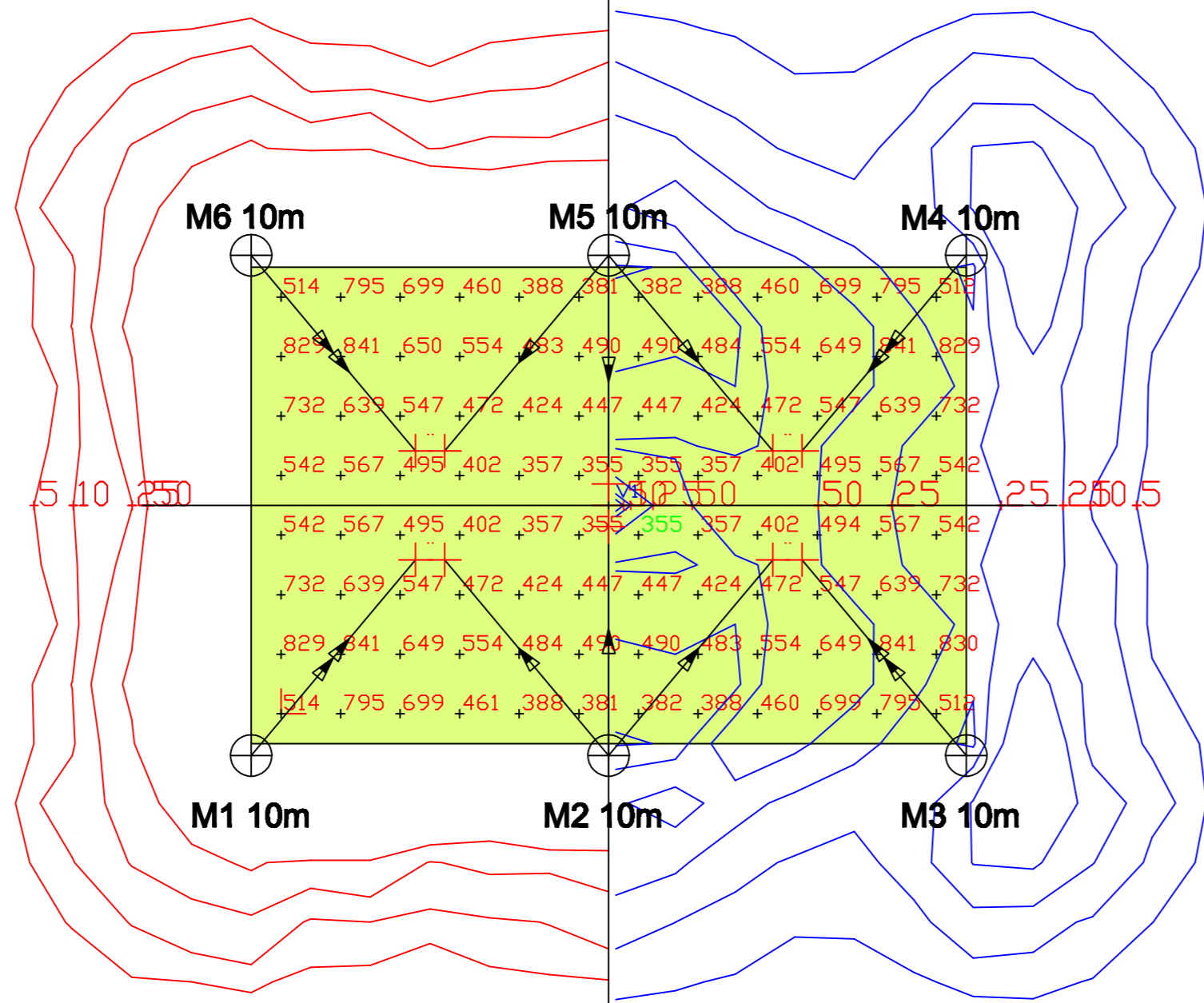


AREA1 (AVE=544.30 MIN=355.11 MAX=841.01)

HORIZONTAL OVERSPILL

VERTICAL OVERSPILL



# Abacus®

Leaders in lighting

ABACUS REF : BU1000 0  
4000m - 400 LUX

CLASS I  
COMPETITION STANDARD

FLOODLIGHTING EQUIPMENT

6x10m MAST(2x41-4M)

EACH CARRYING THE FOLLOWING FLOODLIGHTS:-

M1,M3,M4,M6..... 2 x AL570020V - MEDIUM BEAM

M2,M5..... 3 x AL570020V - MEDIUM BEAM

LAMPS (CHOICE OF)

PHILIPS - MH-LA 20W 400V/842(220000 INTIAL Lm.)

OSRAM - HQL-T82000WDL(228000 INTIAL Lm.)

VENTURE - MH-T82000W/LK124K(240000 INTIAL Lm.)

ILLUMINANCE LEVELS

A) INITIAL(100 HRS)

E.L.ave=544 LUX.

B) MAINTAINED(1000 HRS)

E.L.ave=435 LUX.

UNIFORMITY

Emin/Emax=0.65

Emn/Emax=0.42

MAXIMUM GLARE RATING(GR)=40

GRID VALUES IN LUX(INITIAL)

GRID INTERVAL=5m.

CONTOUR VALUES IN LUX(INITIAL)

CONTOURS:5,10,25,50 LUX.

VERTICAL ILLUMINANCE CALCULATED AT +3.0m A.G.L.

MAINTENANCE FACTOR=0.80

BASED UPON:-

DIRT DEPRECIATION FACTOR=7%

CLEANING INTERVAL=12 MONTHS.

LOCATION-MEDIUM POLLUTION.

LAMP LUMEN DEPRECIATION=14%

NOTE

THE DESIGN CALCULATIONS ARE BASED UPON PHILIPS

LAMPS, THE MAINTAINED ILLUMINANCE LEVEL WILL

VARY DEPENDING ON FINAL LAMP CHOICE.



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All illuminance values are the result of computer calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.