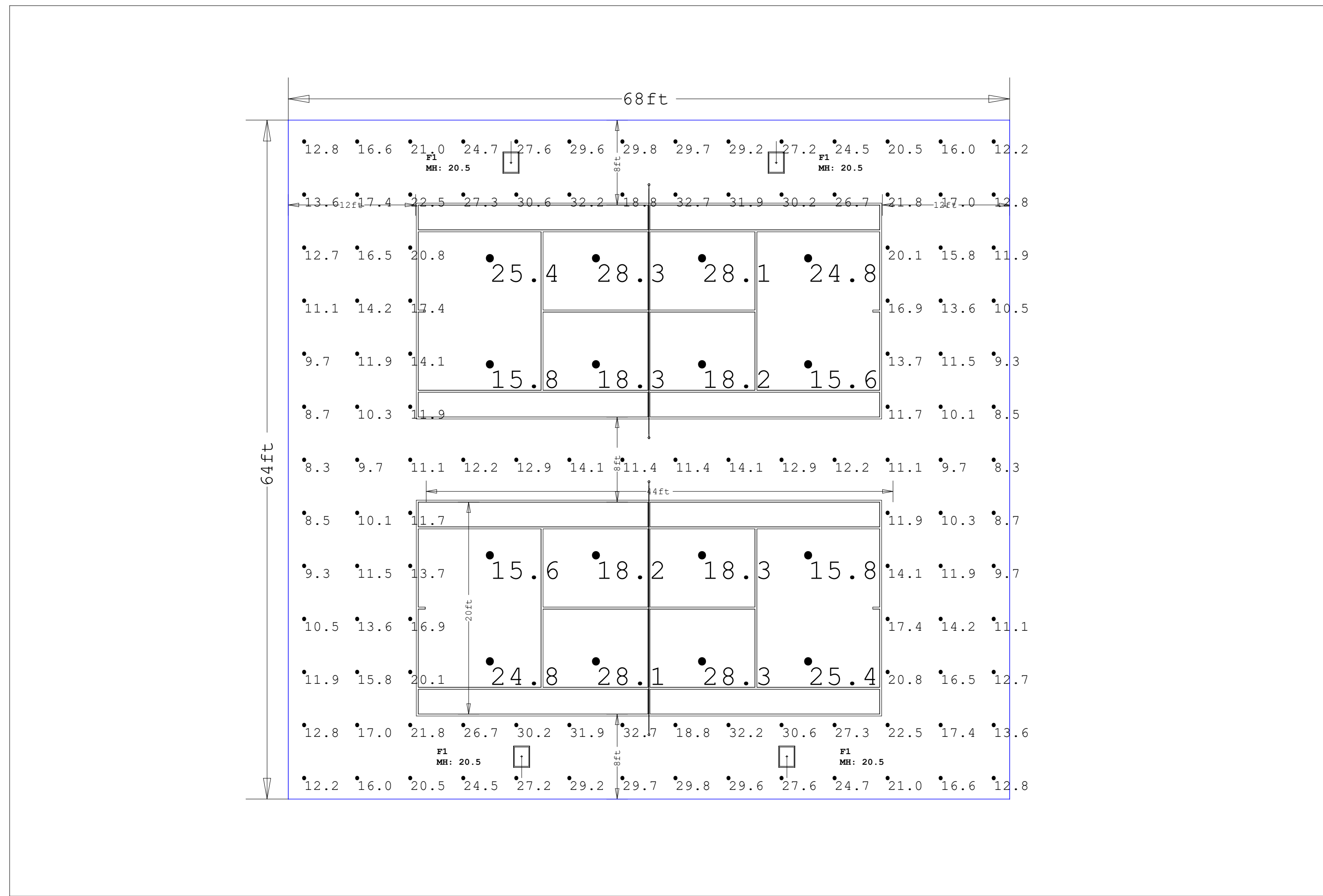


SPEC SHEET & RENDERS

TYPE F1



Scale: 1 inch= 8.00 Ft.

LIGHTING DETAILS:

Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Arrangement	Arrangement Luminaire Lumens
F1		4	1.000	NextGen IV 300W	Single	42839

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Grid Z
PAD_Top_1	Illuminance	Fc	17.79	32.7	8.3	-0.1
Tennis Court_1_Surface_1	Illuminance	Fc	21.81	28.3	15.6	0
Tennis Court_Surface_1	Illuminance	Fc	21.81	28.3	15.6	0

DESIGN NOTES:

- NextGen 300W
- 20' pole
- Tenon top pole for slip fit mount
- Full cutoff optics

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.

