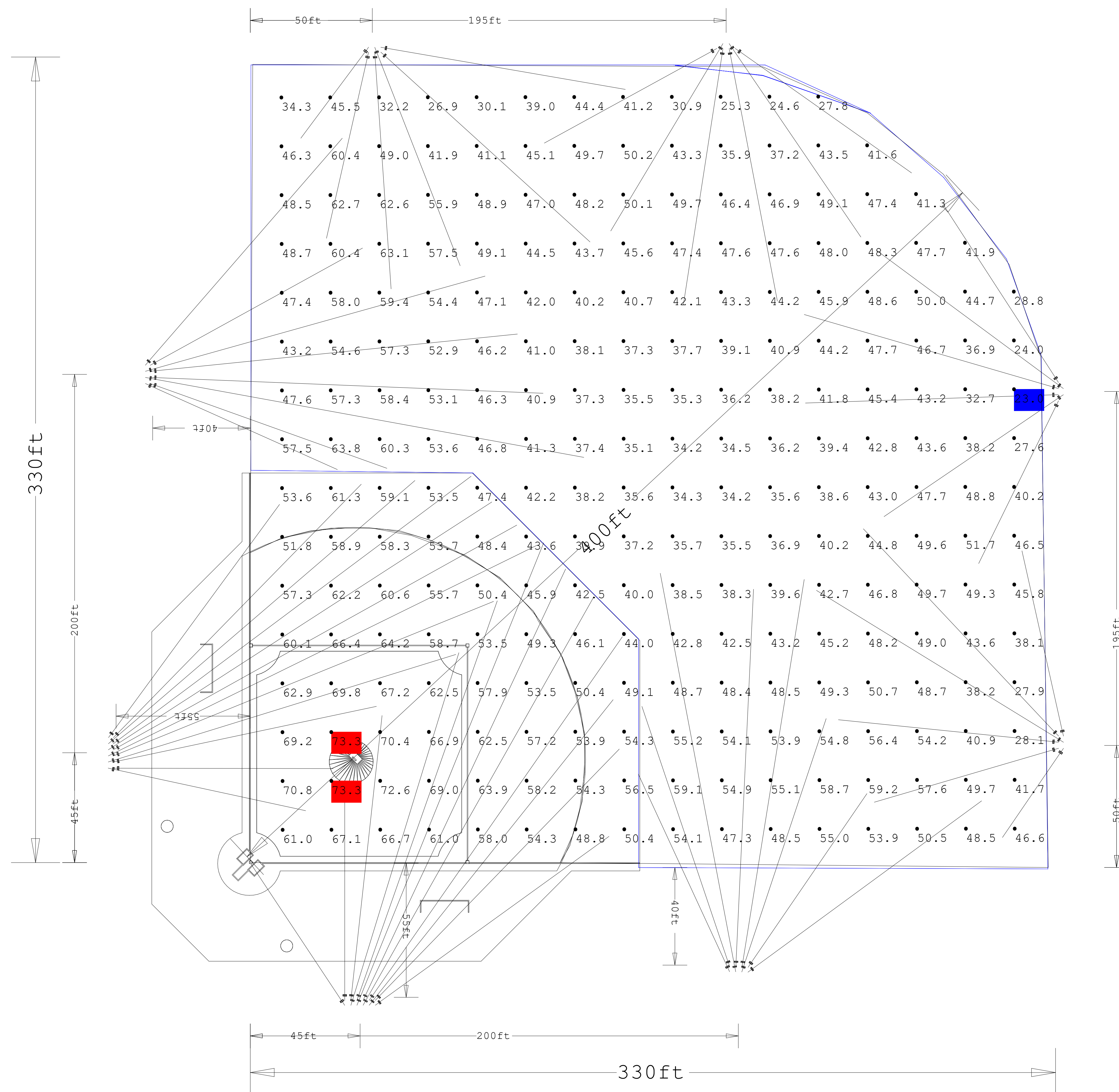
Luminaire Location Summary						
		Insertion Point				
LumNo	Label	X	Y	Z	Orient	Tilt
2	C1	33.911	182.16	80	45.628	60.821
3	C1	141.218	74.535	80	45.828	60.527
9	C1	141.223	72.535	76	35.854	56.807
11	C1	138.718	74.529	80	55.137	65.985
12	C1	138.723	72.529	76	51.382	64.35
14	C1	136.218	74.523	80	64.834	67.513
15	C1	136.223	72.523	76	60.522	68.208
17	C1	133.718	74.517	80	70.64	64.998
18	C1	133.723	72.517	76	68.008	69.415
20	C1	131.218	74.51	80	83.752	55.277
21	C1	131.223	72.51	76	72.963	62.994
23	C1	128.718	74.504	80	89.979	47.317
24	C1	128.723	72.504	76	123.559	41.651
26	C1	31.911	182.184	76	53.743	56.884
27	C1	33.88	179.66	80	36.776	66.161
28	C1	31.881	179.685	76	40.638	65.075
29	C1	33.85	177.16	80	29.108	66.873
