

# Stockyard

Installation : Proposed Lighting

Project number :

Customer : Wavin

Processed by : A.Muscroft

Date : 09.03.2012

**Project description:**

Fittings facing the roadside have been adjusted to 15 degrees from the horizontal.

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

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P.D.R. Electrical Engineers Ltd.  
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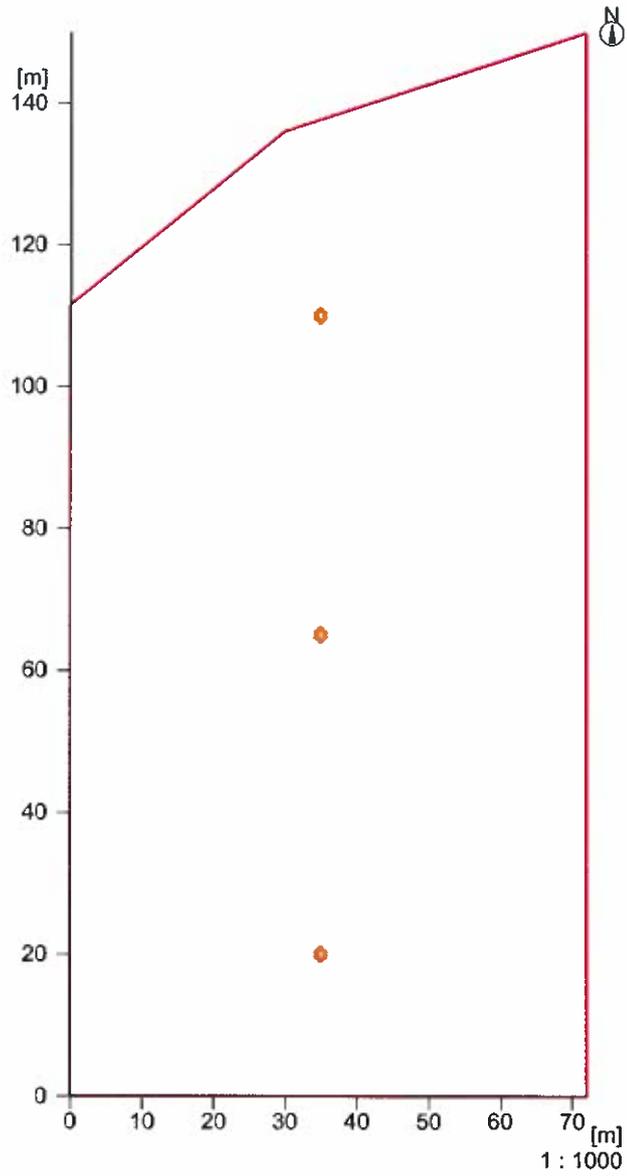