300W NextGen IV Series | LED SHOEBOX LIGHT

PRODUCT DESCRIPTION
The Top Rated NextGen Series Gets Better! The NextGen IV Series has 140+ Lumens per Watt, bigger VFD driver and is IES E-13 Premium Rated. New pro optics. Compartment for fast access and optional easy level in Motion Sensor that can be programmed by a remote.

PRODUCT FEATURES & COMMON USE APPLICATIONS

- Lumileds Chip, high CRI
- Input voltage 120-277VAC
- Output constant current level call be adjusted through output cable with 0-100%
- No UV or IR in the beam
- Easy to install and operation
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO flickering, NO humming
- Green and eco-friendly without mercury
- Outdoor basketball court, tennis court
- Recreation court, the football field
- The school playground, stadium
- Community leisure-entertainment plaza, road lamp, etc.

PRODUCT DIMENSIONS

300W NextGen IV Series | LED SHOEBOX LIGHT

PRODUCT TECHNICAL SPECIFICATIONS

Input Power (Maximum)	300W	300W	300W
Color Temperature	3000K	4000K	5000K
Current (Maximum)	1.5A	2.0A	2.5A
Efficiency (Minimum)	130lm/W	140lm/W	150lm/W
CRF	90	90	90
Color Consistency	±7 Steps for 7 SDCMs		
Beam Angle	60°/45°/30°		
Beam Angle (50%) Tolerance	±10%		
Beam Spacing and Frequency	120/240/360		
PF (Minimum)	0.95		
LED (Maximum)	4000		
Driver Model	NextGen IV Series		
Driver Input Protection	120V AC, 120V AC		
Driver Output Protection	15-30V DC, 10A		
Driver Life	50,000 Hours		
Optional Accessory	Photometric, Bi-directional Device, DC Motion-Measurement, On-board PM Filter, optional Infrared, wireless app		
LED Brand	Lumileds		
LED Type	SM3535		
LED Qty	4000/4000		
Mounting	Drop-in aluminum		
Mounting Color	Black, Black or Customized		
EPA	10000		
Electrical Rating	1000V, 1000V		
Operating Temperature	Without Motion Sensor: -40°C TO 50°C, With Motion Sensor: -30°C TO 50°C		
Storage Temperature	-40°C TO 80°C		
Operating Humidity	10% TO 90%		
Change Humidity	10% TO 90%		
Warranty	5 years		

