

LIGHTING EQUIPMENT

4 x 5m masts carrying the following S-Lum luminaire:

- A..... 1 x AL61003_30W_4K
Single
Post Top Mounted
Luminaire Elevation +10°

2 x 5m masts carrying the following S-Lum luminaires:

- B..... 1 x AL61009_30W_4K
Single
Post Top Mounted
Luminaire Elevation 0°

10 x 1m Quartz Bollards

- C..... 1 x AL9002

4 x 5m building mounted Revati luminaires:

- D..... 1 x AL60601_17W_4K

HORIZONTAL ILLUMINANCE LEVELS

Road and Car Park

Average Horizontal Illuminance (E.av): 20 Lux
Minimum Horizontal Illuminance (E.min): 6 Lux
Uniformity Ratio (E.av / E.min): 0.30

Visitor Parking Bays

Average Horizontal Illuminance (E.av): 23 Lux
Minimum Horizontal Illuminance (E.min): 12 Lux
Uniformity Ratio (E.av / E.min): 0.52

Front Path

Average Horizontal Illuminance (E.av): 24 Lux
Minimum Horizontal Illuminance (E.min): 6 Lux
Uniformity Ratio (E.av / E.min): 0.25

Perimeter Path

Average Horizontal Illuminance (E.av): 46 Lux
Minimum Horizontal Illuminance (E.min): 12 Lux
Uniformity Ratio (E.av / E.min): 0.26

NOTES

Maintenance Factor: 0.9

Based Upon:

- Luminaires depreciation due to dirt
- Medium Pollution

Horizontal Calculation Grid Intervals: 1m

Grid values in Lux

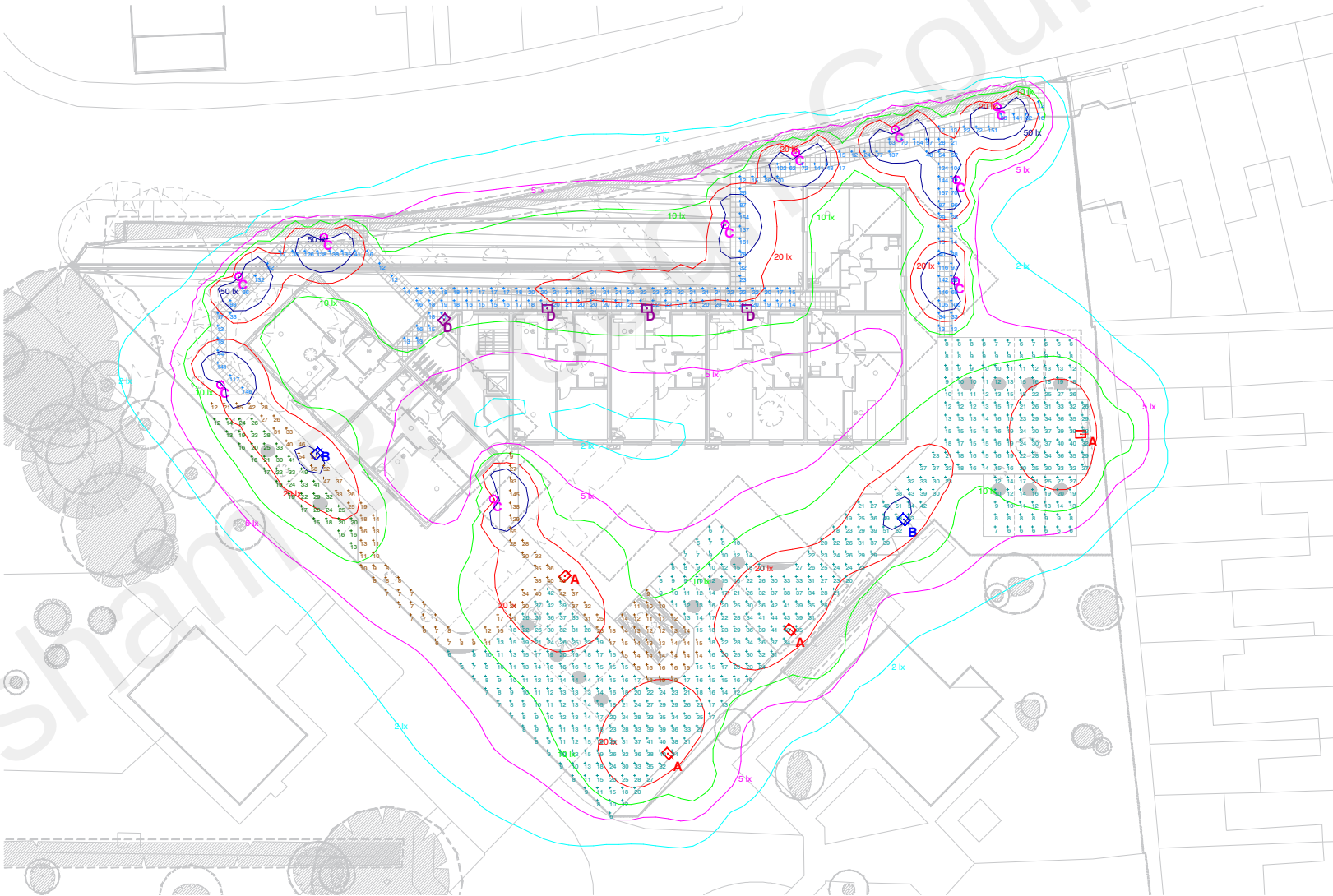
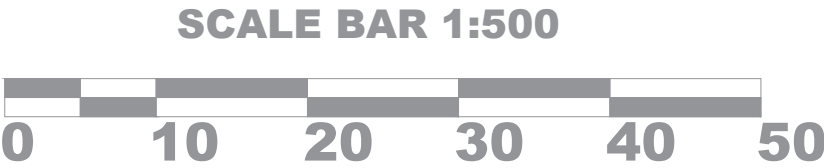
Contours values: 50, 20, 10, 5, 2, 1 Lux

This scheme has been developed based upon a completely flat and open area, where shadowing from building, plants and equipment have not been taken into consideration.

Drawing converted from a PDF file, please check dimensions before ordering and installing.

© Copyright
Abacus Lighting
All rights reserved

This Lighting Design / Scheme and results given are based on the specific performance of Abacus Lighting products. This design and supporting documents are the sole property of Abacus Lighting Limited. This design and supporting documents must not be reproduced in any way without the written permission of Abacus Lighting. Any use of this design with non-Abacus luminaires after planning has been submitted may breach planning consent.



Abacus
Leaders in Lighting



ABACUS LIGHTING LTD.
Sutton-in-Ashfield, Nottinghamshire
NG17 5FT England
Tel: (+44) 01623 511111
Fax: (+44) 01623 552133
Email: light@abacuslighting.com
Home page: www.abacuslighting.com

Lighting Project: Elizabeth Huggins Court

Title: External Lighting

Design Ref: LS4057381_1

Design By: Anna Whittaker

Date: 15/08/2022

Scale: 1:500@A3

Revision(s) From Previous Design:
Scale Bar and North point added

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.