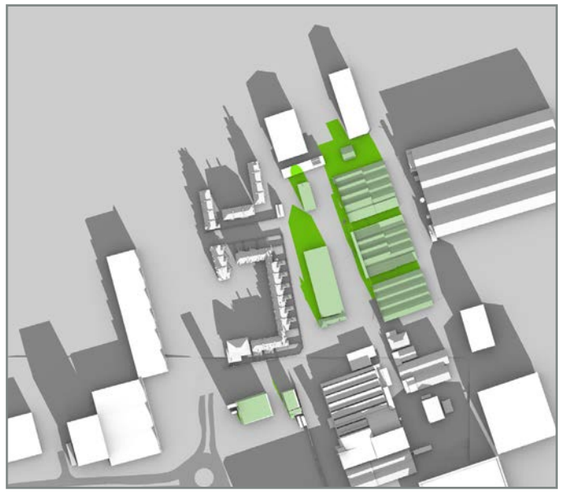
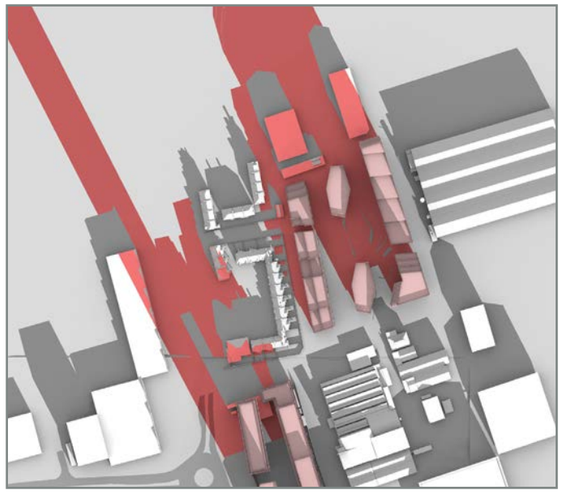
Existing Scenario

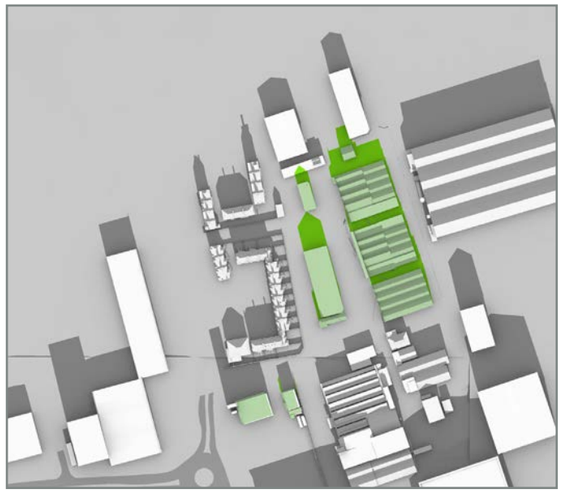
Proposed Scenario

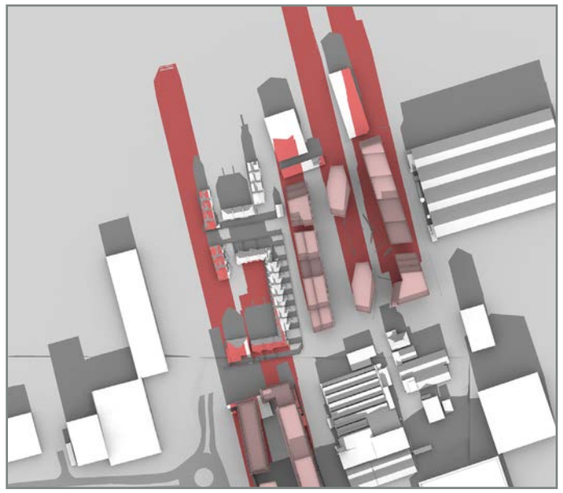
10:00GMT



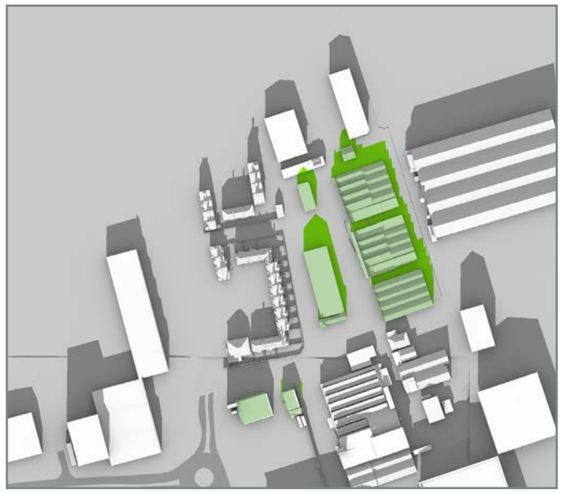


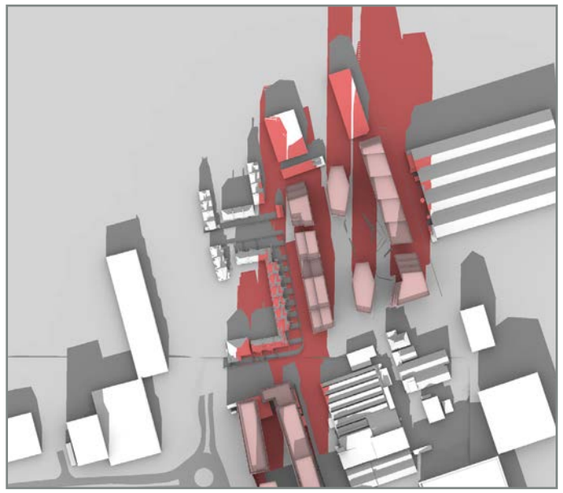
11:00GMT





12:00GMT





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Title

Transient Overshadowing
Hourly Shadows
21st December

Existing

Proposed

NORTH

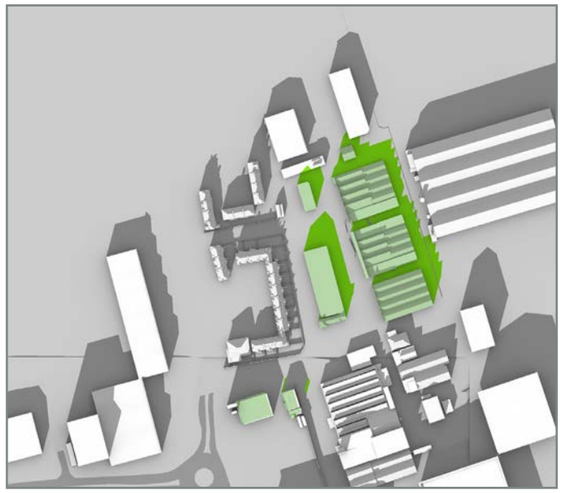
Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

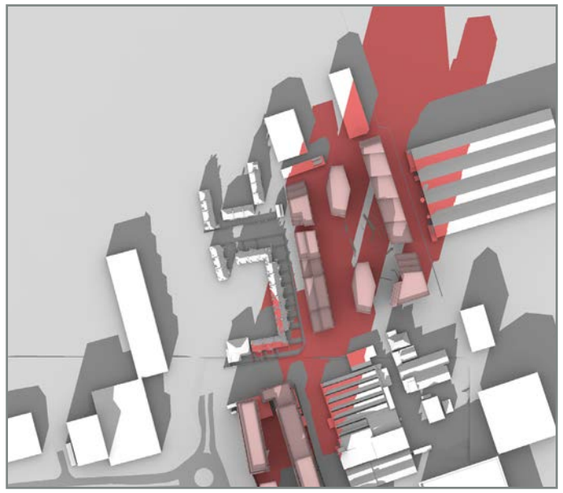
Project	Charlton Riverside Greenwich
Reference	1864_TS01
Drawn	VL
Checked	JB
Date	2/11/2016
Rel no.	01
Drawing no.	1864_TS01-14

Existing Scenario

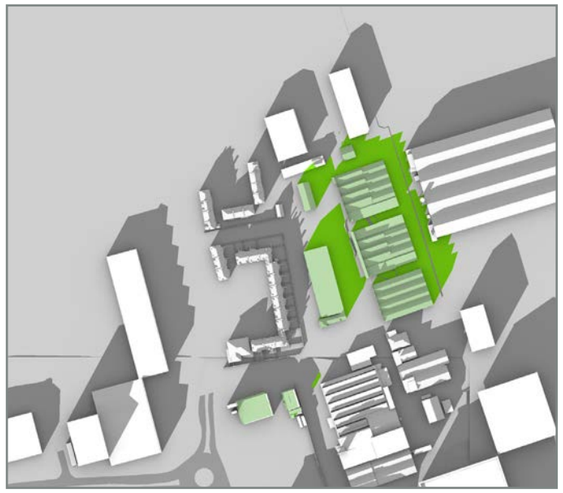
Proposed Scenario

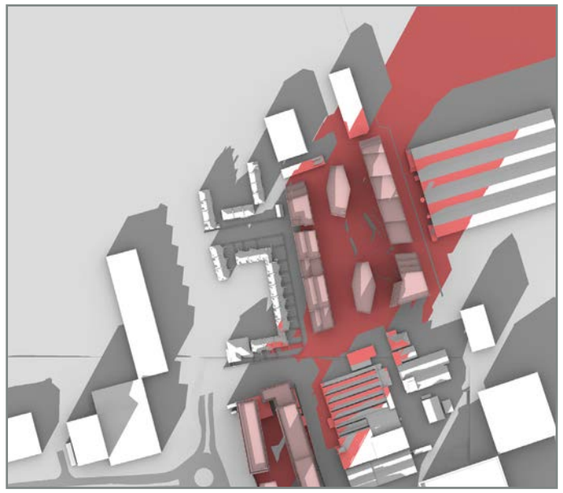
13:00GMT





14:00GMT





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Title

Transient Overshadowing
Hourly Shadows
21st December

Existing

Proposed

NORTH

Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project	Charlton Riverside Greenwich
Reference	1864_TS01
Drawn	VL
Checked	JB
Date	2/11/2016
Rel no.	01
Drawing no.	1864_TS01-15

Appendix 11.5

Solar glare assessment

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Title

Reflected Solar Glare Site Overview and Viewpoint Location Proposed Scenario

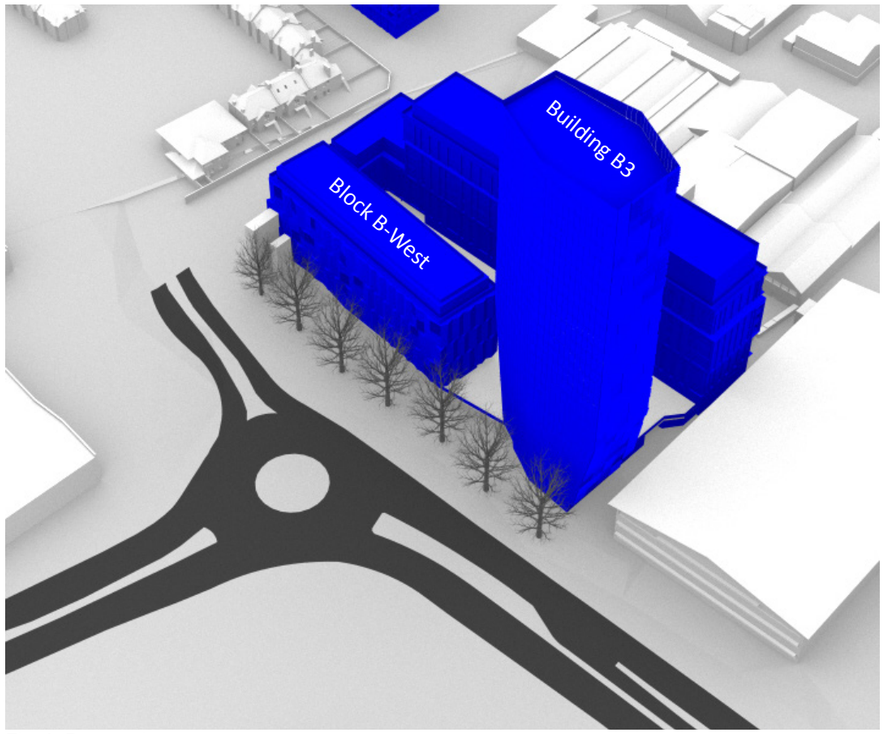

Fig. 1: Perspective

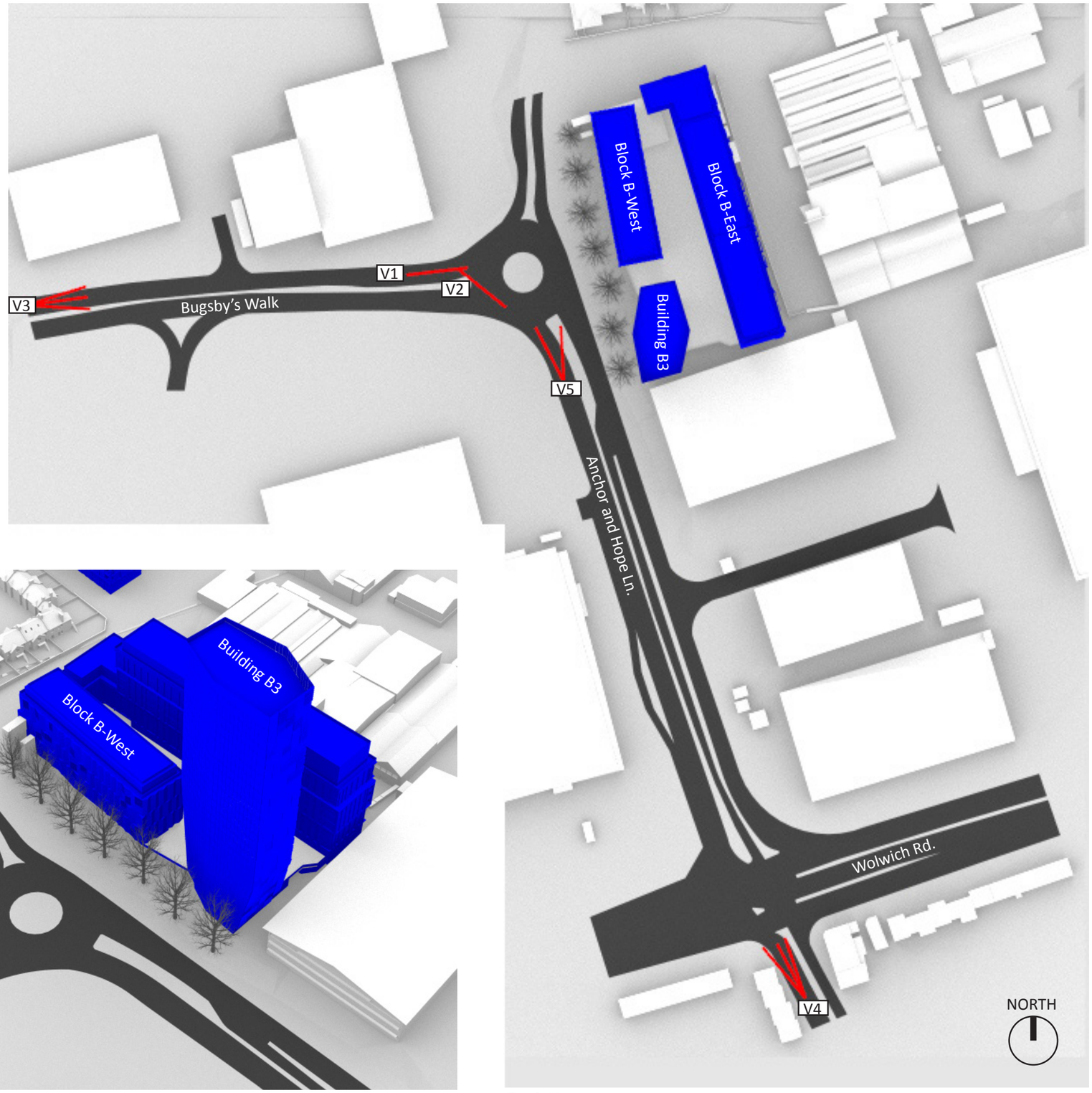

Fig. 2: View points

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	22/11/2016	Rel no.	01
Drawing no.	1864_SG01-1		

