

Scale: 1 inch= 5.33 Ft.

LIGHTING DETAILS:

Luminaire Schedule						
Label	Symbol	Qty	LLF	Description	Arrangement	Arrangement Luminaire Lumens
F1		1	1.000	NextGen 4 300W T3	Twin	85678

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Grid Z
PAD_Top_1	Illuminance	Fc	12.73	40.8	2.8	-0.1
Tennis Court_Surface_1	Illuminance	Fc	19.64	30.1	12.0	0

DESIGN NOTES:

1. NextGen 300 watt
2. 2 Head bull horn for slip fit mount fixtures
3. 20' pole
4. Full cut off 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.

SPEC SHEET & RENDERS

TYPE F1

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 E.C. 5. Premium Rated Now you have a compartment for fast access and optional easy twist Motion Sensor that can be programmed by a remote.

PRODUCT TECHNICAL SPECIFICATIONS

Input Power (Wattage)	300W
Color Temperature	5000K
Current (Amperage)	1.4A
Efficiency (lm/watt)	140+ lm/watt
Beam Angle	120°
Color Consistency	±3 SDCM
Beam Spread	7.5' @ 20' H
Beam Diameter	1.5' @ 20' H
Beam Angle (50%)	120°
Beam Angle (75%)	120°
Beam Angle (90%)	120°
Beam Angle (100%)	120°
Beam Angle (110%)	120°
Beam Angle (120%)	120°
Beam Angle (130%)	120°
Beam Angle (140%)	120°
Beam Angle (150%)	120°
Beam Angle (160%)	120°
Beam Angle (170%)	120°
Beam Angle (180%)	120°
Beam Angle (190%)	120°
Beam Angle (200%)	120°
Beam Angle (210%)	120°
Beam Angle (220%)	120°
Beam Angle (230%)	120°
Beam Angle (240%)	120°
Beam Angle (250%)	120°
Beam Angle (260%)	120°
Beam Angle (270%)	120°
Beam Angle (280%)	120°
Beam Angle (290%)	120°
Beam Angle (300%)	120°

PRODUCT FEATURES & COMMON USE APPLICATIONS

- Lumens Chip, High CRI
- Output constant current lower cable
- No UV or IR in the beam
- Easy to install and operate
- Energy saving, long lifespan
- Light is soft and uniform, safe to eyes
- Instant start, NO Flickering, NO humming
- Green and eco-friendly without mercury

PRODUCT DIMENSIONS

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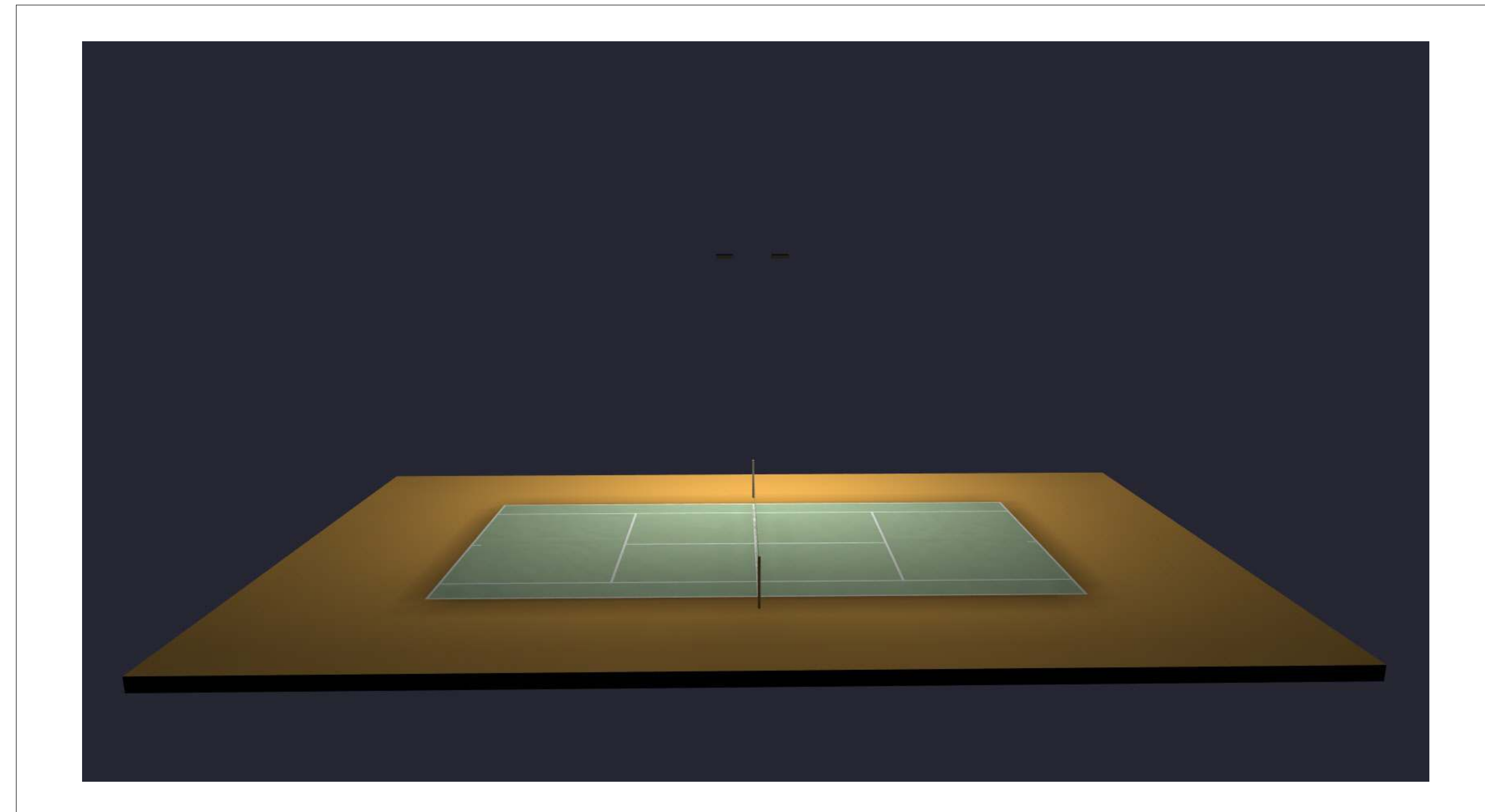
Straight Square Steel Light Poles, 4\"/>

The Straight Square Steel poles are built from high strength steel tubing and are available in 4\"/>

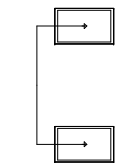
Specifications and Features:

- Finish:** Powder Coated (RAL 7035) or Galvalume
- Anchor Bolt:** 1/2\"/>
- Head Hole:** 1/2\"/>
- Base Cover:** 1/2\"/>
- Flange Dimensions:** 4\"/>
- Flange Base Cover Size:** 4\"/>
- Flange Positioning:** 4\"/>
- Flange Size:** 4\"/>

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



RENDERING

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	Description	LLF	Lumens	Watts
	1	F1	Twin	NextGen 4 300W T3	1.000	42839	297.43

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PAD_Top_1	Illuminance	Fc	12.73	40.8	2.8	4.55	14.57
Tennis Court_Surface_1	Illuminance	Fc	19.64	30.1	12.0	1.64	2.51

Expanded Luminaire Location Summary									
		Insertion Point			Luminaire Coordinates				
LumNo	Label	X	Y	Z	X	Y	Z	Orient	Tilt
1	F1	35	38	21.5	37.5	36	21.5	270	0
1	F1	35	38	21.5	32.5	36	21.5	270	0

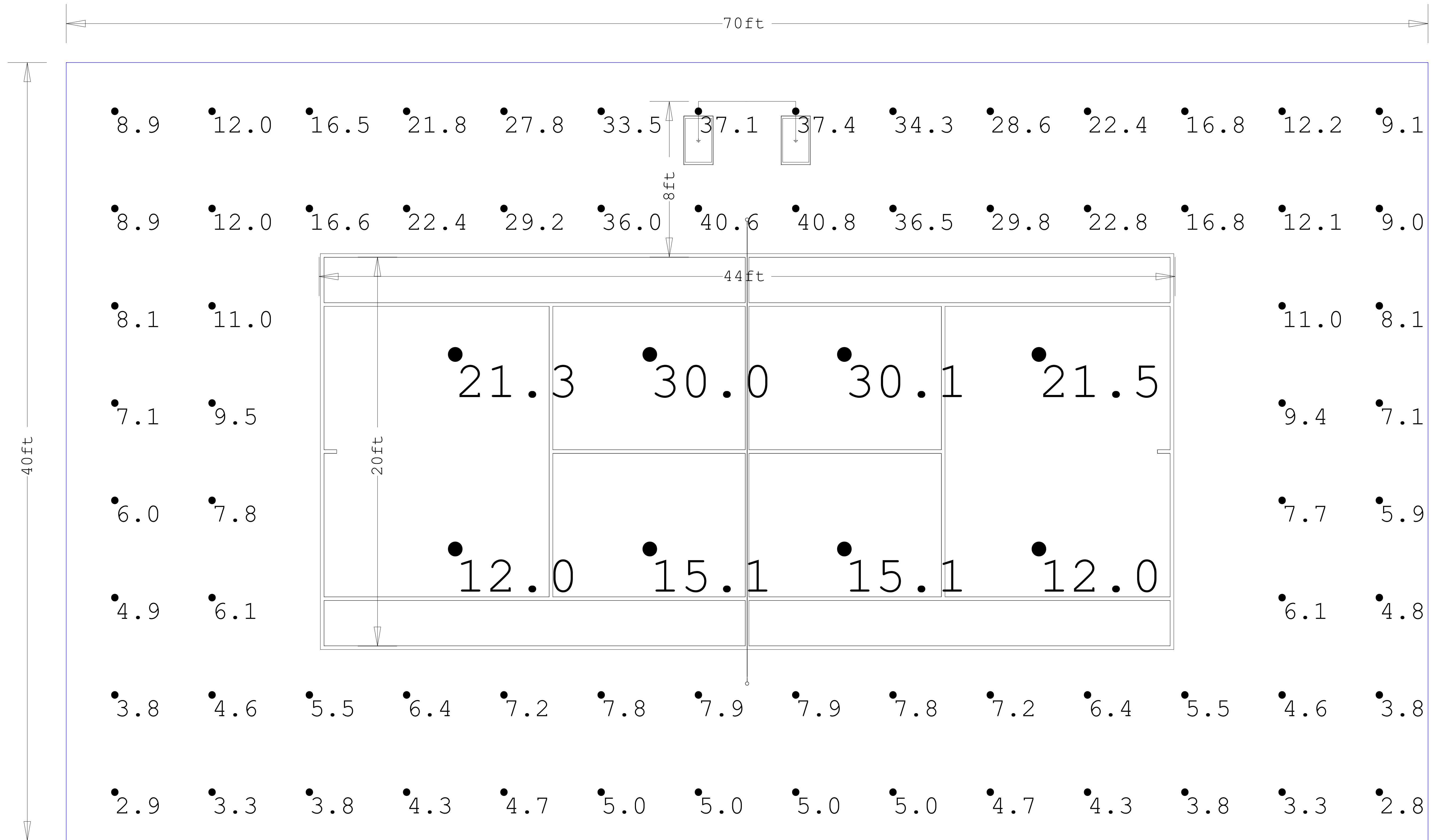
Object Summary		
Label	Type	Description
PAD	Rect-Flat	70' x 40' RED CLAY PAD
Tennis Court	Group	RESIZED TO 44'; X 20' PICKLBALL

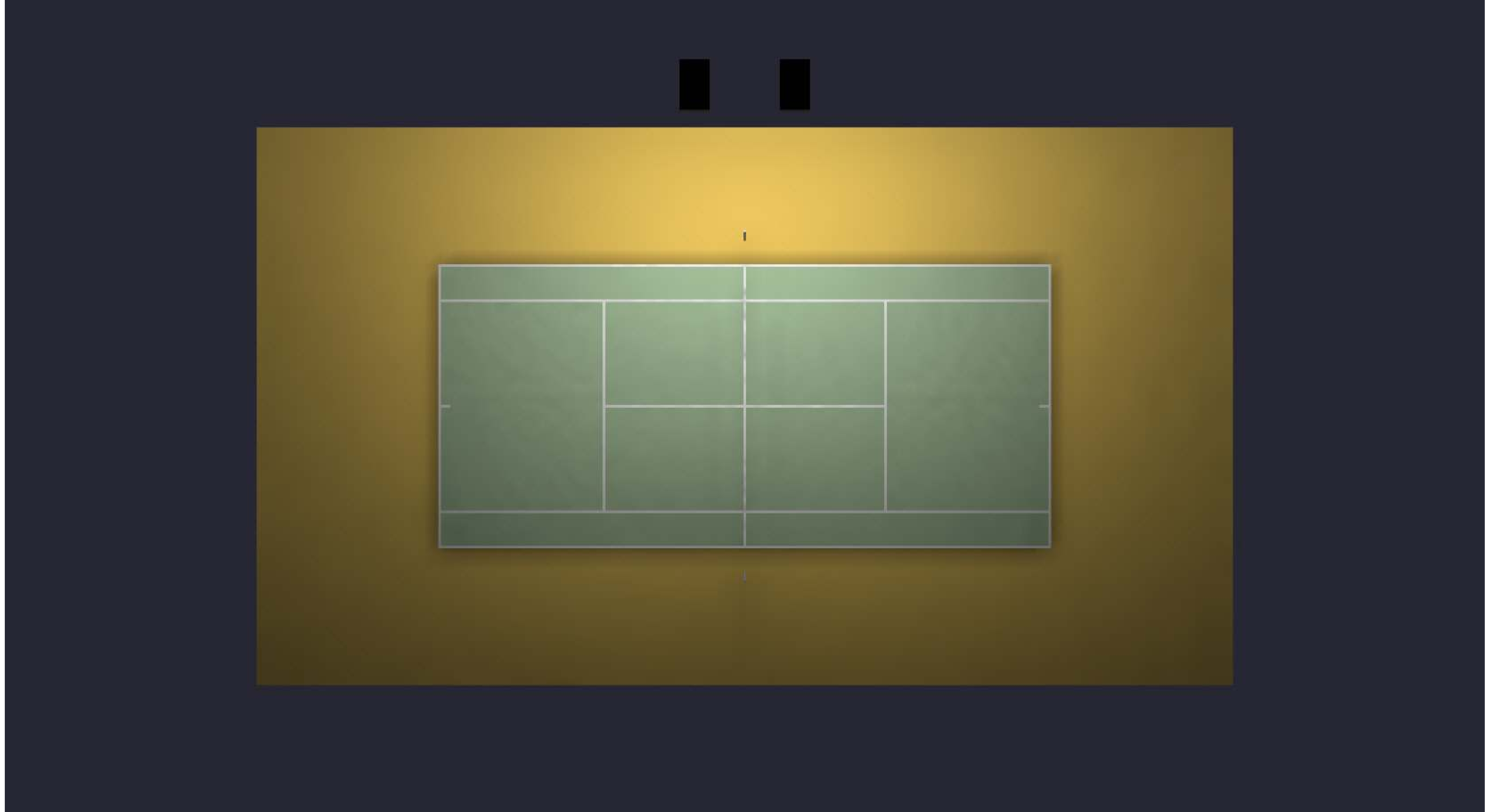
70 x 40 Pickleball Template

Date: 8/25/2025

Drawn By: MS

Revision #:



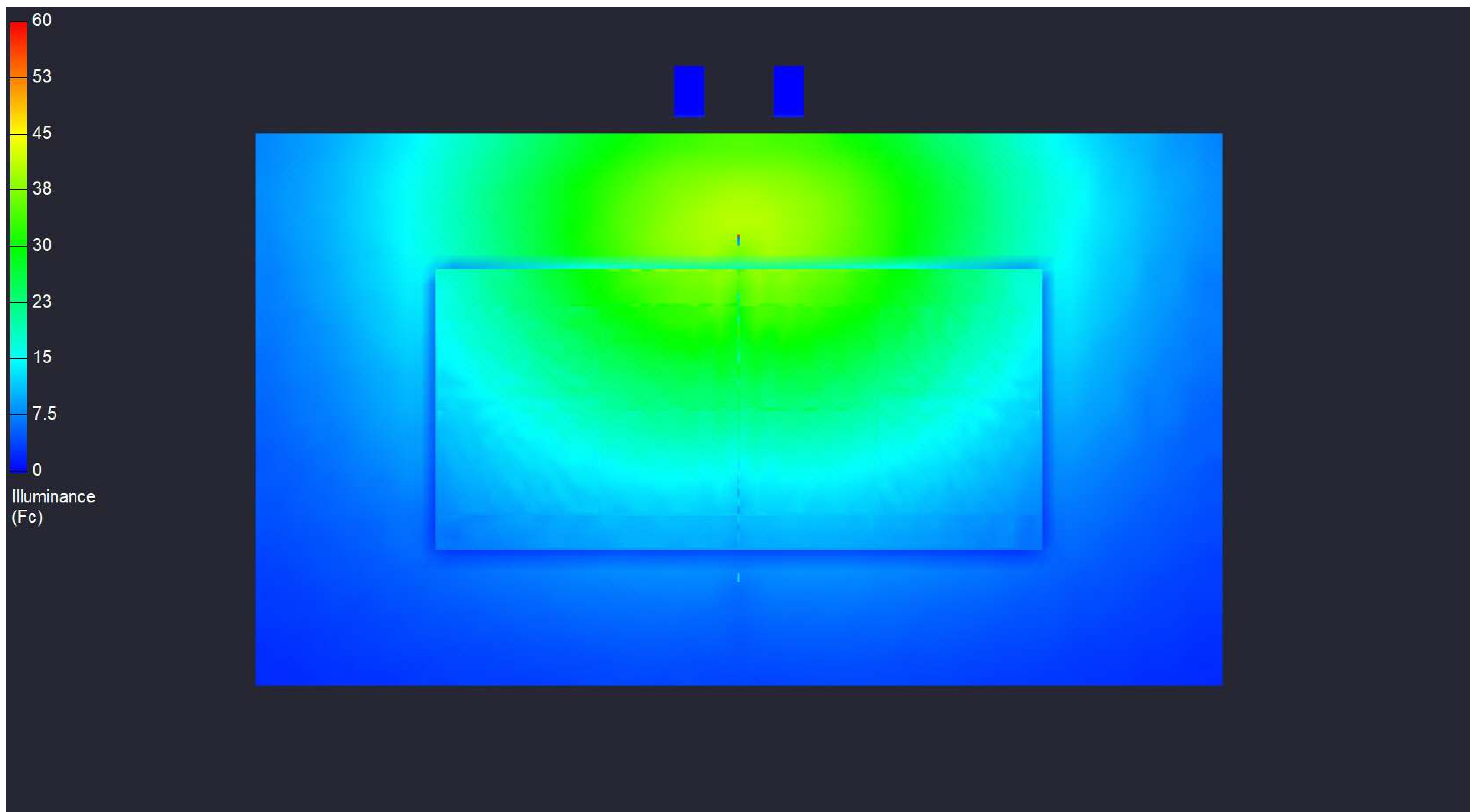


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Revision #:

70 x 40 Pickleball Template



70 x 40 Pickleball Template