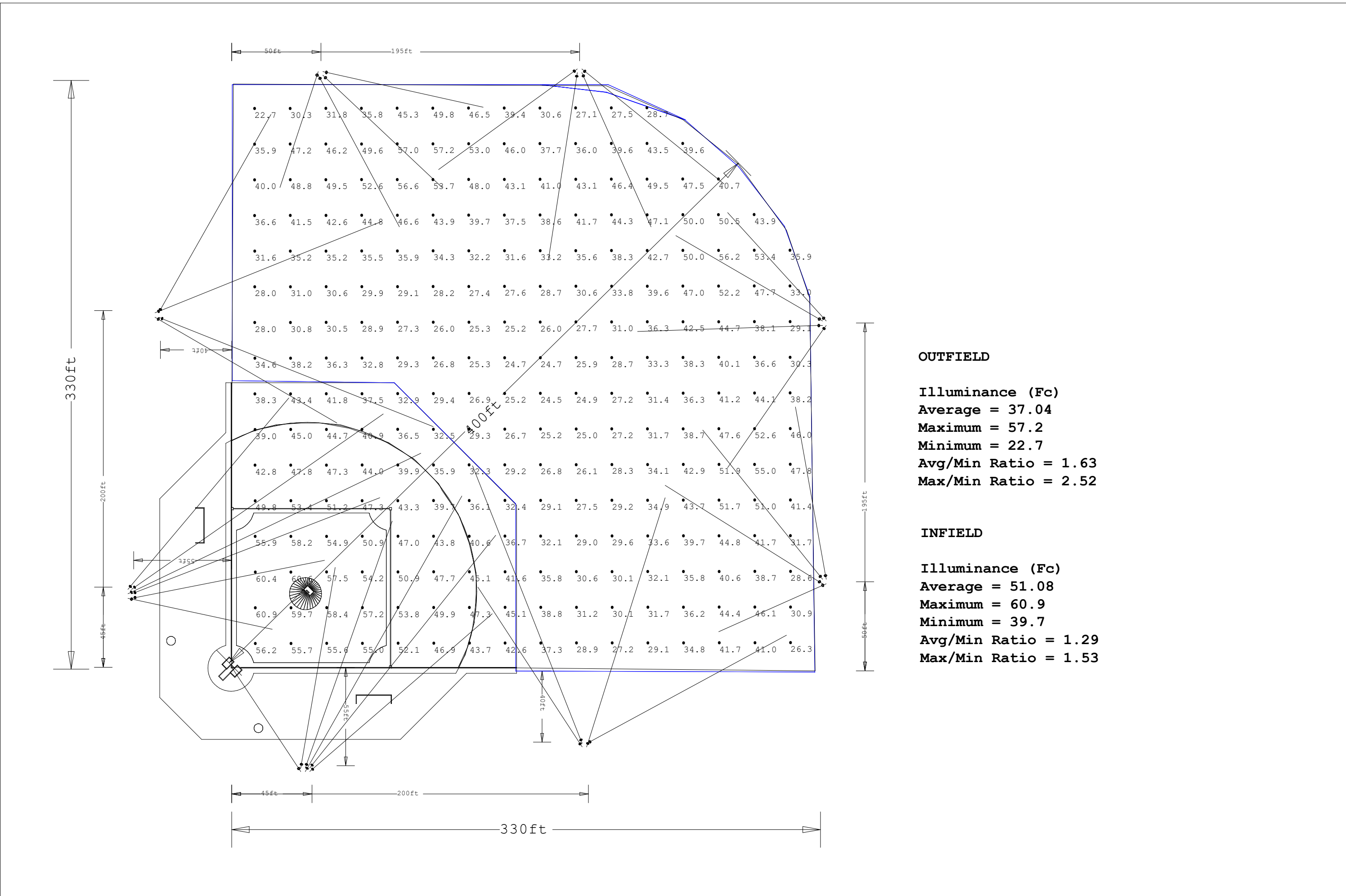




Scale: 1 inch= 48.42 Ft.

LIGHTING DETAILS:

Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Luminaire Lumens	Luminaire Watts
SP2		36	1.000	StadiumPro IV 1400W 40D	196265	1398.9

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
CalcPts_1	Illuminance	Fc	39.27	60.9	22.7	2.68
INFIELD	Illuminance	Fc	51.08	60.9	39.7	1.53
OUTFIELD	Illuminance	Fc	37.04	57.2	22.7	2.52

DESIGN NOTES:

1.
2.
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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

1400W STADIUMPRO IV SERIES | LED SPORT LIGHT

PRODUCT DESCRIPTION

The StadiumPro Series reaches new heights with the Series IV it boasts enhanced efficiency, delivering an impressive 150 Lumens per watt. Equipped with top-of-the-line aPowerTek Drivers, it offers versatile mounting options and advanced optics. The Stadium Pro IV is UL Listed and DLC Premium S-1 Certification. This upcoming fall, solidifying its status as the Pinnacle of sports lighting!

