



Obtrusive Light - Compliance Report
CIE 150:2017, E2-Low District Brightness,
Pre-Curfew
Filename: 47268 Heolgerrig community school
04/09/2023 11:06:31

Illuminance
Maximum Allowable Value: 5 Lux

Calculations Tested (4):

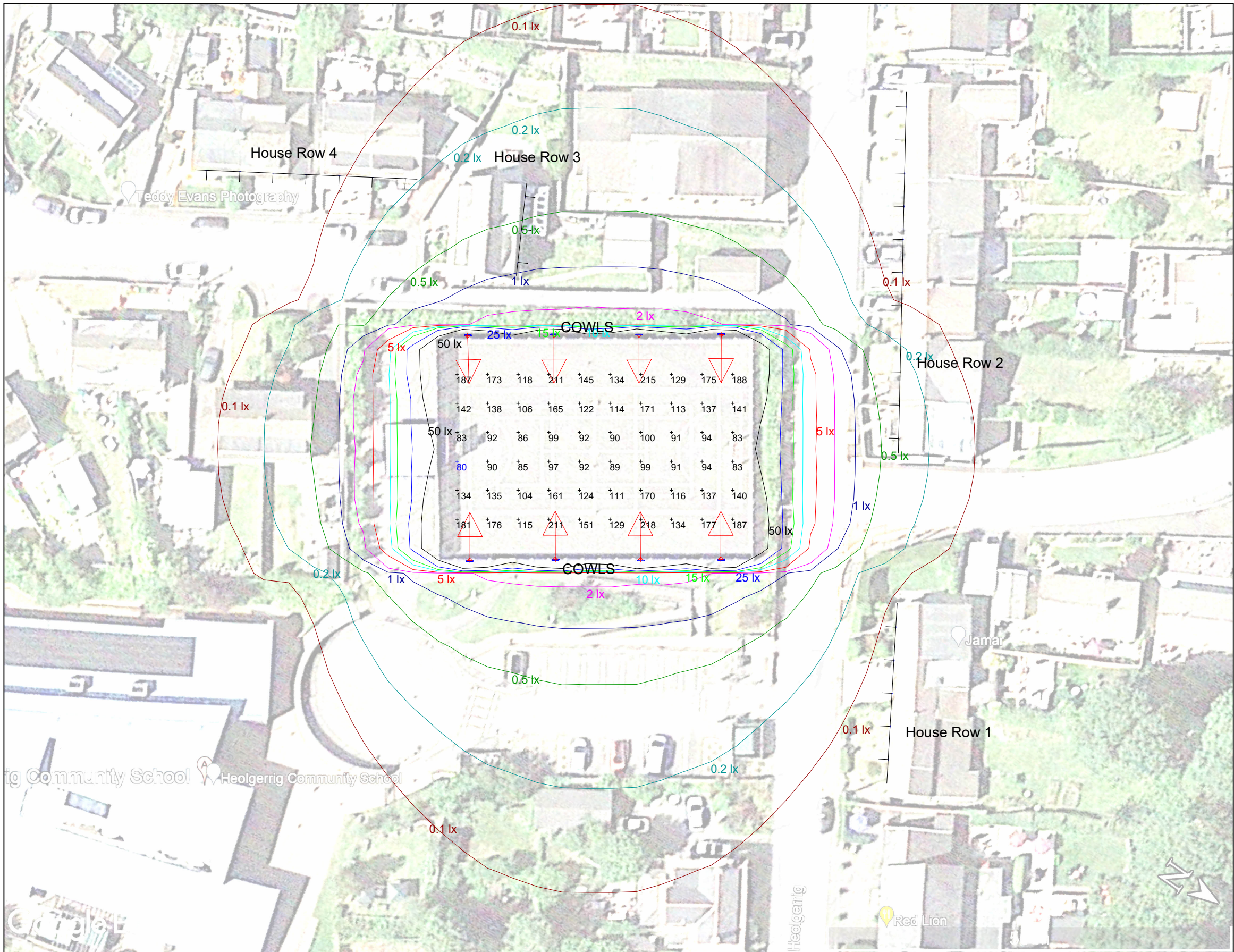
Calculation Label	Test Results	Max. Illum.
House Row 1_Ill_Seg1	PASS	1
House Row 2_Ill_Seg1	PASS	1
House Row 3_Ill_Seg1	PASS	0
House Row 4_Ill_Seg1	PASS	0

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.	700.80	837	571	0.81	0.68
House Row 1_Ill_Seg1	Obtrusive - Ill	Lux	0.00	0	0	N.A.	N.A.
House Row 2_Cd_Seg1	Obtrusive - Cd	N.A.	404.27	593	212	0.52	0.36
House Row 2_Ill_Seg1	Obtrusive - Ill	Lux	0.27	1	0	0.00	0.00
House Row 3_Cd_Seg1	Obtrusive - Cd	N.A.	618.67	654	585	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.	374.57	579	224	0.60	0.39
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	130.75	218	80	0.61	0.37

Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
→	8	A 250w 2700K Narrow + COWLS	SINGLE	1 x 250w LED 2700K Zactis 645mA Floodlight with FL50 Optic @ 5m - Dimmed to 120

Project Title: Heolgerrig community school

Scale
1:250 at A2
Project Number
47268



Date
21/09/2022
Drawing No.
Rev A

Lighting Designer: RH

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