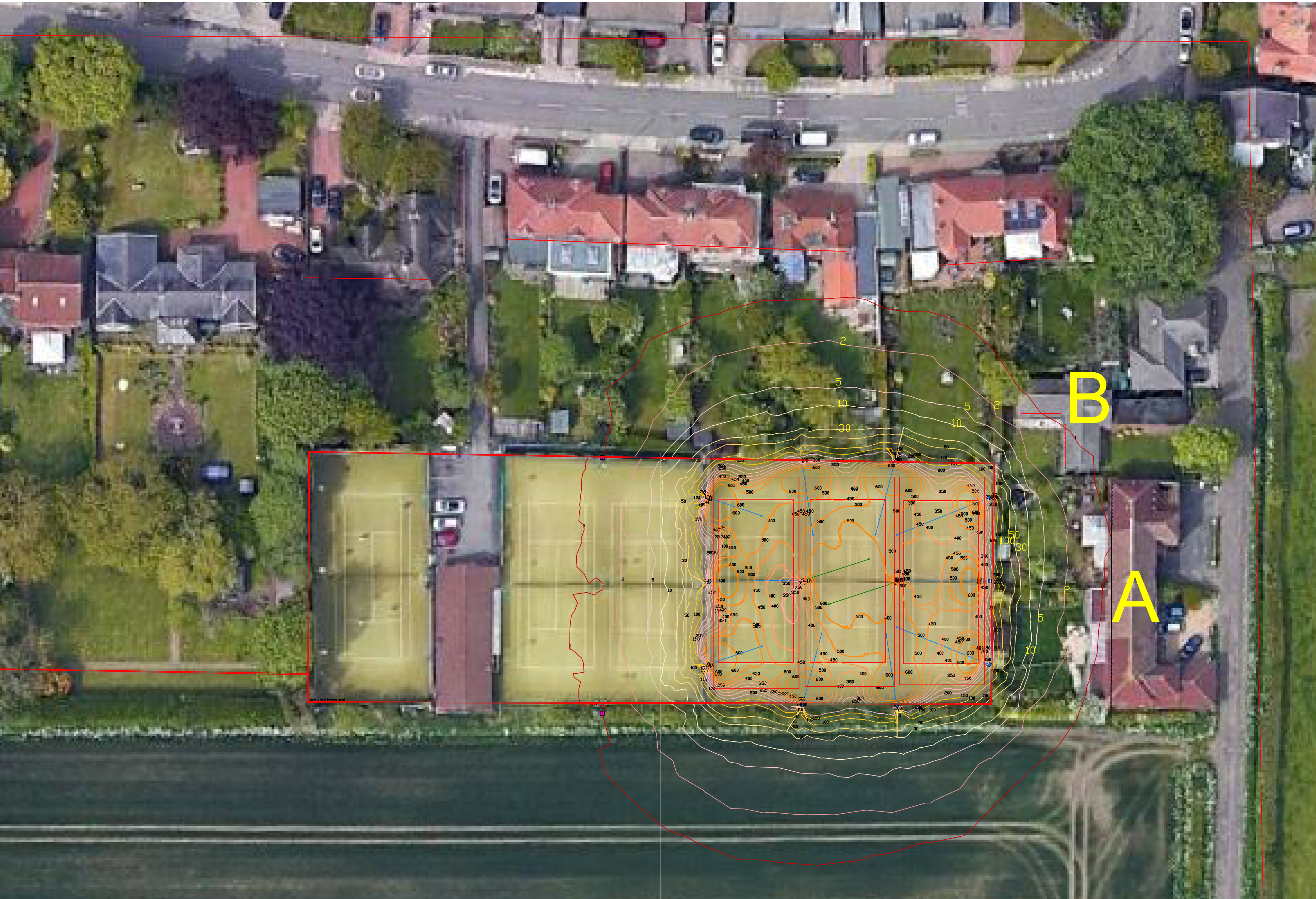




Courts 1 to 3 Switched on Overspill contours at ground level

Note : All overspill illuminance levels are base on an open area with no vegetation shielding.

