



ENVIRONMENTAL STATEMENT: 6.3 APPENDIX 7-11: SHADING STUDY

DECARBONISATION

Cory Decarbonisation Project

PINS Reference: EN010128

March 2024

Revision A



TABLE OF CONTENTS

1. APPENDIX 7-11: SHADING STUDY	1
1.1. Introduction	1
1.2. Graphical Outputs	2

1. APPENDIX 7-11: SHADING STUDY

1.1. INTRODUCTION

- 1.1.1. WSP UK Ltd has been commissioned by Cory Environmental Holdings Limited (Cory) (hereafter referred to as 'the Applicant') to undertake a shading study, for the Cory Decarbonisation Project to be located at Norman Road, Belvedere in the London Borough of Bexley (LBB; National Grid Reference/NGR 549572, 180512).
- 1.1.2. This report presents the graphical outputs of the shading study only. The assessment is presented within **Chapter 7: Terrestrial Biodiversity (Volume 1)**.

1.2. GRAPHICAL OUTPUTS

SUNLIGHT HOURS RESULTS

1.2.1. The images below illustrate the sunlight hours received by each grid point in the assessed area. The results are presented seasonally (March to September) and annually. The Attenuation Factor images show how much sunlight was lost in the assessed area due to the introduction of the Proposed Scheme.

