



**Ulysse 3**



## VERZUOLO - STRADA CHIAMINA INCROCIO STRADA PAPÒ'



Designer : a.dovetta

Study # : 01

Project # : 01

Date : 07/03/2019

MESSA IN SICUREZZA DELLE STRADE COMUNALI MEDIANTE INTEGRAZIONE DELL' IMPIANTO DI ILLUMINAZIONE ATTO A  
GARANTIRE INCOLUMITA' E SICUREZZA PUBBLICA

Alpi Acque S.p.A.  
Via Carello n° 5  
Savigliano (CN)

## Table of contents

1. Fixtures	1
1.1. AXIA 2.2 40 LEDs 480mA WW Integrated lenses 5166 384202	1
2. Photometric documents	2
2.1. AXIA 2.2 40 LEDs 480mA WW Integrated lenses 5166 384202	2
3. Results	3
3.1. Grid summary	3
4. Summary power	4
4.1. Default	4
5. Default	4
5.1. Matrix description	4
5.2. Luminaire positions	4
5.3. Luminaire groups	4
5.4. Grid (1) - Normal illuminance	5
6. Grids	6
6.1. Grid (1)	6

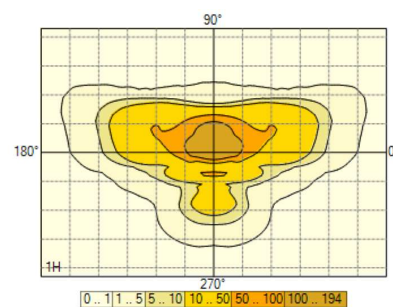
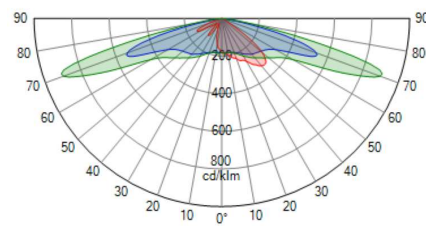
## 1. Fixtures

### 1.1. AXIA 2.2 40 LEDs 480mA WW Integrated lenses 5166 384202



Type	AXIA 2.2
Reflector	5166
Source	40 LEDs 480mA WW
Protector	Integrated lenses
Setting	
Source flux	7.9 klm
G-Class	1

Luminaire wattage	60.0 W
Source wattage	60.0 W
Efficacy	119 lm/W
Luminaire flux	7.116 klm
MF	0.85
Matrix	384202