Lighting Equipment

- 10 x 6m Masts
Each carrying 1 x FLD160-500W-D3 Roker Floodlight, D3 Asymmetric Medium 75x30 Degree, 740
- 2 x 6m Masts
Each carrying 2 x FLD160-400W-D Roker Floodlight, D1 Asymmetric Narrow Beam, 740

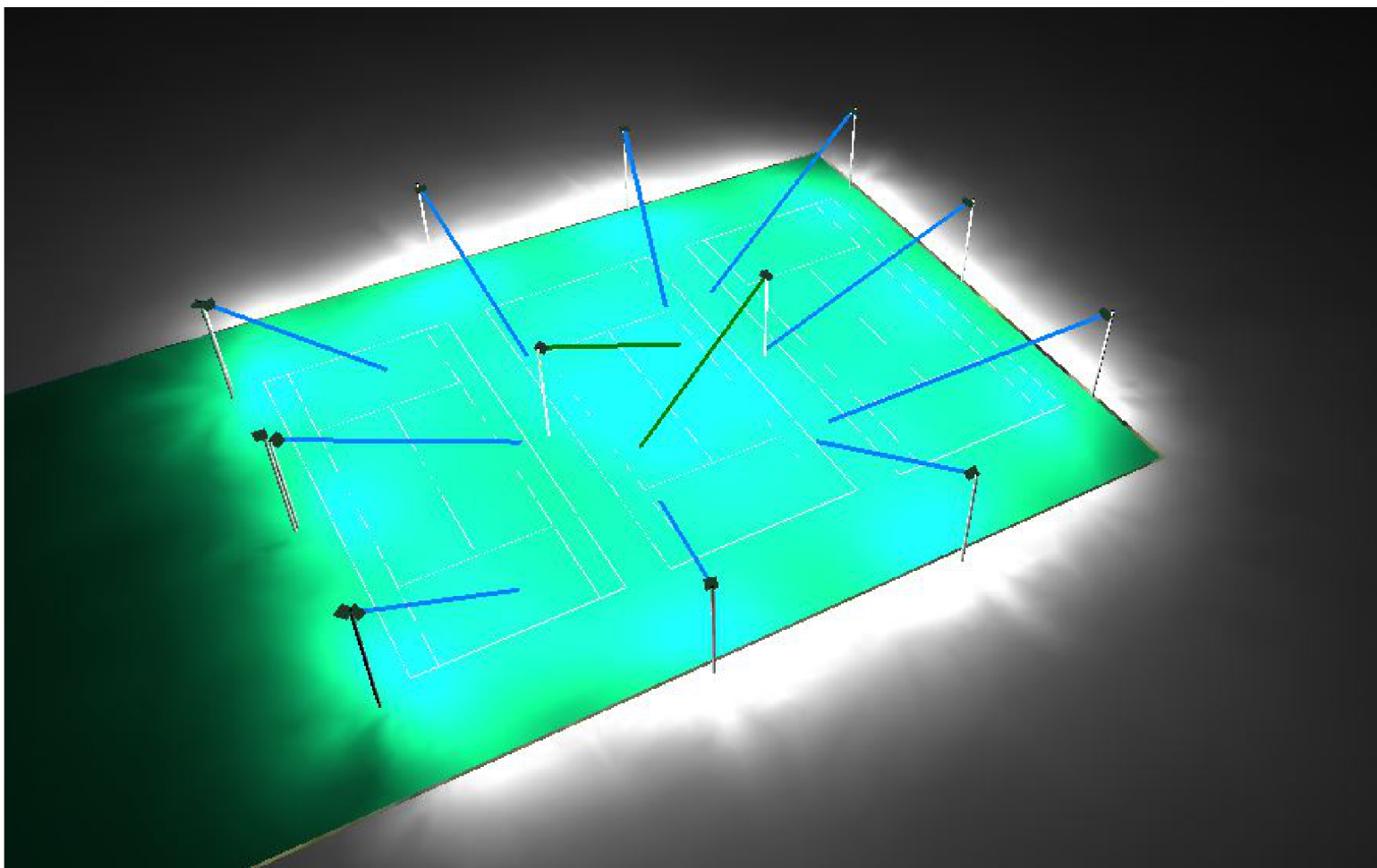
Levels met in the ILP Guidance Notes for the Reduction of Obtrusive light :
E3 Source intensity : Required 10 Kcd, Achieved : 8.76 Kcd
E3 Vertical to properties : Required 10 Lux, Achieved 9.86 Lux