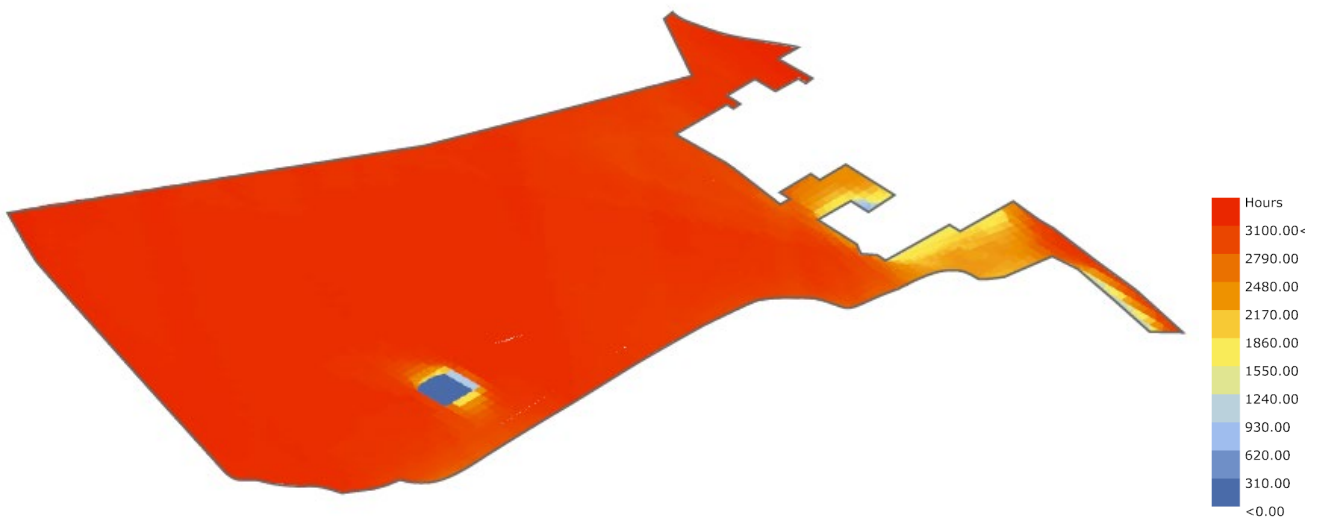


Figure 1-1: Sunlight Hours Results – Seasonal: Baseline Scenario

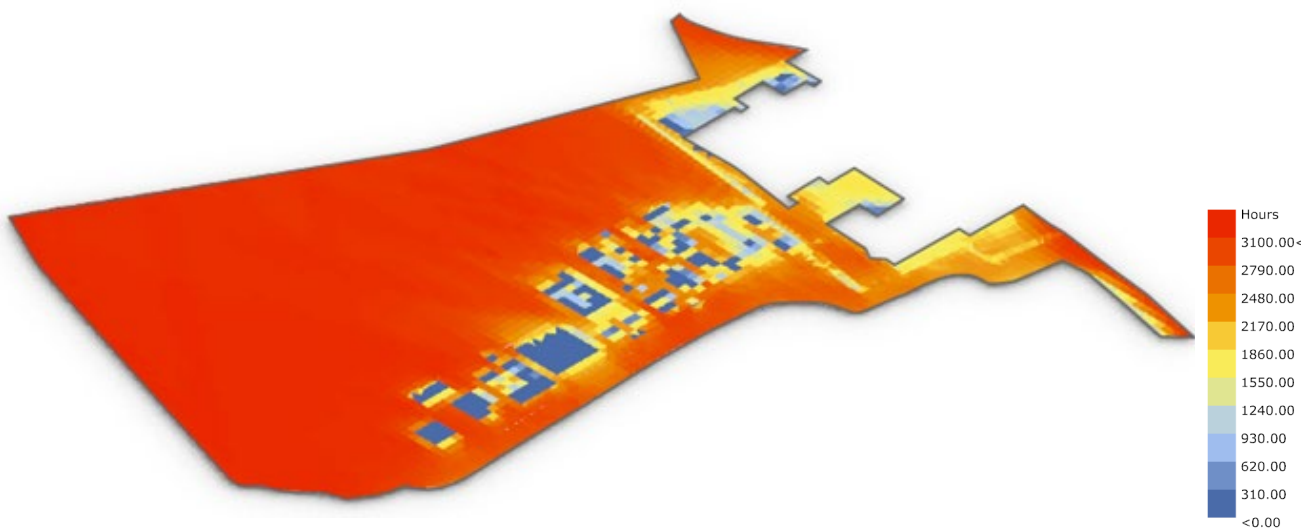


Figure 1-2: Sunlight Hours Results – Seasonal: Proposed Scenario

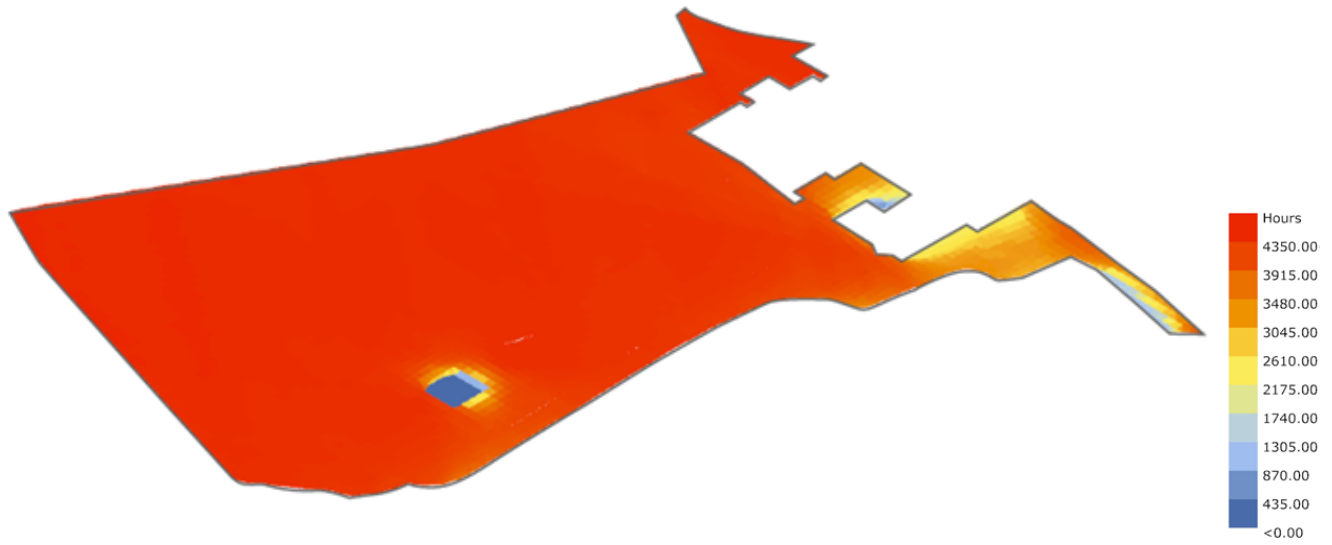


Figure 1-3: Sunlight Hours Results – Annual: Baseline Scenario

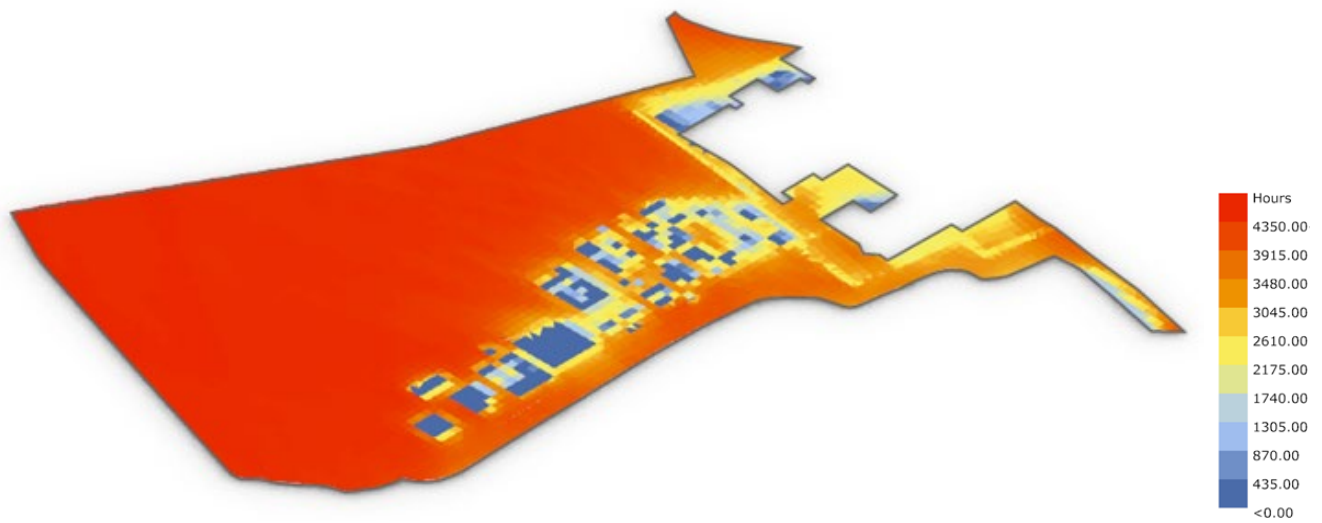


Figure 1-4: Sunlight Hours Results – Annual: Proposed Scenario

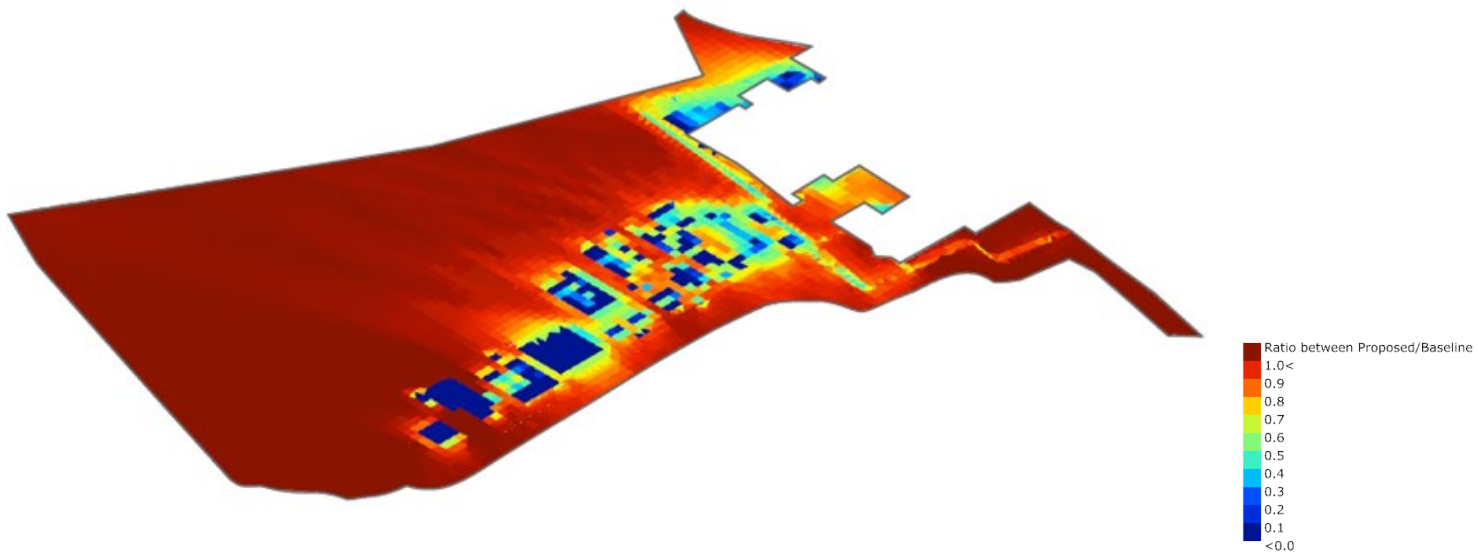