30	C1	31.85	177.185	76	32.874	67.679
31	C1	33.819	174.661	80	22.107	64.31
32	C1	31.819	174.685	76	26.166	68.581
33	C1	33.789	172.161	80	11.945	53.56
34	C1	31.789	172.185	76	17.188	62.68
35	C1	33.758	169.661	80	359.898	47.805
36	C1	31.758	169.685	76	347.851	46.77
38	C1	286.493	88.312	80	108.643	54.12
39	C1	286.439	86.313	76	114.824	48.918
40	C1	288.992	88.244	80	87.315	62.385
41	C1	288.938	86.245	76	100.731	65.158
42	C1	291.491	88.177	80	80.875	63.271
43	C1	291.437	86.177	76	71.587	54.722
44	C1	293.99	88.109	80	55.573	46.481
45	C1	293.936	86.11	76	36.206	56.936
50	C1	49	327.25	80	340.29	51.628
51	C1	47	327.25	76	335.886	47.957
52	C1	49	329.75	80	357.688	63.31
53	C1	47	329.75	76	349.674	67.19
54	C1	49	332.25	80	5.786	61.811
55	C1	47	332.25	76	15.646	61.946
56	C1	49	334.75	80	28.887	50.591
57	C1	47	334.75	76	49.033	57.902
63	C1	138.508	463.018	80	257.25	43.605
64	C1	138.512	465.018	76	233.316	30.334
65	C1	141.008	463.013	80	273.975	49.972
66	C1	141.012	465.013	76	291.349	51.076
67	C1	143.508	463.007	80	317.796	54.881
68	C1	143.512	465.007	76	350.232	52.686
85	C1	421.257	177.814	80	196.289	43.78
86	C1	423.257	177.816	76	235.632	29.099
87	C1	421.255	180.314	80	174.189	47.959
88	C1	423.255	180.316	76	148.445	56.954
89	C1	421.253	182.814	80	133.287	55.101
90	C1	423.253	182.816	76	102.621	44.93
95	C1	281.25	464.5	80	208.71	44.519
97	C1	283.75	464.5	80	261.203	52.498
98	C1	283.75	466.5	76	239.064	49.017
99	C1	286.25	464.5	80	280.803	52.262
100	C1	286.25	466.5	76	304.27	51.014
