

Abacus®

Leaders in Lighting

LIGHTING EQUIPMENT

4 x 18m Masts Each Carrying the Following AAA-Lux LED Floodlights

M1 - M4 1 x WS100 / 1550W Floodlight
.....2 x WS270 / 1550W Floodlight

HORIZONTAL ILLUMINANCE LEVELS

Specified level

Average Initial Horizontal Illuminance (E_{h.m}): 222lx

Average Maintained Horizontal Illuminance (E_{h.m}): 200lx

Uniformity Ratio (E_{min} / E_{av}): 0.60

Uniformity Ratio (E_{min} / E_{Max}): 0.25

Football Pitch

Calculated level

Average Initial Horizontal Illuminance (E_{h.m}): 259lx

Average Maintained Horizontal Illuminance (E_{h.m}): 233lx

Uniformity Ratio (E_{min} / E_{av}): 0.62

Uniformity Ratio (E_{min} / E_{Max}): 0.38

Glare Rating: GRmax= 44

Grid Intervals (Football Pitch) - 88 Point

Contours Values 50, 25, 10, 5 & 2 Lux

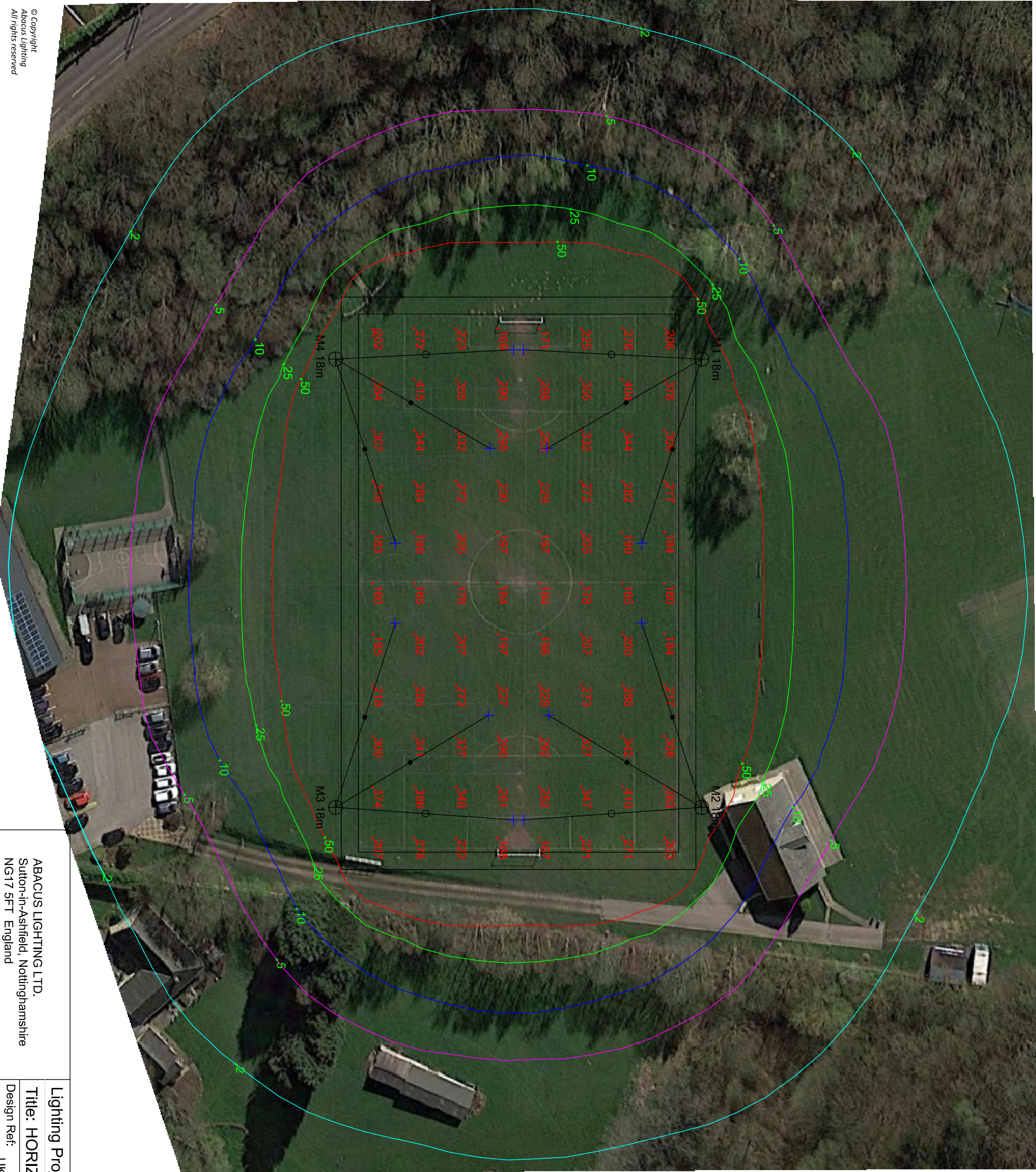
Maintenance Factor: 0.9

Based Upon:

- Luminaires depreciation due to dirt
- Medium Pollution
- Pre-season cleaning of floodlights

Notes: Dimensions and Pitch Sizes have been taken from a customer supplied image. All dimensions should be checked and confirmed on site prior to placing an order with Abacus.

Scheme develop based upon a flat and open area, where shadowing from building, plants and equipment have not been taken into consideration.



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Lighting Project: Silkstone Football Club

Title: HORIZONTAL ILLUMINANCE

Design Ref: UKS17165/2 Revision(s) From Previous Design:

Design By: Marcus Bishop

Date: 31/05/2019 Scale: 1:500 @ A2

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.