

ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
ΠΕΡΙΦΕΡΕΙΑ ΑΝ. ΜΑΚΕΔΟΝΙΑΣ - ΘΡΑΚΗΣ
ΓΕΝΙΚΗ ΔΙΕΥΘΥΝΣΗ ΑΝΑΠΤΥΞΙΑΚΟΥ
ΠΡΟΓΡΑΜΜΑΤΙΣΜΟΥ, ΠΕΡΙΒΑΛΛΟΝΤΟΣ
ΚΑΙ ΥΠΟΔΟΜΩΝ
ΔΙΕΥΘΥΝΣΗ ΤΕΧΝΙΚΩΝ ΕΡΓΩΝ
ΠΕΡΙΦΕΡΕΙΑΚΗΣ ΕΝΟΤΗΤΑΣ ΚΑΒΑΛΑΣ
ΤΜΗΜΑ ΣΥΓΚΟΙΝΩΝΙΑΚΩΝ ΕΡΓΩΝ

ΕΡΓΟ: "Ηλεκτροφωτισμός κόμβων
Ποταμιάς επί της Ε.Ο. Παναγίας-
Σκάλας Ποταμιάς νήσου Θάσου"

ΘΕΣΗ: Περιοχή Ποταμιάς Ν. Θάσου.

ΕΝΔΕΙΚΤΙΚΗ ΦΩΤΟΤΕΧΝΙΚΗ ΜΕΛΕΤΗ ΔΥΟ ΚΟΜΒΩΝ

Καβάλα, 10 - 09 - 2019
ΣΥΝΤΑΧΘΗΚΕ

Καβάλα, 10 - 09 - 2019
ΕΛΕΓΧΘΗΚΕ
Ο ΑΝ. ΤΜΗΜΑΤΑΡΧΗΣ

Καβάλα, 10 - 09 - 2019
ΘΕΩΡΗΘΗΚΕ
Ο ΔΙΕΥΘΥΝΤΗΣ

Ηλίας Κακογεωργίου
Μηχανολόγος Μηχανικός Τ.Ε.

Γεώργιος Κυπραίος
Τοπογράφος Μηχανικός

Θωμάς Καραβάς
Τοπογράφος Μηχανικός

ΦΩΤΟΤΕΧΝΙΚΗ ΜΕΛΕΤΗ - ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 1

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ΠΟΤΑΜΙΑ ΘΑΣΟΥ

Luminaire layout plan.....6

Luminaire parts list.....7

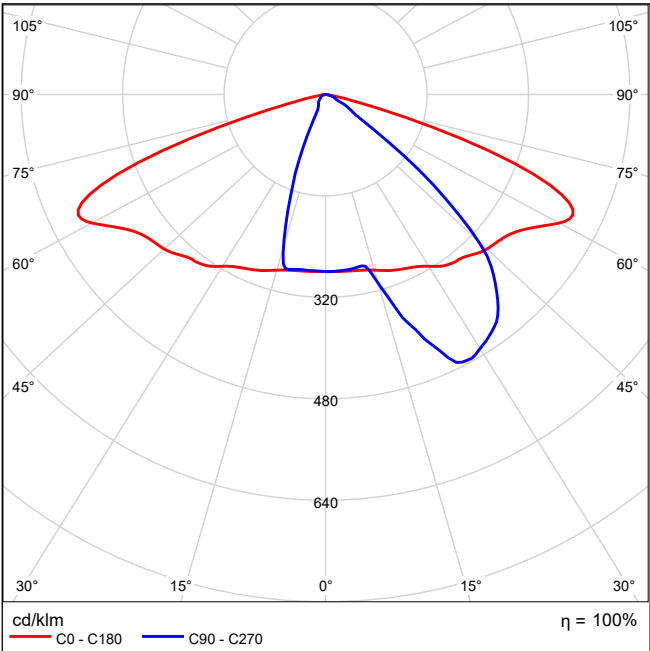
Results summary of surfaces.....8

ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 1 / Perpendicular illuminance.....9