All overspill calculation shown are calculated at initial levels i.e. MF = 1

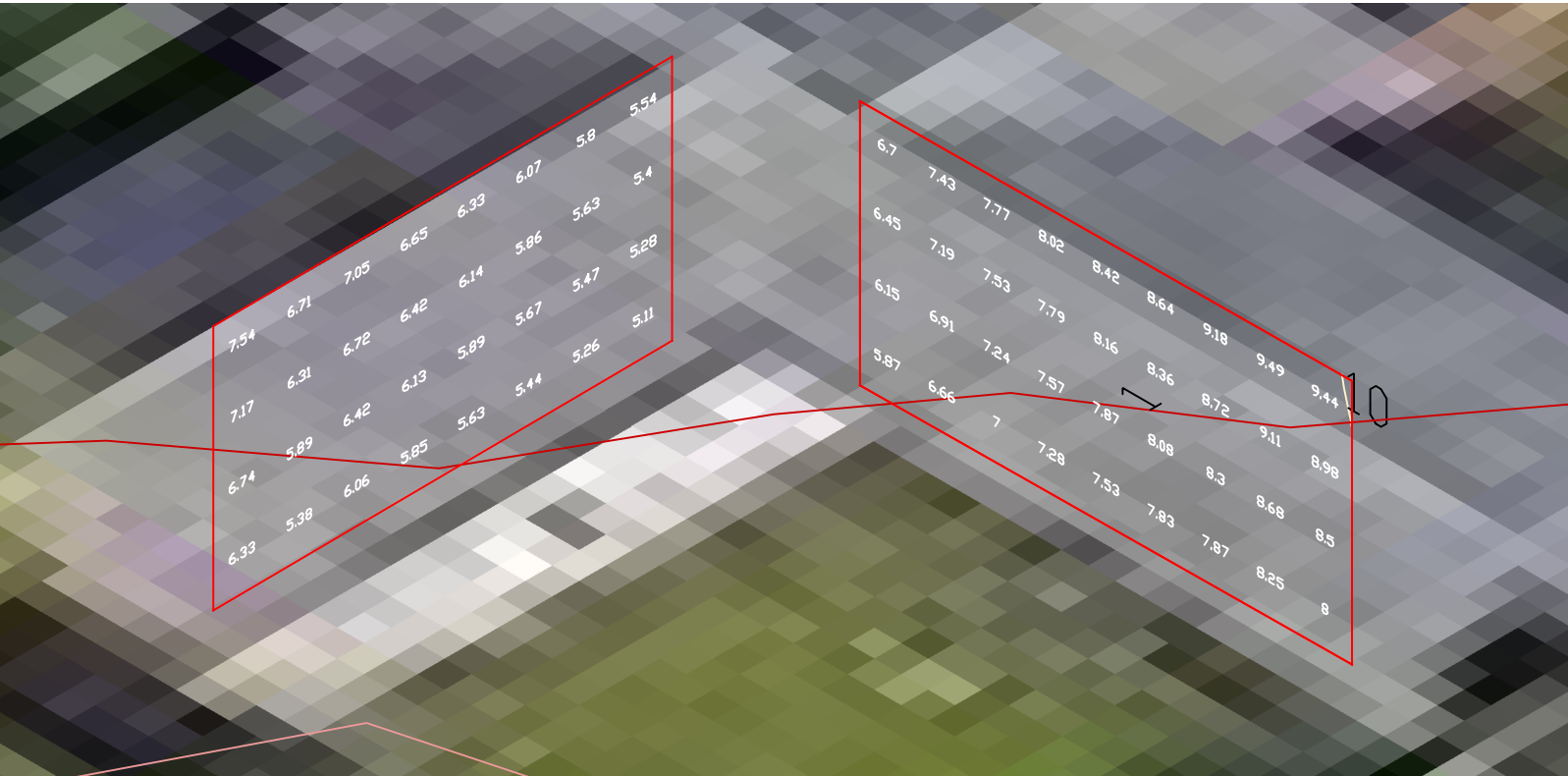
Illuminance levels
Lit to Meet minimum LTA Standards
PPA = 400 Lux, 0.70 min/ave
TPA = 300 Lux, 0.60 min/ave