Figure 1-5: Sunlight Hours Results – Seasonal: Attenuation Factor

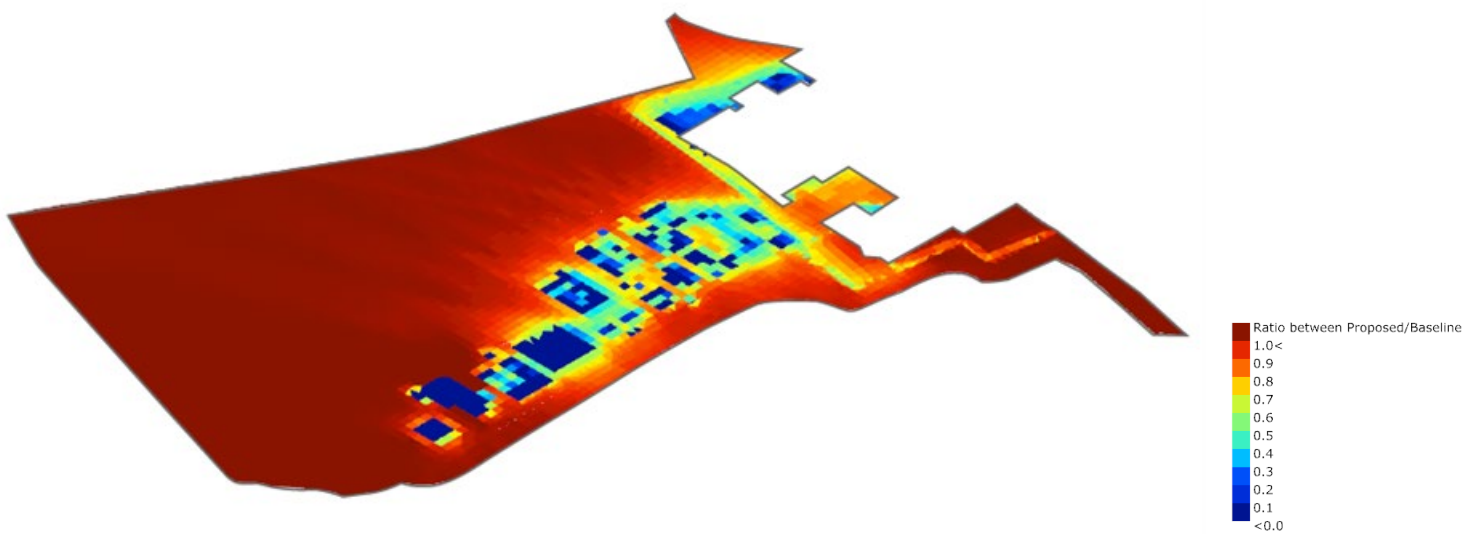


Figure 1-6: Sunlight Hours Results – Annual: Attenuation Factor

CUMULATIVE SOLAR RADIATION RESULTS

1.2.2. The images below show the cumulative radiation levels that each grid point receive seasonally and annually. The Attenuation Factor images show how much solar radiation was lost in the assessed area due to the introduction of the Proposed Scheme.

