



FLOODLIGHTING EQUIPMENT:

4 x 15m Masts Each Carrying The Following Challenger 1 LED Floodlights

M1,M3 1 x AL6102/15/752SI
1 x AL6102/15/752SI + FS1

M2,M4 1 x AL6102/15/752SI
1 x AL6102/15/752SI + FS2

HORIZONTAL ILLUMINANCE LEVELS

Rugby Pitch (specified level)
Average Maintained Horizontal Illuminance (Eh.m): 100 lx
Uniformity Ratio (E.min / E.av): 0.50

Rugby Pitch (calculated level)
Average Initial Horizontal Illuminance (Eh.m): 138 lx
Average Maintained Horizontal Illuminance (Eh.m):124 lx
Uniformity Ratio (E.min / E.av): 0.50

Glare Rating: GRmax= 45

Maintenance Factor: 0.9
Based Upon:
- Luminaires depreciation due to dirt
- Pre-season cleaning of floodlights

Grid Intervals 91 Point Calculation Grid with 5m Trylines
Initial Levels Shown

Contour Values: 50lx,20lx,10lx,5lx,2lx

LED Lifetime: 60,000 Hours

Notes

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

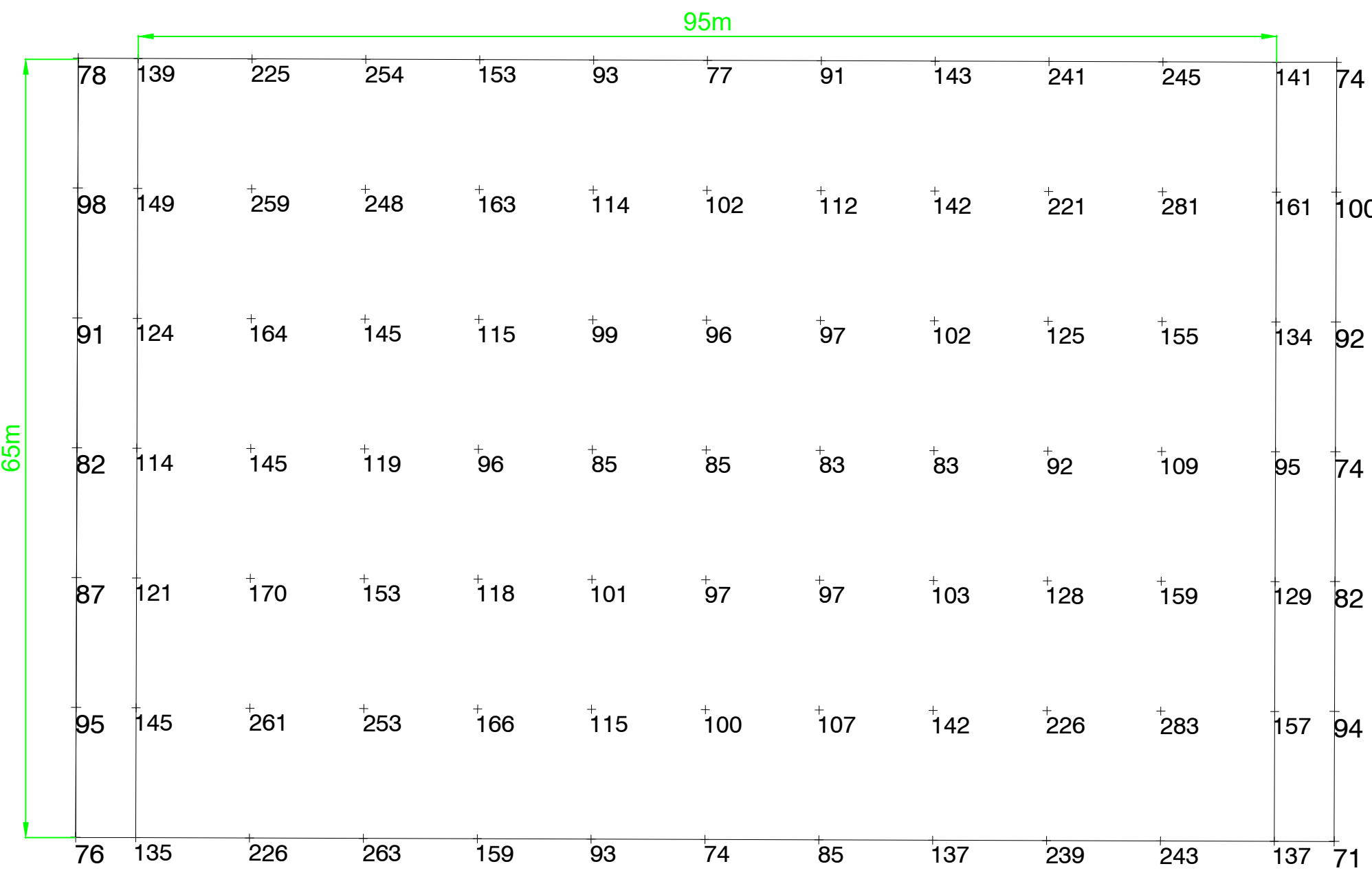
Drawing and mast locations converted from a site map, please check dimensions before ordering and installing.

Obtrusive Light - Compliance Report
CIE 150:2017, E3-Medium District Brightness, Pre-Curfew
Filename: UKS17870_4 - 4051080 Worthing RFC-Copy-30759
27/04/2022 09:08:16

Illuminance
Maximum Allowable Value: 10 Lux

Calculations Tested (6):

Calculation Label	Test Results	Max. Illum.
Brougham Grove 31_III_Seg1	PASS	4
Brougham Grove 33,35,37_III_Seg1	PASS	8
Brougham Grove 39,41_III_Seg1	PASS	7
Brougham Grove 43_III_Seg1	PASS	3
Baker Way 4,6_III_Seg1	PASS	1
Baker Way 5,7,9,11_III_Seg1	PASS	1



Horizontal Illuminance Levels