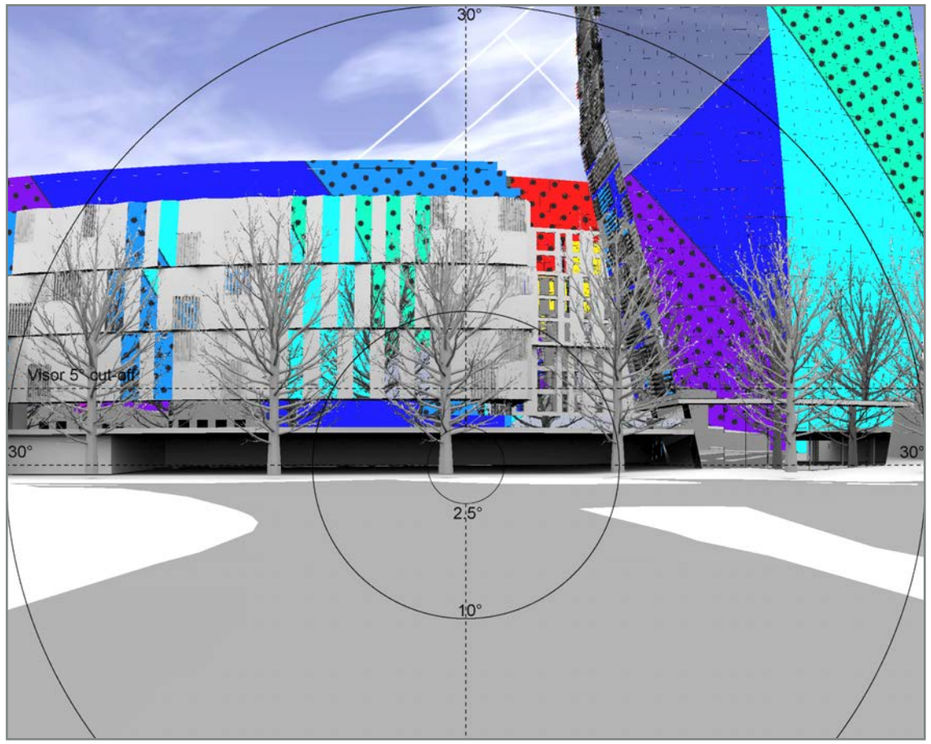

Fig. 3: Solar Glare - HOURS - Close-up

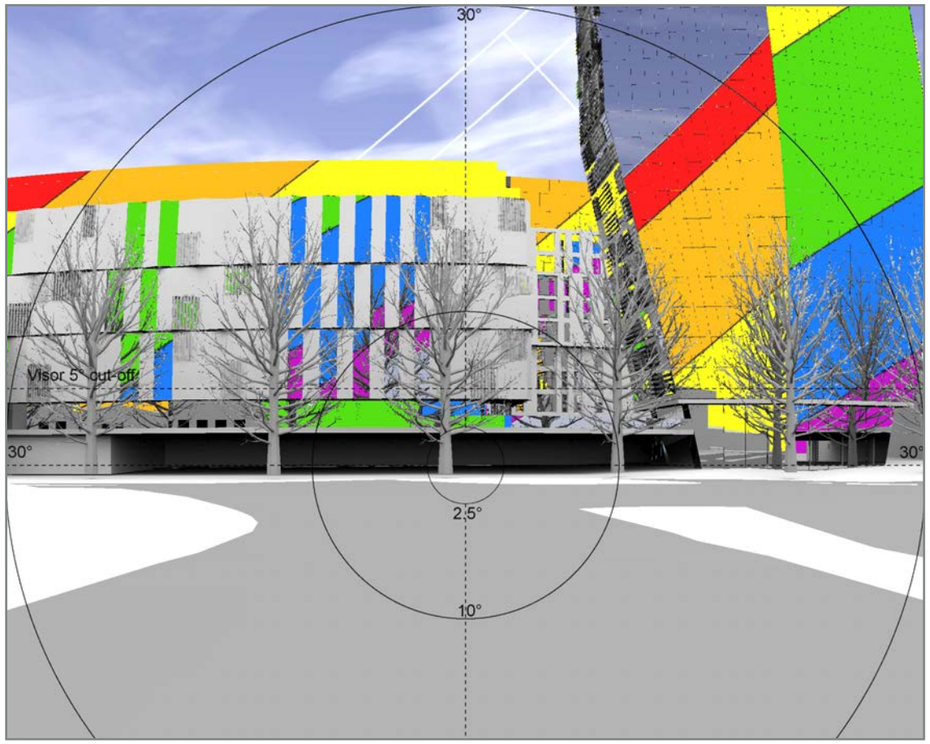

Fig. 4: Solar Glare - MONTHS - Close-up

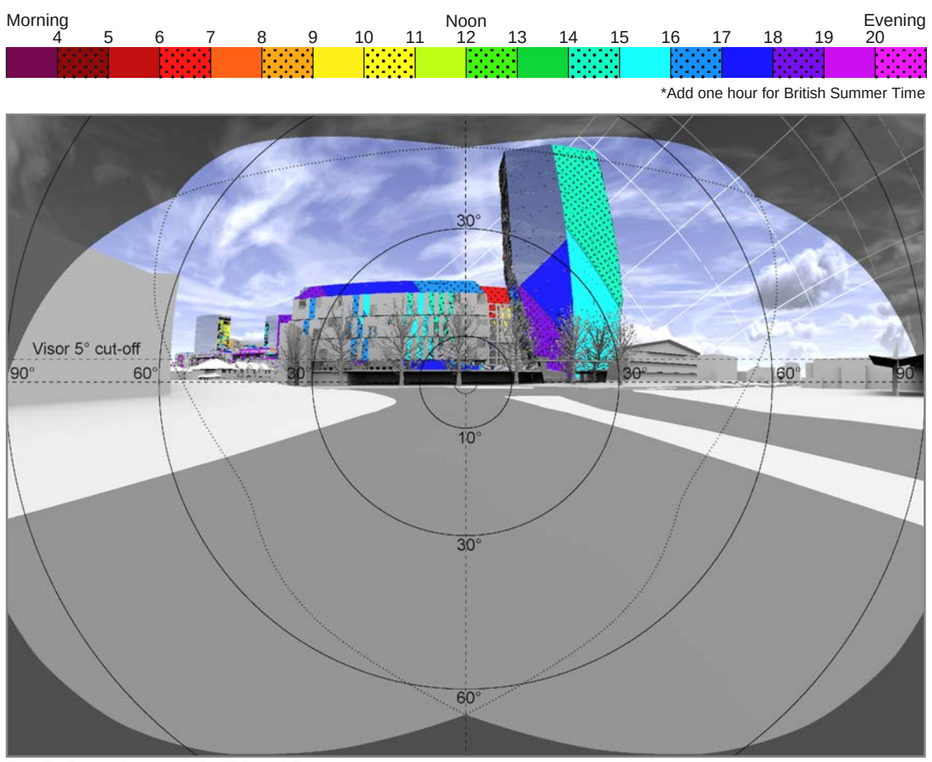

Fig. 5: Solar Glare - HOURS - 180 degrees view

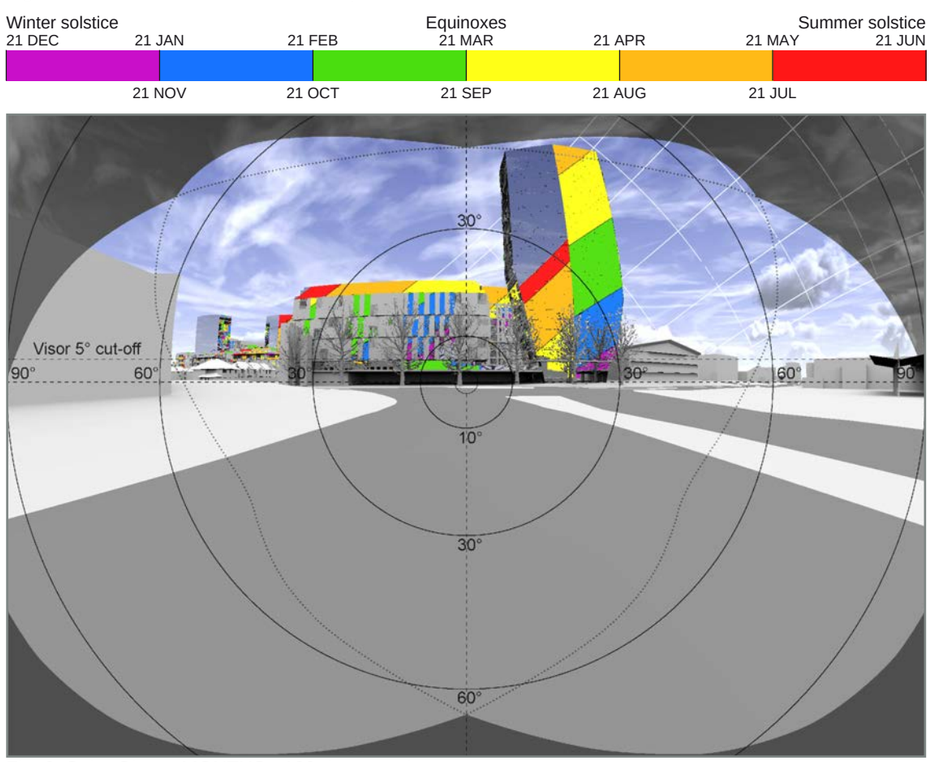

Fig. 6: Solar Glare - MONTHS - 180 degrees view

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Bare trees
Viewpont V1A

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-2		

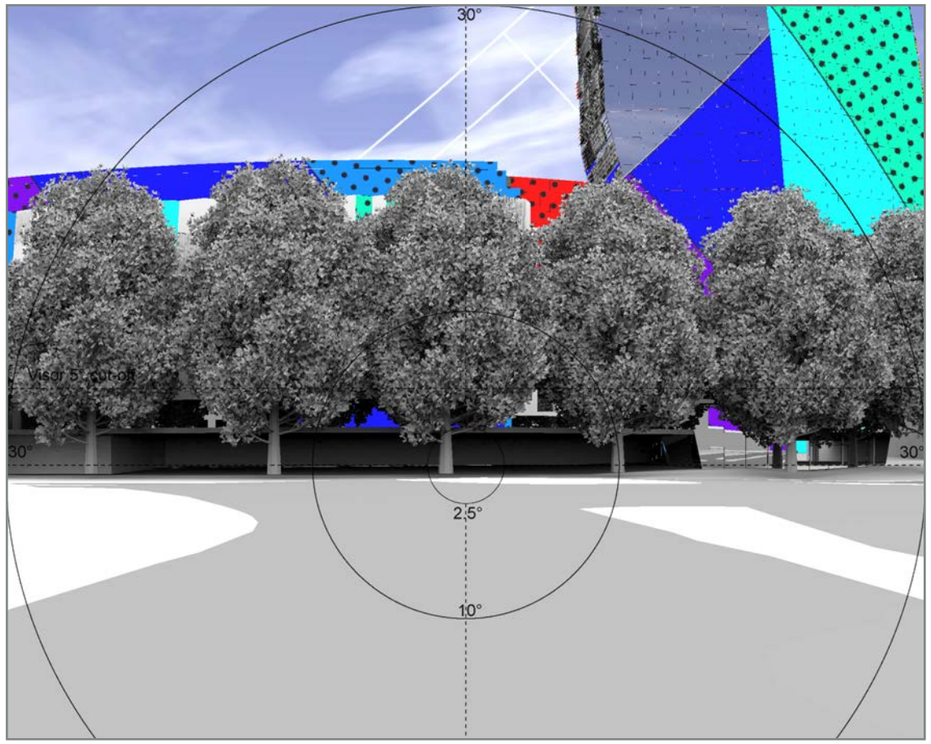


Fig. 7: Solar Glare - HOURS - Close-up

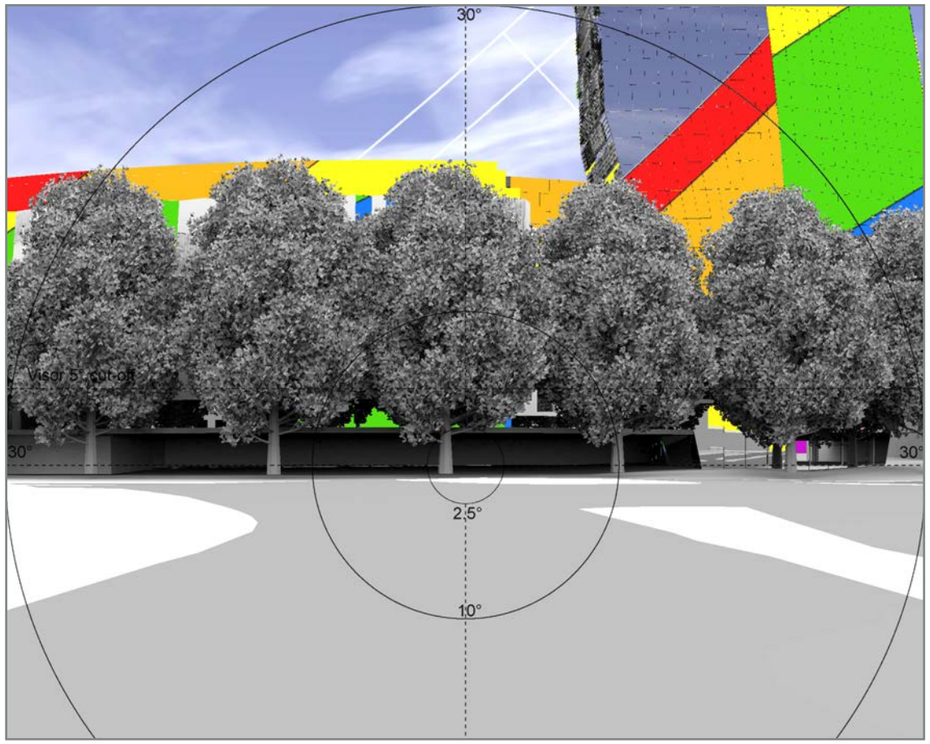
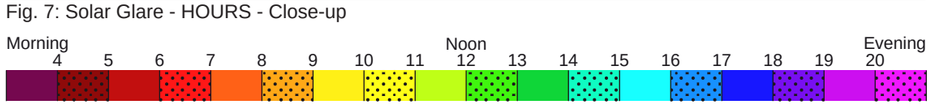


Fig. 8: Solar Glare - MONTHS - Close-up



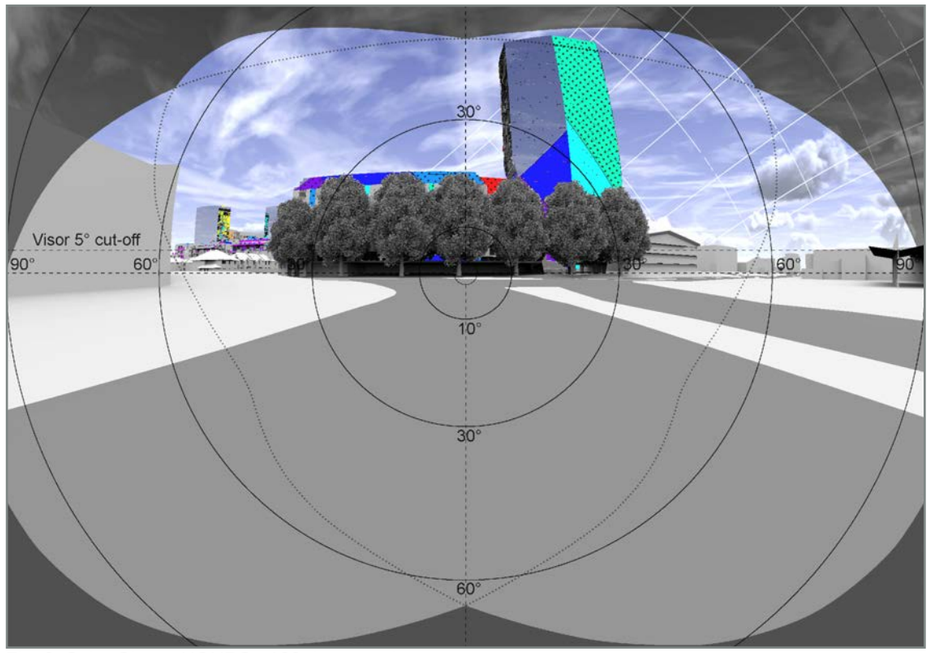
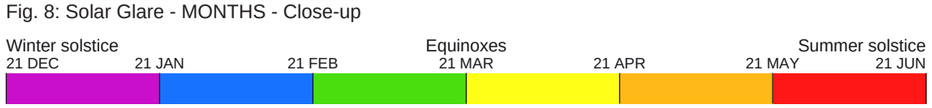