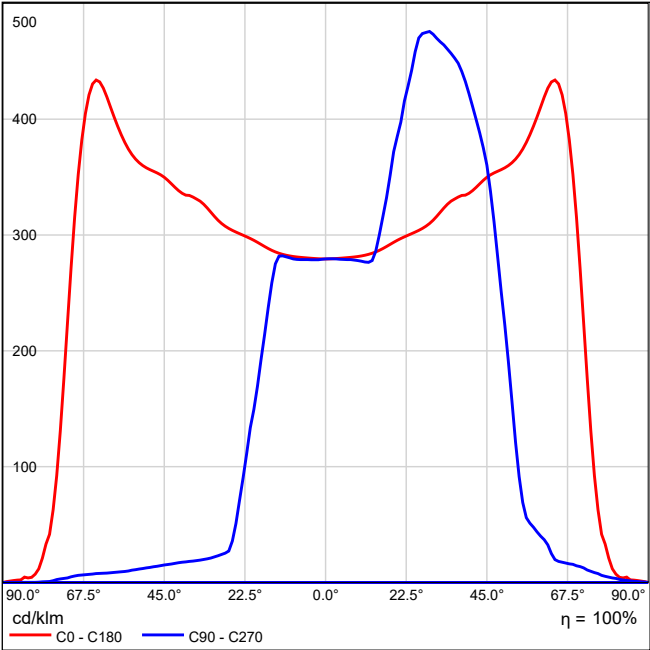
See our luminaire catalog for an image of the luminaire.

Light output ratio: 100%
Luminaire luminous flux: 7120 lm
Power: 58.0 W
Luminous efficacy: 122.8 lm/W

Luminous emittance 1 / Polar LDC

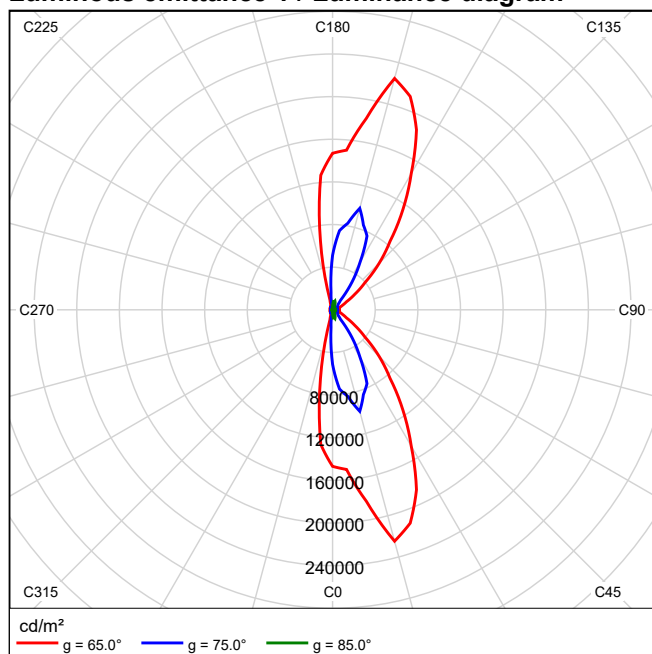


Luminous emittance 1 / Linear LDC



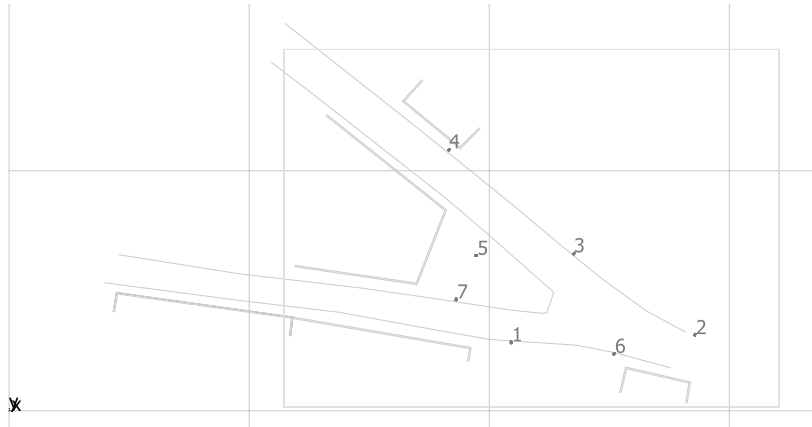
It is not possible to generate a cone diagram, as the light distribution is asymmetrical.

Luminous emittance 1 / Luminance diagram



It is not possible to generate a UGR diagram, as the light distribution is asymmetrical.