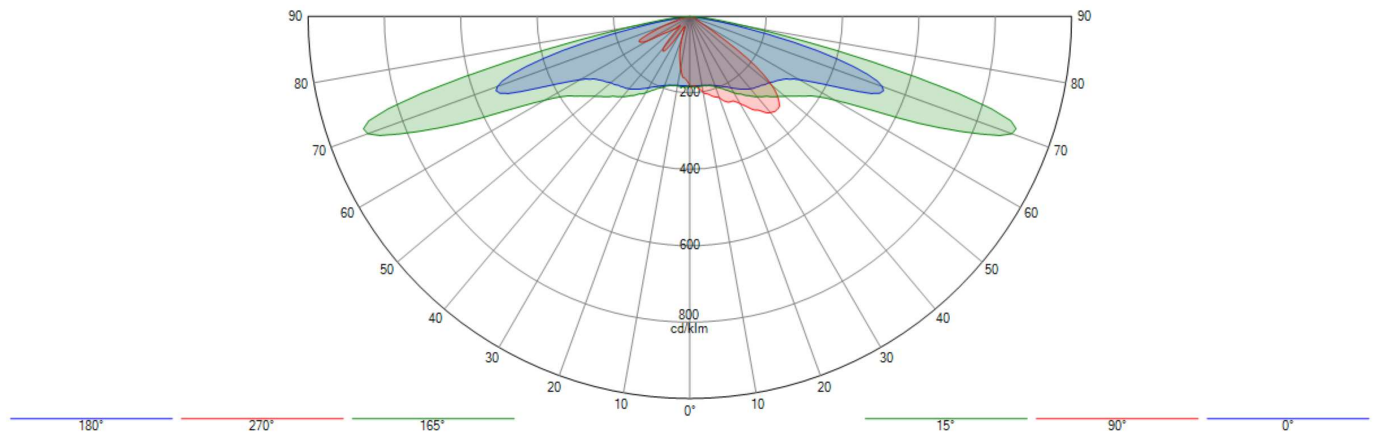


## 2. Photometric documents

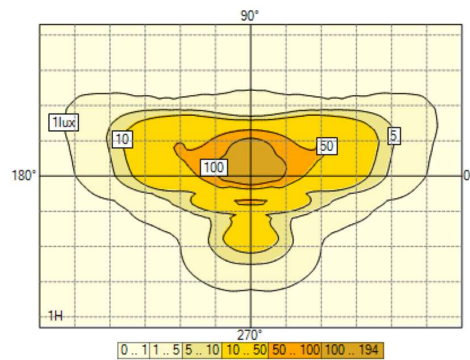
### 2.1. AXIA 2.2 40 LEDs 480mA WW Integrated lenses 5166 384202

384202

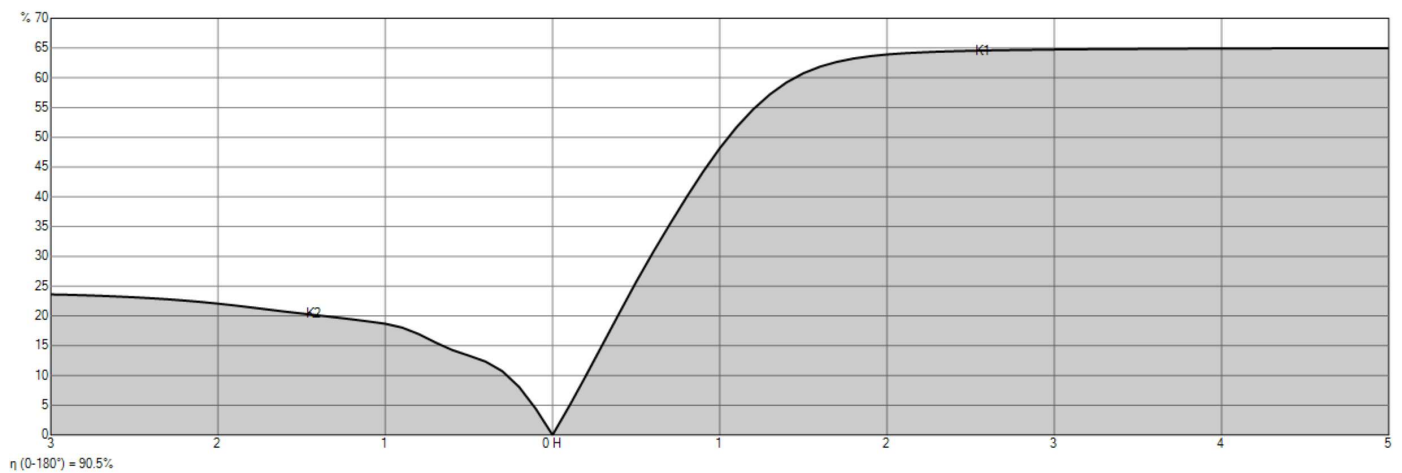
Polar/Cartesian diagram



Isolux



Utilization curve



### 3. Results

#### 3.1. Grid summary

- Grid (1)

C4 (IL : Ave = 10.00 lux Uo = 40 % TI : 15)

**1. Normal illuminance**

	Ave (A)(lux)	Min/Ave (%)	Min/Max (%)	Min (lux)	Max (lux)
Default	14.9	40	23	5.9	26.0



## 4. Summary power



### 4.1. Default

Fixture	Qty	Dimming	Power / Fixture	Total
AXIA 2.2 40 LEDs 480mA WW Integrated lenses 5166 384202	3	100 %	60 W	180 W

Total : 180 W

## 5. Default

### 5.1. Matrix description

Ph. color	Matrix	Description	Source flux [klm]	Luminaire flux [klm]	Efficacy [lm/W]	MF	Height	Fixture
	384202	AXIA 2.2 40 LEDs 480mA WW Integrated lenses 5166	7.867	7.116	119	0.850	3 x 7m	