Fig. 9: Solar Glare - HOURS - 180 degrees view



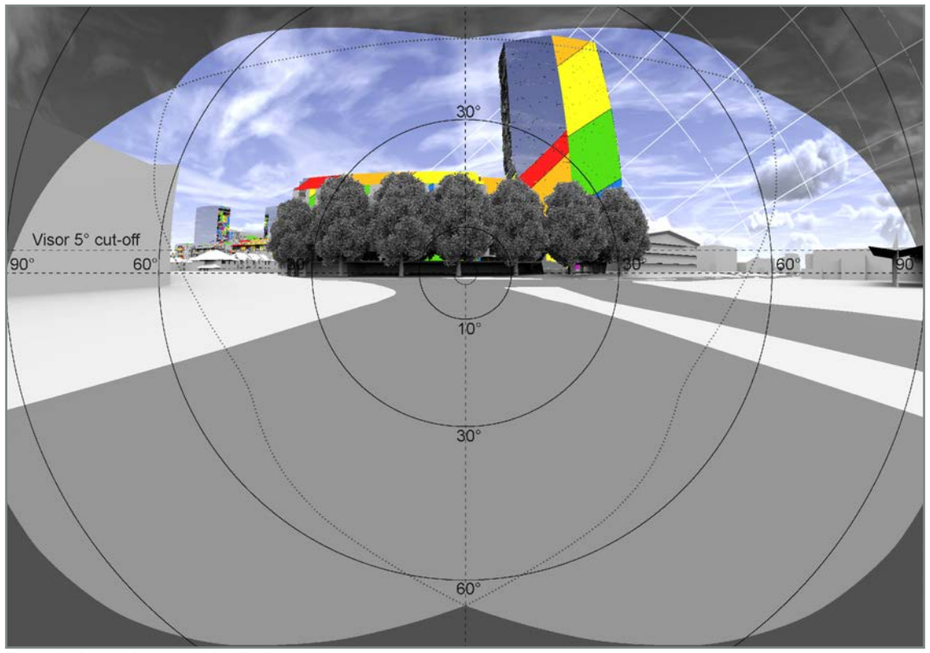


Fig. 10: Solar Glare - MONTHS - 180 degrees view

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Trees in leaf
Viewpont V1A

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-3		

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Existing Scenario
Bare trees
Viewpont V1A

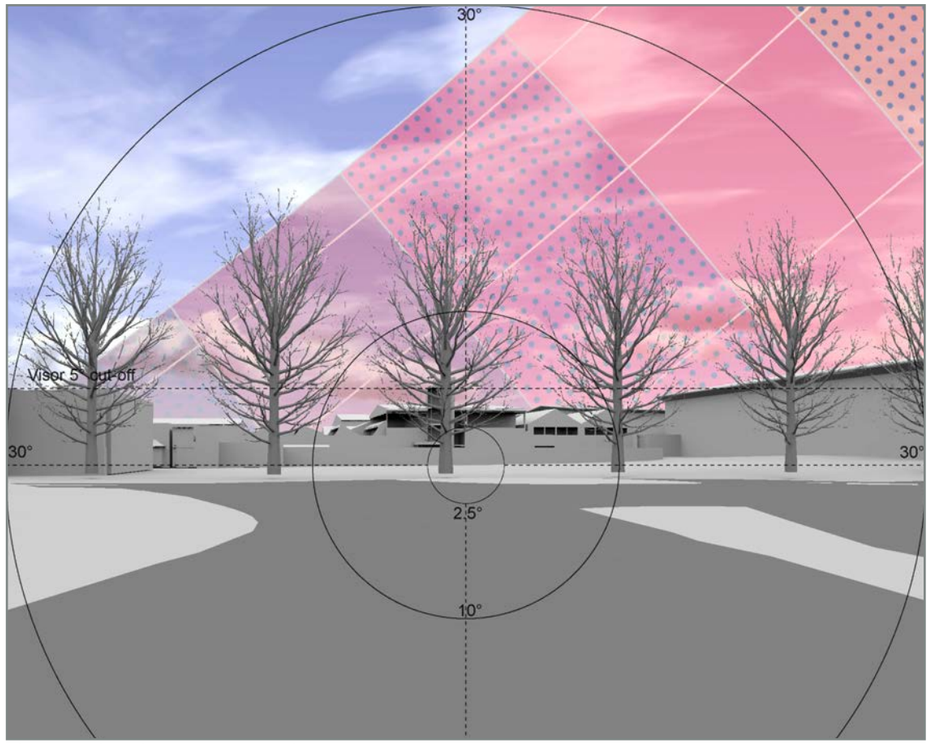

Fig. 11: Solar Glare - HOURS - Close-up

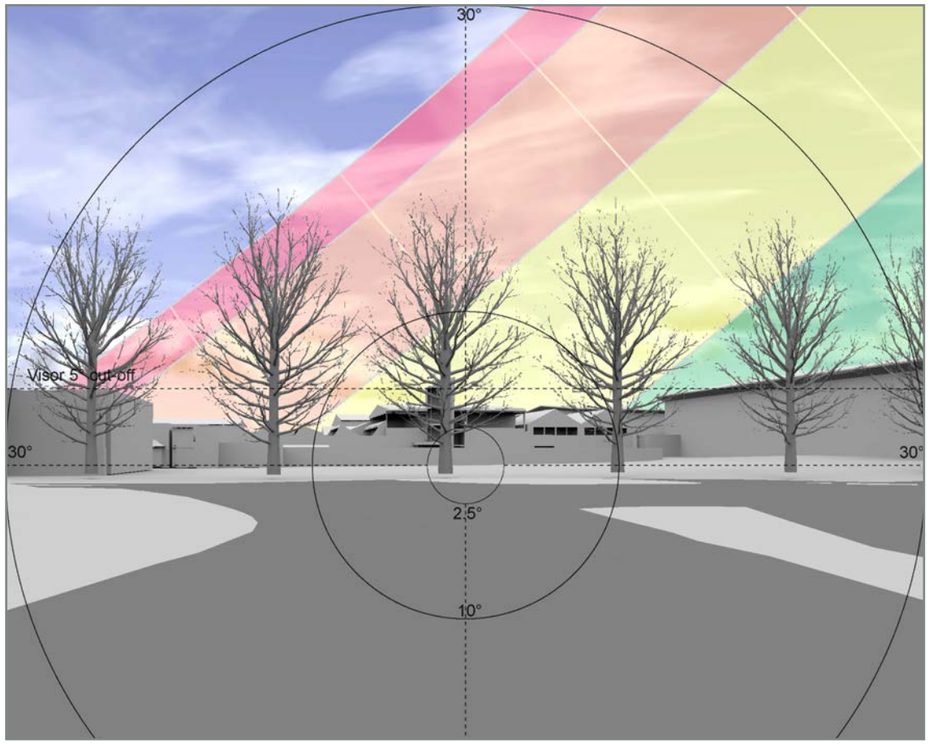

Fig. 12: Solar Glare - MONTHS - Close-up

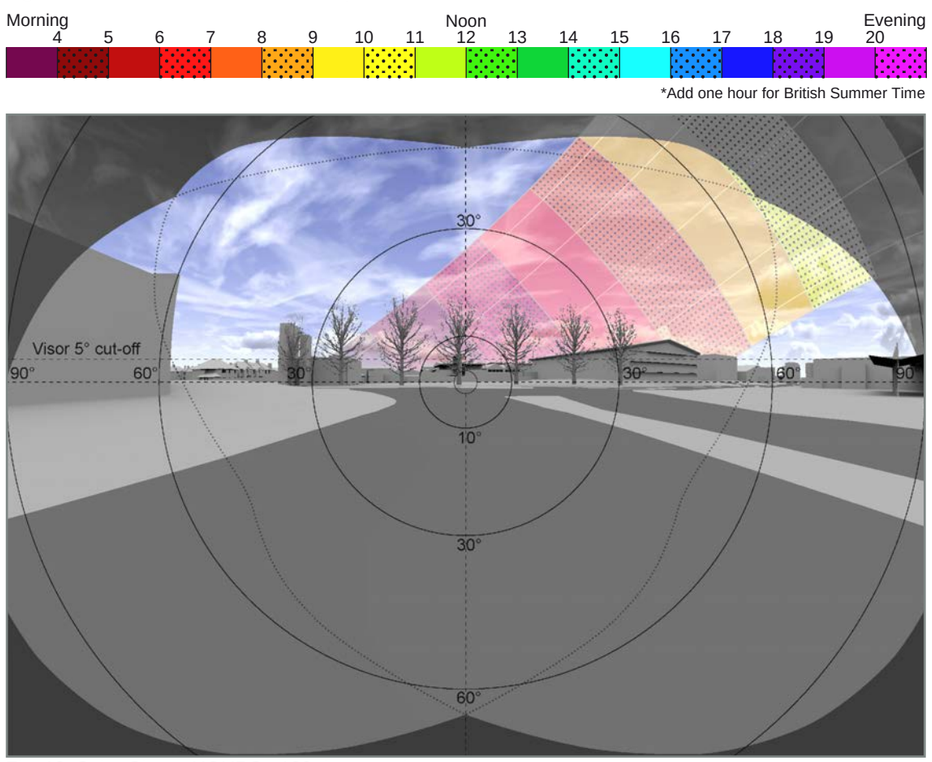

Fig. 13: Solar Glare - HOURS - 180 degrees view

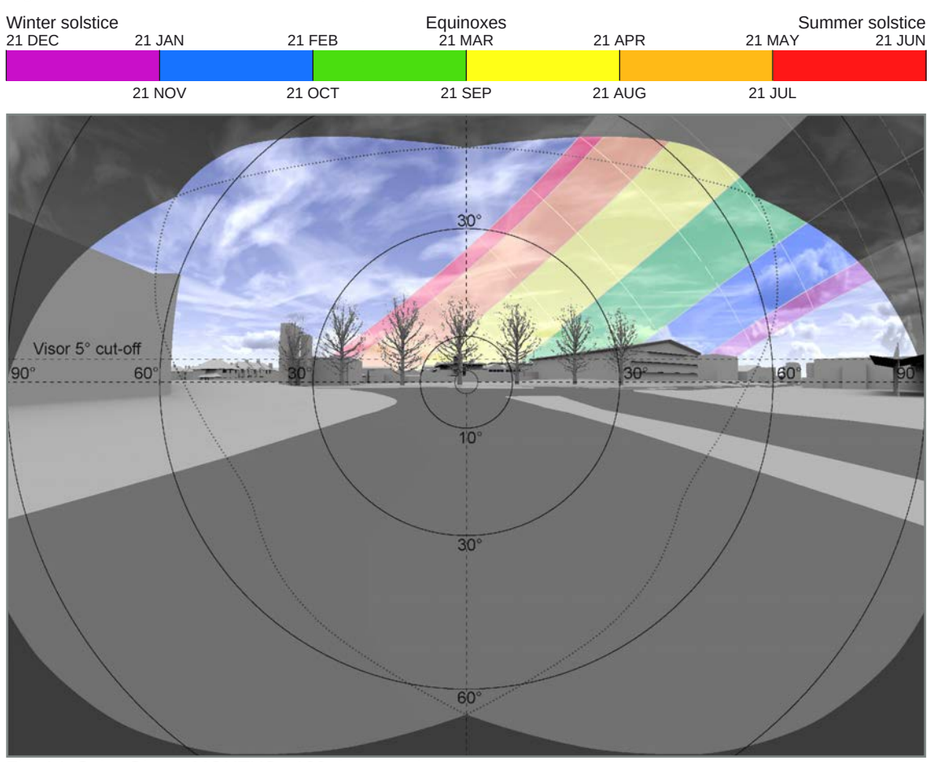

Fig. 14: Solar Glare - MONTHS - 180 degrees view

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-4		

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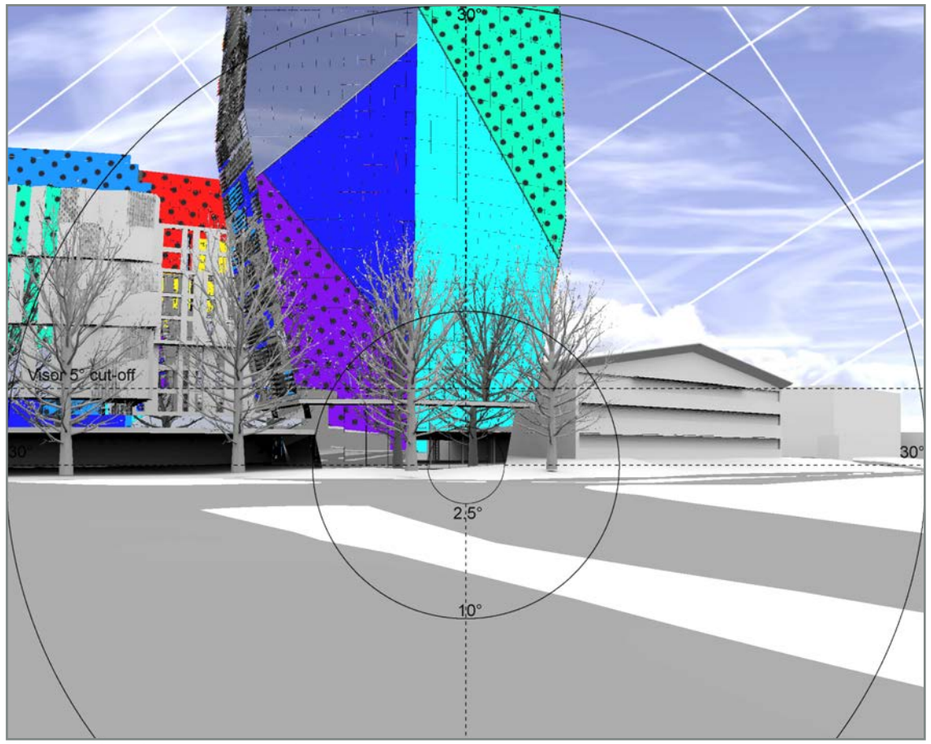

Fig. 15: Solar Glare - HOURS - Close-up

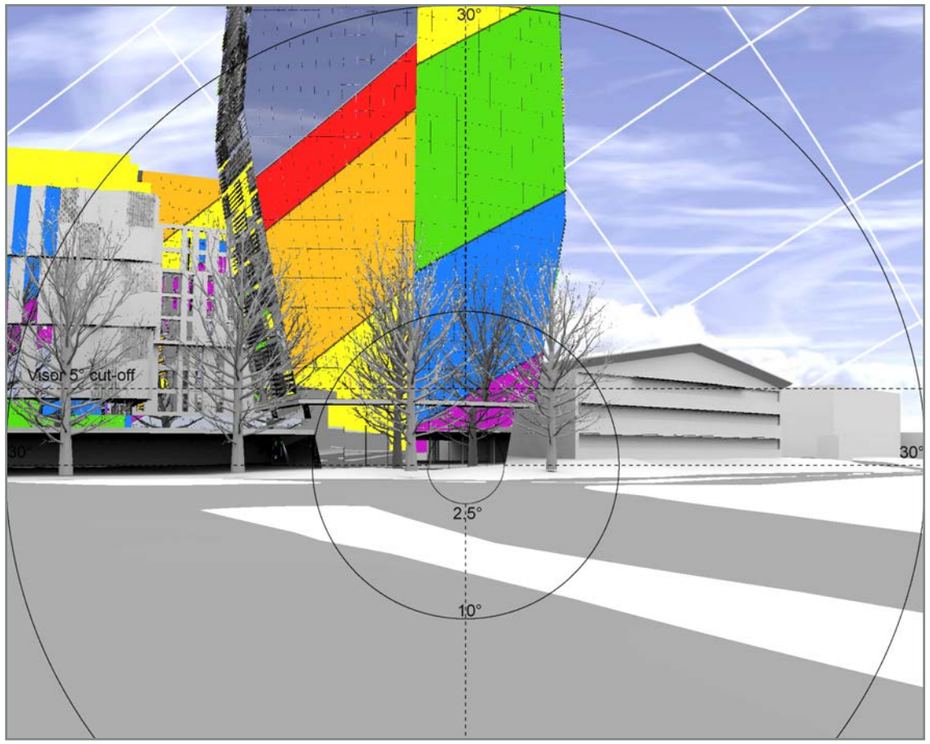

Fig. 16: Solar Glare - MONTHS - Close-up

*Add one hour for British Summer Time

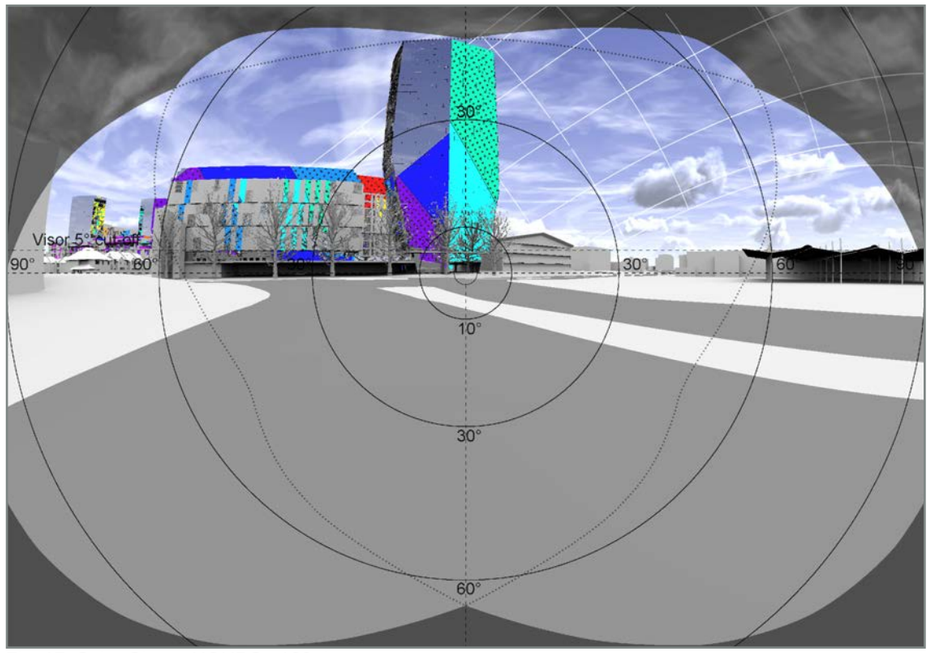

Fig. 17: Solar Glare - HOURS - 180 degrees view

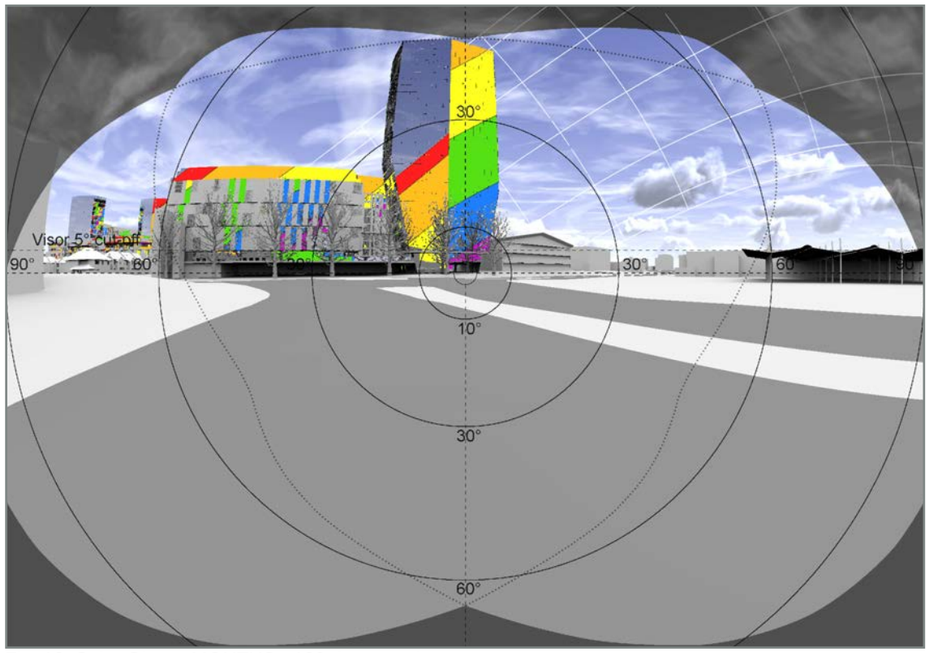

Fig. 18: Solar Glare - MONTHS - 180 degrees view

Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Bare trees
Viewpont V1B

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-5		

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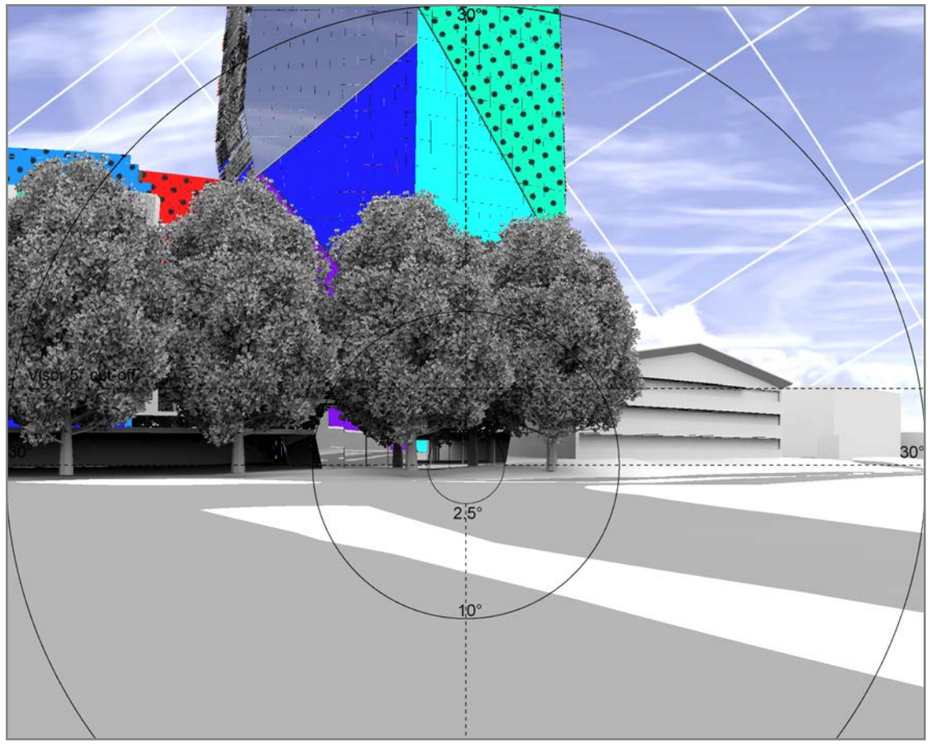

Fig. 19: Solar Glare - HOURS - Close-up

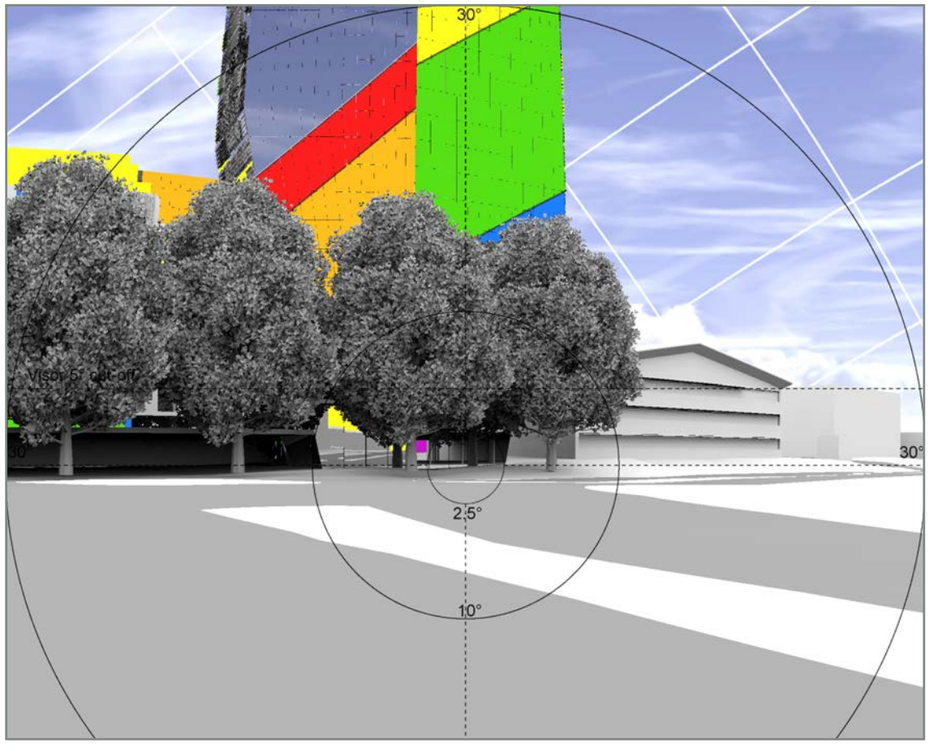

Fig. 20: Solar Glare - MONTHS - Close-up

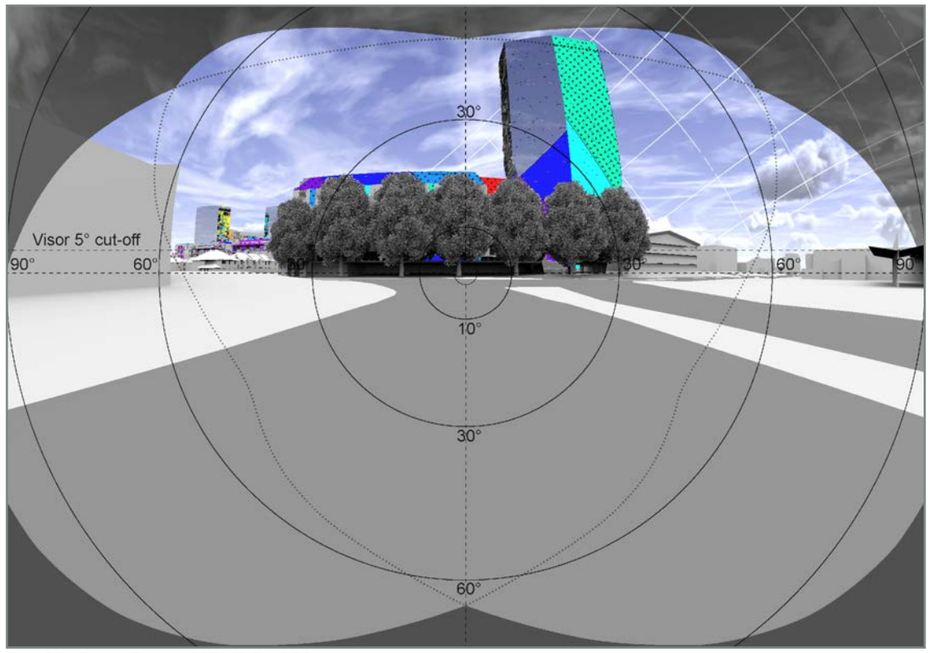

Fig. 21: Solar Glare - HOURS - 180 degrees view

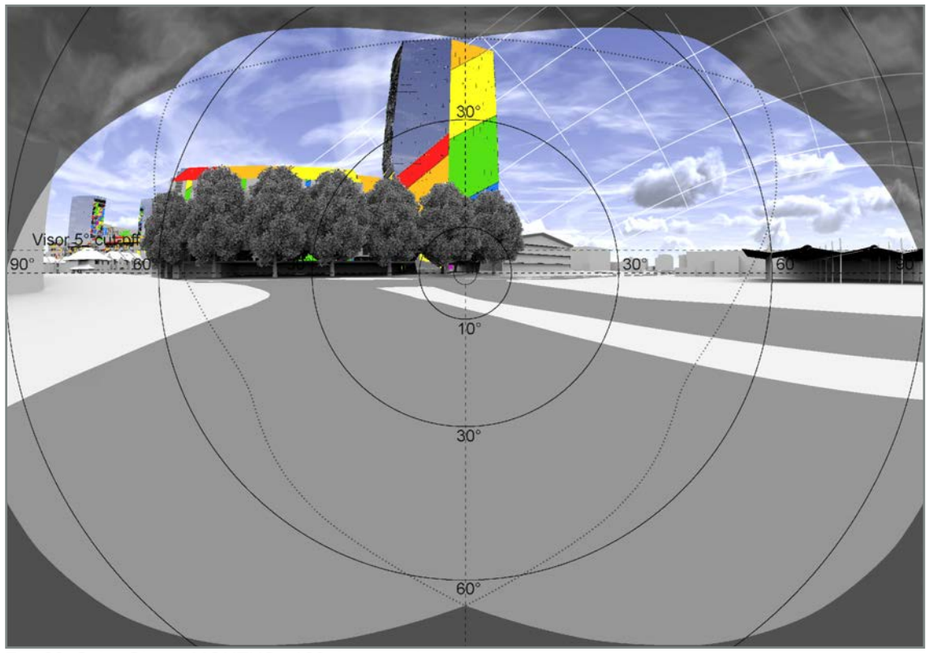

Fig. 22: Solar Glare - MONTHS - 180 degrees view

Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Trees in leaf
Viewpont V1B

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-6		

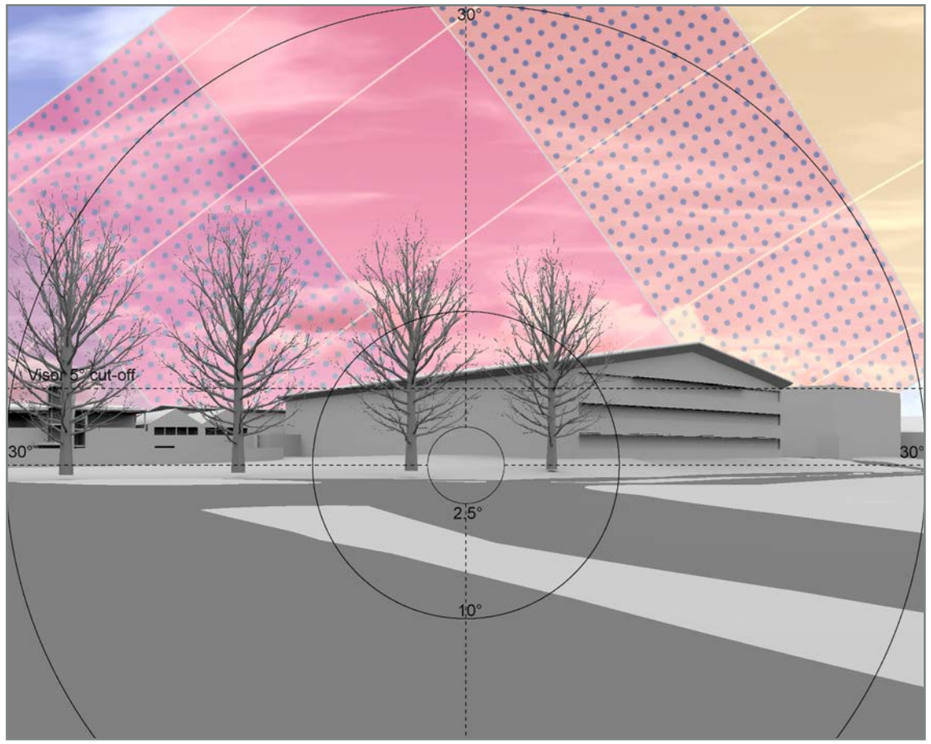

Fig. 23: Solar Glare - HOURS - Close-up

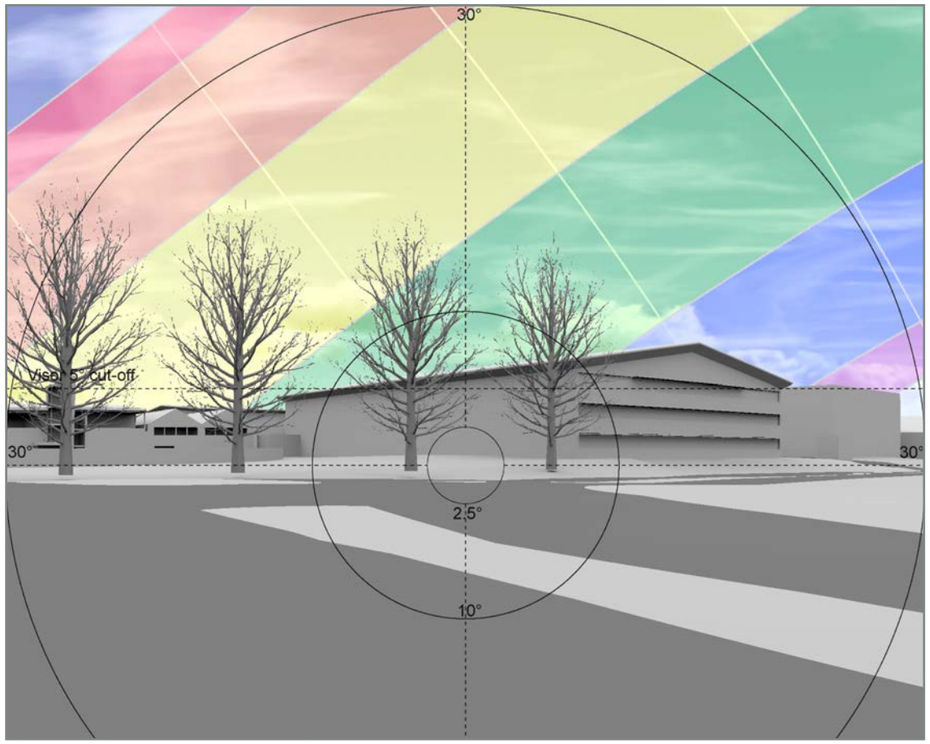

Fig. 24: Solar Glare - MONTHS - Close-up

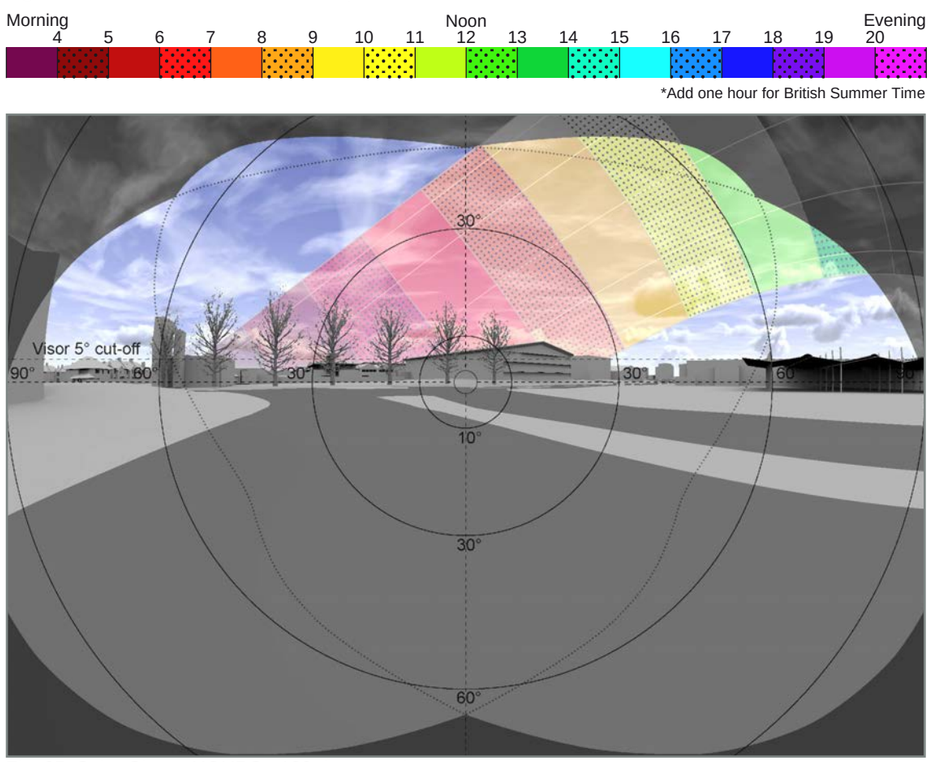

Fig. 25: Solar Glare - HOURS - 180 degrees view

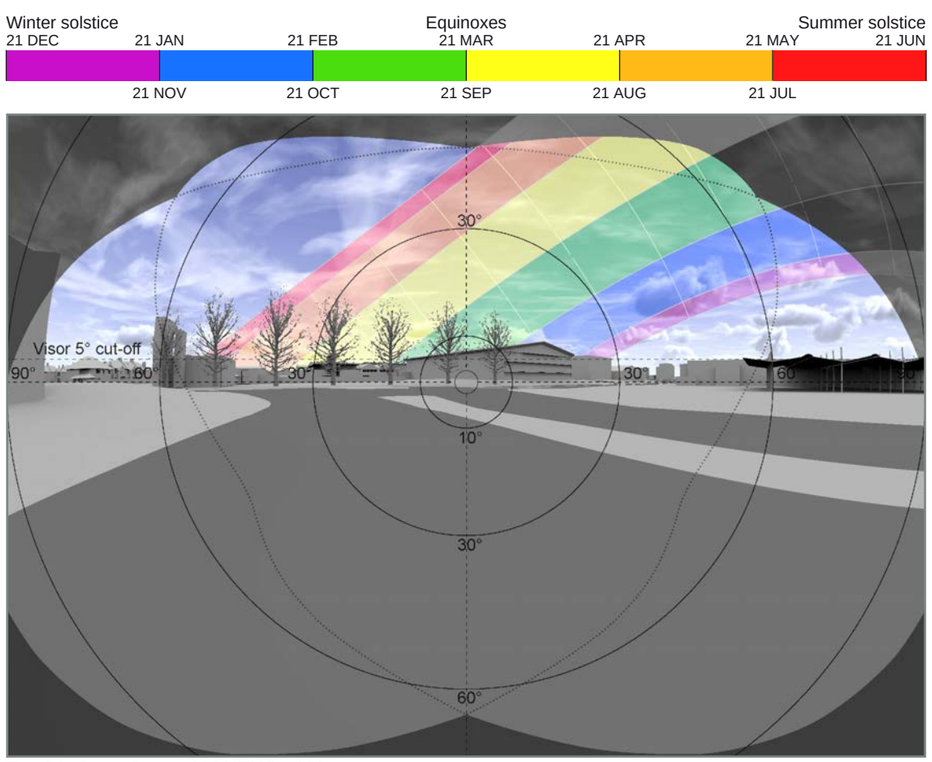

Fig. 26: Solar Glare - MONTHS - 180 degrees view

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Existing Scenario
Bare trees
Viewpont V1B