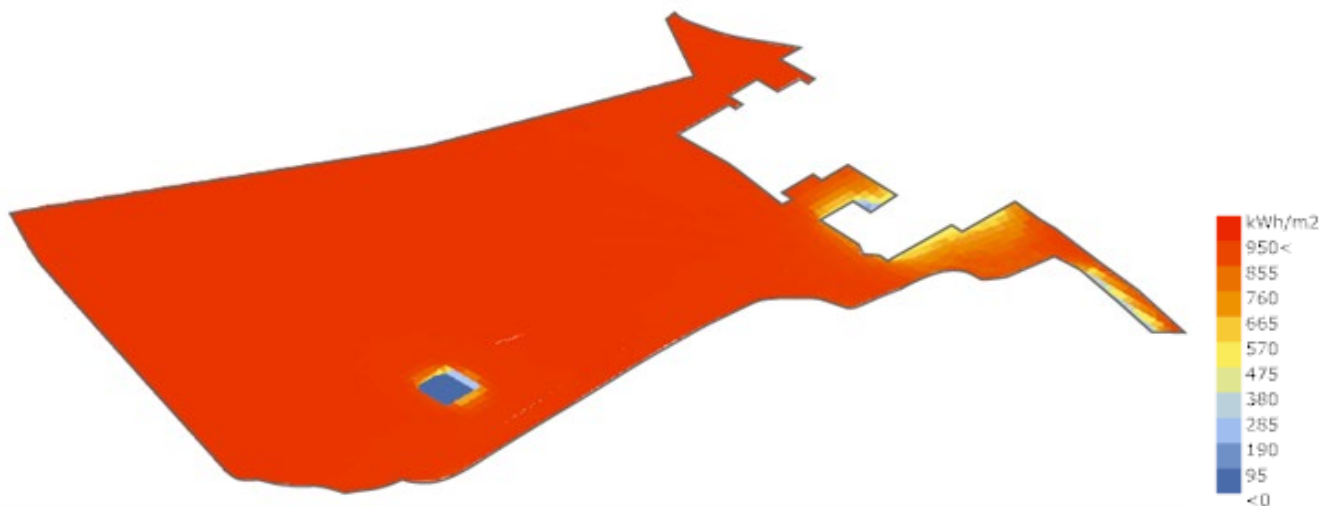


Figure 1-7: Solar Radiation Results – Seasonal: Baseline Scenario

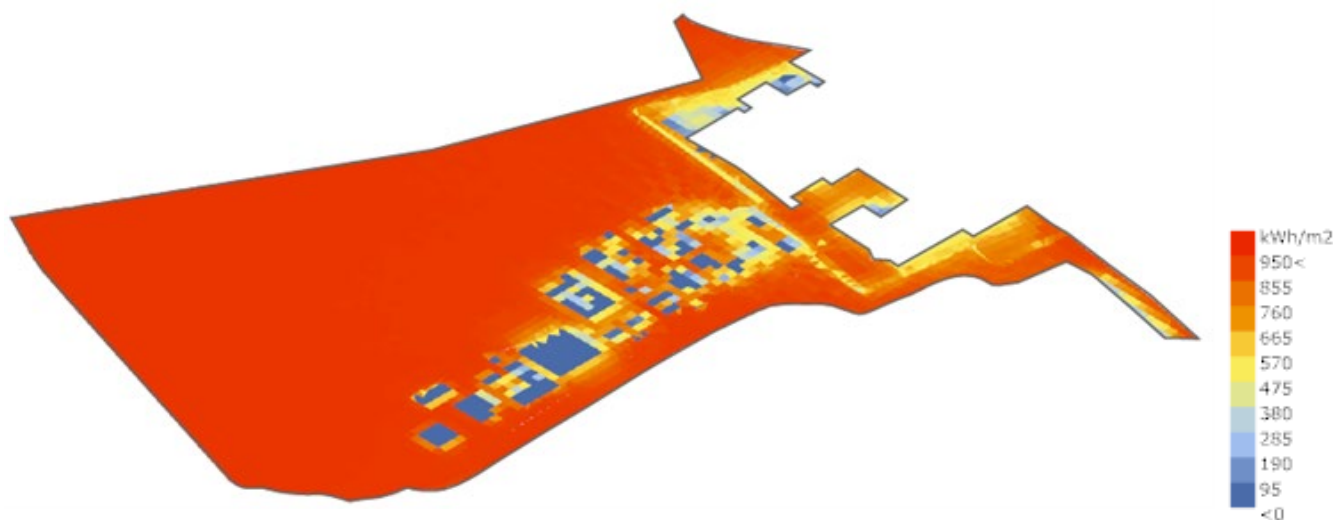


Figure 1-8: Solar Radiation Results – Seasonal: Proposed Scenario

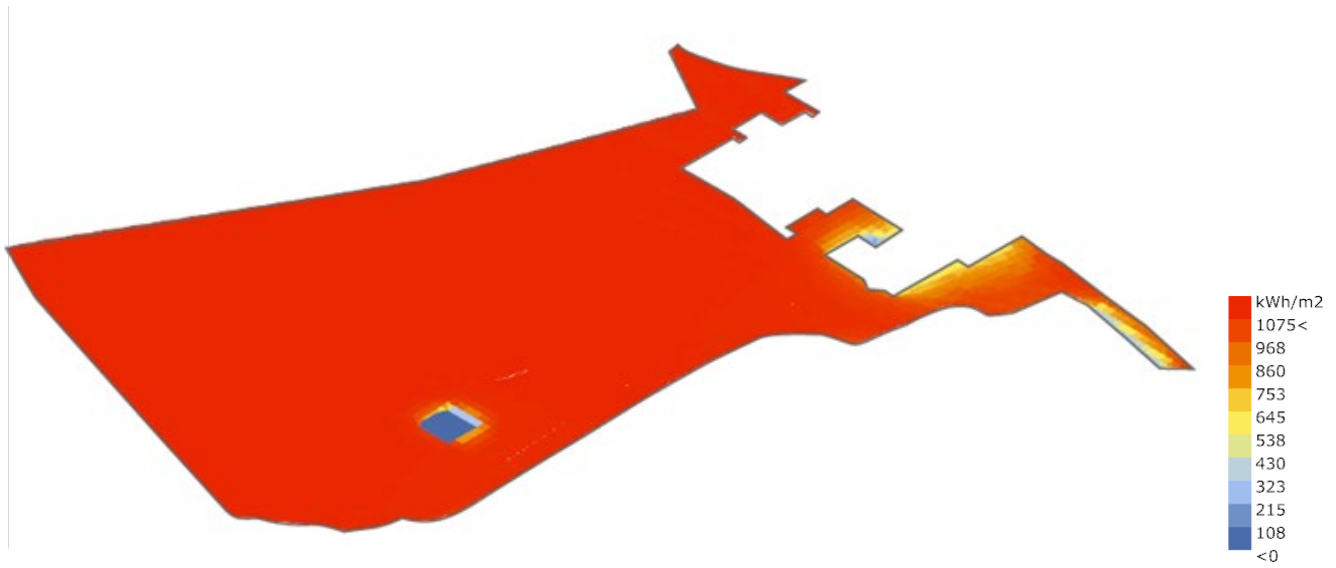


Figure 1-9: Solar Radiation Results – Annual: Baseline Scenario

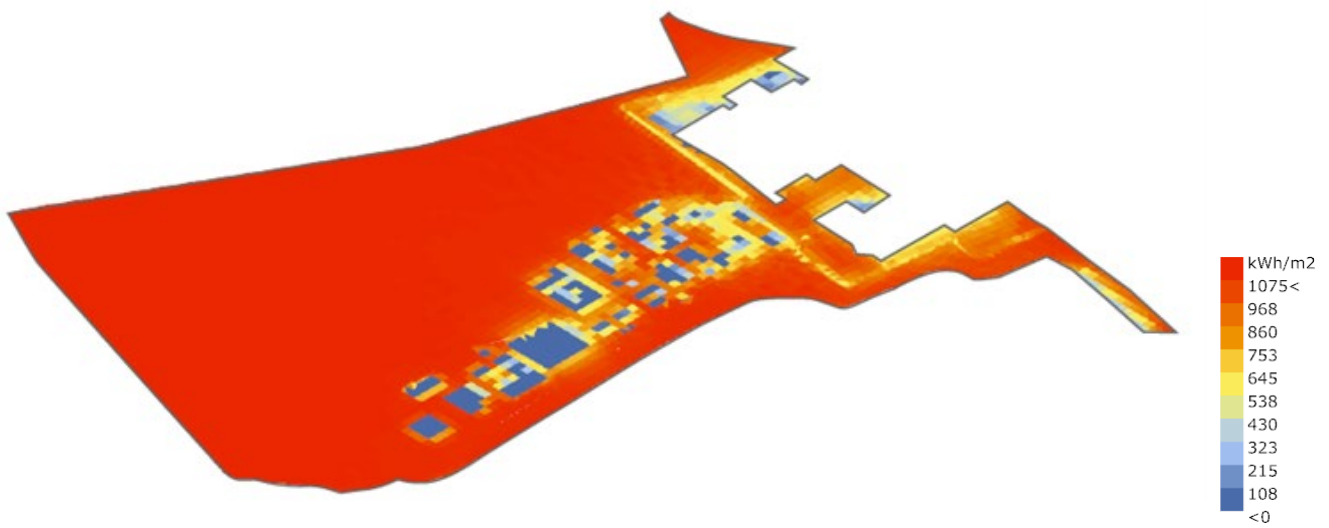


Figure 1-10: Solar Radiation Results – Annual: Proposed Scenario

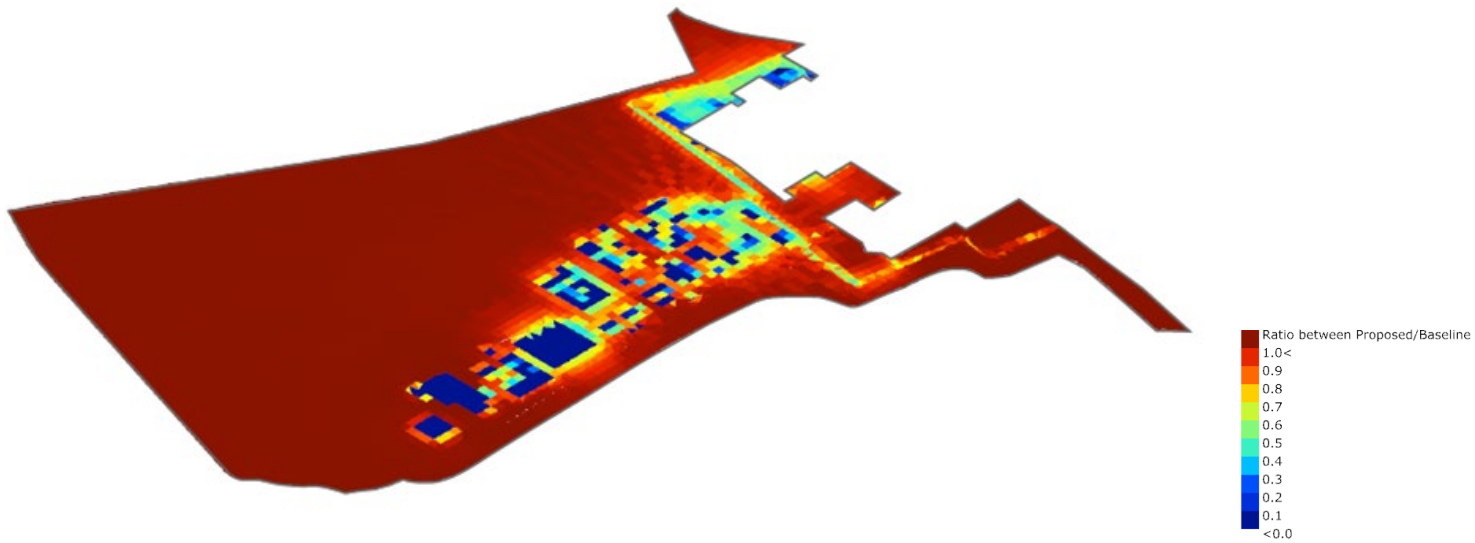