### 5.2. Luminaire positions

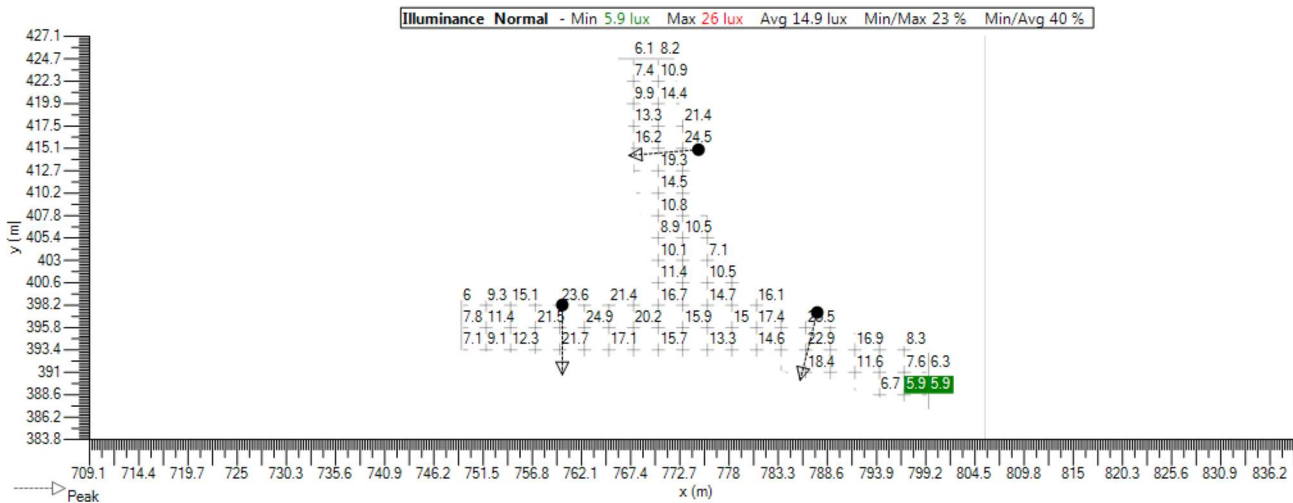
	N°	Position			Luminaire								Target		
		X [m]	Y [m]	Z [m]	Matrix	Description	Az [°]	Incl [°]	Rot [°]	Flux [klm]	MF		X [m]	Y [m]	Z [m]
<input checked="" type="checkbox"/>	1	760.02	398.25	7.00	384202	AXIA 2.2 40 LEDs 480mA WW Integrated lenses ...	180.0	5.0	0.0	7.867	0.850		760.02	397.63	0.00
<input checked="" type="checkbox"/>	2	774.69	414.93	7.00	384202	AXIA 2.2 40 LEDs 480mA WW Integrated lenses ...	265.2	5.0	0.0	7.867	0.850		774.08	414.88	0.00
<input checked="" type="checkbox"/>	3	787.48	397.44	7.00	384202	AXIA 2.2 40 LEDs 480mA WW Integrated lenses ...	194.2	5.0	0.0	7.867	0.850		787.33	396.85	0.00

### 5.3. Luminaire groups

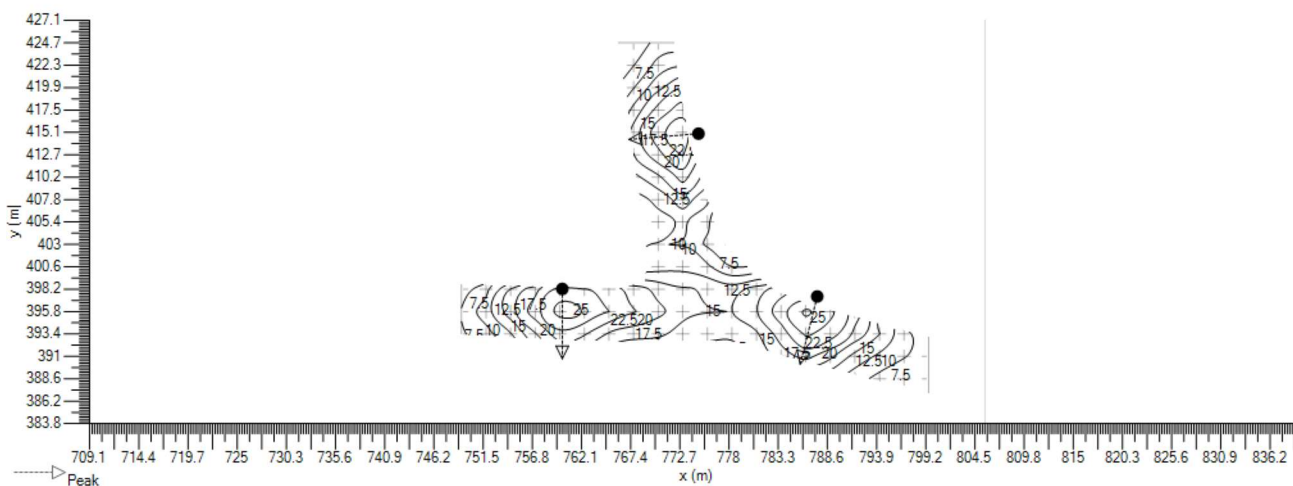
Single										
	N°	Position			Luminaire					
		X [m]	Y [m]	Z [m]	Matrix	Az [°]	Incl [°]	Rot [°]	Dim [%]	
<input checked="" type="checkbox"/>	1	760.02	398.25	7.00	384202	180.0	5.0	0.0	100	
<input checked="" type="checkbox"/>	2	774.69	414.93	7.00	384202	265.2	5.0	0.0	100	
<input checked="" type="checkbox"/>	3	787.48	397.44	7.00	384202	194.2	5.0	0.0	100	