PRODUCT MOUNTS & ACCESSORIES

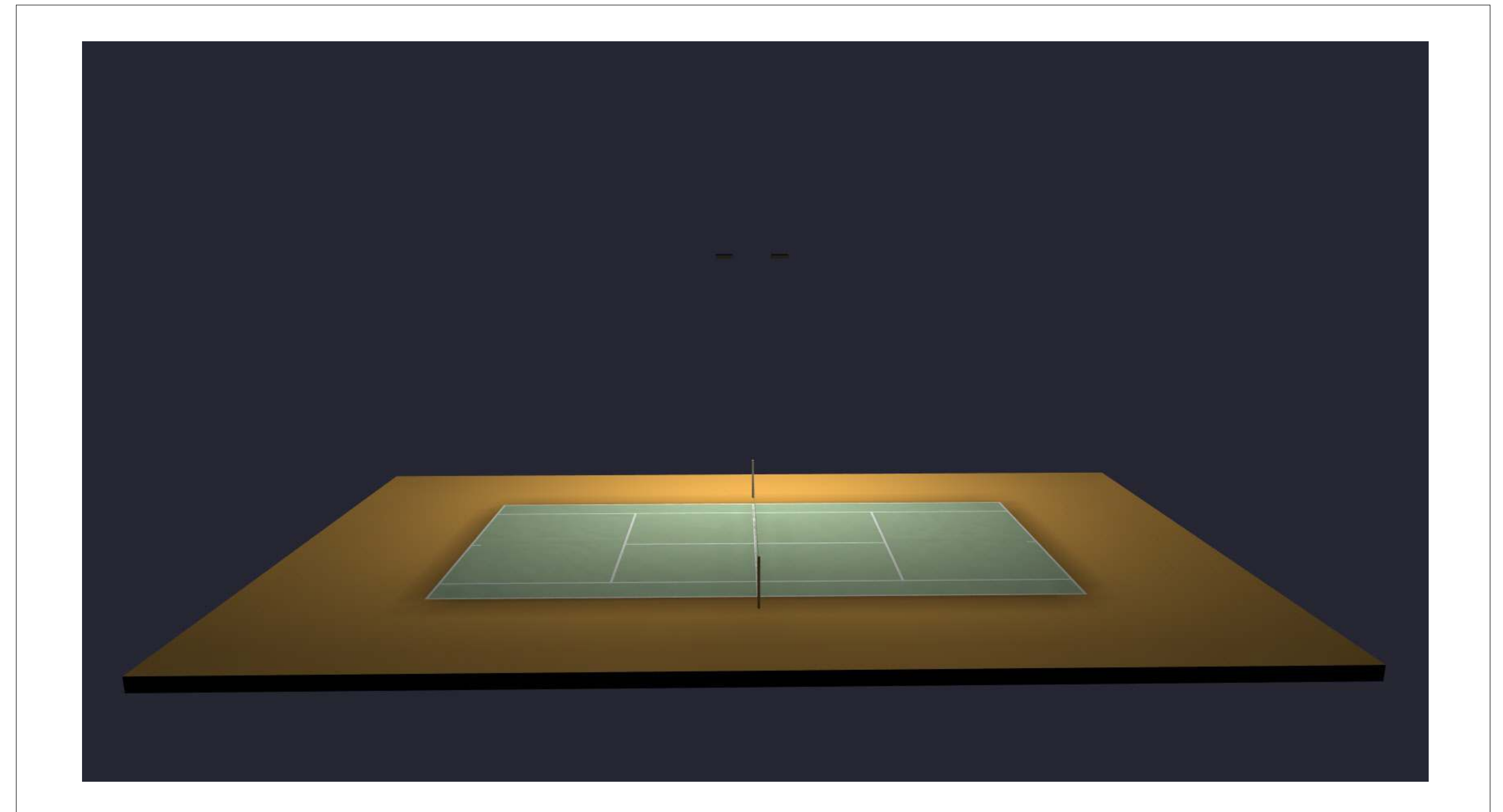
RuggedGrade Straight Square Steel Light Poles, 4" and 5"

The Straight Square Steel poles are built from high strength steel using advanced techniques to ensure long life and performance. The poles are designed to meet or exceed all applicable codes and standards. The poles are available in 4" and 5" diameters. The poles are available in 20' and 25' heights. The poles are available in 10' and 15' spacing. The poles are available in 10' and 15' spacing. The poles are available in 10' and 15' spacing.

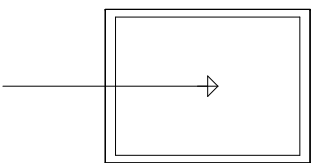
Specifications and Features: Pole

- Material: A500 Grade B Minimum Yield Strength of 45,000 PSI
- Finish: Powder Coated
- Anchor Bolt: Anchor Bolt are included, standard for the pole. The anchor bolt is included for the pole.
- Head Hole: Can be used for mounting other accessories.
- Base Cover: Poles are provided with a base cover. The base cover is included for the pole.
- Pole Length: Poles are available in 20' and 25' lengths. The poles are available in 20' and 25' lengths.
- Mounting Options: Poles are available in 10' and 15' spacing. The poles are available in 10' and 15' spacing.

Contact Information: 888-953-2476 or Sales@RuggedGrade.com



RENDERING

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Description	LLF	Lumens	Watts
	4	F1	Single	NextGen IV 300W	1.000	42839	297.43

