**DATE:** **15 May 2018**

**DESIGNER:** **Alan**

**PROJECT No:** **6012-0890**

**PROJECT NAME:** **Gentoo EB Dev**

Prepared for Gentoo Homes
East Boldon Dev, Moor Lane.
Designed to drawing GEN-60A-200-Prop Site Plan
Thorn CiviTEQ Small LED Lanterns mounted on 6m Tubular Steel Columns to South Tyneside Council's "Specification for Street Lighting Works on Private Developments (Version 2, January 2014)"
Designed to BS5489-1, BSEN 13201-1
Illumination Level - S4 - 5 lux average, 1 lux minimum.
Lanterns -
CiviTEQ small 12LED, EWSC, CLO, 4000K NW LED, G34, 500mA - 2.50Klm(19W),
CiviTEQ small 12LED, WS, CLO, 4000K NW LED, G34, 350mA - 1.87Klm(13W),

# Outdoor Lighting Report

**PREPARED BY:**

Design Software from:
Lighting Reality Ltd
Park Business Centre
Wood Lane
Erdington
Birmingham
B24 9QR
United Kingdom

e-mail: sales@lightingreality.com
website: www.lightingreality.com

# Layout Report

## General Data

Dimensions in Metres Angles in Degrees
Grid Origin 437317.8m x 561531.4m
Area 180.0m x 150.0m
Sample Spacing 1.50m x 1.50m

## Luminaires

### Luminaire A Data

| | |
|---|---|
| Supplier | |
| Type | CIVITEQ S - 12 x Neutral White 4000K LED 500mA - EWSC Optic |
| Lamp(s) | LED |
| LampFlux(klm)/Colour | 2.50 4000/70 |
| File Name | CQS12L50EWSC740G34_DC.LDT |
| Maintenance Factor | 0.76 |
| Imax70,80,90(cd/klm) | 716.1, 93.0, 0.0 |
| No. in Project | 8 |

### Luminaire B Data

| | |
|---|---|
| Supplier | |
| Type | CIVITEQ S - 12 x Neutral White 4000K LED 350mA - WS Optic |
| Lamp(s) | LED |
| LampFlux(klm)/Colour | 1.87 4000/70 |
| File Name | CQS12L35WS740G34_DC.LDT |
| Maintenance Factor | 0.76 |
| Imax70,80,90(cd/klm) | 770.4, 187.0, 0.0 |
| No. in Project | 2 |

