



Unlocking potential for a better built environment

APPENDIX 14.5

SOLAR GLARE ASSESSMENT

Station Hill - Phase 3A

SH Reading Master LLP

01 February 2026

GIA No: **5847**

PROJECT DATA:

Client **SH Reading Master LLP**
Architect **Gensler**
Project Title **Station Hill - Phase 3A**
Project Number **5847**

REPORT DATA:

Report Title **Solar Glare Assessment**
GIA Department **Daylight Department**
Dated **01 February 2026**
Prepared by **RL/VT**
Checked by **KST**
Type **Appendix**

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Release Number **Rel-105_5847**
Issue Number **46**
3D models **VU.CITY**

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1 OVERVIEW: TRACKS AND VIEWPOINTS

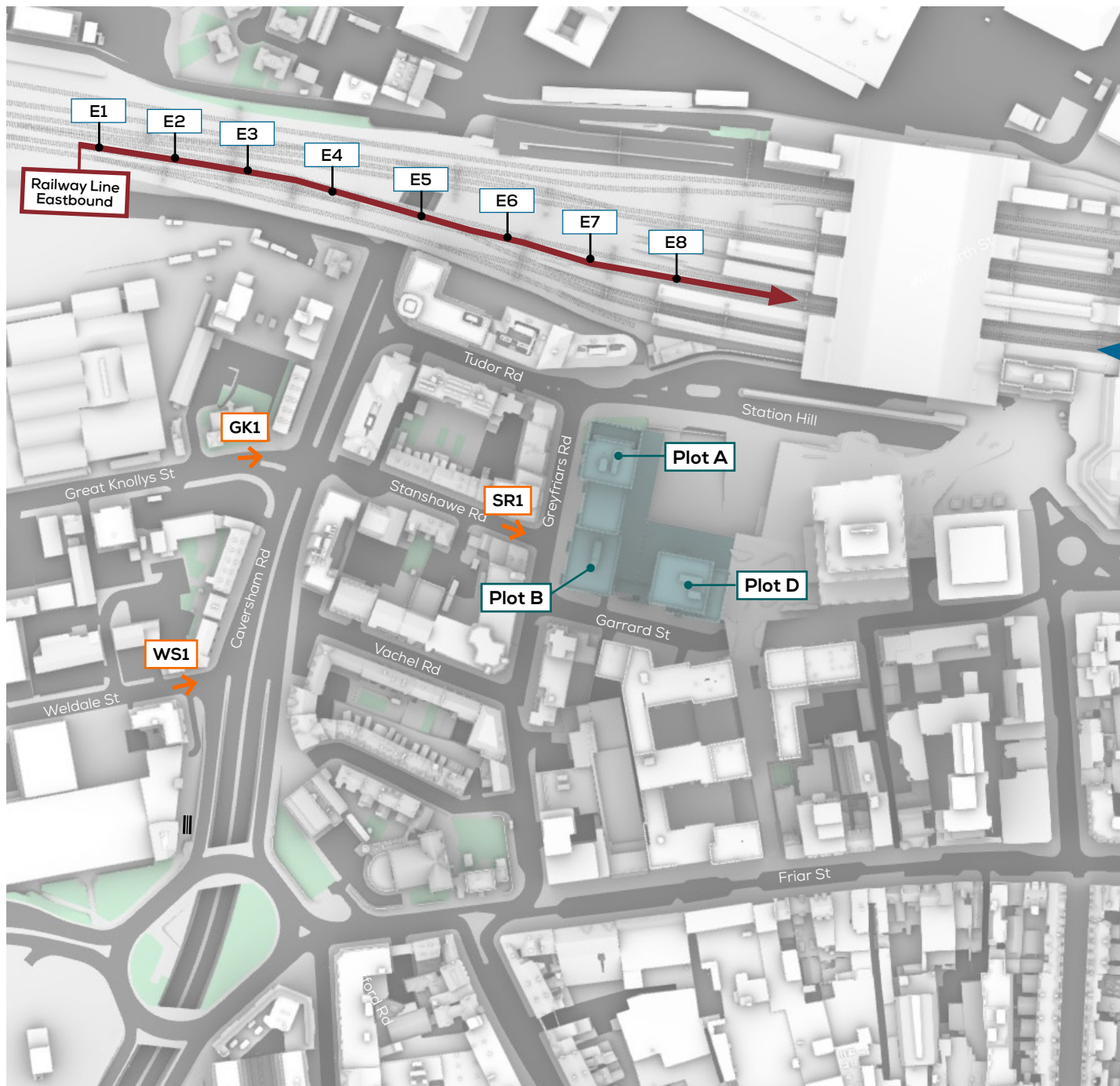
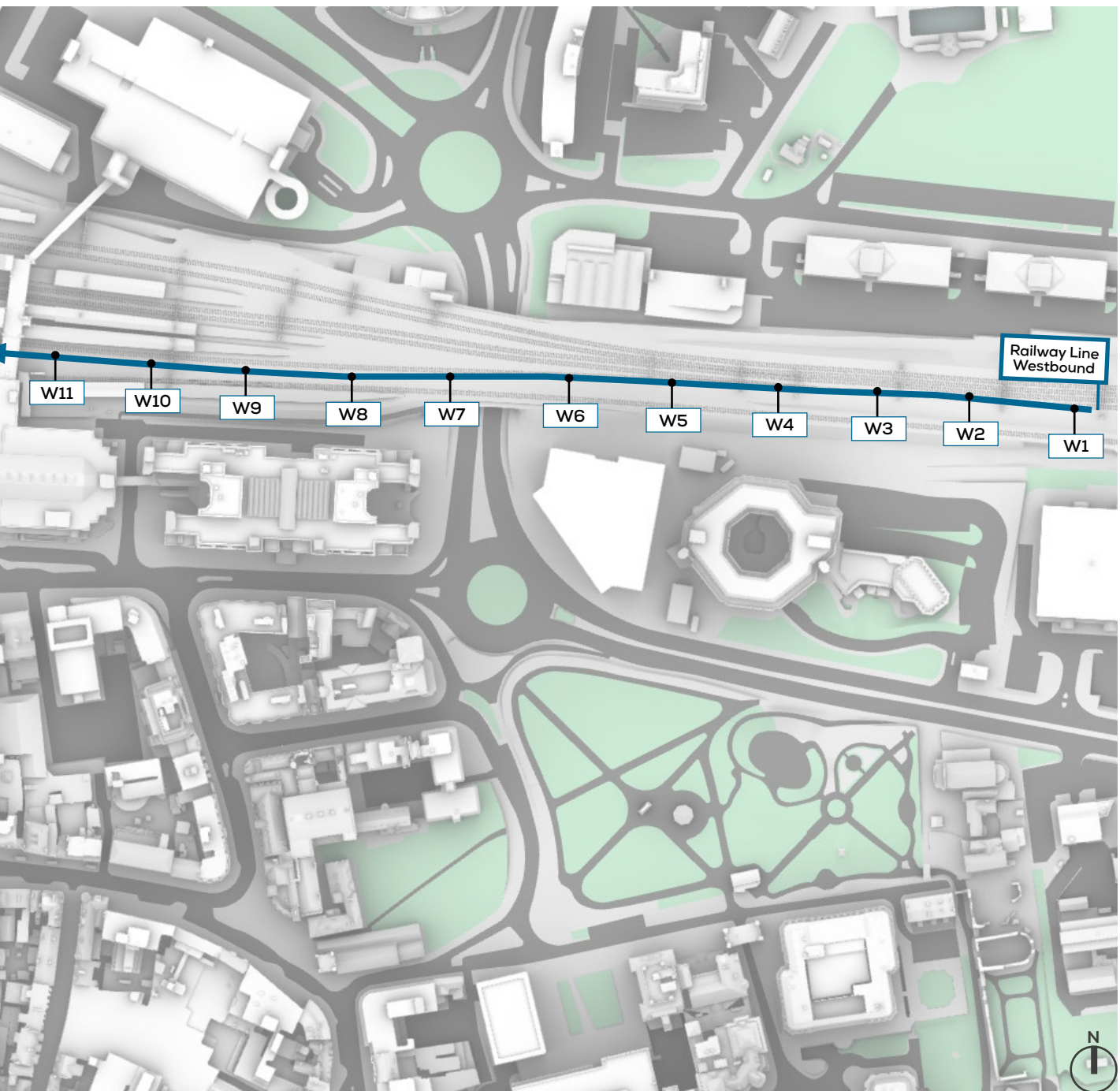


Fig. 01: Site Plan - Tracks and Viewpoints

- ➔ Train Track 7 - Eastbound (E)
- ➔ Train Track 7 - Westbound (W)
- ➔ Reflections visible within 30° at the sensitive location from the road