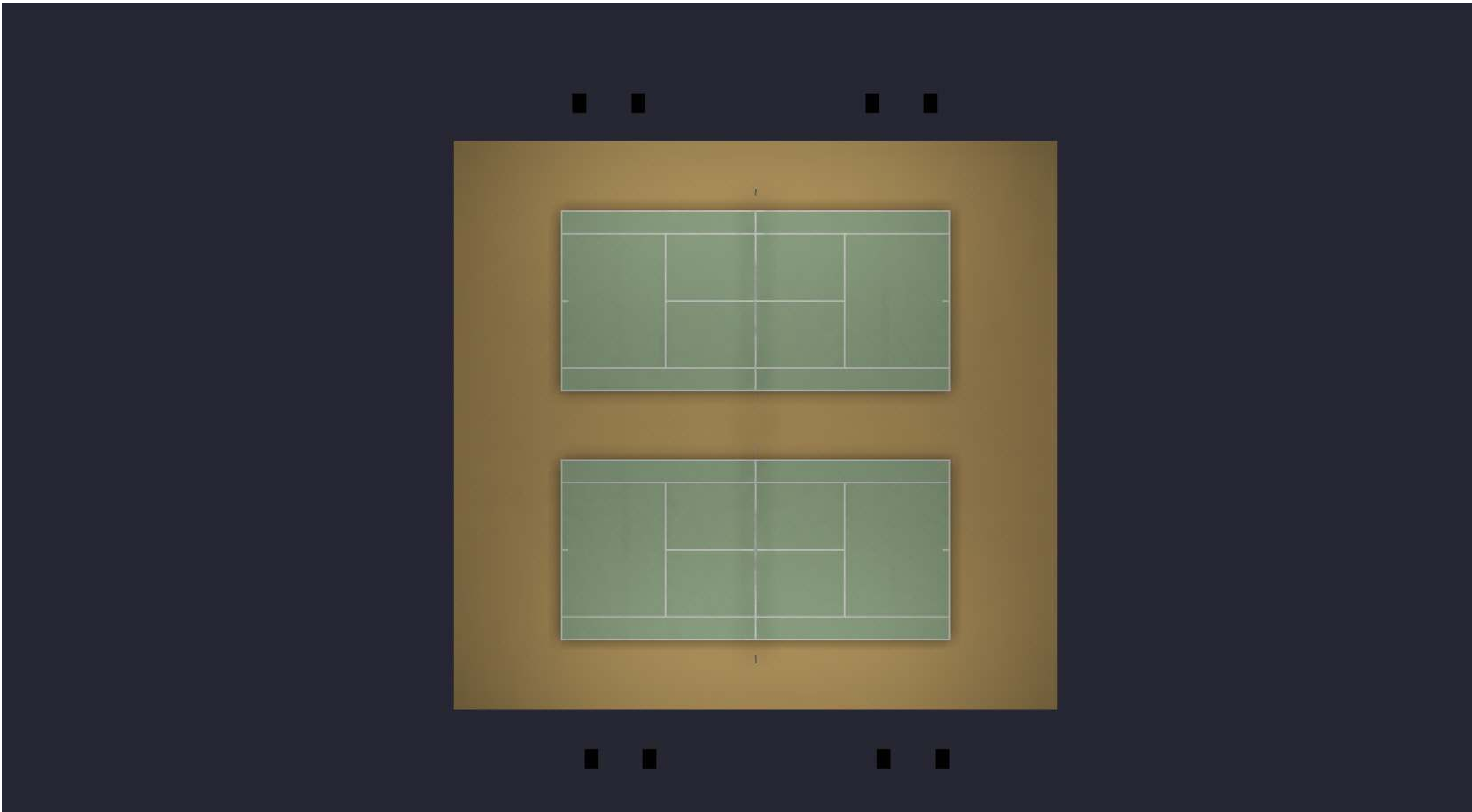
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAD_Top_1	Illuminance	Fc	17.79	32.7	8.3	2.14	3.94
Tennis Court_1_Surface_1	Illuminance	Fc	21.81	28.3	15.6	1.40	1.81
Tennis Court_Surface_1	Illuminance	Fc	21.81	28.3	15.6	1.40	1.81

Expanded Luminaire Location Summary									
LumNo	Label	Insertion Point			Luminaire Coordinates			Orient	Tilt
		X	Y	Z	X	Y	Z		
1	F1	21	62	20.5	21	60	20.5	270	0
2	F1	22	2	20.5	22	4	20.5	90	0
3	F1	46	62	20.5	46	60	20.5	270	0
4	F1	47	2	20.5	47	4	20.5	90	0