Court 1 : PPA 417 Lux, 0.77 min/ave, TA PPA 412 Lux, 0.66 min/ave
Court 2 : PPA 551 Lux, 0.75 min/ave, TA PPA 524 Lux, 0.62 min/ave
Court 3 : PPA 437 Lux, 0.71 min/ave, TA PPA 450 Lux, 0.67 min/ave

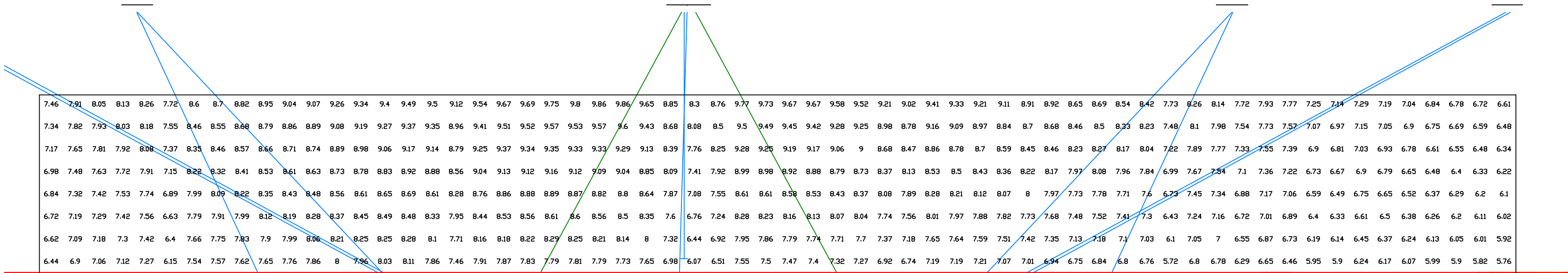
Scaled from Google Earth, please check dimensions are correct and all mounting locations are suitable before ordering and installing.



Render Courts 1 to 3 lit



Maximum Vertical illuminance from ground to 3m high
Courts 1 to 3 Switched on : Location B on main plan.



Maximum Vertical illuminance from ground to 5m high
Courts 1 to 3 Switched on : Location A on main plan.



Email : sales@powerplusgroup.co.uk
web : www.powerplusgroup.co.uk
Linsay Court
Longcore
Birmingham
Nottinghamshire
NG13 8PA

Project

Boldon Lawn Tennis Club

Illuminance overspill contours
Courts 1 to 3 Lit

Drawn by	Customer Ref
JT	-
Drawing Number	Revision Scale
LSC10719/1	- 1:500-A1
	Date
	22/03/2022

LSC10719_1 Boldon Lawn Tennis Club 6m masts Court 1 to 3 Switched Initial Overspill Contours.dwg
22/03/2022
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