Figure 1-11: Solar Radiation Results – Seasonal: Attenuation Factor

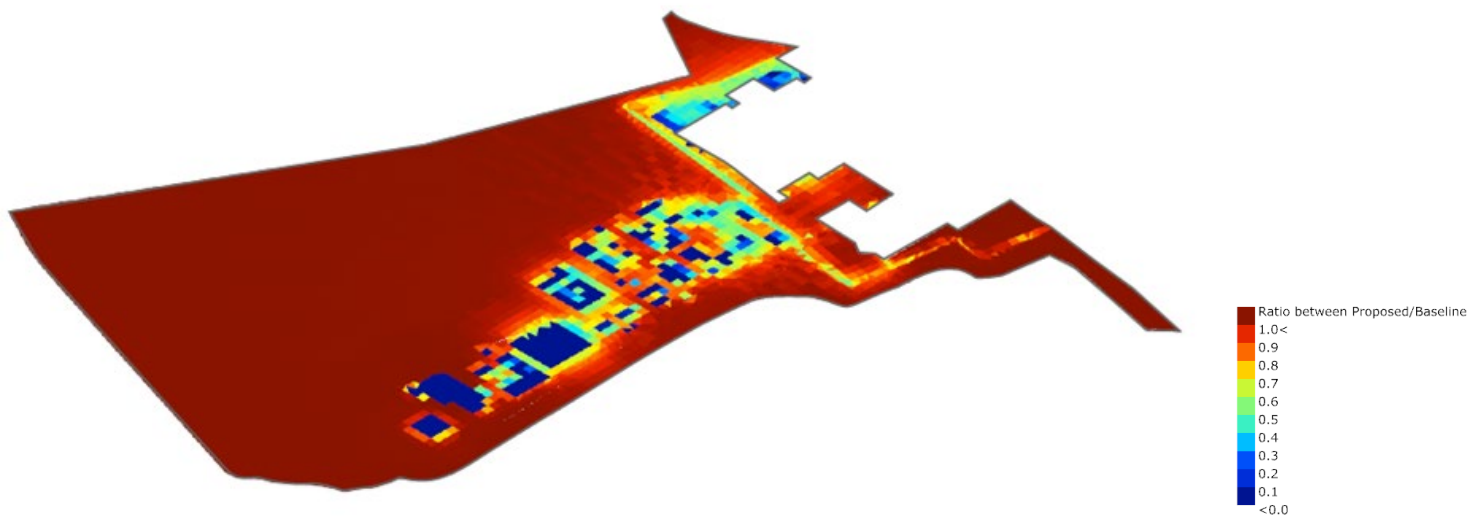


Figure 1-12: Solar Radiation Results – Annual: Attenuation Factor

ILLUMINANCE RESULTS

1.2.3. The images below show the daylight illuminance levels at each grid point in the assessed area. The results are presented seasonally (March to September) and annually. The Attenuation Factor images show how much daylight illuminance was lost in the assessed area due to the introduction of the Proposed Scheme.