ROAD VIEWPOINTS

GK1 Great Knollys St

WS1 Weldale St

SR1 Stanshawe Rd

2 SOLAR GLARE ASSESSMENT

60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W1
WITHOUT PLOT C

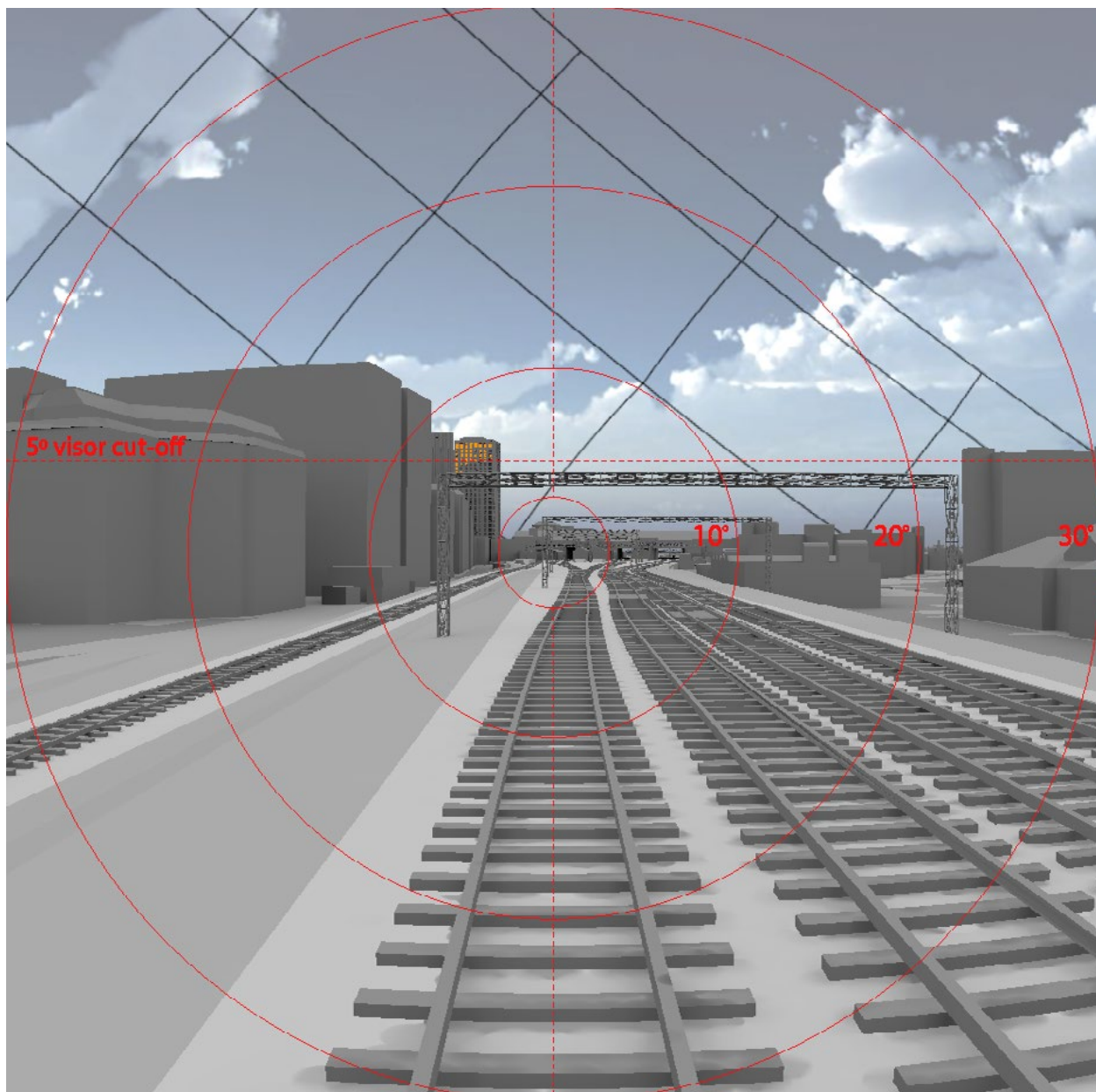
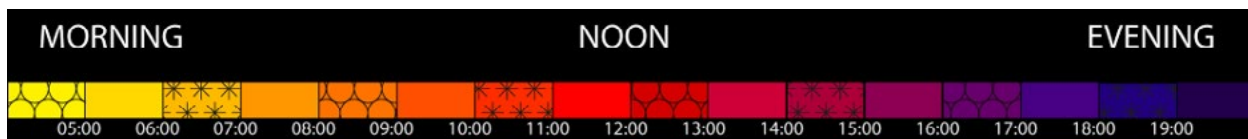