101	C1	288.75	464.5	80	324.782	47.215
106	C1	421.211	327.676	80	122.955	46.664
108	C1	421.22	325.176	80	163.777	53.098
109	C1	423.22	325.183	76	143.509	50.78
110	C1	421.228	322.676	80	181.892	51.834
111	C1	423.228	322.683	76	214.199	48.808
112	C1	421.237	320.176	80	243.85	42.097

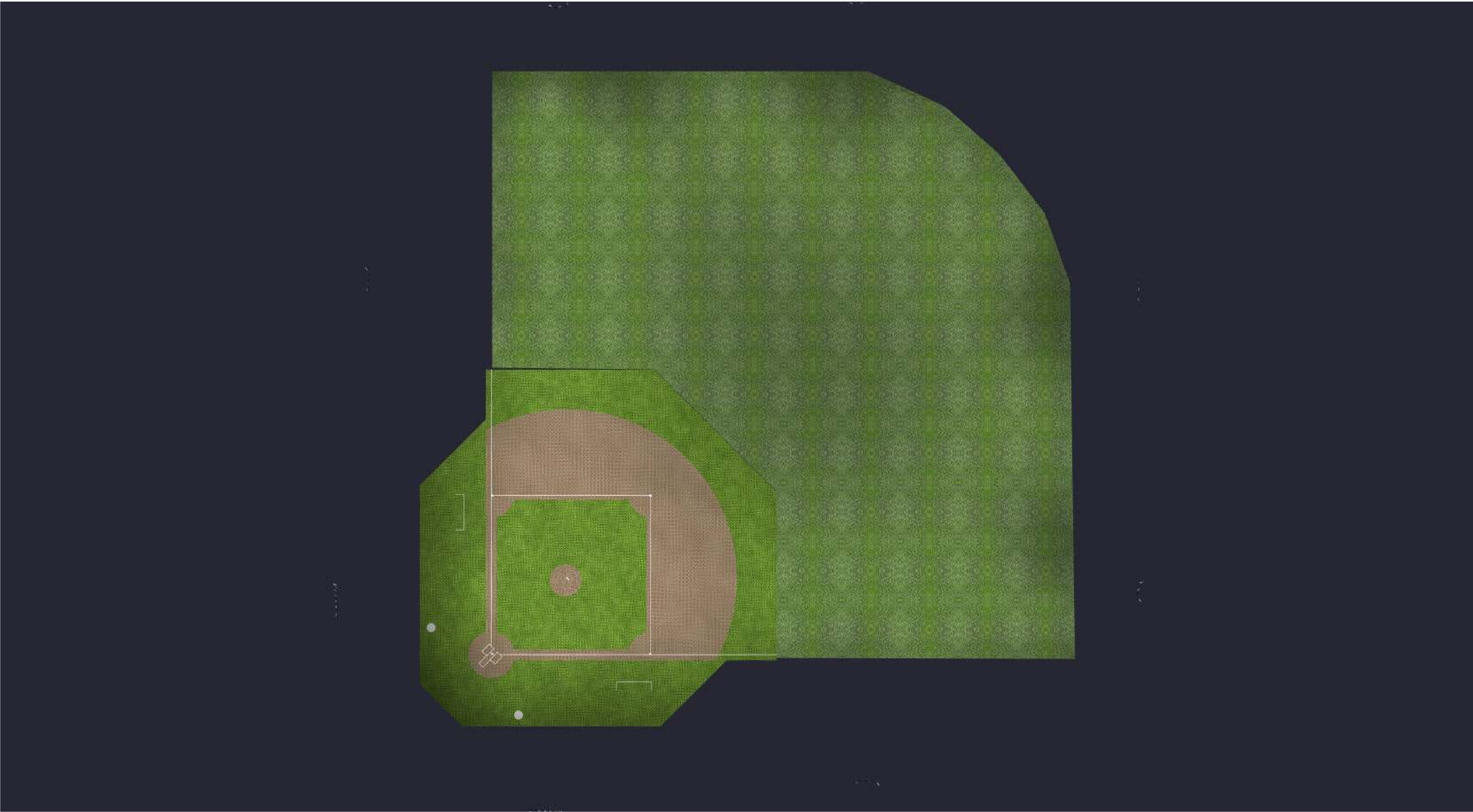
Illuminance (Fc)
Average = 61.87
Maximum = 73.3
Minimum = 49.3
Avg/Min Ratio = 1.25
Max/Min Ratio = 1.49

```

Illuminance (Fc)
Average = 45.32
Maximum = 63.8
Minimum = 23.0
Avg/Min Ratio = 1.97
Max/Min Ratio = 2.77

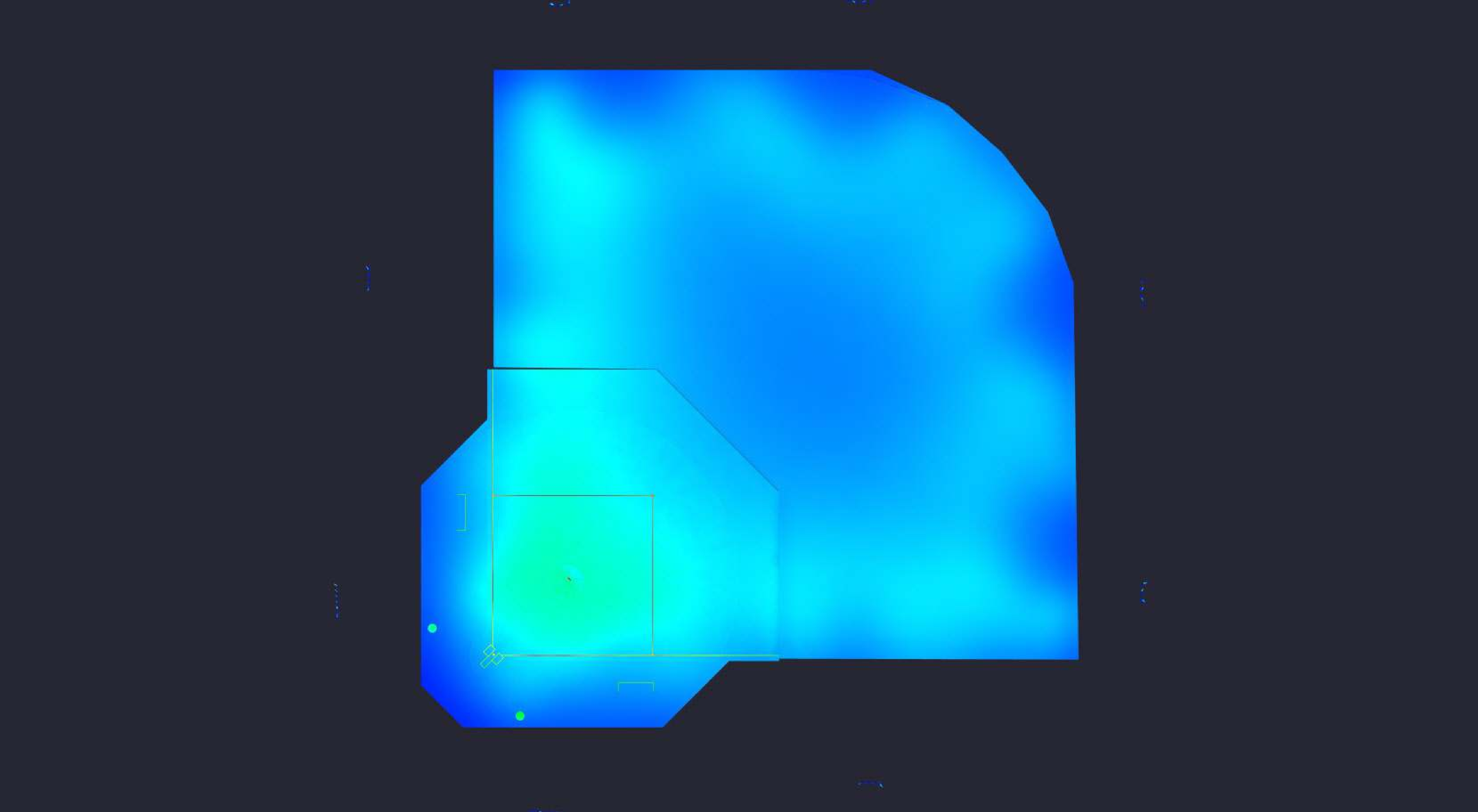
```





300' BASELINE 400' OUTFIELD 800W 60/40FTC

Date:9/16/2025
Drawn By: MS
Revision #:



300' BASELINE 400' OUTFIELD 800W 60/40FTC

Date:9/16/2025
Drawn By: MS
Revision #: