



Consulting Engineers

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**PUBLIC LIGHTING REPORT**

**FOR**

**STEELWORKS PROPERTY DEVELOPMENT LTD.**

**AT**

**COOKSTOWN CROSS**  
**UNITS 66 & 67, FOURTH AVENUE**  
**COOKSTOWN INDUSTRIAL ESTATE,**  
**TALLAGHT,**  
**DUBLIN 24**

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Project Reference:	J521
Revision Ref:	C
Date Issued:	6 <sup>TH</sup> October 2020

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## **1. INTRODUCTION**

The proposed development provides for all associated site development works, including the provision of a roadside footpath and new public square along Fourth avenue and Cookstown road, ESB sub-station, car parking, bin & bicycle storage, public open spaces, hard and soft landscaping, boundary treatments and public lighting. Access to the ground floor undercroft car parking will be via one new vehicular entrance off the new secondary road.

## **2. EXECUTIVE SUMMARY**

This report was prepared in accordance with the document 'South Dublin County Council - Public Lighting Specification' to ensure the development will be provided with adequate lighting to the standards of local County Council.

The areas included in this development are designed as follows:

- Link road designed to BS5489-1:2013 Category P2
- Residential area designed to BS5489-1:2013 Category P4
- Conflict Area designed to BS5489-1:2013 Category C2

The lighting design complies with the above requirements and detailed output is on the following pages:

**DATE:** 18 October 2017  
**DESIGNER:** Graham Sheehan  
**PROJECT No:** SES 11317  
**PROJECT NAME:** Cookstown JAK Consulting Eng.



Designed in accordance with BS5489-1:2013 Class P4 with S/P Ratio 1.64

## **Outdoor Lighting Report**

**PREPARED BY:** Sabre Electrical Services Ltd  
Unit 11 Bellevue Ind Est.  
Finglas.  
Dublin 11  
  
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## Layout Report

### General Data

Dimensions in Metres Angles in Degrees  
Grid Origin 5.0m x -66.0m  
Area 58.0m x 31.0m  
Sample Spacing 1.00m x 1.00m

### Luminaires



### Luminaire A Data

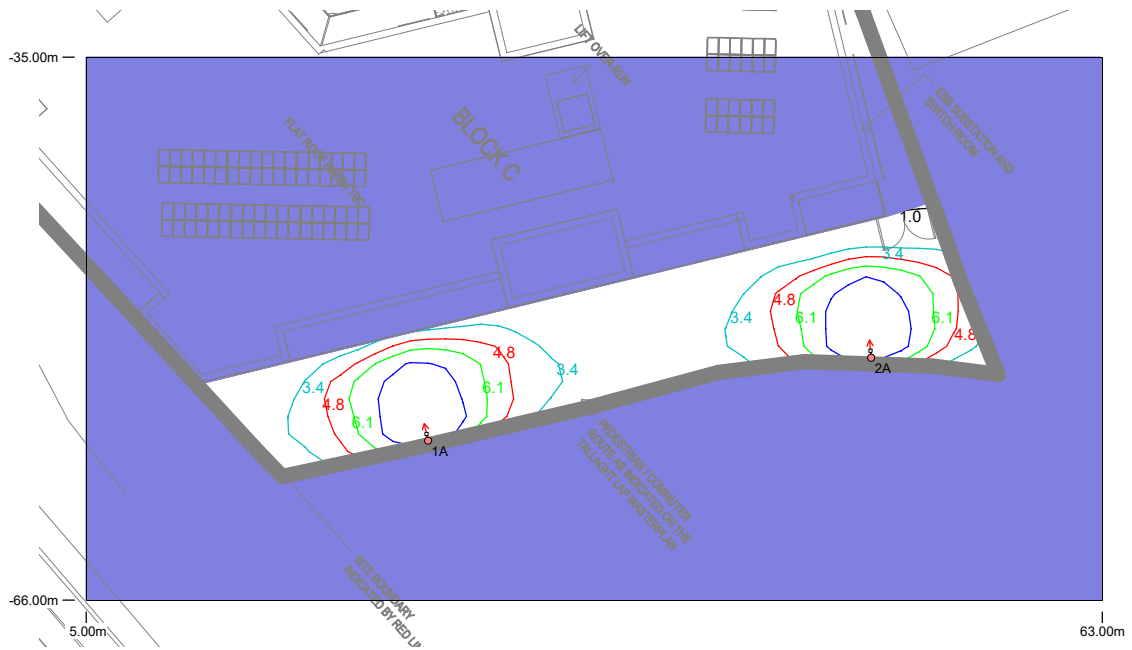
Supplier	C U Phosco
Type	P852-12-C1-NW-D0300-13W
Lamp(s)	740P NW
Lamp Flux (klm)	1.44
File Name	P852-12-C1-NW-D0300-13W.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	482.1, 52.6, 0.0
No. in Project	2

### Layout

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	24.52	-56.89	6.00	103.00	0.00	0.00	0.40			
2	A	49.80	-52.15	6.00	96.00	0.00	0.00	0.40			

## Horizontal Illuminance (lux)

Grid 1

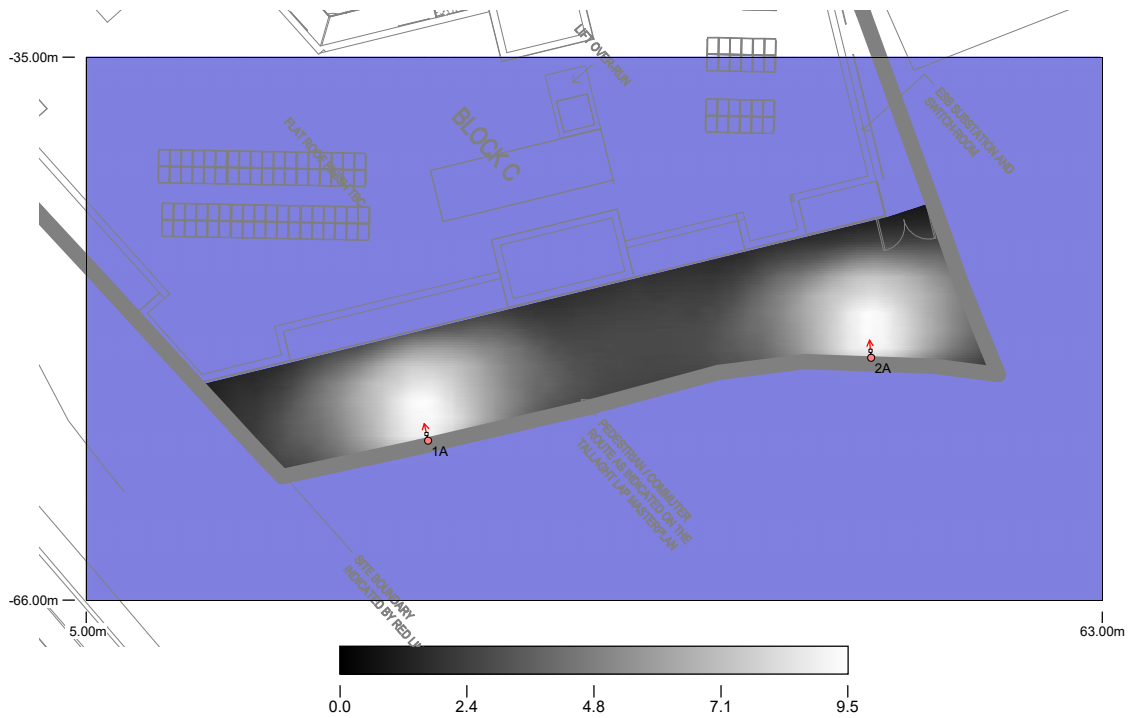


### Results

Eav	4.52
Emin	1.37
Emax	9.51
Emin/Emax	0.14
Emin/Eav	0.30

## Horizontal Illuminance (lux)

Grid 1

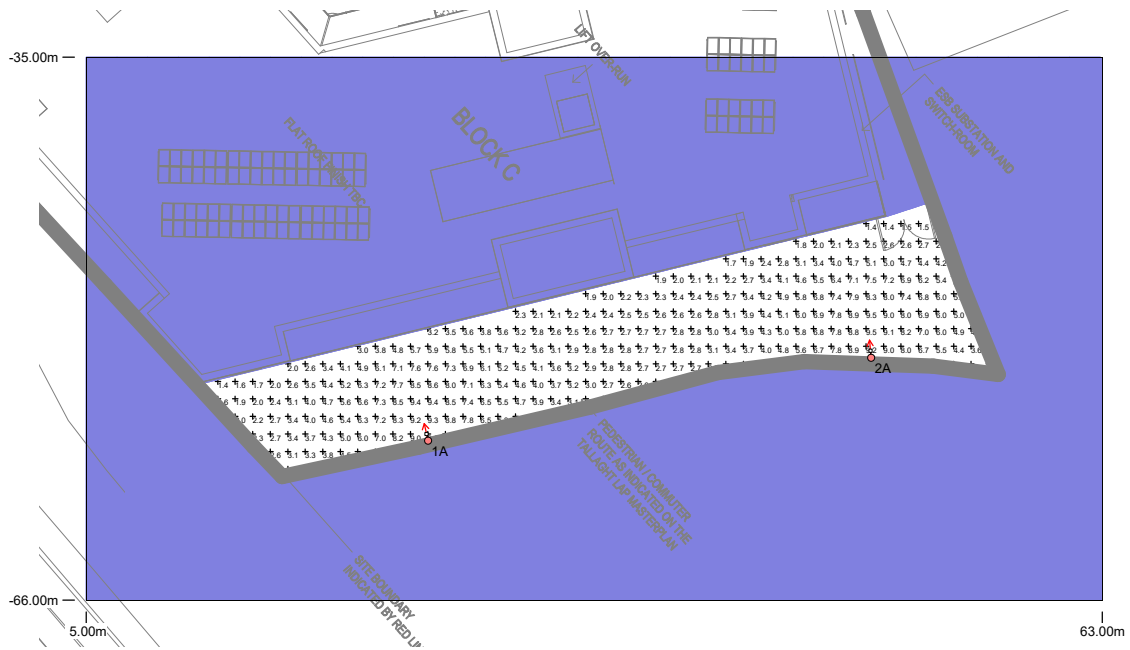


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