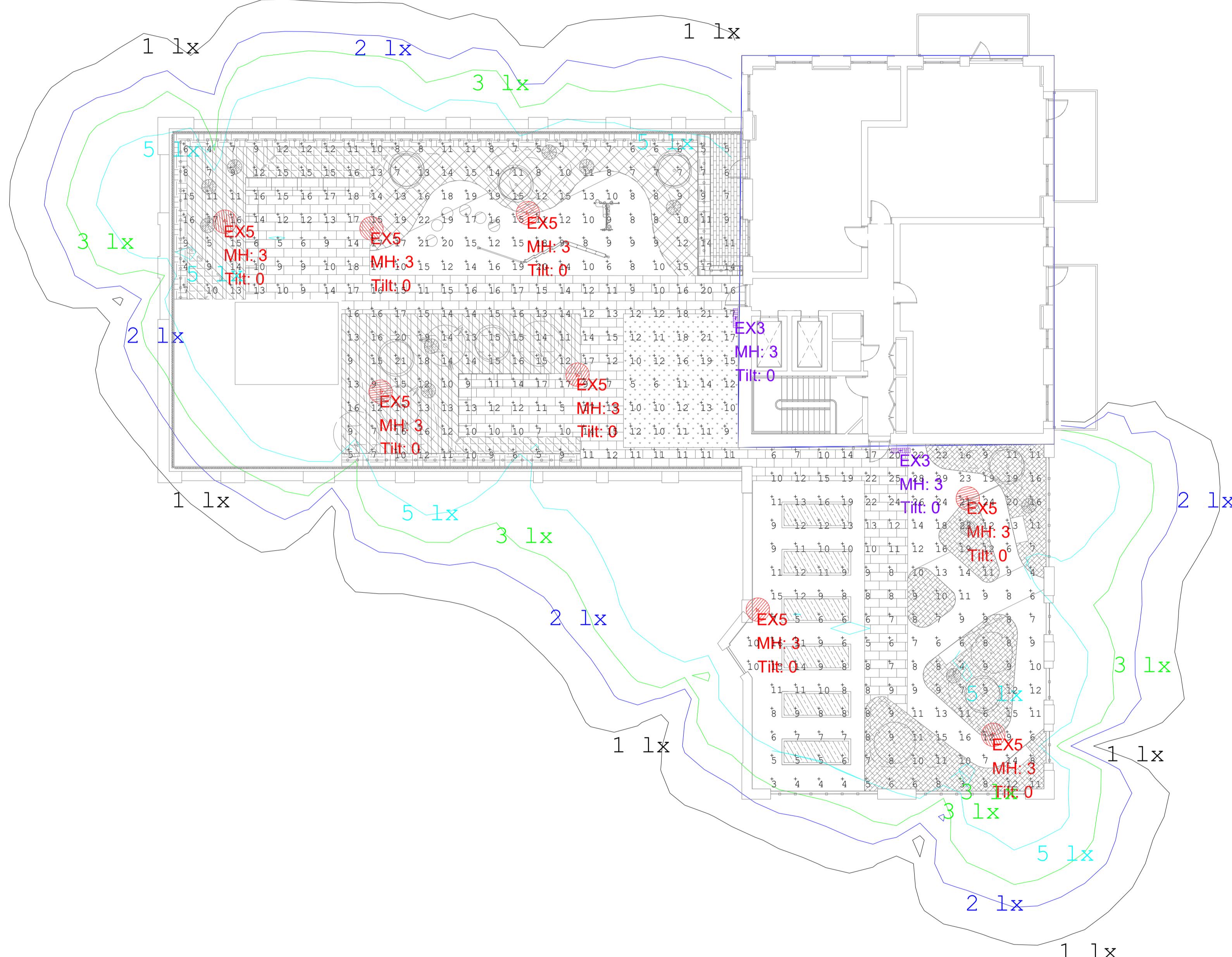


Luminaire Schedule						Lum. Lumens	LLF	
Symbol	Qty	Label	Arrangement	Description				
EX3	2	EX3	SINGLE	6w LED 4000k Semita Urban bulkhead with cycle optic building mounted at 3m.		819	0.900	
EX5	8	EX5	SINGLE	Soul 3m 4000K 0864001A-840 16 dimmed 50%		2100	0.450	

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Uniformity	Diversity
Terrace	Illuminance	Lux	11.75	29	3	0.26	0.10



BREEAM New Construction 2018 (UK)

D48852 Vinyl Square

CO<sub>2</sub> Calculation for A Year

Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	Lm/W	LLF	Total Lumens	ULOR	Upward Lumens	CRI	CO <sub>2</sub> (Tonnes)	Kw/Hour	
4000	5	Semita Urban	6w LED ST	783	6	130.50	100%	3915	0.0%	0	>70	12	0.03	131.40
4000	1	Semita Urban	6w LED FL	812	6	135.33	100%	812	0.0%	0	>70	12	0.01	26.28
4000	2	Semita Urban	6w LED OC	802	6	133.67	100%	160	0.0%	0	>70	12	0.01	52.56
4000	4	Soul 180 1m	19w LED Radial	775	10	77.50	100%	3100	0.0%	0	>70	12	0.04	175.20
4000	10	Soul 180	27w LED Type V	1050	14	75.00	100%	10500	1.8%	189	>70	12	0.13	613.20

GN01 - 2011

Table 1 Compliance

Environmental Zone: E3

Sky Glow: Target 5.00% Achieved 0.95% Status: Pass

Source Intensity (Candela): Post Curfew 10,000 Pass Note: we have not been able to calculate this as no housing is shown on the drawing

Light trespass into Windows (Lux): Post Curfew 1,000 Pass Note: we have not been able to calculate this as no housing is shown on the drawing

Light trespass into Windows (Lux): Pre Curfew 10 Pass Note: we have not been able to calculate this as no housing is shown on the drawing

Building Luminance (cd/m<sup>2</sup>): 10 Pass

Compliance Status: Pass

Reduction of Night Time Light Pollution: Pass

Efficient External Lighting: Pass

Internal And External Lighting Levels: Fail

Note: HEA/01 in this report only applies to exterior lighting

\*\* ART = Average Run Time

Date: 29/03/2023

Vinyl Square Terrace 10

Scale 1:125 at A1 Project Number D48852D TERRACE 10

HEA HEMSA ILP WCA

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 29 March 2023 Drawing No. D48852/PA/10

Lighting Designer: Paul Askew

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