DLC # ROL-STADIUMPRO-4-1400W-1P25A1

PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL, UL4, DLC S-1 premium certification
- Wattage adjustable
- Input voltage 120-277 VAC
- 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 mode can be adjusted through output cable with 0-10V.
- Gymnasium
- Square plaza
- Highway, Airport, wharf
- High mast and Colour lighting, etc.

PRODUCT DIMENSIONS

Legendary USA Support

1400W STADIUMPRO IV SERIES | LED SPORT LIGHT

PRODUCT TECHNICAL SPECIFICATIONS

Input Power (Tolerance: ±5%)	1400W (Output Adjustable Range 25%-100%)
Color Temperature	4800K 4500K 5000K 5700K
Lumen (Tolerance: ±10%)	19400LM 19600LM 20000LM 20700LM
Efficiency (Tolerance: ±5%)	141 LM/W 142 LM/W 143LM/W 144 LM/W
CRI	≥90
Color Consistency	±3 Steps (at ±500M)
Beam	80°x120°
Distribution Pattern	NEMA 4
Beam Angle (20% Tolerance: ±15%)	40°
Input Voltage and Frequency	120-277 VAC 50/60Hz
PF (Tolerance: ±3%)	0.99
THD (Tolerance: ±5%)	20%
Flicker Percent	≤5%
Driver Brand	Chip-on-board
Driver Model	860-350-C210-EN2-A00000-WPES
Driver Suppression	UL916, 100V, 1500mA
Dimming	0-10V dimming (optional)
Beam Type	Longitudinal, Transverse, Symmetrical, Asymmetrical, Beam
Optional Accessories	Service Replacement, Photocell, Sensor, Rainproof, Short Cap, Sensor, Remote Control
LED Brand	Epistar
LED Type	8603050
LED SFP	120 PCS
Housing	Die-cast aluminum
Housing Color	Black, White, or Customized
Waterproof Rating	IP65 (IP68)
Operating Temperature	-20°C to 40°C
Storage Temperature	-40°C to 80°C
Operating Humidity	90% to 95%
Storage Humidity	95% to 98%
Warranty	5 years

PRODUCT MOUNTS & ACCESSORIES

FM AM

1400W STADIUMPRO IV SERIES | LED SPORT LIGHT

PHOTOMETRICS & DLC PRODUCT SPEC

Luminaire Property

Luminaire Manufacturer: Legendary USA
Luminaire Category: Stadium Pro
Lamp Catalog: LED
Number of Lamps: 1
Luminous Length (mm): 196.0
Luminous Width (mm): 196.0
Luminous Height (mm): 196.0
Voltage: 120-277 V
Current: 11.76 A
Power Factor: 0.99

Photometric Results

IES Classification: Type I
Total Rated Lamp Lumens: 199622.8 lm
Efficiency: 100%
General Efficacy: 144 lm/W
C09 Intensity: 534103.19 cd
Top of Mast Intensity: 1425.9 cd
Beam Angle(C0/C180,C20/C270,C45/C225,C135/C315): 24.2°, 24.3°, 24.2°, 24.2°

Longitudinal Classification: Very Short
Measurement Plane: 199622.8 lm
Downward Ratio: 100%
Luminaire Efficacy Rating (LER): 144 lm/W
Max. Intensity: 534103.19 cd

Luminous Intensity Distribution Curve

The Average Illuminance Effective Figure

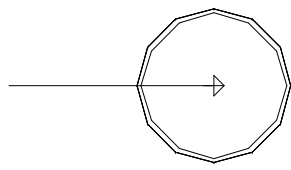
Legendary USA Support

TYPE SP2



RENDERING

LIGHTING DETAILS:

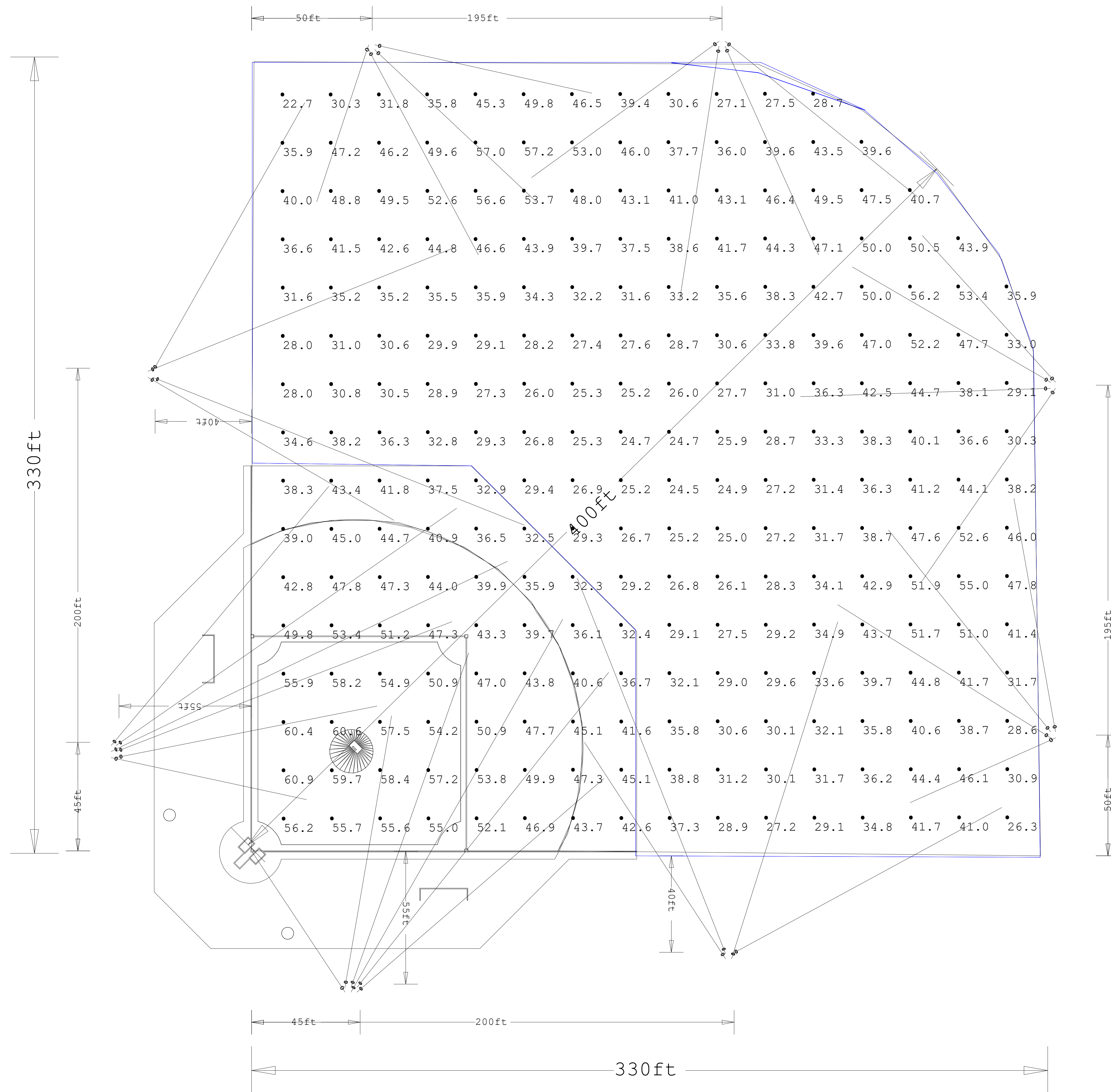
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INFIELD	Illuminance	Fc	51.08	60.9	39.7	1.53
OUTFIELD	Illuminance	Fc	37.04	57.2	22.7	2.52

DESIGN NOTES:

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

Luminaire Location Summary						
		Insertion Point				
LumNo	Label	X	Y	Z	Orient	Tilt
17	SP2	133.718	74.517	80	51.368	64.138
18	SP2	133.723	72.517	76	40.864	60.3
20	SP2	131.218	74.51	80	70.596	61.085
21	SP2	131.223	72.51	76	60.396	66.607
23	SP2	128.718	74.504	80	80.274	54.495
24	SP2	128.723	72.504	76	123.559	41.651
31	SP2	33.819	174.661	80	34.859	64.806
32	SP2	31.819	174.685	76	49.958	61.188
33	SP2	33.789	172.161	80	21.144	61.487
34	SP2	31.789	172.185	76	25.639	67.126
35	SP2	33.758	169.661	80	11.152	53.554
36	SP2	31.758	169.685	76	347.851	46.77
38	SP2	286.493	88.312	80	111.553	64.187
39	SP2	286.439	86.313	76	123.088	54.115
40	SP2	288.992	88.244	80	28.477	57.469
41	SP2	288.938	86.245	76	72.501	62.264
50	SP2	49	327.25	80	338.311	63.96
51	SP2	47	327.25	76	329.848	56.759
52	SP2	49	329.75	80	60.477	57.557
53	SP2	47	329.75	76	21.976	60.613
63	SP2	138.508	463.018	80	298.151	49.727
64	SP2	138.512	465.018	76	251.693	41.179
65	SP2	141.008	463.013	80	316.753	48.357
66	SP2	141.012	465.013	76	347.462	49.879
85	SP2	421.257	177.814	80	147.983	51.917
86	SP2	423.257	177.816	76	203.99	40.081
87	SP2	421.255	180.314	80	128.787	52.791
88	SP2	423.255	180.316	76	100.119	51.694
97	SP2	283.75	464.5	80	261.203	52.498
98	SP2	283.75	466.5	76	216.005	51.077
99	SP2	286.25	464.5	80	294.131	49.231
100	SP2	286.25	466.5	76	321.035	52.922
108	SP2	421.22	325.176	80	149.815	49.333
109	SP2	423.22	325.183	76	132.239	46.521
110	SP2	421.228	322.676	80	181.892	51.834
111	SP2	423.228	322.683	76	235.274	51.326



OUTFIELD

Illuminance (Fc)
Average = 37.04
Maximum = 57.2
Minimum = 22.7
Avg/Min Ratio = 1.63
Max/Min Ratio = 2.52

INFIELD

Illuminance (Fc)
Average = 51.08
Maximum = 60.9
Minimum = 39.7
Avg/Min Ratio = 1.29
Max/Min Ratio = 1.53