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## Exterior 1

### Description, Exterior 1

#### Floor plan



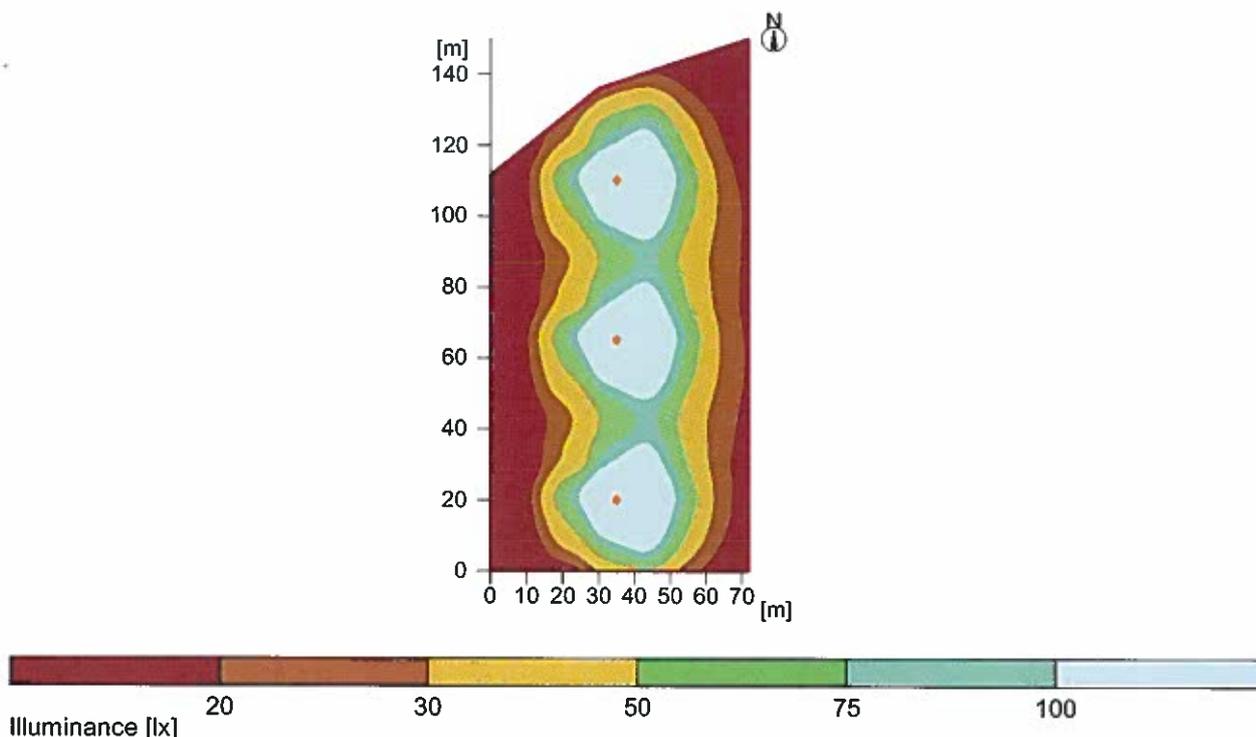


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## Exterior 1

### Summary, Exterior 1

#### Result overview, Reference plane 1



#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.80
Total luminous flux of all lamps	1530000 lm
Total power	19692 W
Total power per area (9718.50 m <sup>2</sup> )	2.03 W/m <sup>2</sup> (3.34 W/m <sup>2</sup> /100lx)

#### Illuminance

Average illuminance	Eav	61 lx
Minimum illuminance	Emin	3 lx
Maximum illuminance	E <sub>max</sub>	290 lx
Uniformity g1	E <sub>min</sub> /E <sub>m</sub>	1:23 (0.04)
Uniformity g2	E <sub>min</sub> /E <sub>max</sub>	1:110 (0.01)

#### Type No.\Make

3	18	<b>Tamlite</b>
	Order No.	: TFL1000HPIC/ASY
	Luminaire name	: TAMSPORT
	Equipment	: 1 x QE 1000 W / 85000 lm

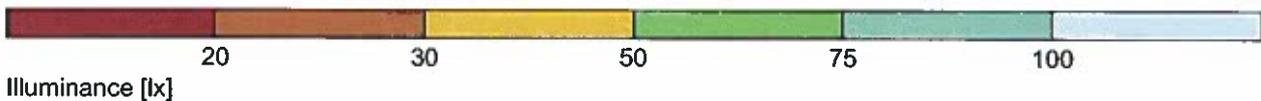
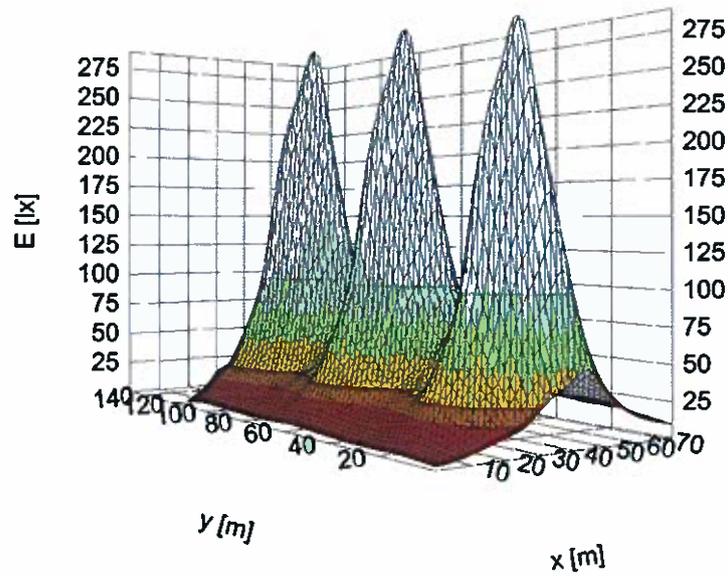


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## Exterior 1

### Calculation results, Exterior 1

#### 3D mountain plot, Reference plane 1 (E)



Average illuminance  
Minimum illuminance  
Maximum illuminance  
Uniformity g1  
Uniformity g2

Eav : 61 lx  
Emin : 3 lx  
Emax : 290 lx  
Emin/Eav : 1 : 22.98 (0.04)  
Emin/Emax : 1 : 109.68 (0.01)



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## Calculation results, Exterior 1

### 3D pseudo colours, View 1 (E)

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