## 5.4. Grid (1) - Normal illuminance

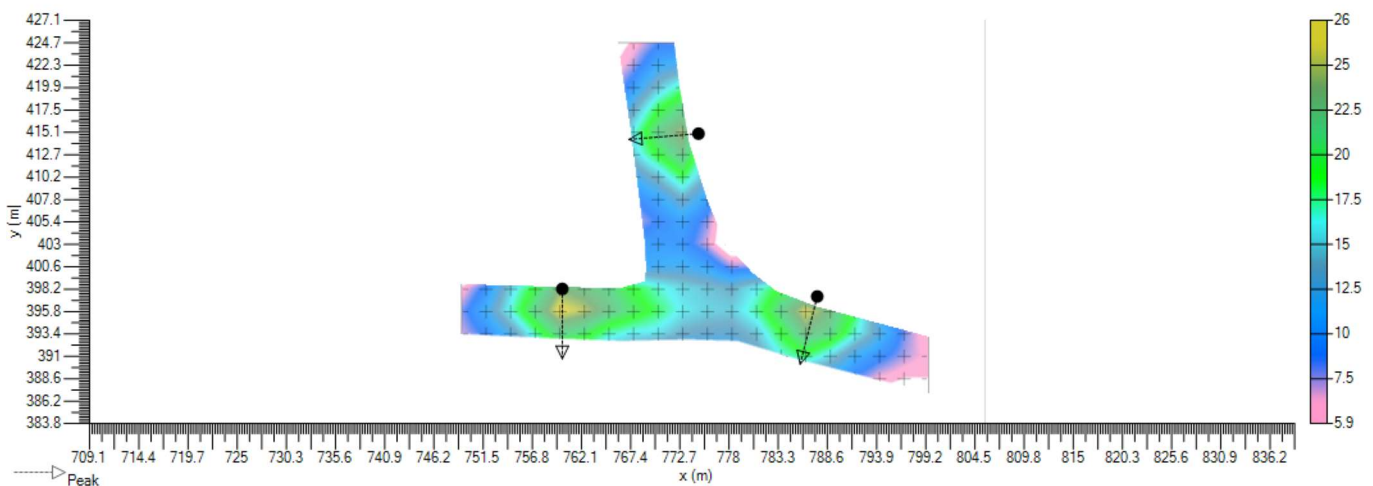
Values



Isolevel



Shading



## 6. Grids

### 6.1. Grid (1)

#### General

Type : Grid rectangular XY

Use Exclusion : Use exclusion

En : ☒Colour : 

#### Geometry

##### Origin

X :  Y :  Z :  m

##### Rotation

X :  Y :  Z :  °

##### Dimension

Count X :	<input type="text" value="20"/>	Count Y :	<input type="text" value="17"/>	
Spacing X :	<input type="text" value="2.65"/>	Spacing Y :	<input type="text" value="2.41"/>	m
Size X :	<input type="text" value="50.31"/>	Size Y :	<input type="text" value="38.50"/>	m