ΠΟΤΑΜΙΑ ΘΑΣΟΥ



No.	X [m]	Y [m]	Mounting height [m]	Light loss factor
1	104.562	14.230	12.000	0.80
2	142.816	15.846	12.000	0.80
3	117.632	32.725	12.000	0.80
4	91.600	54.356	12.000	0.80
5	97.317	32.329	12.000	0.80
6	125.982	11.876	12.000	0.80
7	93.114	23.203	12.000	0.80

ΠΟΤΑΜΙΑ ΘΑΣΟΥ

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
7	7120	58.0	122.8
Total via all luminaires	49840	406.0	122.8

ΠΟΤΑΜΙΑ ΘΑΣΟΥ



Light loss factor: 0.80

General

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 1	Perpendicular illuminance [lx] Height: 0.000 m	17.8	9.73	27.0	0.55	0.36

ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 1 / Perpendicular illuminance



Light loss factor: 0.80

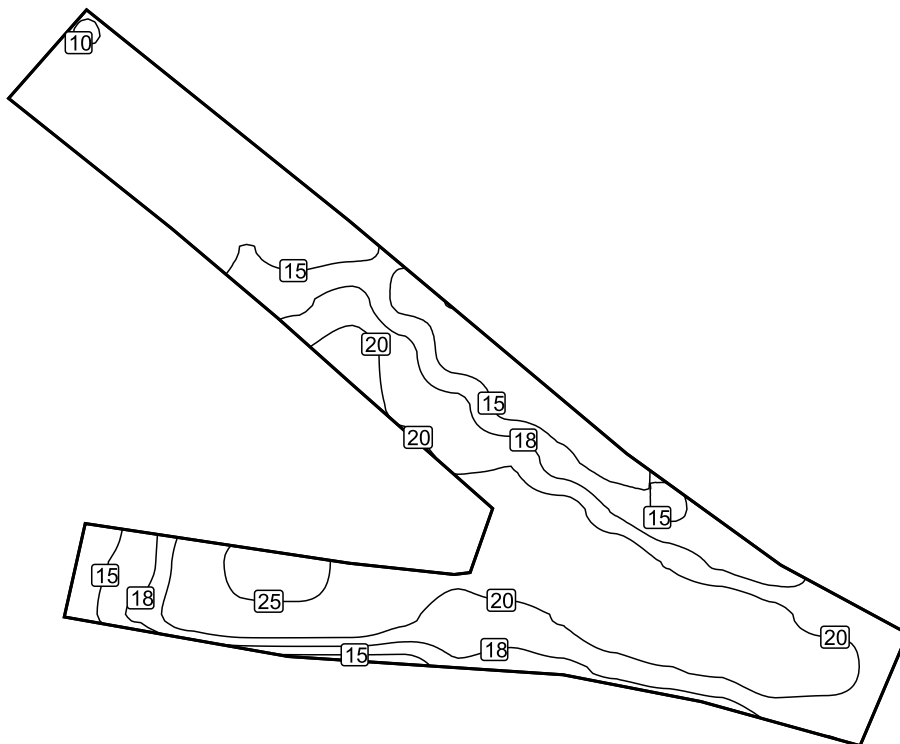
ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 1: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 17.8 lx, Min: 9.73 lx, Max: 27.0 lx, Min/average: 0.55, Min/max: 0.36

