

THORN

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KIG Intermodal area - LIZ0067878

Illuminance Calculation Report

File : ...
Project : Corridor
Date 22/6/2007

Sales engineer : ...
Client : ...
Author: oriol.cid

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Illuminance Calculation Report

Road Section 1

Scheme parameters

Drive side Left side drive
 Road surface REVRL6 Qo=0.073 S1=0.437
 Q0 0.073
 Section length 240m
 Number of lanes 2
 Lane width 4m

Subsidiary lane parameters

Road side	Description	Width	Wall	Wall height
Right	Other	0.00m	Yes	1.00m
Left	Other	0.00m	Yes	1.00m

Luminaire details

Row	Catalogue Number/Description
1	96231244 ORUS 35W HIT DGE CL1 MFX ROAD

Row	Lane	Side	Lamp Type	Lamp Position	Lamp Flux	Maintenance Factor
1	Lane 1	left	35W GE ConstantColor CMH		3400	0.8

Row	Height(m)	Spacing(m)	Staggered	Overhang(m)	Setback(m)	Rotation(deg)	Tilt(deg)	Twist(deg)
1	0.9	12.5	No	-1.5	1.5	180	-1	0

NOTE. Lane 1 is defined as the first lane on the drive side therefore for left side drive lane 1 is on the left and for right side drive lane 1 is on the right

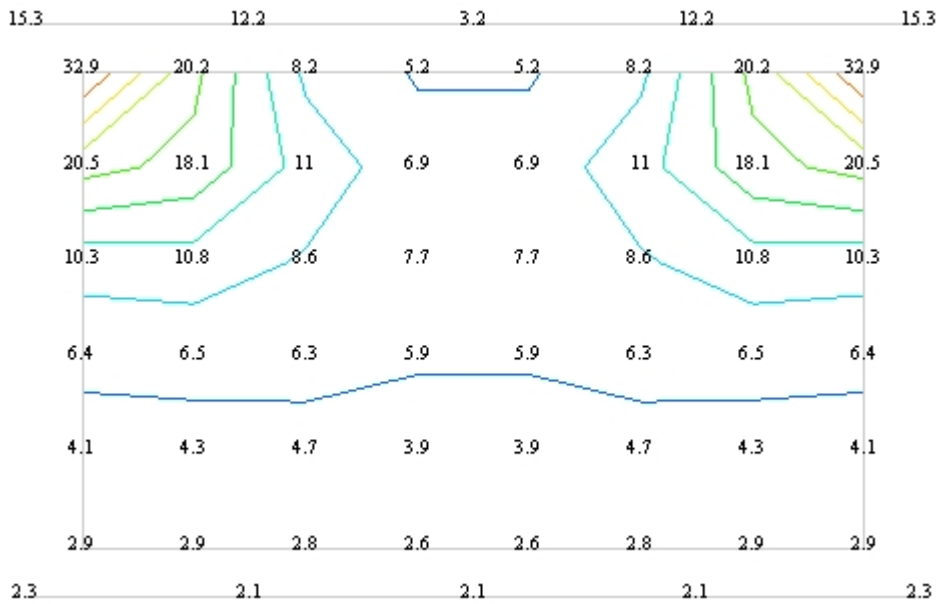
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Illuminance Calculation Report

Road Section 1

Calculation results : CEN EN 13201 - ME4b - Flat Beam

ULR 8.0%



Minimum	2.6 lux	Overall uniformity	0.3
Maximum	32.9 lux	Diversity (Emin/Emax)	0.1
Average	8.9 lux	Luminous intensity class	unclassified

 Surround ratio unclassified

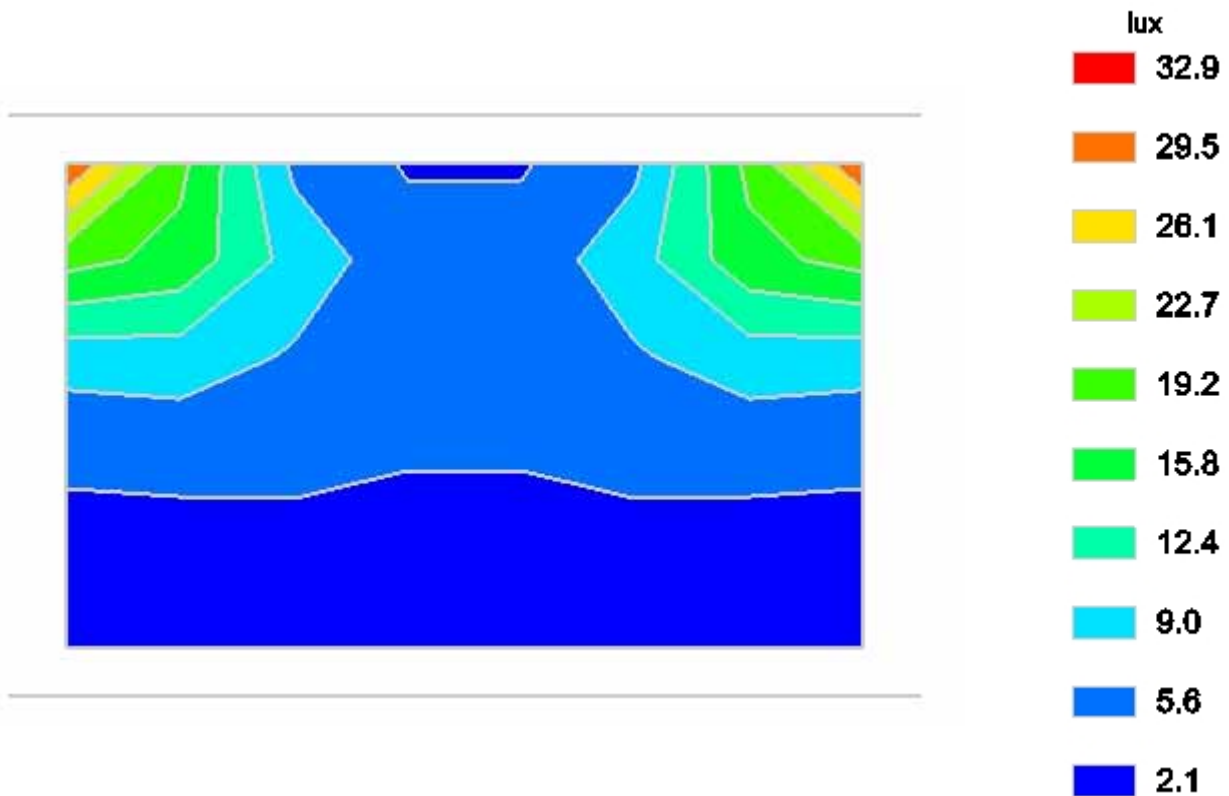
This calculation is only valid for specified luminaires under the exact given conditions

