

Dimensions are not to be scaled from this drawing



Kingfisher Lighting

Part of the Luceco PLC group of companies



Obtrusive Light - Compliance Report

CIE 150:2017, E2-Low District Brightness,
Pre-Curfew
Filename: 47268 Heolgerrig community school
21/09/2022 11:06:31

Illuminance
Maximum Allowable Value: 5 Lux

Calculations Tested (4):

Calculation Label	Test Results	Max. Illum.
House Row 1_Ill_Seg1	PASS	1
House Row 2_Ill_Seg1	PASS	1
House Row 3_Ill_Seg1	PASS	0
House Row 4_Ill_Seg1	PASS	0

Luminous Intensity (Cd) At Vertical Planes
Maximum Allowable Value calculated from CIE 150:2017 (varies by Projected Area sq.m. and Distance Factor)

For E2-Low District Brightness, Projected Area and Distance Factors:

(0.002, 0.57) (0.01, 1.3) (0.03, 2.5) (0.13, 5) (0.5, 10)

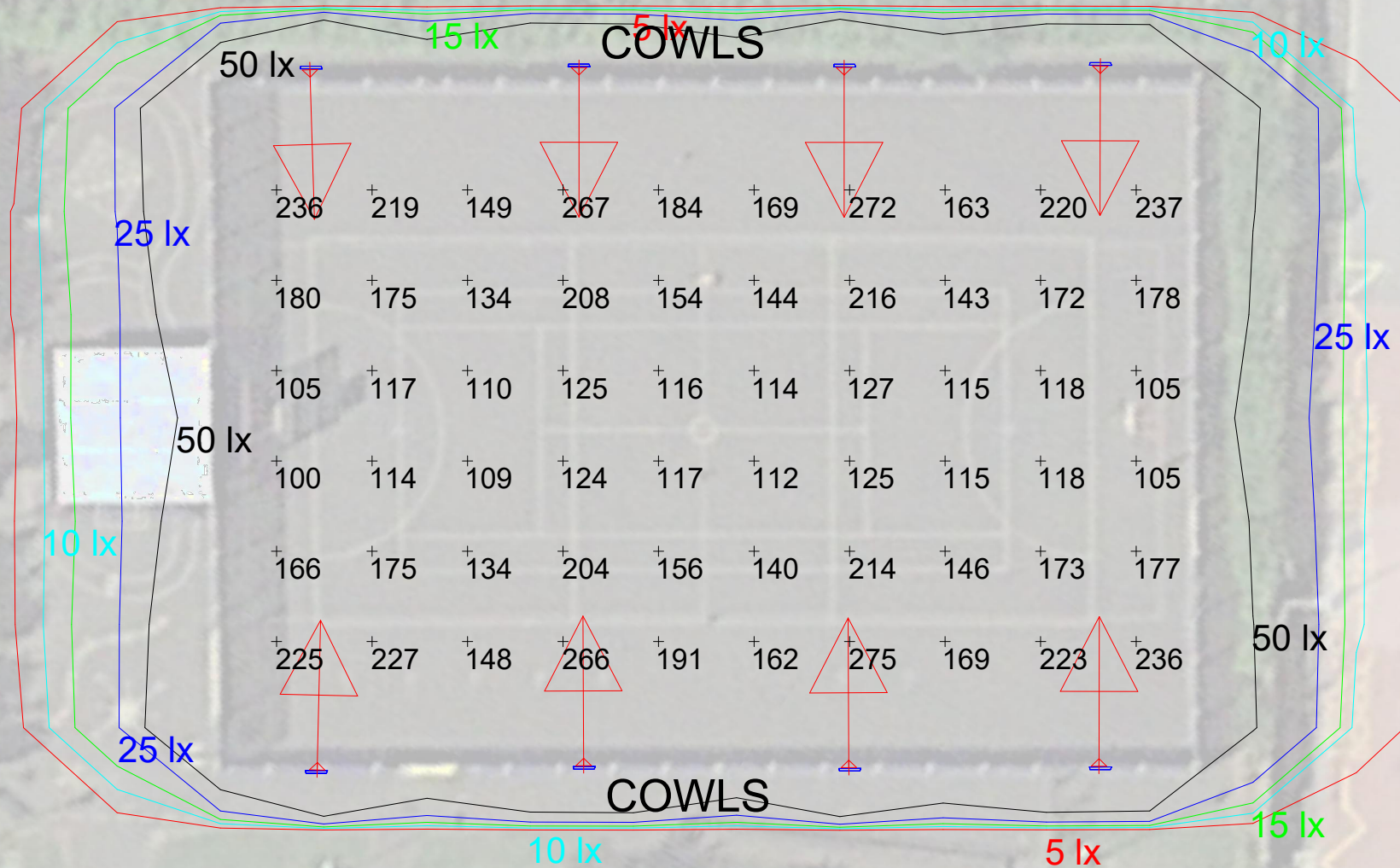
Projected Area (sq.m) = Approx. projected emitting area of luminaire in direction of observer

Distance (m) = Distance from luminaire to observer

Max Cd Allowed = Projected Area Factor * Distance

Calculations Tested (4):

Calculation Label	Test Results
House Row 1_Cd_Seg1	PASS
House Row 2_Cd_Seg1	PASS
House Row 3_Cd_Seg1	PASS
House Row 4_Cd_Seg1	PASS



Calculation Summary

Project: ILP

Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
House Row 1_Cd_Seg1	Obtrusive - Cd	N.A.	884.00	1056	720	0.81	0.68
House Row 1_Ill_Seg1	Obtrusive - Ill	Lux	0.20	1	0	0.00	0.00
House Row 2_Cd_Seg1	Obtrusive - Cd	N.A.	509.73	748	267	0.52	0.36
House Row 2_Ill_Seg1	Obtrusive - Ill	Lux	0.36	1	0	0.00	0.00
House Row 3_Cd_Seg1	Obtrusive - Cd	N.A.	780.33	825	738	0.95	0.89
House Row 3_Ill_Seg1	Obtrusive - Ill	Lux	0.00	0	0	N.A.	N.A.
House Row 4_Cd_Seg1	Obtrusive - Cd	N.A.	449.71	706	271	0.60	0.38
House Row 4_Ill_Seg1	Obtrusive - Ill	Lux	0.14	1	0	0.00	0.00

Calculation Summary

Project: Project_1

Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
MUGA	Illuminance	Lux	165.30	275	100	0.60	0.36

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description
	8	A 250w 2700K Narrow + COWLS	SINGLE	250w LED 2700k Zactis 645mA Floodlight with FL50 Optic @ 5m

House Row 2

House Row 1

Project Title: Heolgerrig community school

Scale

1:250 at A2

Project Number

47268



For our LED lighting designs a 0.9mf has been used. If this differs from the maintenance period for this project then you must advise us accordingly

Date

21/09/2022

Drawing No.

Rev A

Lighting Designer: RH

A lighting applications design service is provided by us in good faith and without charge, relating to Kingfisher products only. As such, whilst every endeavor is made for accuracy from information provided by yourselves, the final responsibility for the suitability of the design lies with the client. The company cannot, therefore, accept any liability or consequential loss incurred.

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