

DATE: 26 April 2023
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA17930
PROJECT NAME: Daisy Bank Farm, Upper Tean



Daisy Bank Farm, Upper Tean - Private Area Calculation - R0
6m Standard Spec Columns with Holophane Vmax 3000K LED
Luminaires
BS5489-1:2020 - Lighting Class: P5
Eav 3.00 - 4.50 Lux
Emin 0.60 Lux
Base drawing number used in this calculation 'C1941-C-SK01
Layout Plan Engineering - 14.04.2023'

Outdoor Lighting Report

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 401344.0m x 338983.7m
Area 124.3m x 116.9m
Sample Spacing 1.50m x 1.50m

Luminaires

Luminaire A Data

Supplier	Holophane Council Pref
Type	VMX.2.LA033.V1.F4Q1.W016
Lamp(s)	LED C.3000 Lumens
Lamp Flux (klm)	2.29
File Name	VMX.2.LA033.V1.F4Q1.W016.IES
Maintenance Factor	0.86
Lum. Int. Class	G4
No. in Project	6

Luminaire B Data

Supplier	Holophane Council Pref
Type	VMX.2.LA033.V1.F4Q1.W016
Lamp(s)	LED C.3000 Lumens
Lamp Flux (klm)	2.29
File Name	VMX.2.LA033.V1.F4Q1.W016.IES
Maintenance Factor	0.86
Lum. Int. Class	G4
No. in Project	2

Luminaire C Data

Supplier	Holophane Council Pref
Type	VMX.2.LA023.V1.F4Q1.W012
Lamp(s)	LED C.2000 Lumens
Lamp Flux (klm)	1.65
File Name	VMX.2.LA023.V1.F4Q1.W012.IES
Maintenance Factor	0.86
Lum. Int. Class	G4
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	401278.34	339143.21	6.00	300.00	0.00	0.00	0.40			
2	A	401307.13	339149.15	6.00	115.00	0.00	0.00	0.40			
3	A	401336.84	339158.29	6.00	252.00	0.00	0.00	0.40			
4	A	401363.81	339137.67	6.00	221.00	0.00	0.00	0.40			
5	A	401372.10	339107.57	6.00	31.00	0.00	0.00	0.40			
6	A	401390.76	339086.77	6.00	128.00	0.00	0.00	0.40			
7	B	401369.86	339065.62	6.00	28.00	0.00	0.00	0.40			
8	B	401383.87	339040.75	6.00	20.00	0.00	0.00	0.40			
9	C	401392.95	339022.59	6.00	300.00	0.00	0.00	0.40			
10	C	401367.96	339010.14	6.00	300.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
11	C	401415.28	339034.22	6.00	300.00	0.00	0.00	0.40			
12	C	401440.10	339041.58	6.00	121.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

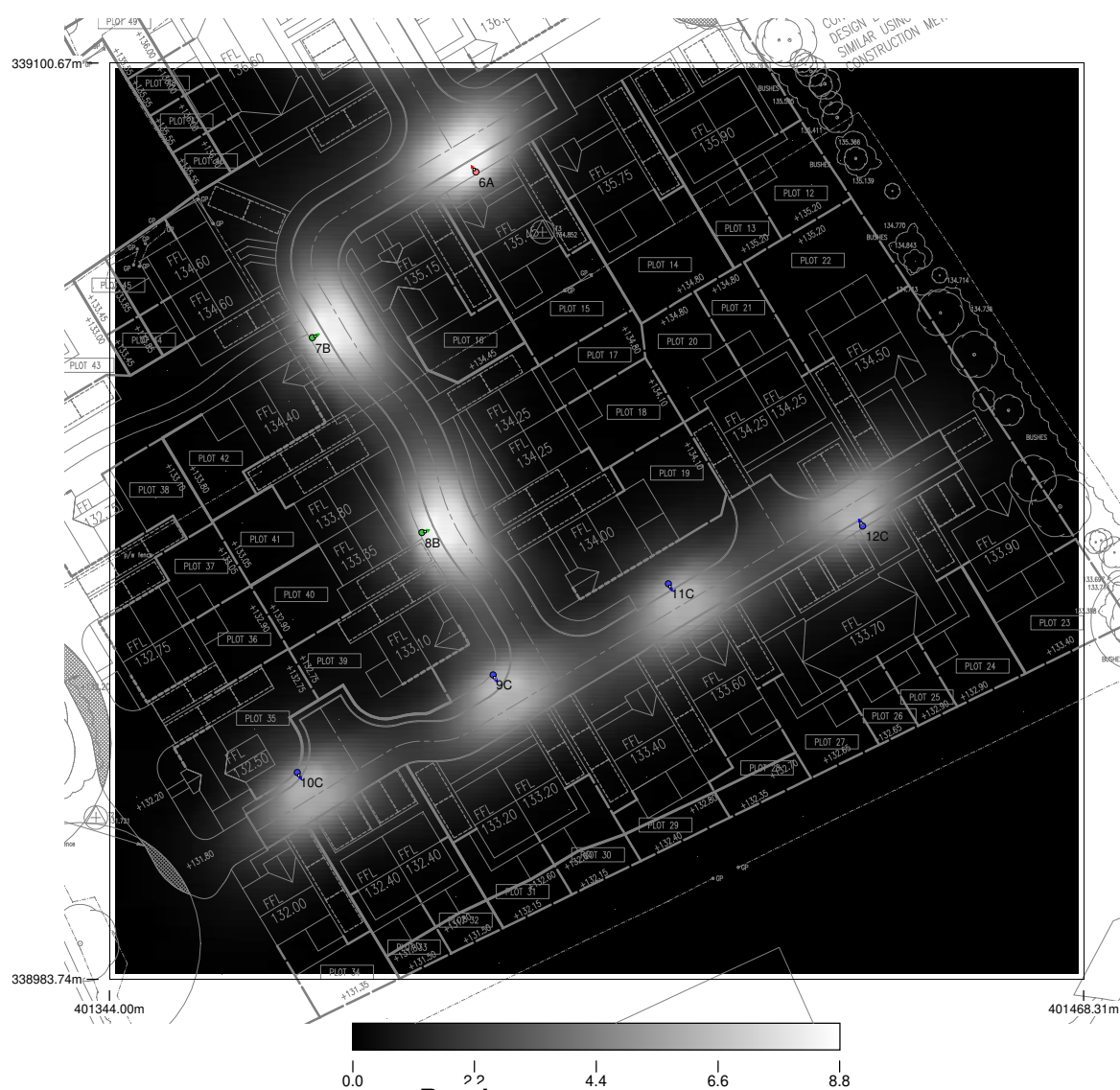


Results

Eav	3.87
Emin	0.81
Emax	8.69
Emin/Emax	0.09
Emin/Eav	0.21

Horizontal Illuminance (lux)

Grid 1



Results

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