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-7		

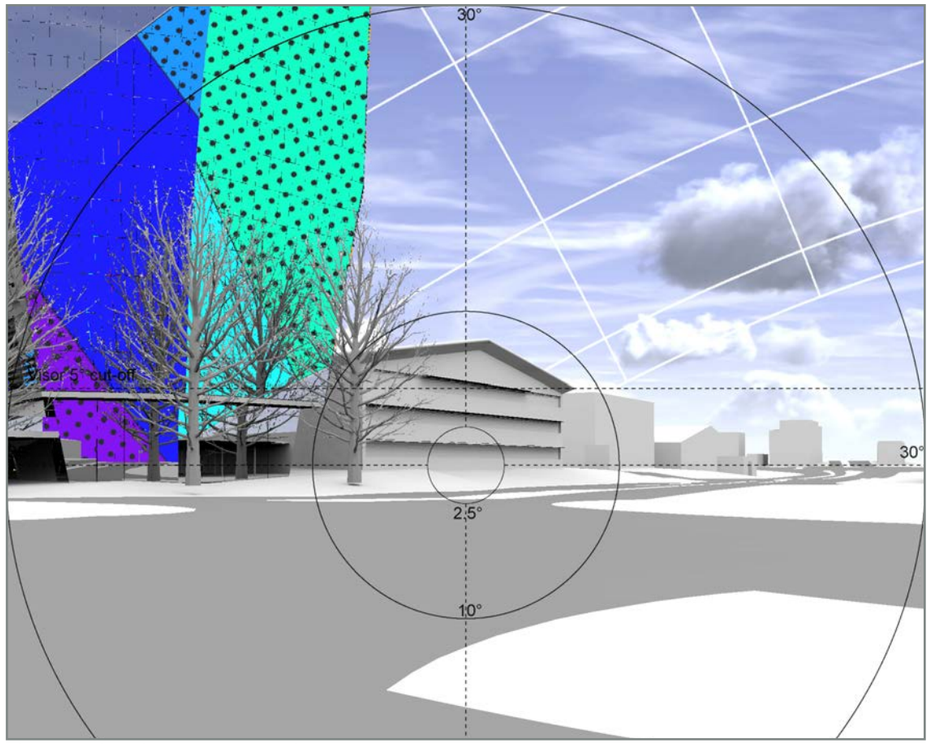

Fig. 27: Solar Glare - HOURS - Close-up

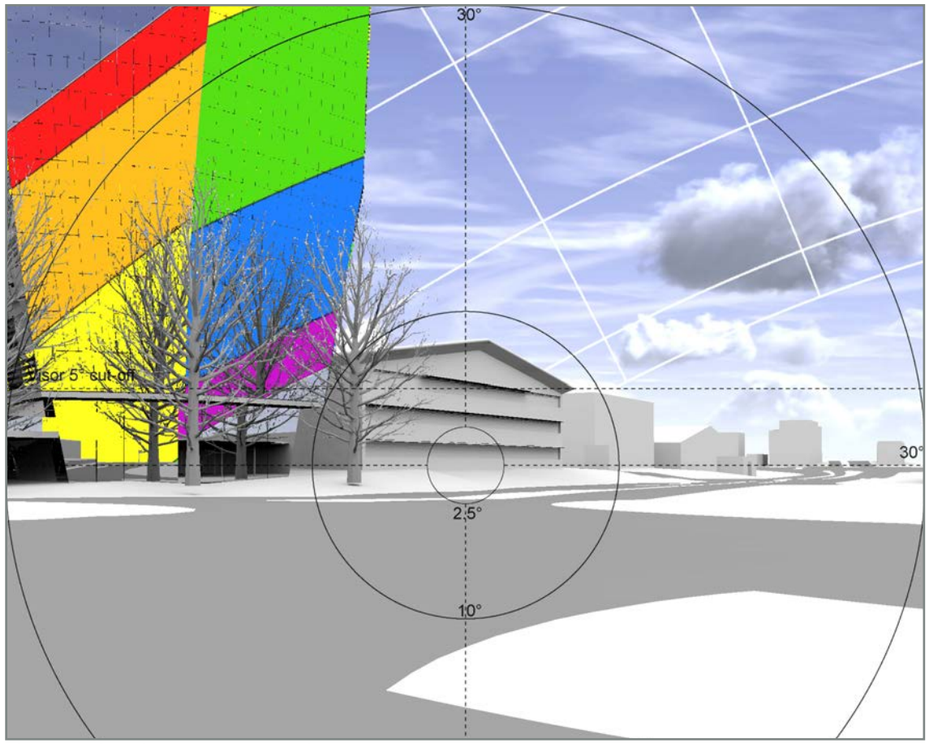

Fig. 28: Solar Glare - MONTHS - Close-up

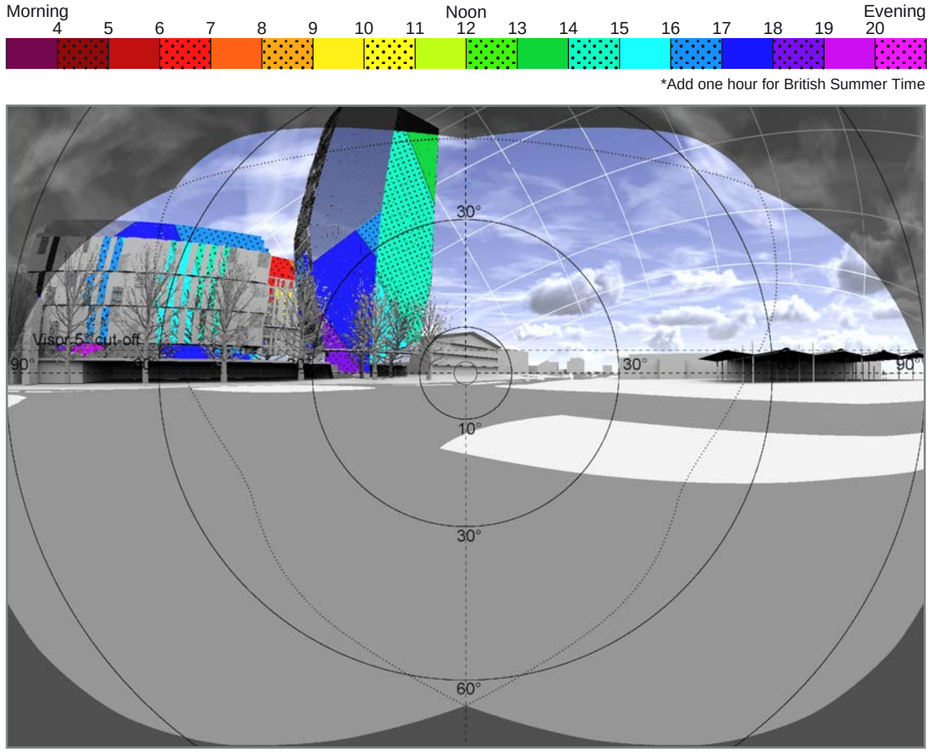

Fig. 29: Solar Glare - HOURS - 180 degrees view

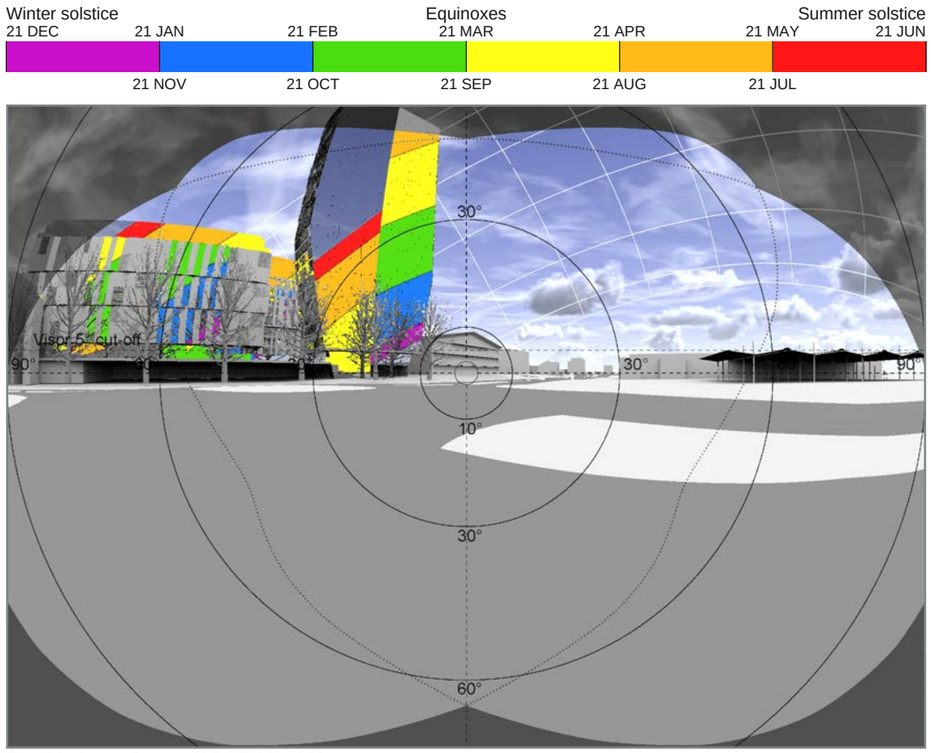

Fig. 30: Solar Glare - MONTHS - 180 degrees view

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Bare trees
Viewpont V2

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-8		

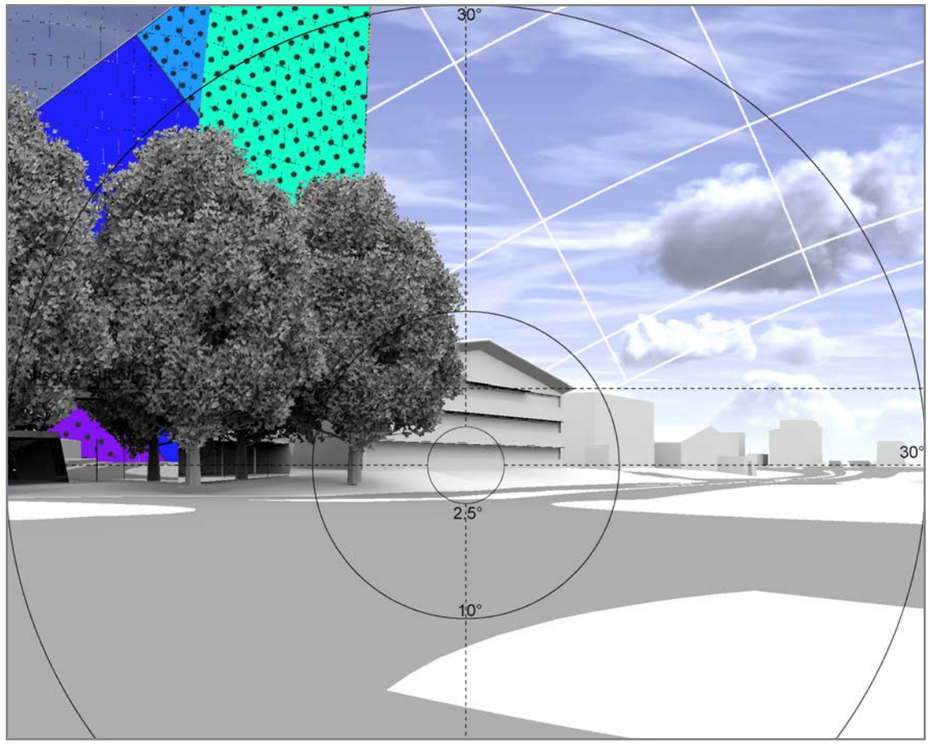


Fig. 31: Solar Glare - HOURS - Close-up

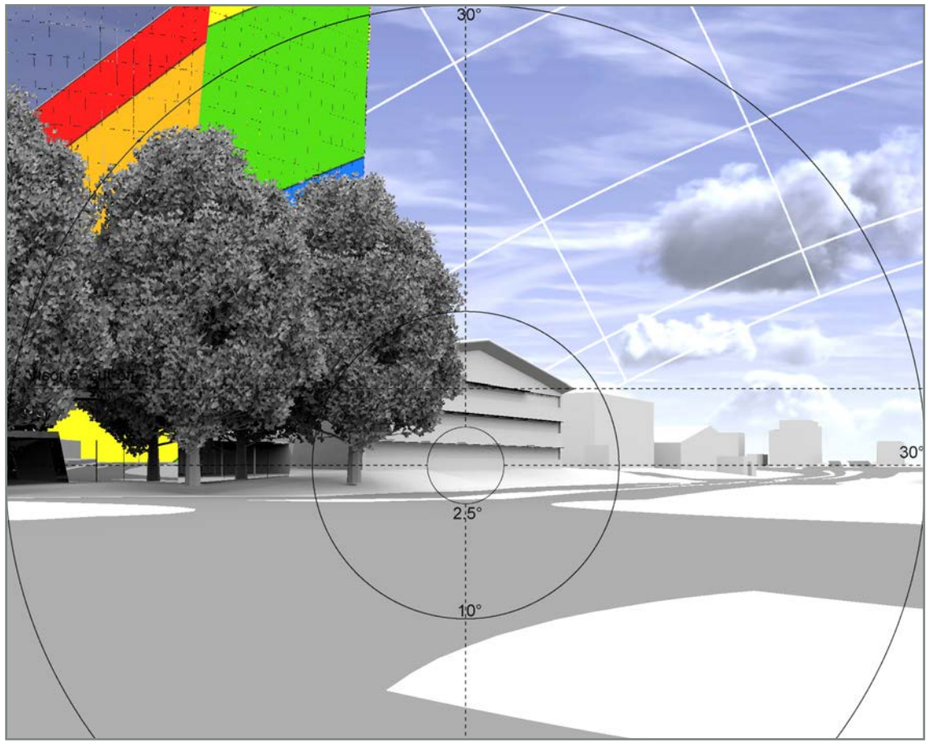
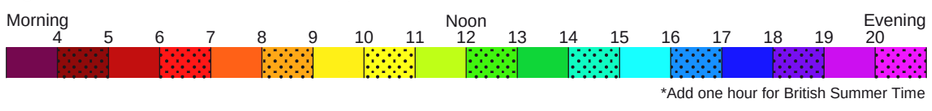


Fig. 32: Solar Glare - MONTHS - Close-up



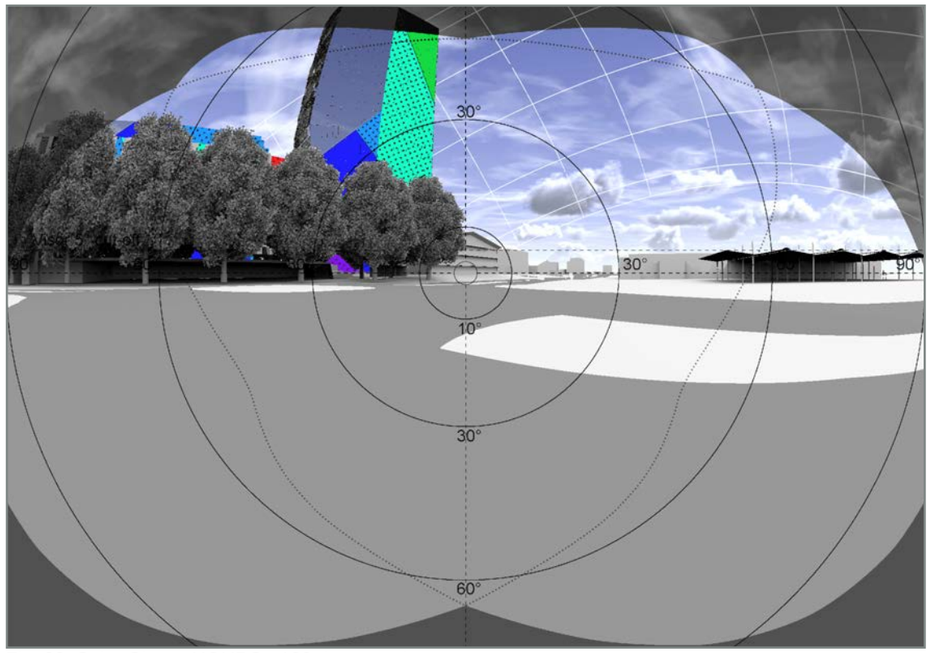
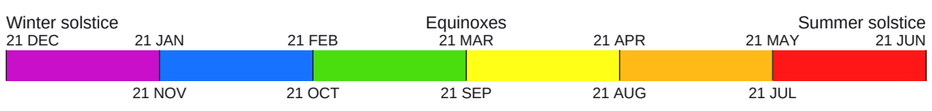


Fig. 33: Solar Glare - HOURS - 180 degrees view



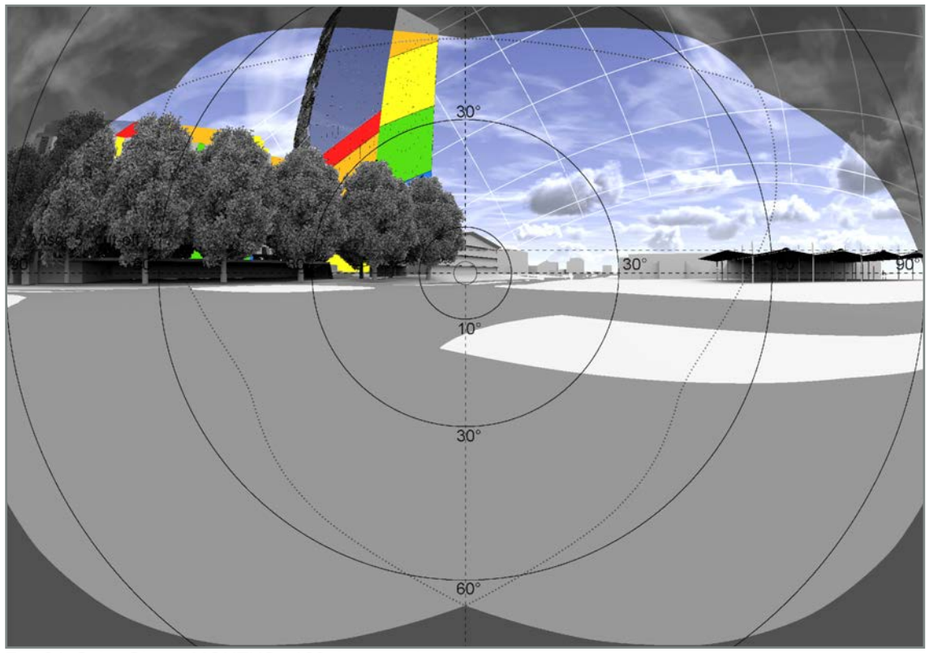


Fig. 34: Solar Glare - MONTHS - 180 degrees view

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Trees in leaf
Viewpont V2

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-9		

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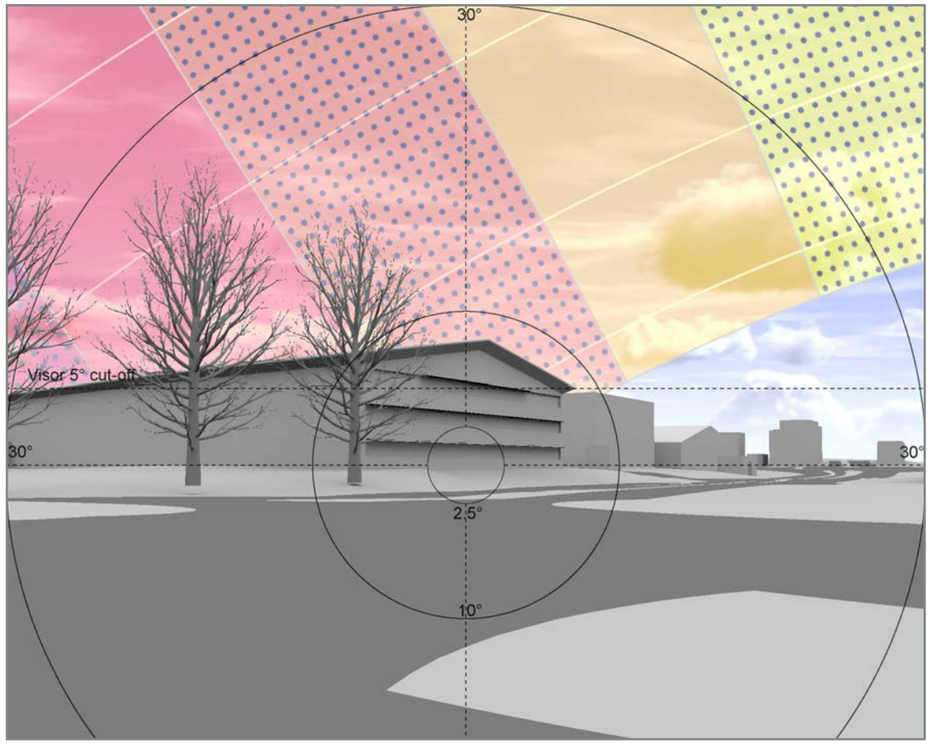