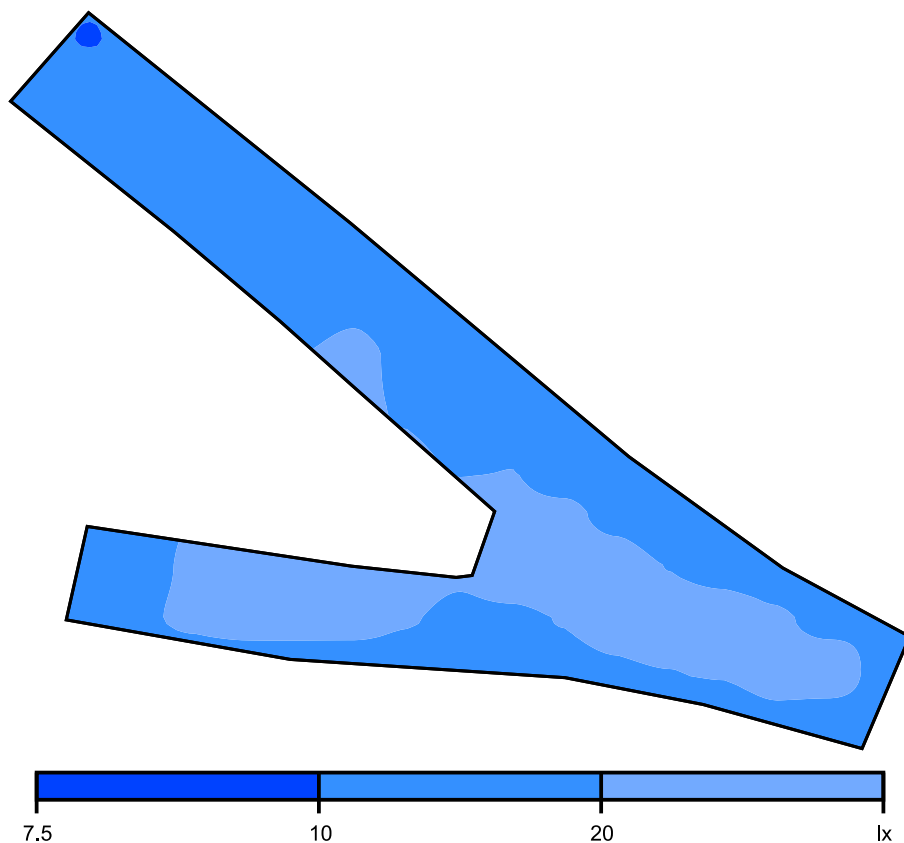
Height: 0.000 m

Isolines [lx]



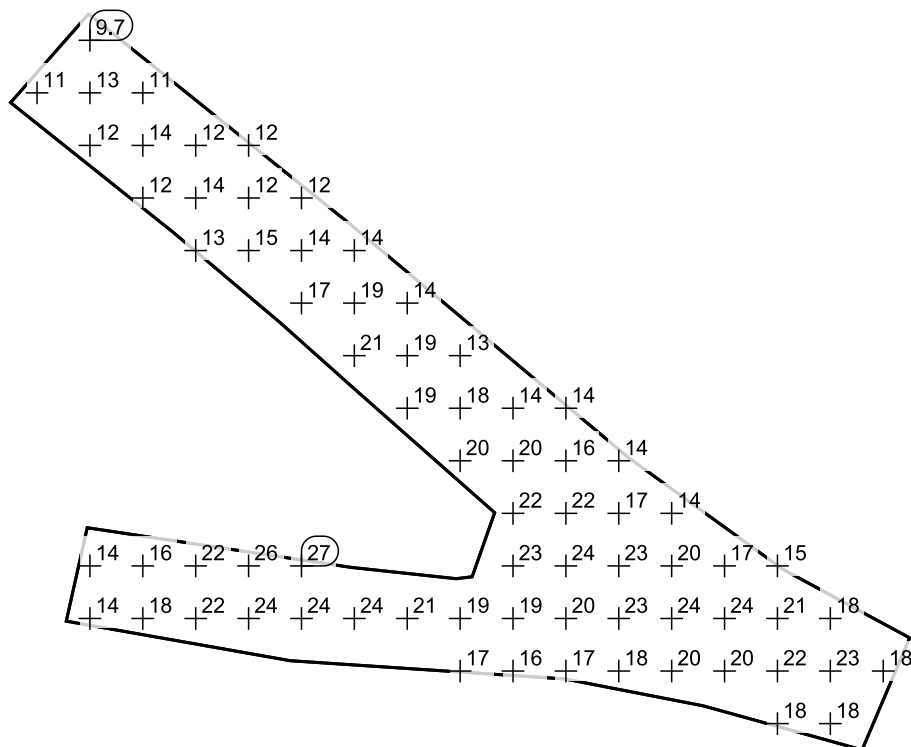
Scale: 1 : 500

False colors [lx]



Scale: 1 : 500

Value grid [lx]



Scale: 1 : 500

ΦΩΤΟΤΕΧΝΙΚΗ ΜΕΛΕΤΗ - ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 2

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ΠΟΤΑΜΙΑ ΘΑΣΟΥ

Luminaire layout plan.....6

Luminaire parts list.....7

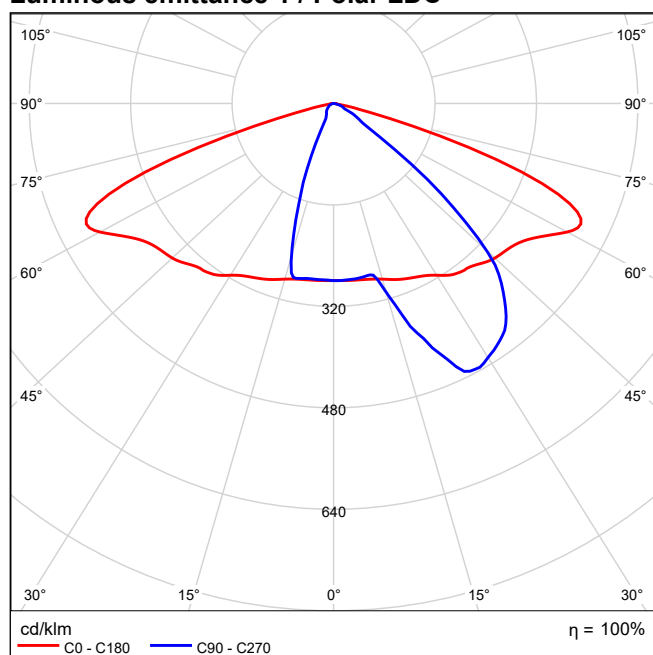
Results summary of surfaces.....8

ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 2 / Perpendicular illuminance.....9

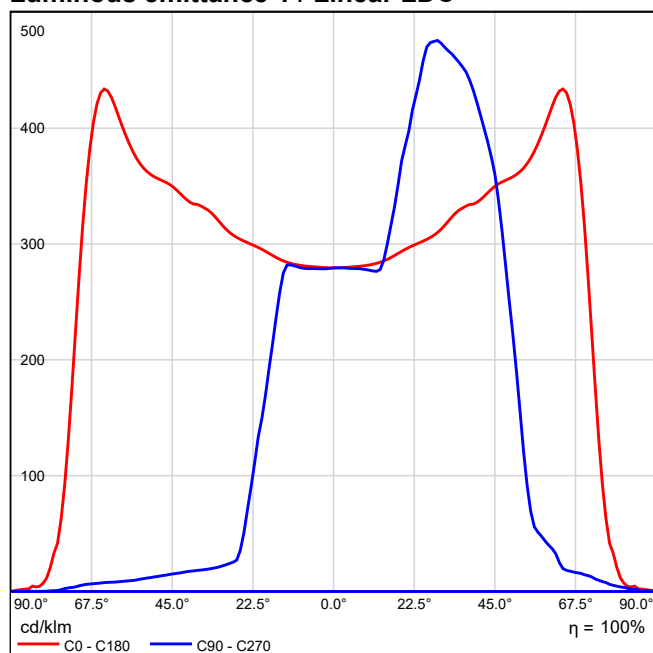
See our luminaire
catalog for an image of
the luminaire.

Light output ratio: 100%
Luminaire luminous flux: 7120 lm
Power: 58.0 W
Luminous efficacy: 122.8 lm/W

Luminous emittance 1 / Polar LDC

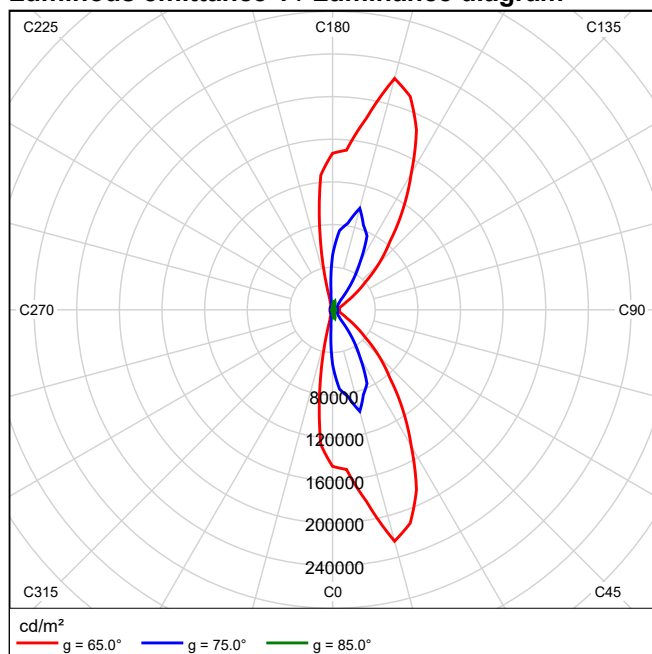


Luminous emittance 1 / Linear LDC



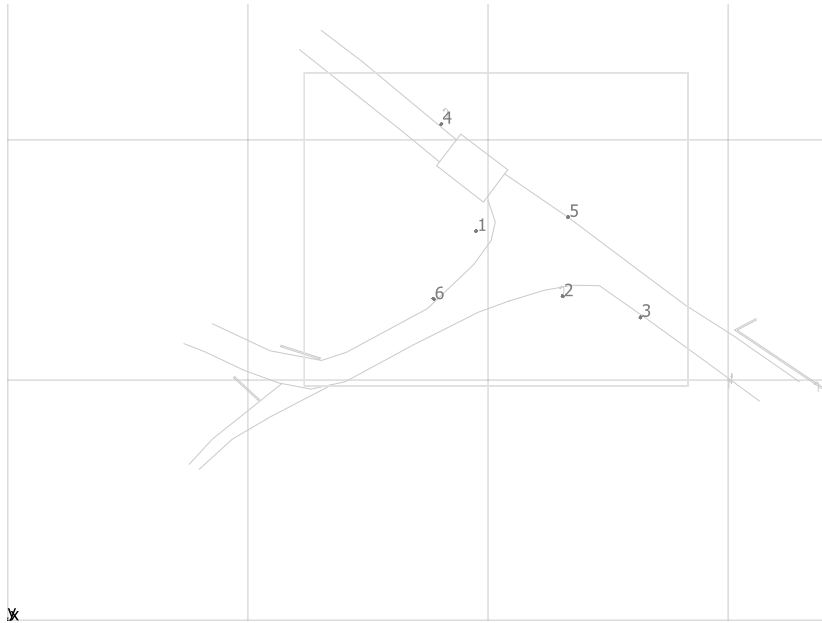
It is not possible to generate a cone diagram, as the light distribution is asymmetrical.

Luminous emittance 1 / Luminance diagram



It is not possible to generate a UGR diagram, as the light distribution is asymmetrical.

ΠΟΤΑΜΙΑ ΘΑΣΟΥ

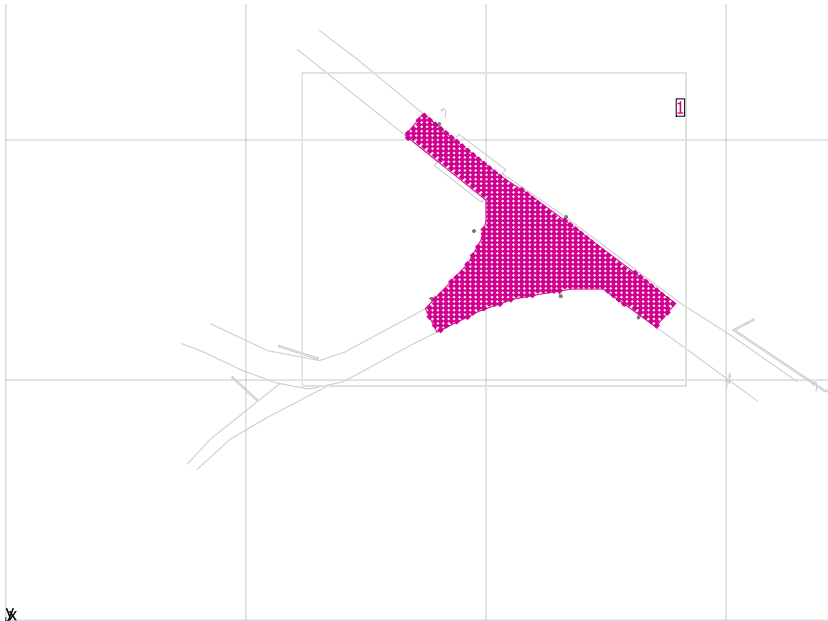


No.	X [m]	Y [m]	Mounting height [m]	Light loss factor
1	97.518	81.011	12.000	0.80
2	115.550	67.436	12.000	0.80
3	131.758	63.054	12.000	0.80
4	90.269	103.287	12.000	0.80
5	116.680	83.922	12.000	0.80
6	88.650	66.912	12.000	0.80

ΠΟΤΑΜΙΑ ΘΑΣΟΥ

# Luminaire	Φ(Luminaire) [lm]	Power [W]	Luminous efficacy [lm/W]
6	7120	58.0	122.8
Total via all luminaires	42720	348.0	122.8

ΠΟΤΑΜΙΑ ΘΑΣΟΥ

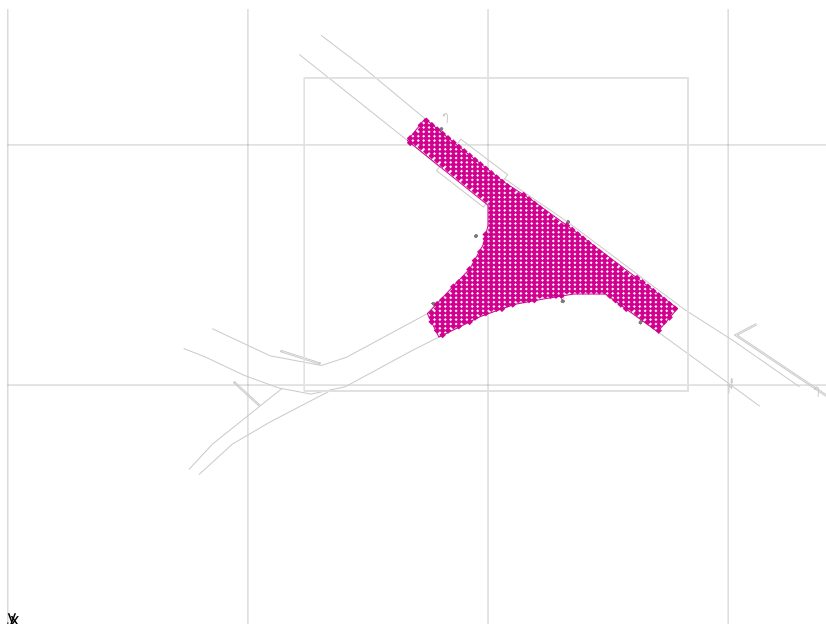


Light loss factor: 0.80

General

Surface	Result	Average (Target)	Min	Max	Min/average	Min/max
1 ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 2	Perpendicular illuminance [lx] Height: 0.000 m	17.4	7.56	30.4	0.43	0.25

ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 2 / Perpendicular illuminance



Light loss factor: 0.80

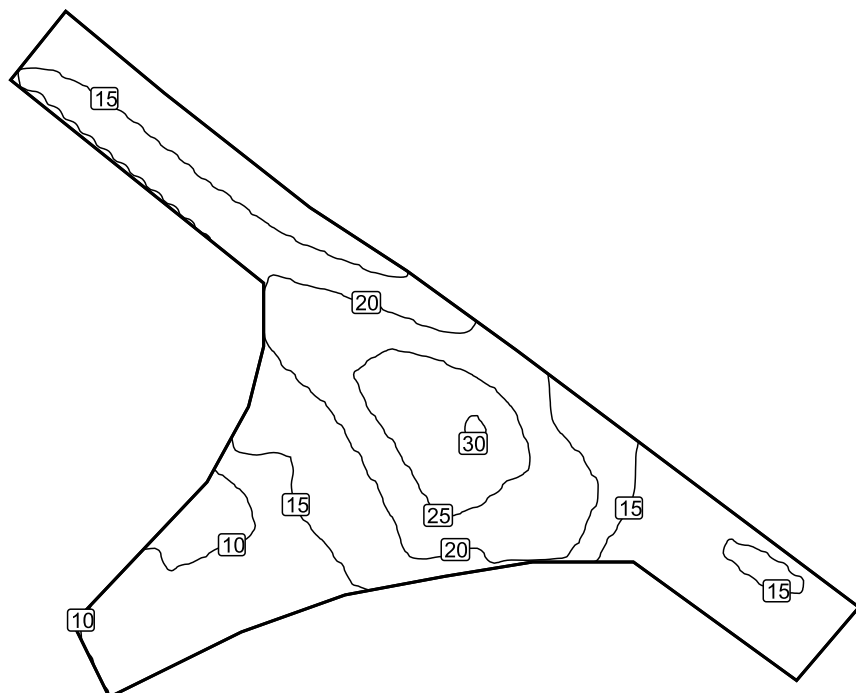
ΚΟΜΒΟΣ ΠΟΤΑΜΙΑΣ 2: Perpendicular illuminance (Grid)

Light scene: Light scene 1

Average: 17.4 lx, Min: 7.56 lx, Max: 30.4 lx, Min/average: 0.43, Min/max: 0.25

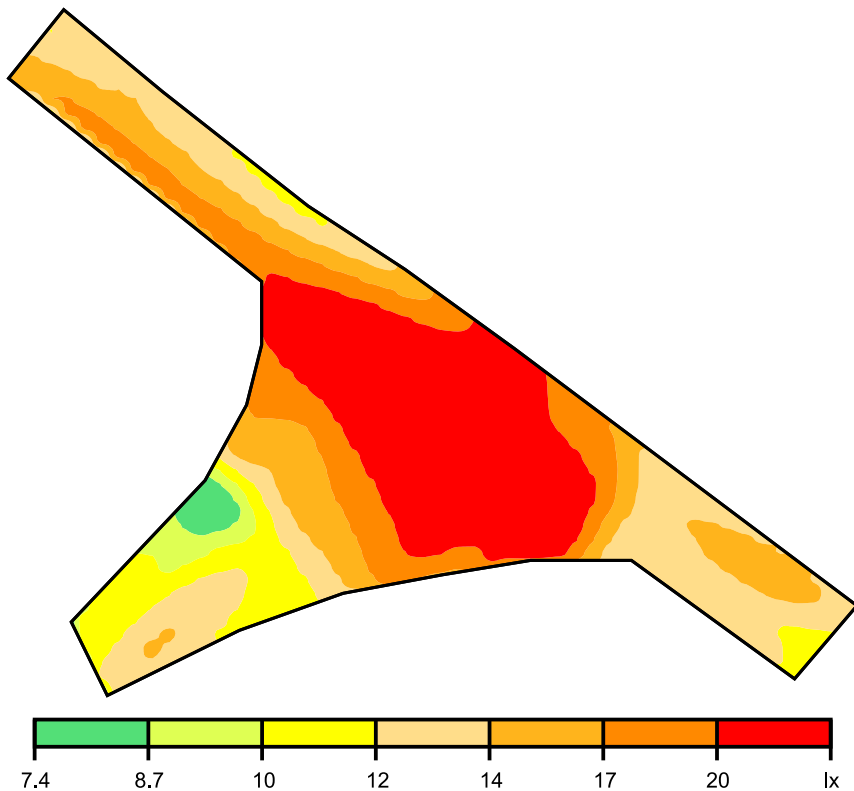
Height: 0.000 m

Isolines [lx]



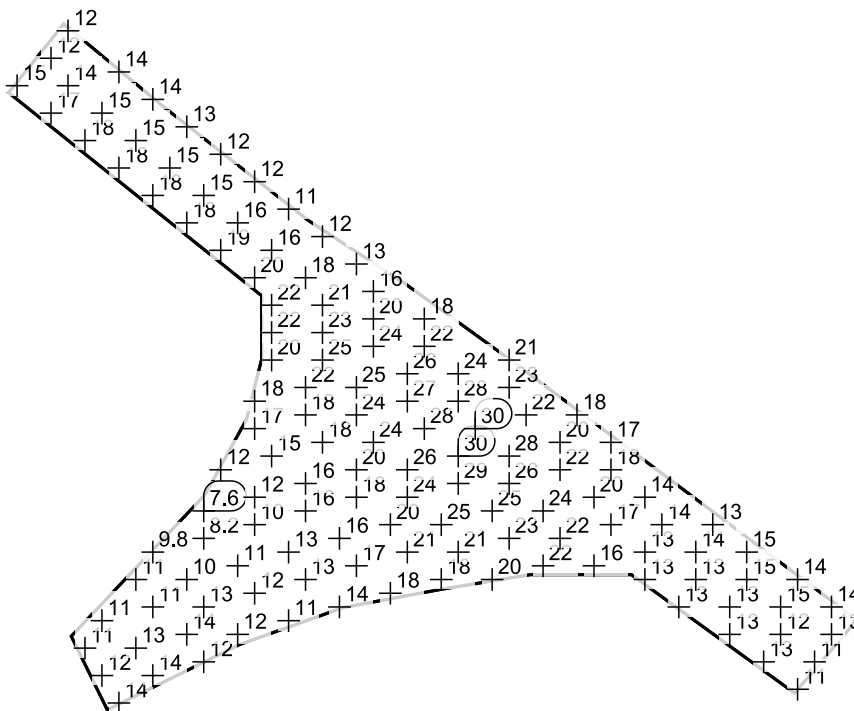
Scale: 1 : 500

False colors [lx]



Scale: 1 : 500

Value grid [lx]



Scale: 1 : 500