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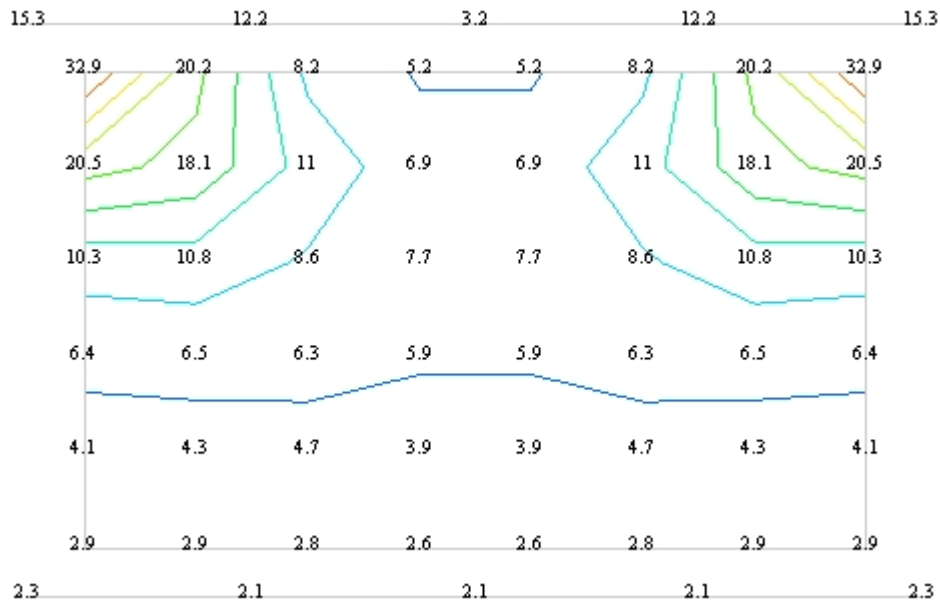
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Illuminance Calculation Report

Road Section 1

Calculation results : CEN EN 13201 - S3 - Flat Beam

ULR 8.0%



Minimum	2.6 lux	Overall uniformity	0.3
Maximum	32.9 lux	Diversity (Emin/Emax)	0.1
Average	8.9 lux	Luminous intensity class	unclassified

- Average 8.9 passes limit of ≥ 7.5 Lux
- Average 8.9 passes limit of ≤ 11.2 Lux
- Minimum 2.6 passes limit of ≥ 1.5 Lux

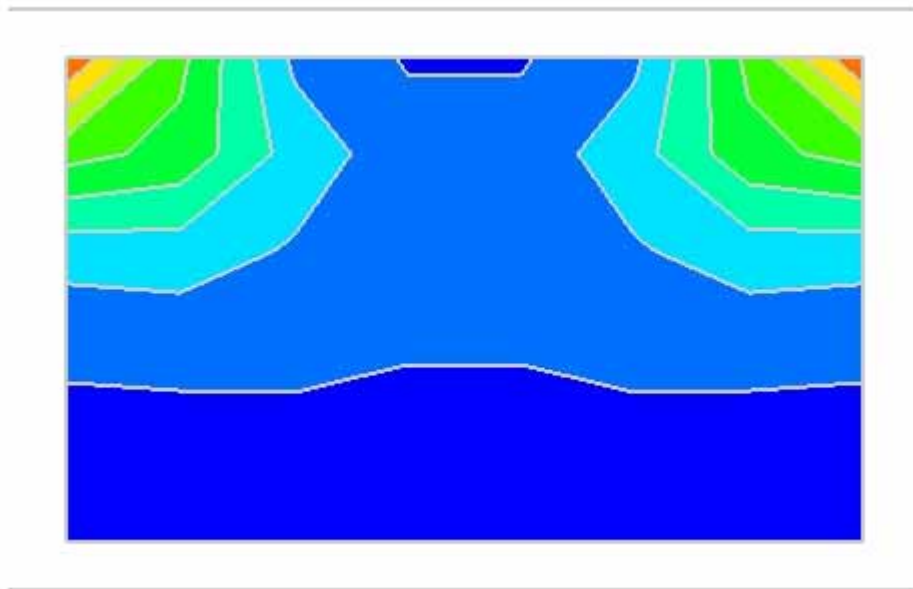
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Road Section 1

Calculation results : CEN EN 13201 - S3 - Flat Beam



lux

	32.9
	29.5
	28.1
	22.7
	19.2
	15.8
	12.4
	9.0
	5.6
	2.1