Fig. 35: Solar Glare - HOURS - Close-up

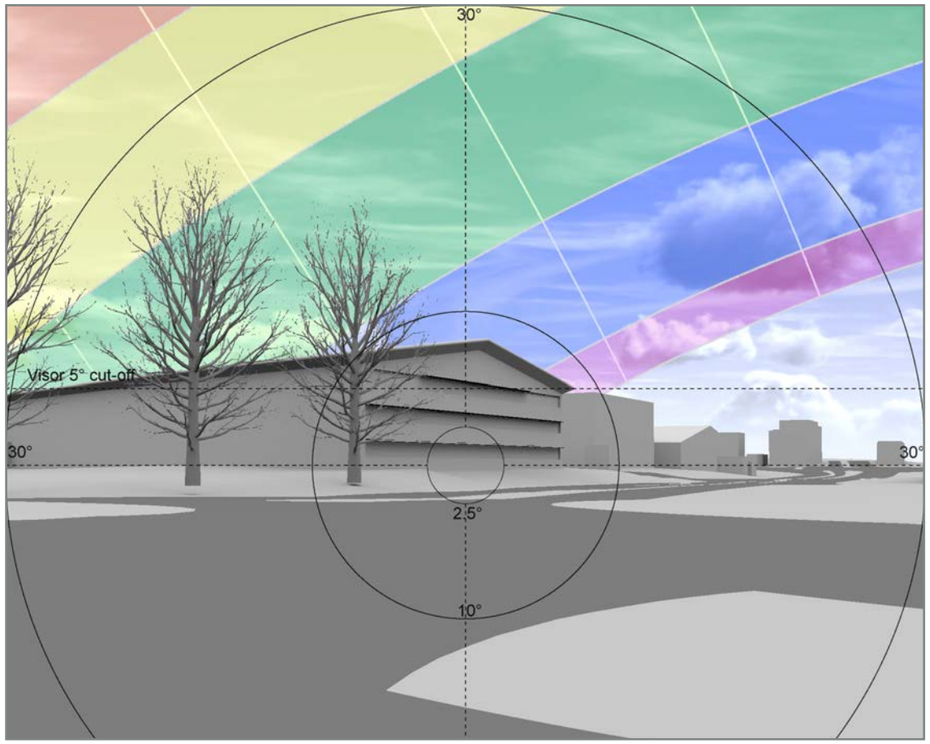

Fig. 36: Solar Glare - MONTHS - Close-up

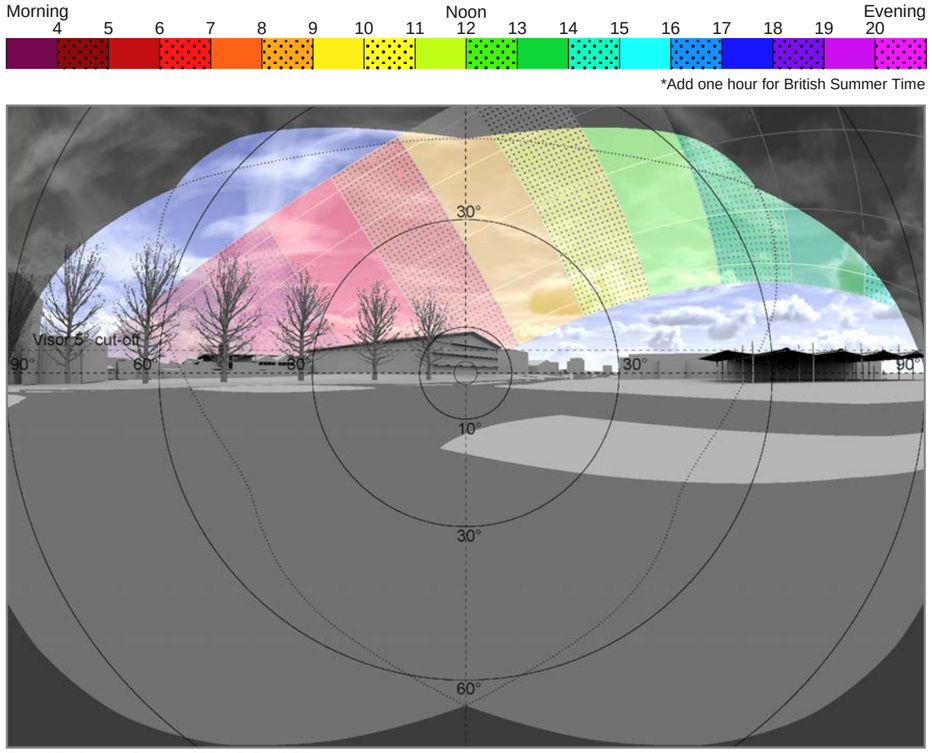

Fig. 37: Solar Glare - HOURS - 180 degrees view

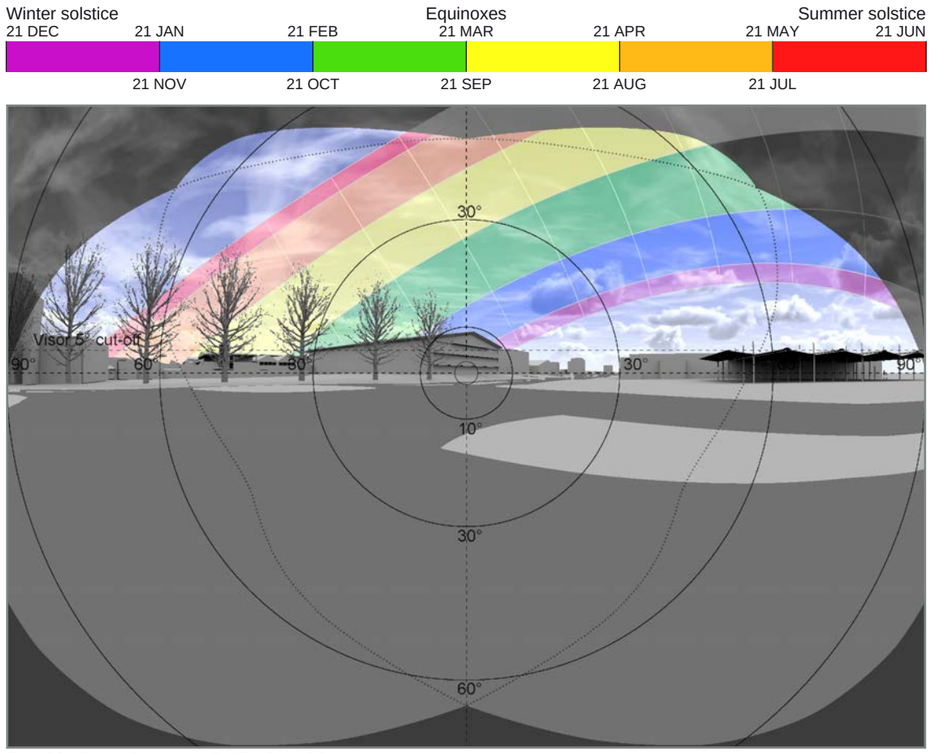

Fig. 38: Solar Glare - MONTHS - 180 degrees view

Title

Reflected Solar Glare
Frequency of Solar Reflections
Existing Scenario
Bare trees
Viewpont V2

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-10		

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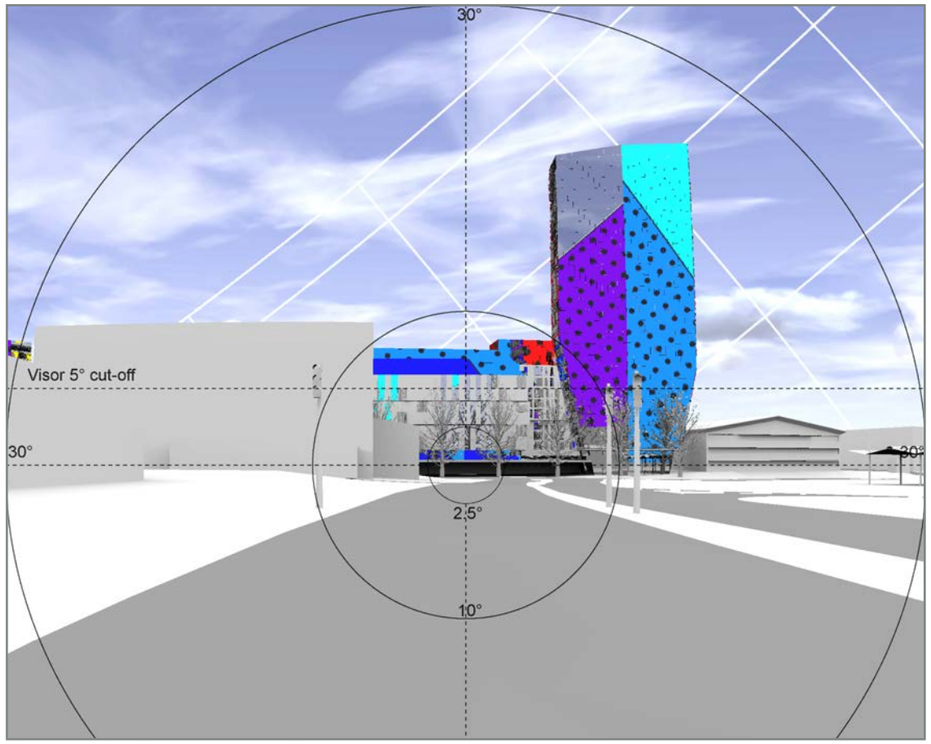


Fig. 39: Solar Glare - HOURS - Close-up

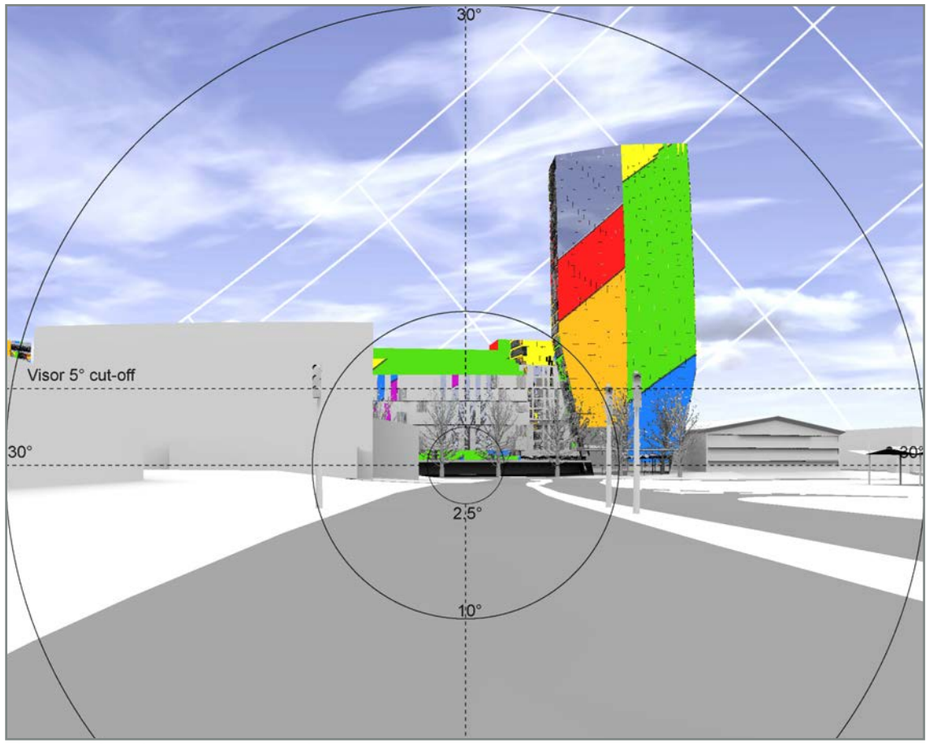


Fig. 40: Solar Glare - MONTHS - Close-up

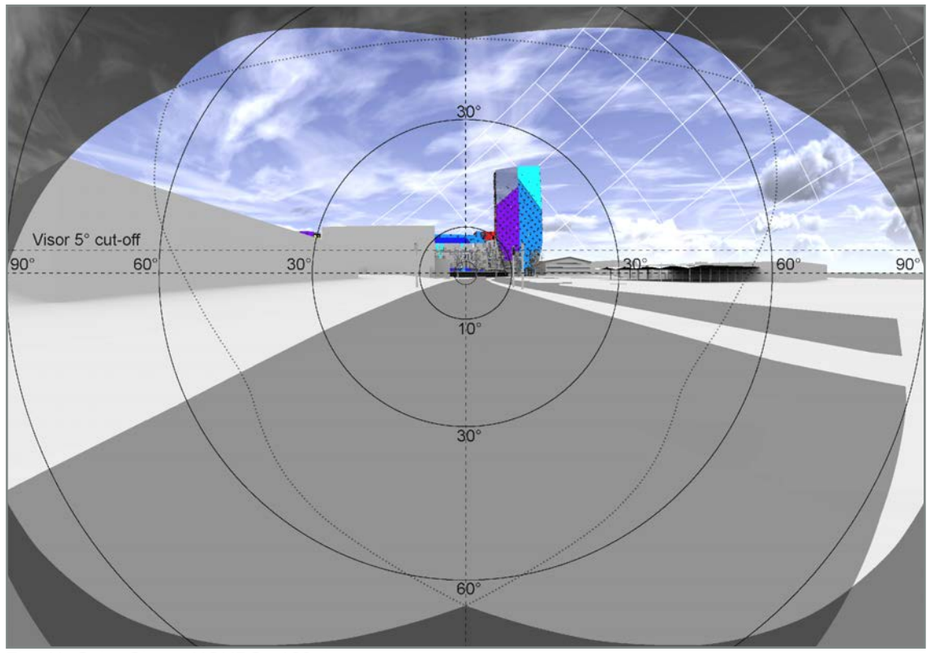


Fig. 41: Solar Glare - HOURS - 180 degrees view

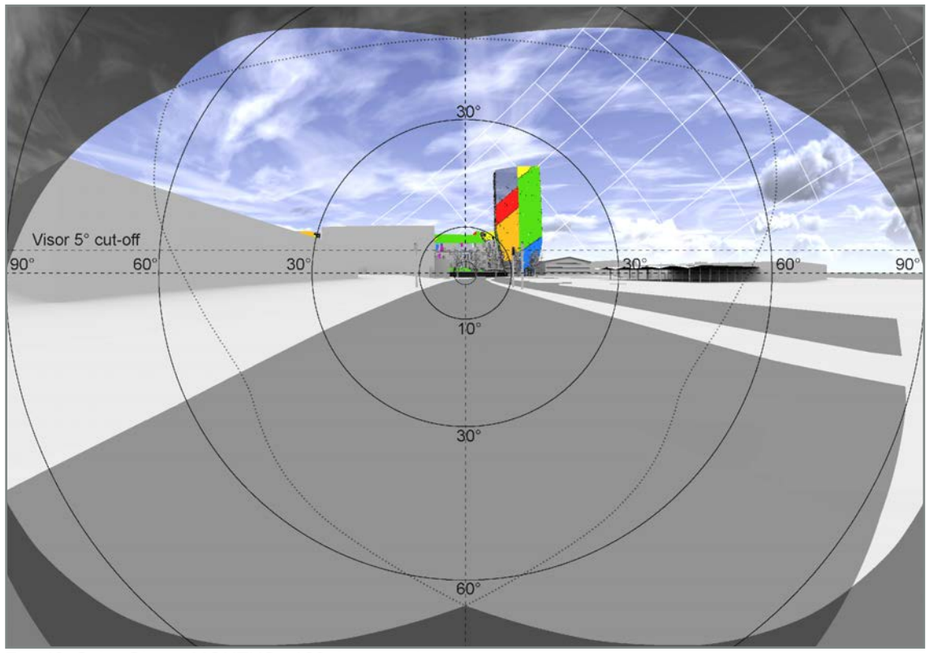


Fig. 42: Solar Glare - MONTHS - 180 degrees view

Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Bare trees
Viewpont V3A

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-11		

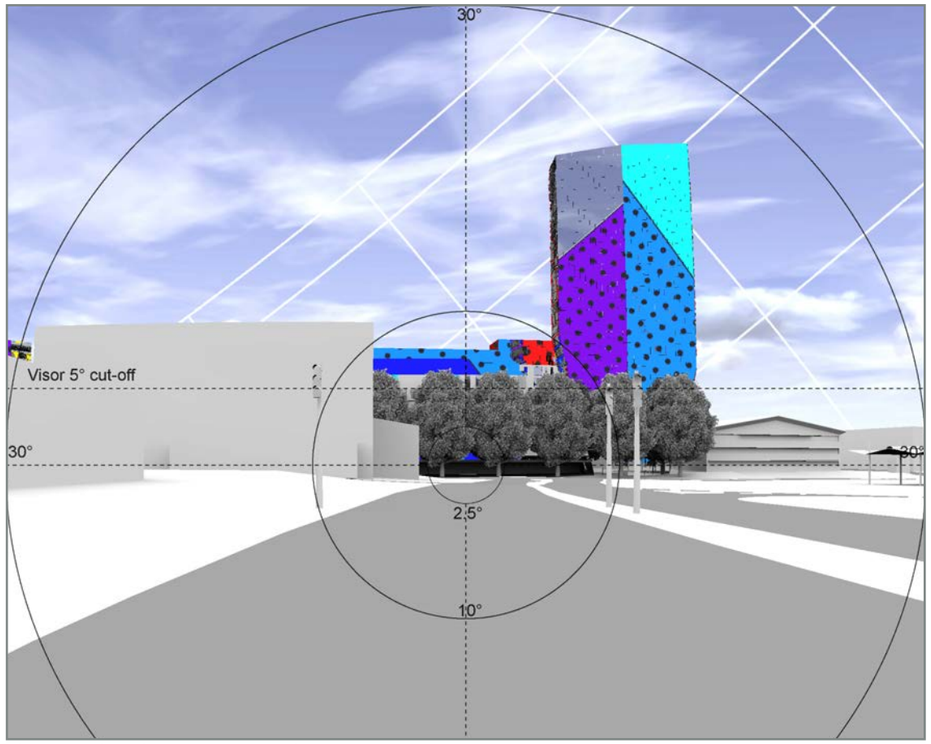


Fig. 43: Solar Glare - HOURS - Close-up

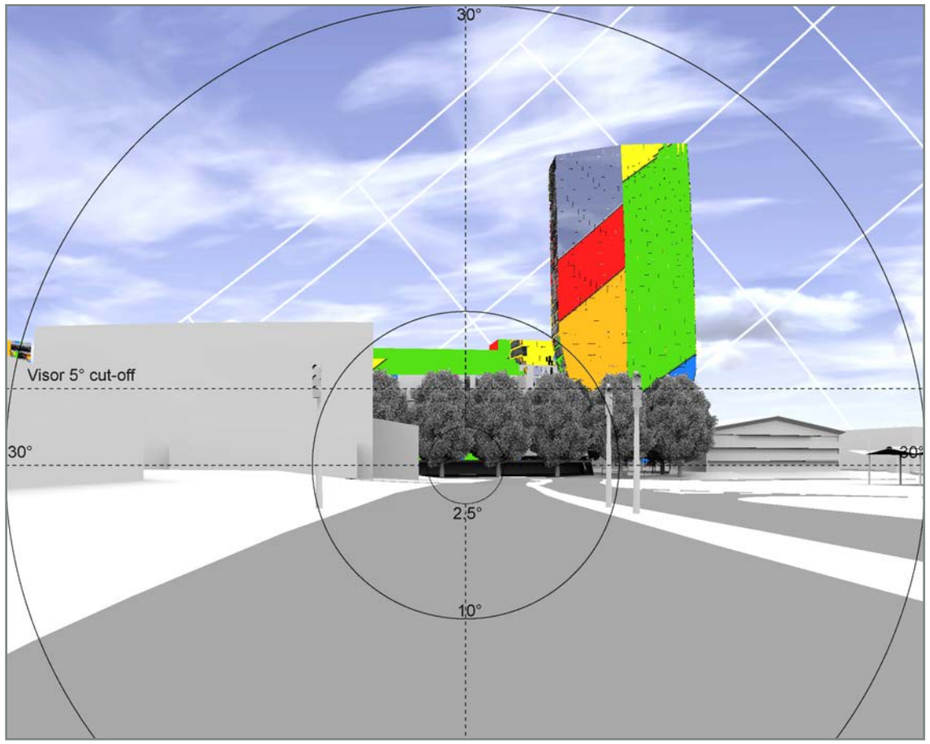
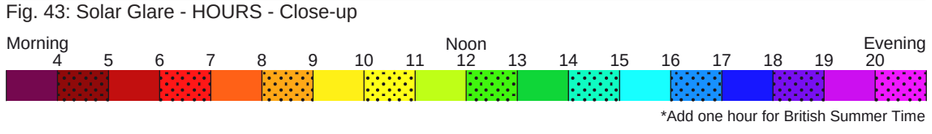