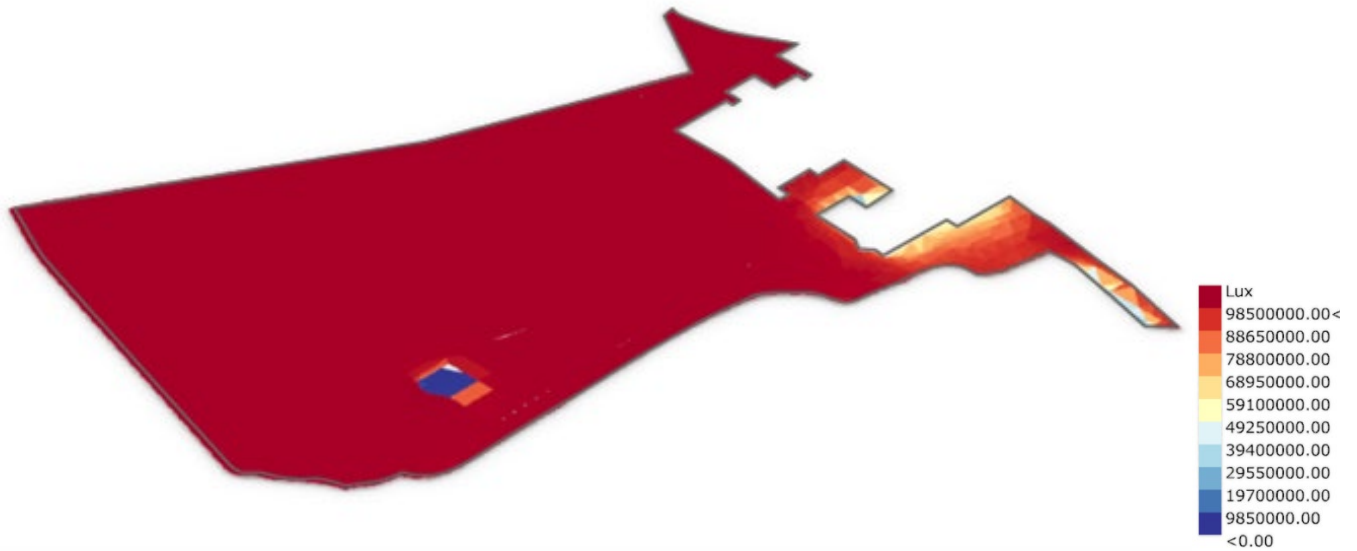


Figure 1-13: Daylight Illuminance Results – Seasonal: Baseline Scenario

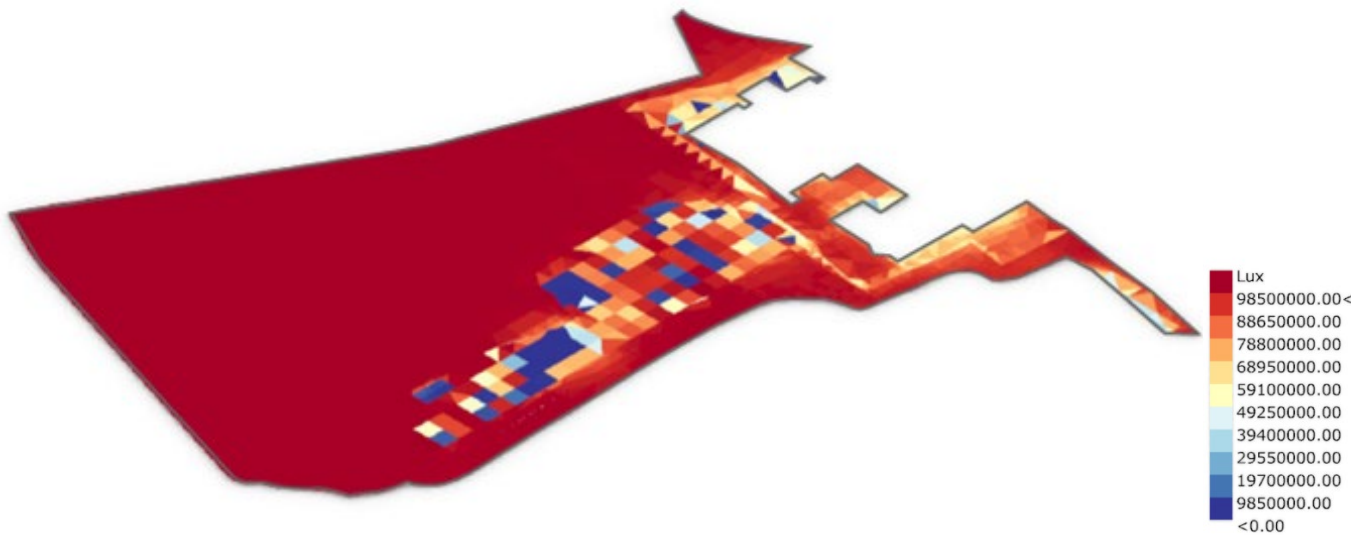


Figure 1-14: Daylight Illuminance Results – Seasonal: Proposed Scenario

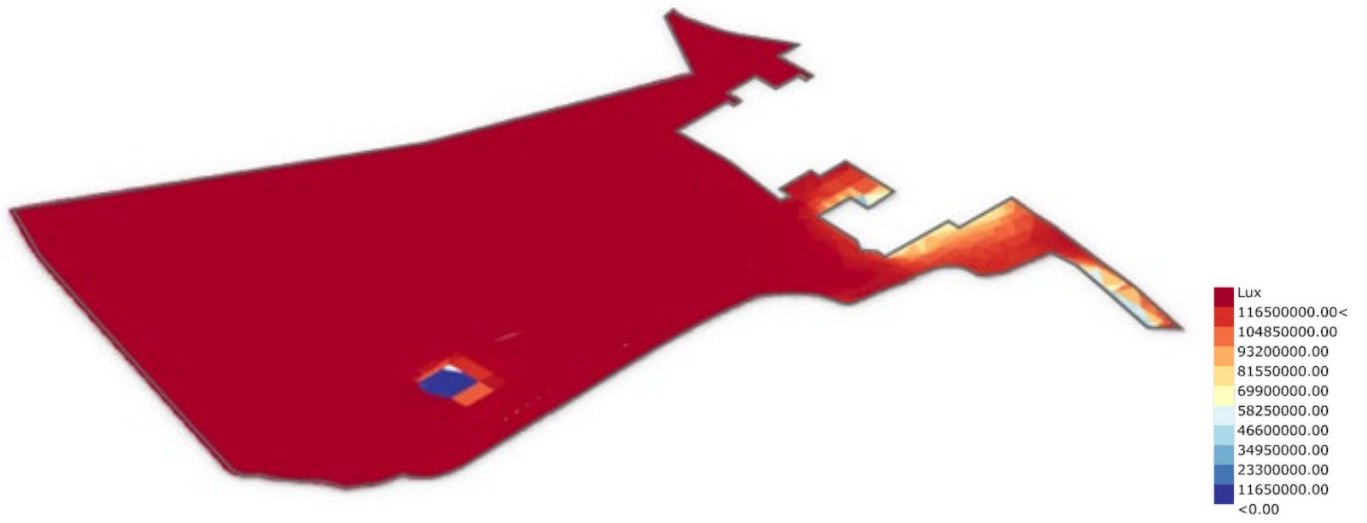