Object Summary		
Label	Type	Description
PAD	Rect-Flat	64' X 68' RED CLAY PAD
Tennis Court	Group	RESIZED TO 44'; X 20' PICKLBALL
Tennis Court1	Group	RESIZED TO 44'; X 20' PICKLBALL



70 x 40 Pickleball Template

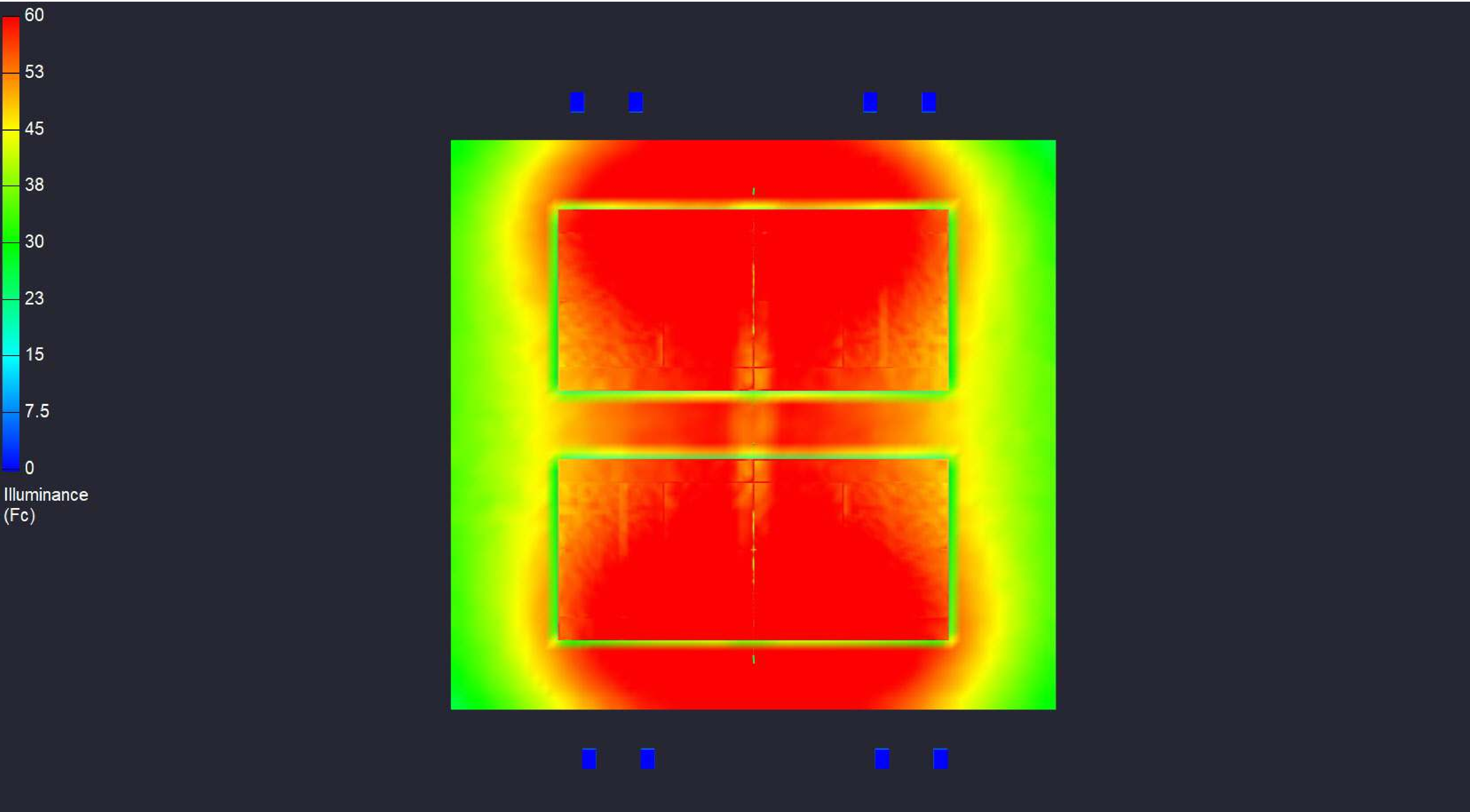


70 x 40 Pickleball Template

Date: 8/25/2025

Drawn By: MS

Revision #:



70 x 40 Pickleball Template

Date: 8/25/2025

Drawn By: MS

Revision #: