Lighting Design Notes:

Requirements To Be Met:

- AS 2560.1-2018 Sports Lighting - General Principles
- AS 2560.2:2021 Sports Lighting - Specific Applications

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	U-1	U-2
PPA	Illuminance	Lux	215.79	248.9	165.3	0.77	0.66
TPA	Illuminance	Lux	189.43	257.6	50.2	0.27	0.19

Pole Mounting Height

- 4 x 8m poles.

Lux & Uniformity Requirement

- PPA 250 Lux & U1 = 0.60 & U2 = 0.30
- TPA 150 Lux & U1 = 0.20 & U2 = 0.10
  as per the minimum requirement on table 2.11.1 - LTPs for outdoor tennis - Recreational and residential

Maintenance Factor

- The maintenance factor of 0.85 has been calculated using the lumen depreciation factor calculated from the L70 data results and the luminaire dirt depreciation factor assumed to be 0.95. This LLF is based on the fact that it is assumed the fields will be used for a total of approximately 21,400 hours, equating to just over 20 years (assuming 20 hours/week for 52 weeks a year).

Site Dimensions

- Standard site dimensions shown.

Luminaire Location Summary			
LumNo	Label	Tilt	Mounting Height
1	IWE-TCL-240W	0	8
2	IWE-TCL-240W	0	8
3	IWE-TCL-240W	0	8
4	IWE-TCL-240W	0	8

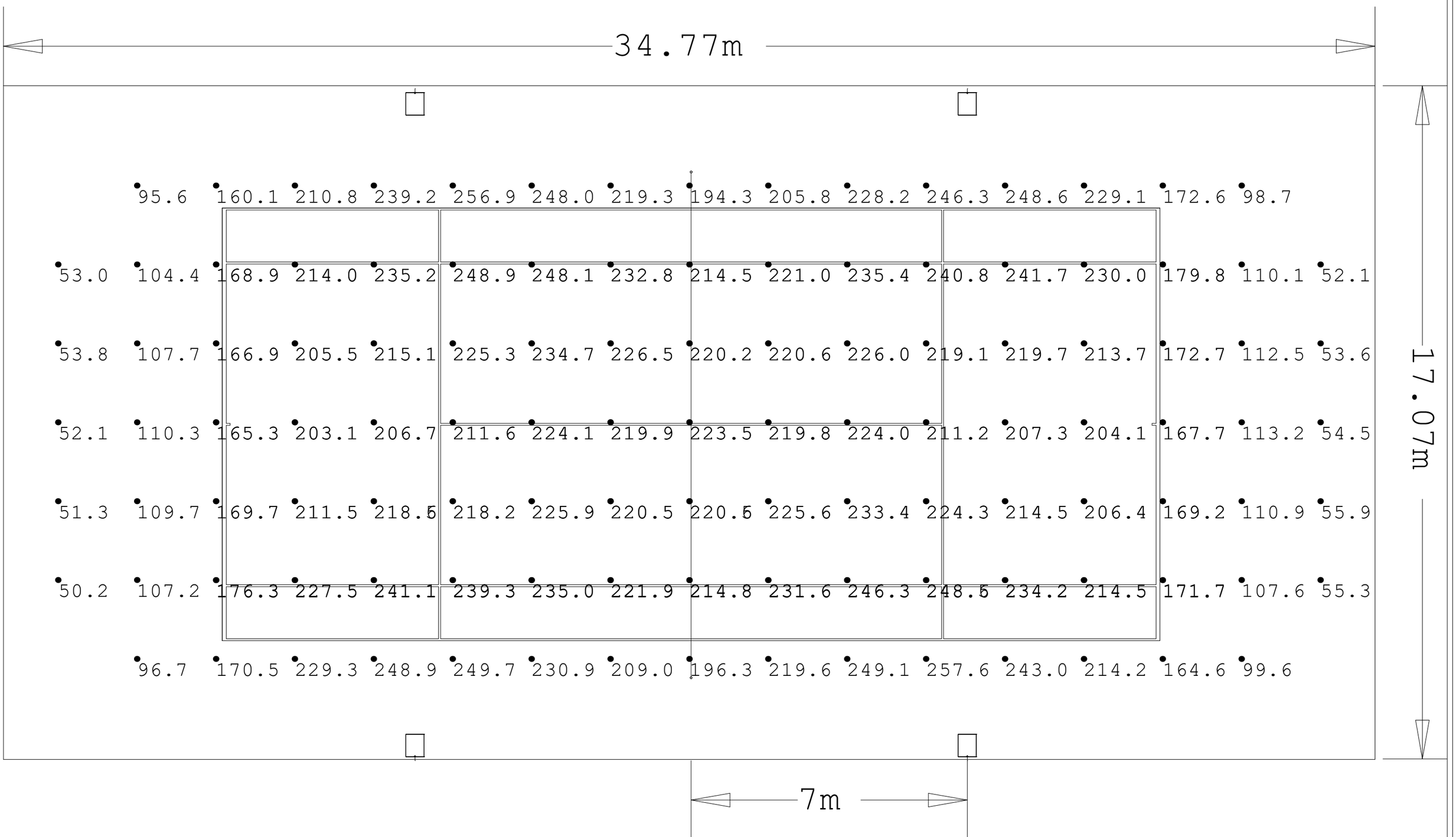
Luminaire Schedule			
Qty	Label	LLF	Description
4	IWE-TCL-240W	0.850	

Lighting Design Prediction

Site - TCL Sample Design
Recreational and residential

Rev	Description	Designer	Date	Rev	Description	Designer	Date

IWE LIGHTING

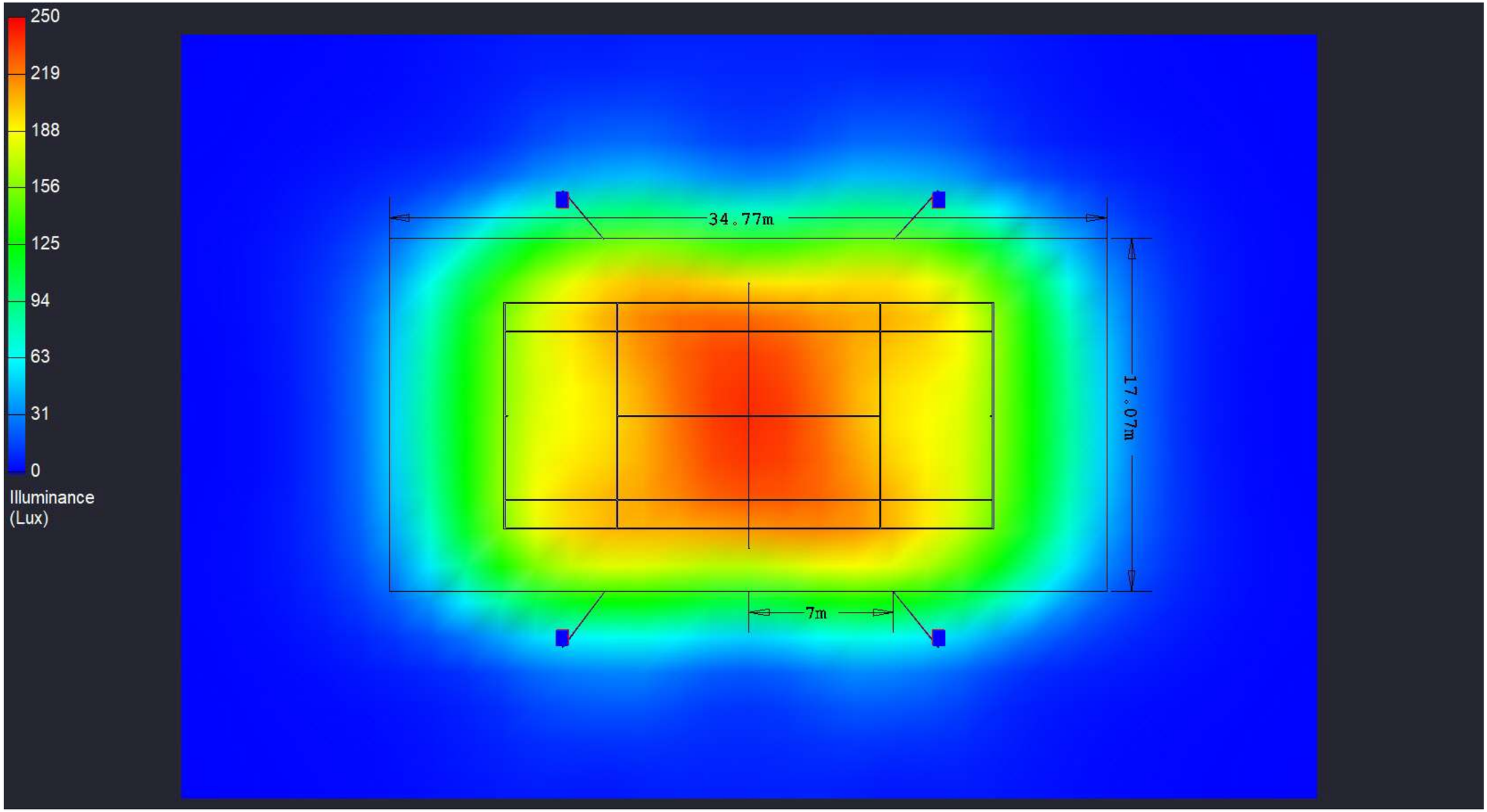


Lighting Design Prediction

Site - TCL Sample Design
Recreational and residential

Rev	Description	Designer	Date	Rev	Description	Designer	Date

IWE LIGHTING



Lighting Design Prediction

Site - TCL Sample Design
Recreational and residential

Rev	Description	Designer	Date	Rev	Description	Designer	Date

IWE LIGHTING