Fig. 44: Solar Glare - MONTHS - Close-up



*Add one hour for British Summer Time

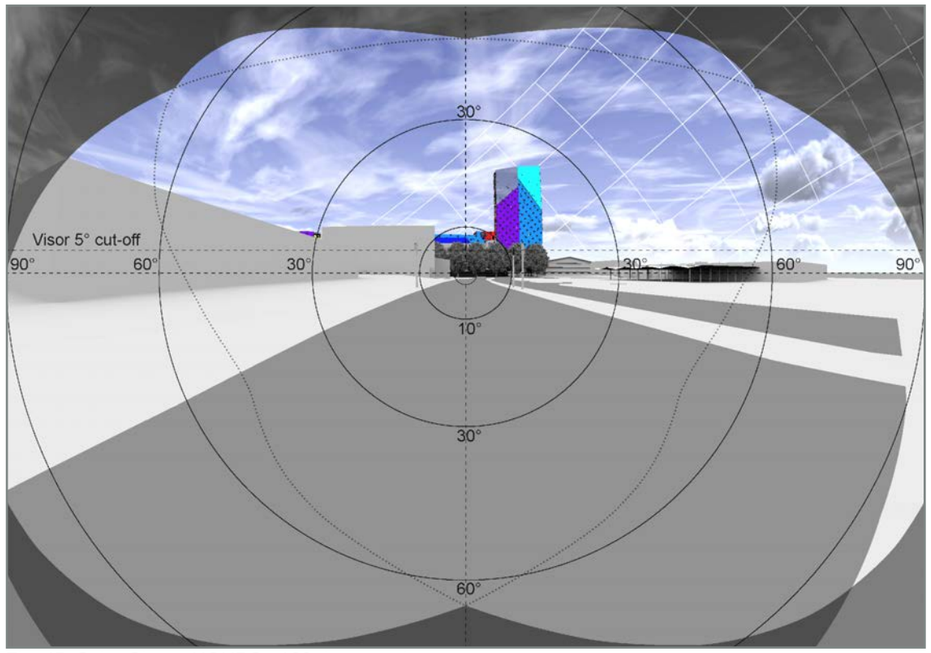
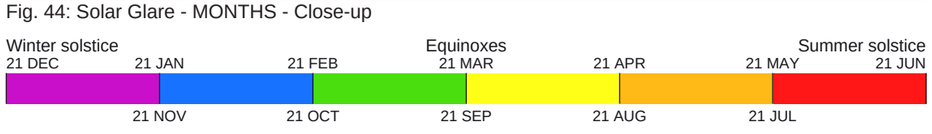


Fig. 45: Solar Glare - HOURS - 180 degrees view



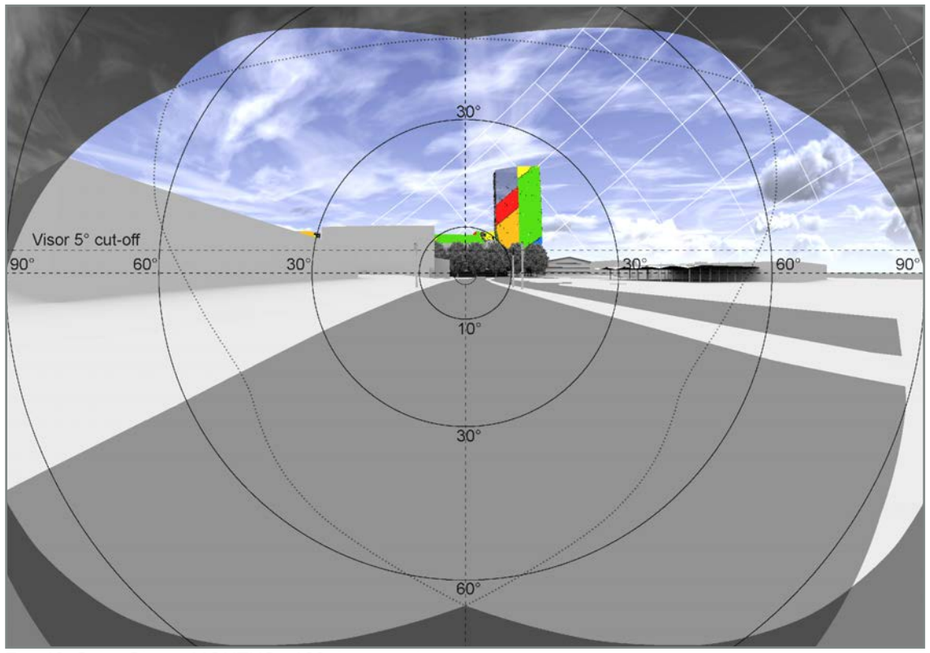


Fig. 46: Solar Glare - MONTHS - 180 degrees view

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Proposed Scenario
Trees in leaf
Viewpont V3A

Project	Taberner House London		
Reference	1864_SG01		
Drawn	VL	Checked	JB
Date	1/11/2016	Rel no.	01
Drawing no.	1864_SG01-12		

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Title

Reflected Solar Glare
Frequency of Solar Reflections
Existing Scenario
Bare trees
Viewpont V3A

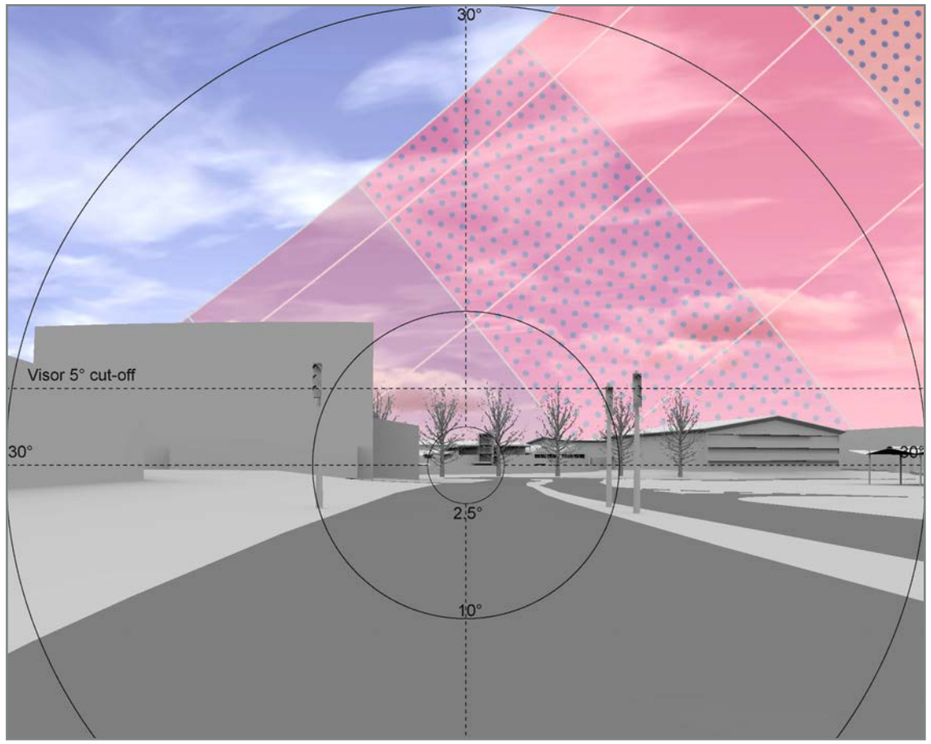

Fig. 47: Solar Glare - HOURS - Close-up

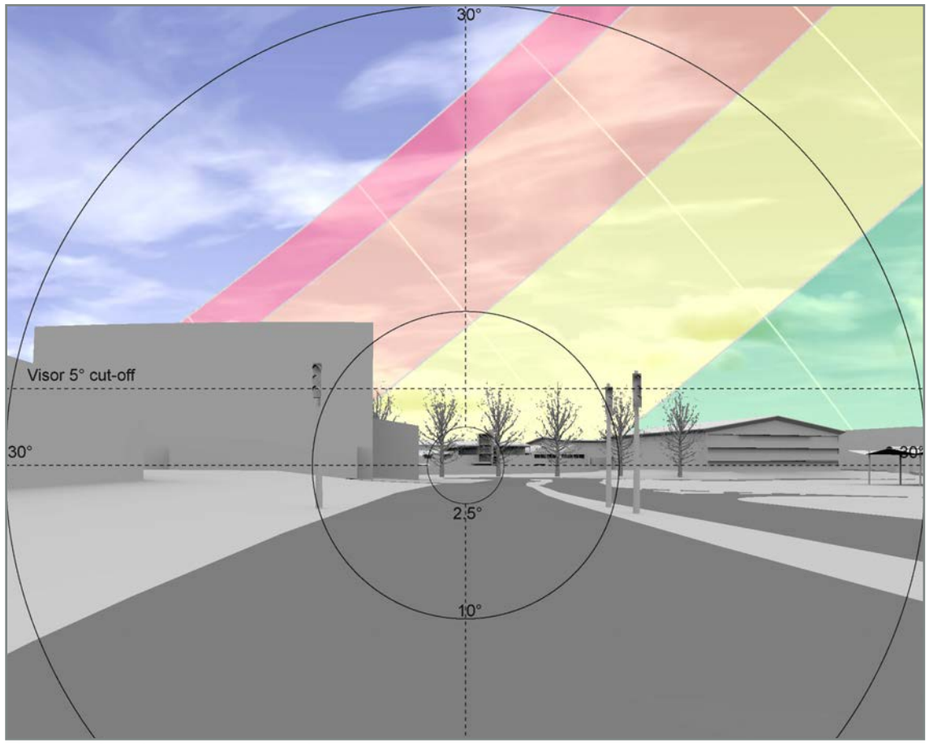

Fig. 48: Solar Glare - MONTHS - Close-up

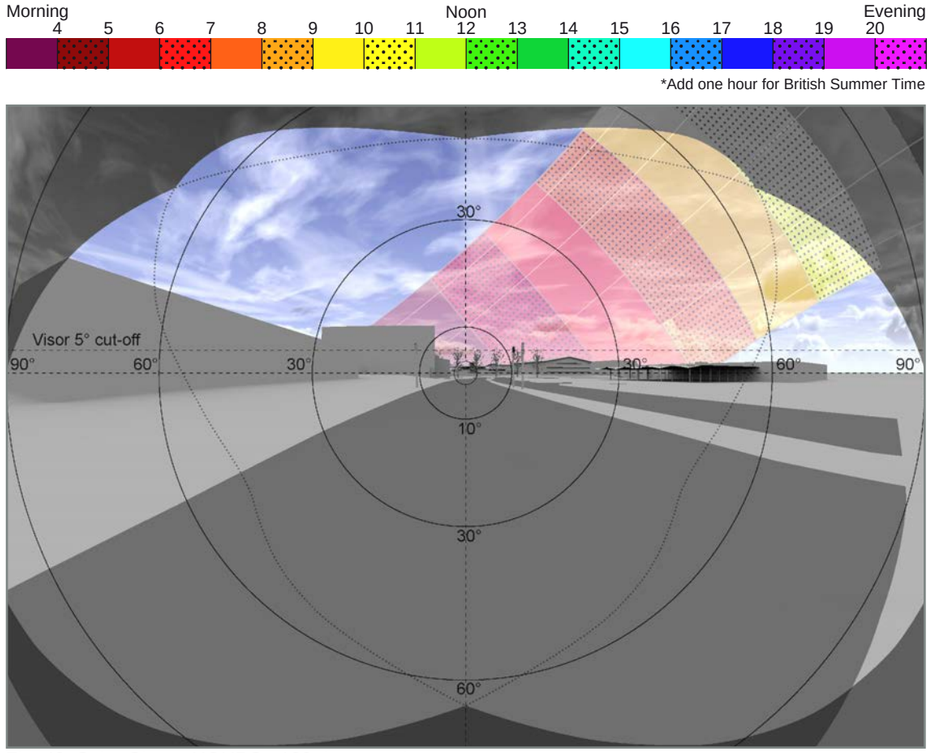

Fig. 49: Solar Glare - HOURS - 180 degrees view

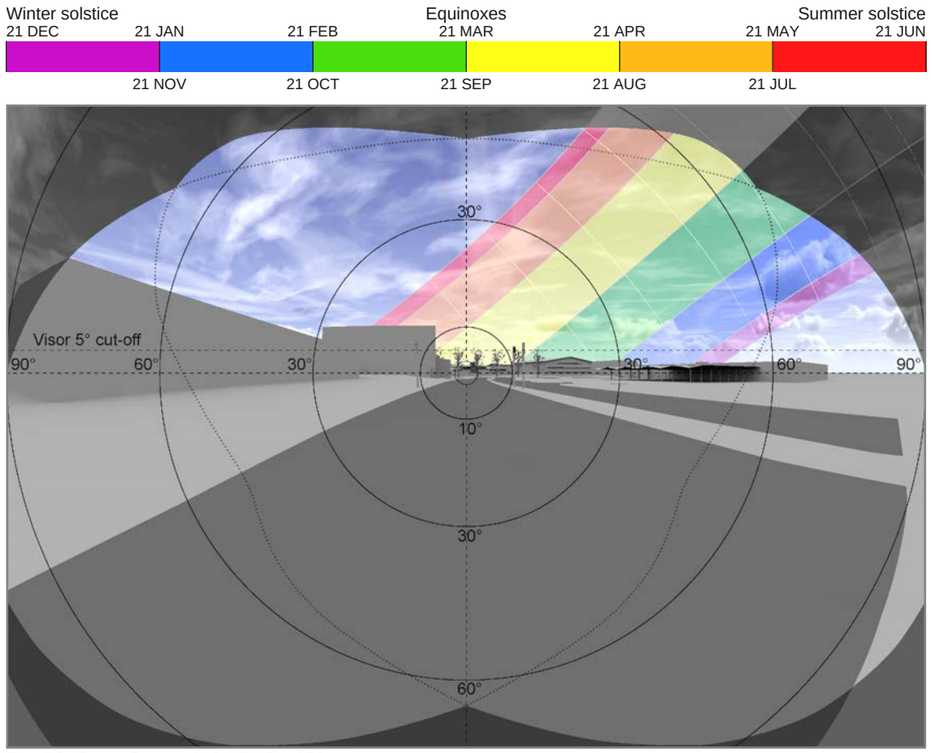

Fig. 50: Solar Glare - MONTHS - 180 degrees view

Project: Taberner House London
Reference: 1864_SG01
Drawn: VL
Checked: JB
Date: 1/11/2016
Rel no.: 01
Drawing no.: 1864_SG01-13