Figure 1-15: Daylight Illuminance Results – Annual: Baseline Scenario

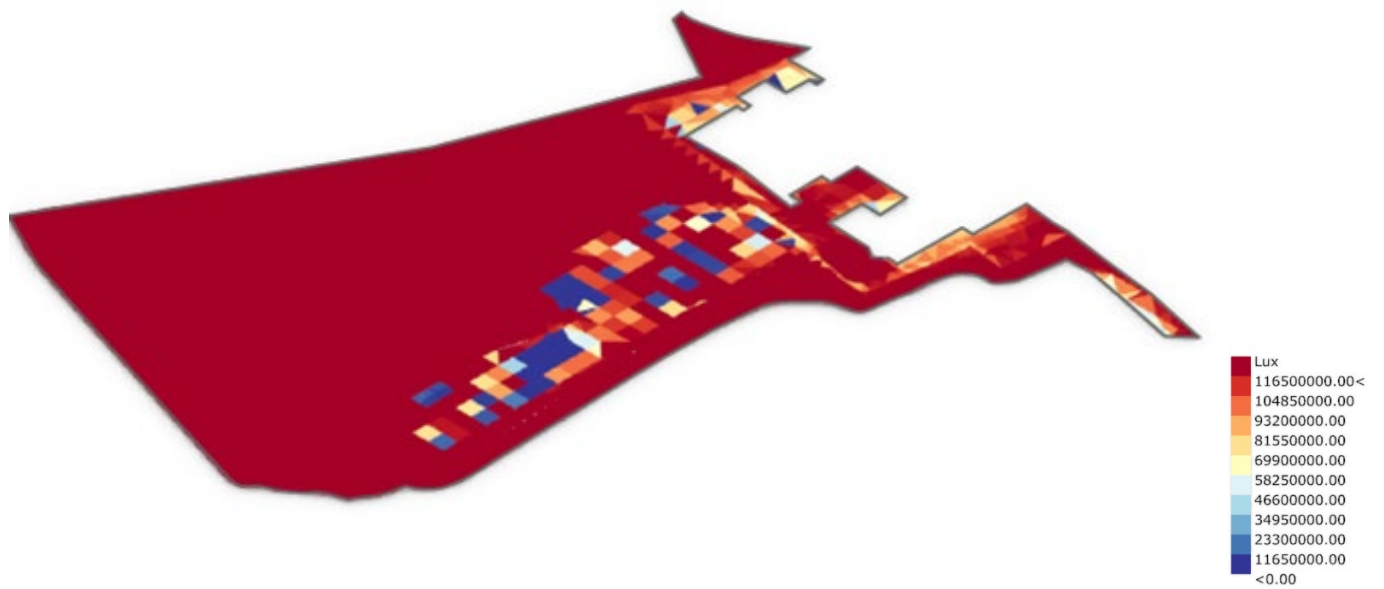


Figure 1-16: Daylight Illuminance Results – Annual: Proposed Scenario

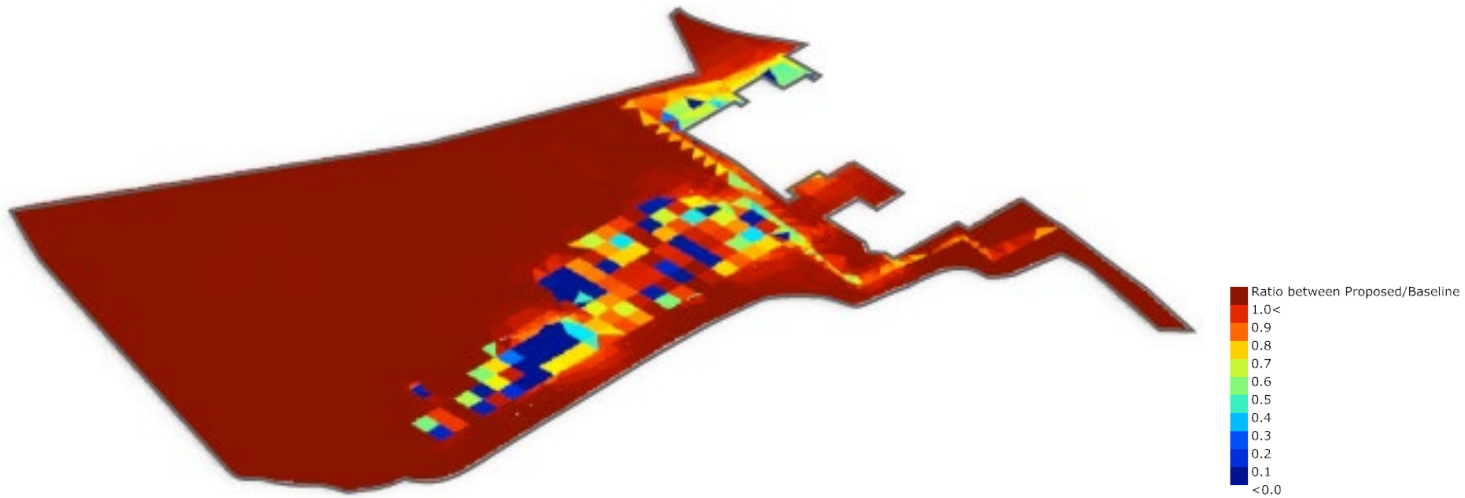


Figure 1-17: Daylight Illuminance Results – Seasonal: Attenuation Factor