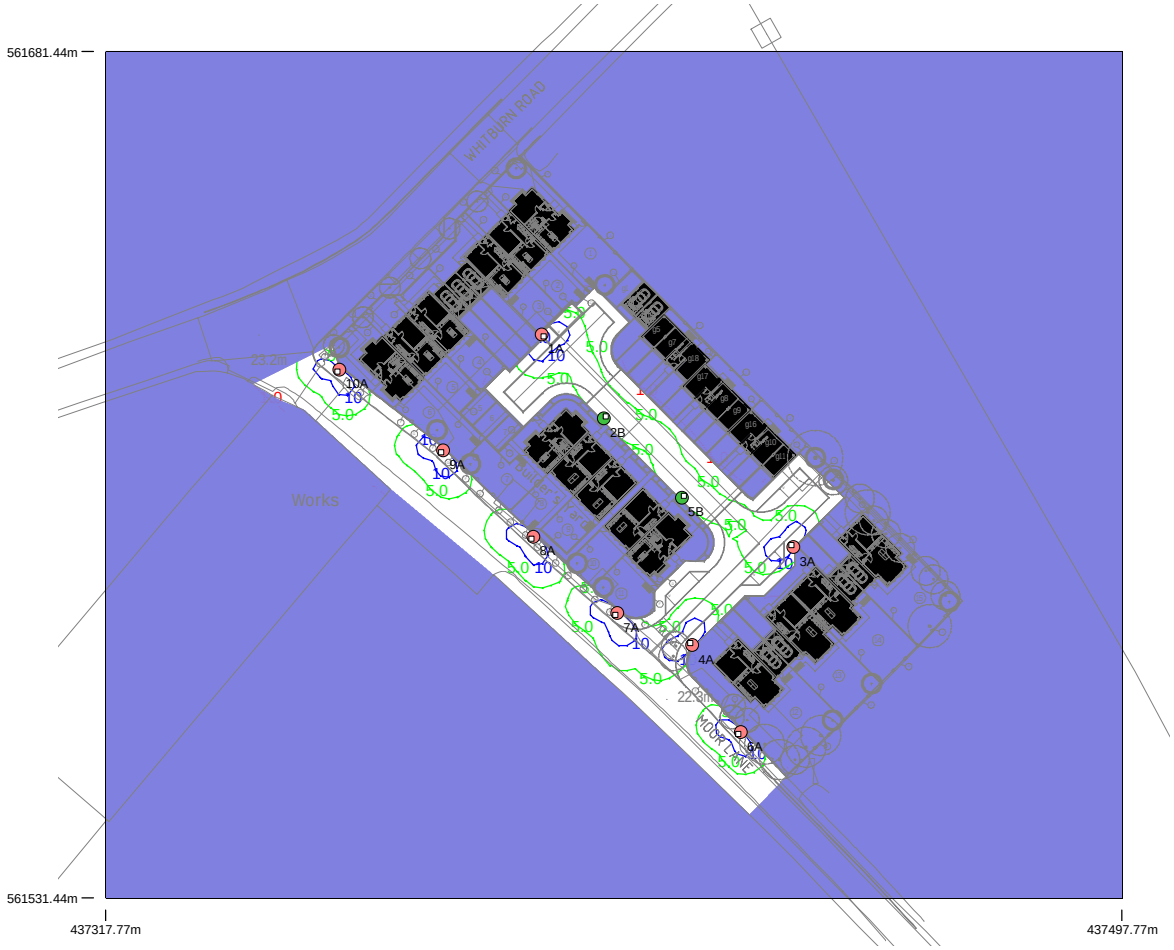
## Layout

| No. | Type | X | Y | Height | Angle | Tilt | Cant | Out-reach | Target X | Target Y | Target Z |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | A | 437394.91 | 561631.34 | 6.00 | 313.00 | 0.00 | 0.00 | 0.50 | | | |
| 2 | B | 437405.94 | 561616.43 | 6.00 | 46.00 | 0.00 | 0.00 | 0.50 | | | |
| 3 | A | 437439.48 | 561593.66 | 6.00 | 134.00 | 0.00 | 0.00 | 0.50 | | | |
| 4 | A | 437421.64 | 561576.31 | 6.00 | 137.00 | 0.00 | 0.00 | 0.50 | | | |
| 5 | B | 437419.75 | 561602.45 | 6.00 | 48.00 | 0.00 | 0.00 | 0.50 | | | |
| 6 | A | 437430.17 | 561560.98 | 6.00 | 224.00 | 0.00 | 0.00 | 0.50 | | | |
| 7 | A | 437408.37 | 561582.05 | 6.00 | 226.00 | 0.00 | 0.00 | 0.50 | | | |
| 8 | A | 437393.52 | 561595.55 | 6.00 | 226.00 | 0.00 | 0.00 | 0.50 | | | |
| 9 | A | 437377.48 | 561610.84 | 6.00 | 226.00 | 0.00 | 0.00 | 0.50 | | | |
| 10 | A | 437359.09 | 561625.15 | 6.00 | 231.00 | 0.00 | 0.00 | 0.50 | | | |

6696314701

# Horizontal Illuminance (lux)

Grid 1




## Results

| | |
|---|---|
| Eav | 5.48 |
| Emin | 1.23 |
| Emax | 13.31 |
| Emin/Emax | 0.09 |
| Emin/Eav | 0.22 |

6696314701