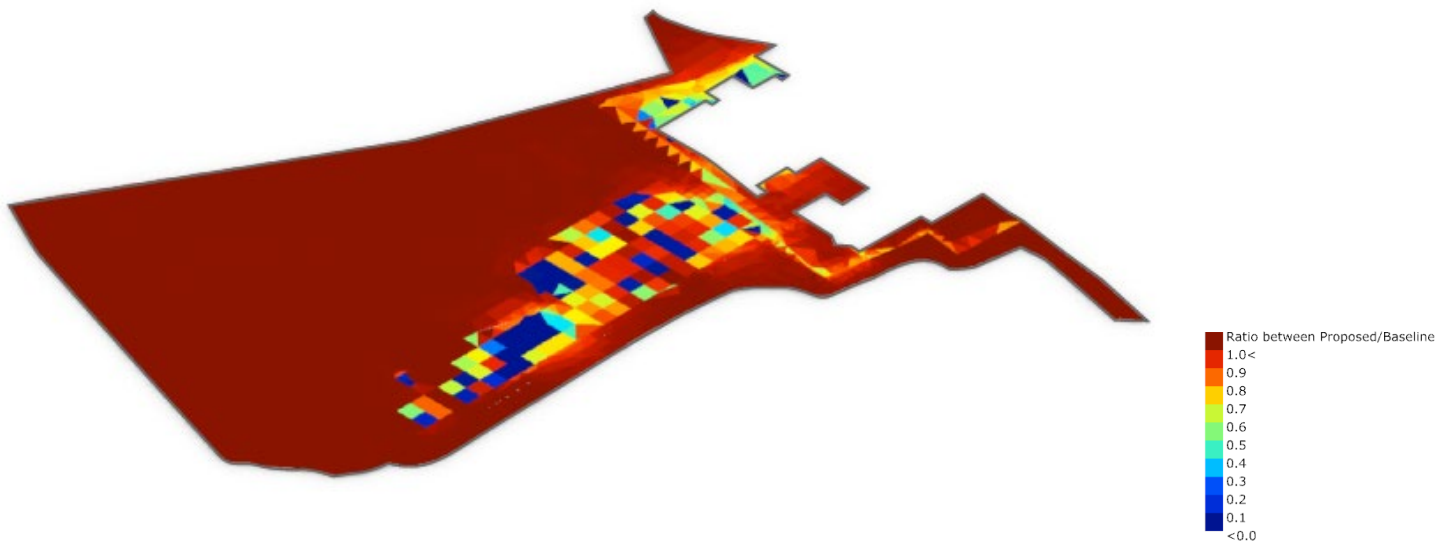


Figure 1-18: Daylight Illuminance Results – Annual: Attenuation Factor



DECARBONISATION

10 Dominion Street
Floor 5
Moorgate, London
EC2M 2EF
Contact Tel: 020 7417 5200
Email: enquiries@corygroup.co.uk
corygroup.co.uk