Fig. 02: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W1
WITHOUT PLOT C

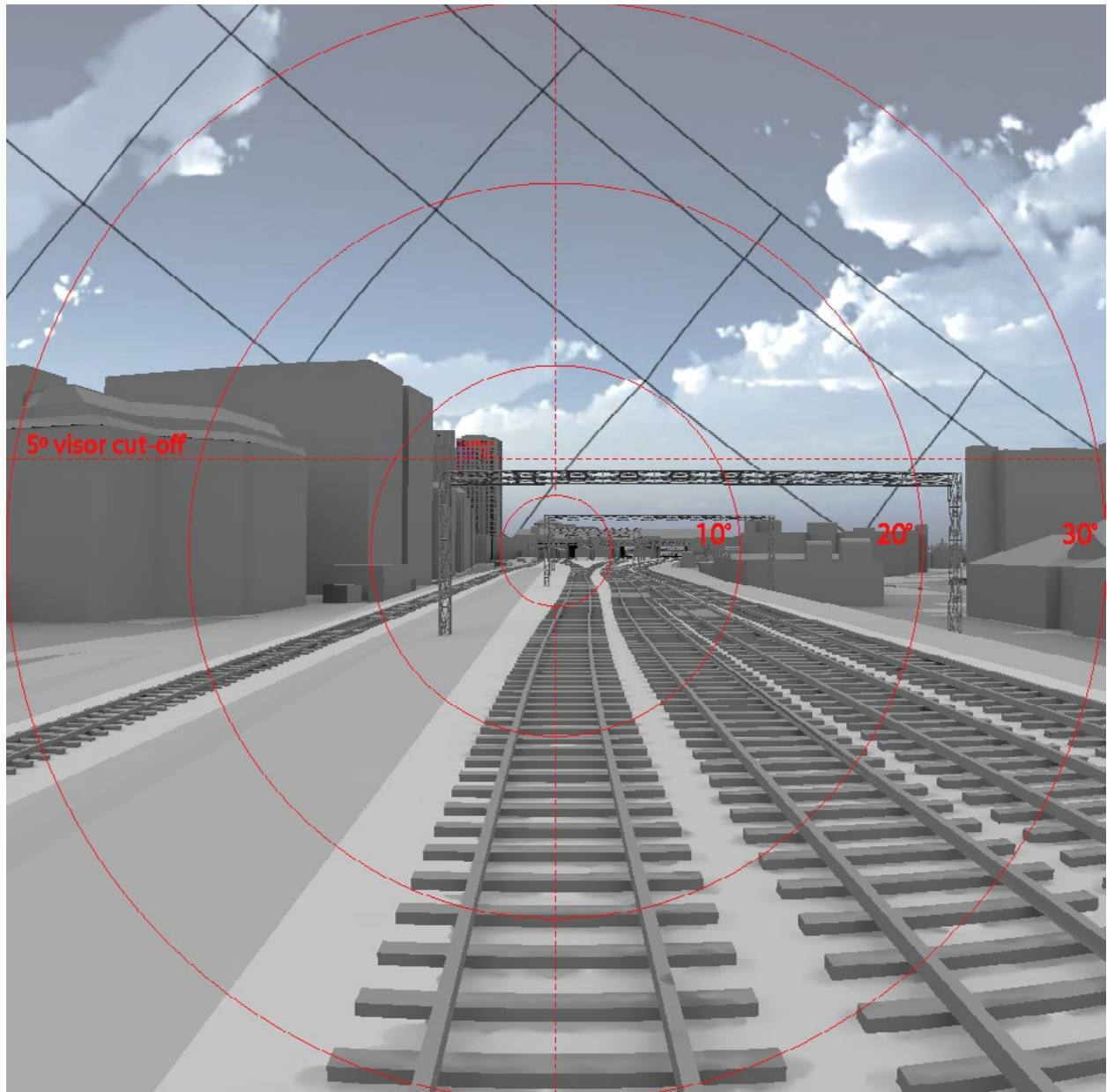


Fig. 03: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W2
WITHOUT PLOT C

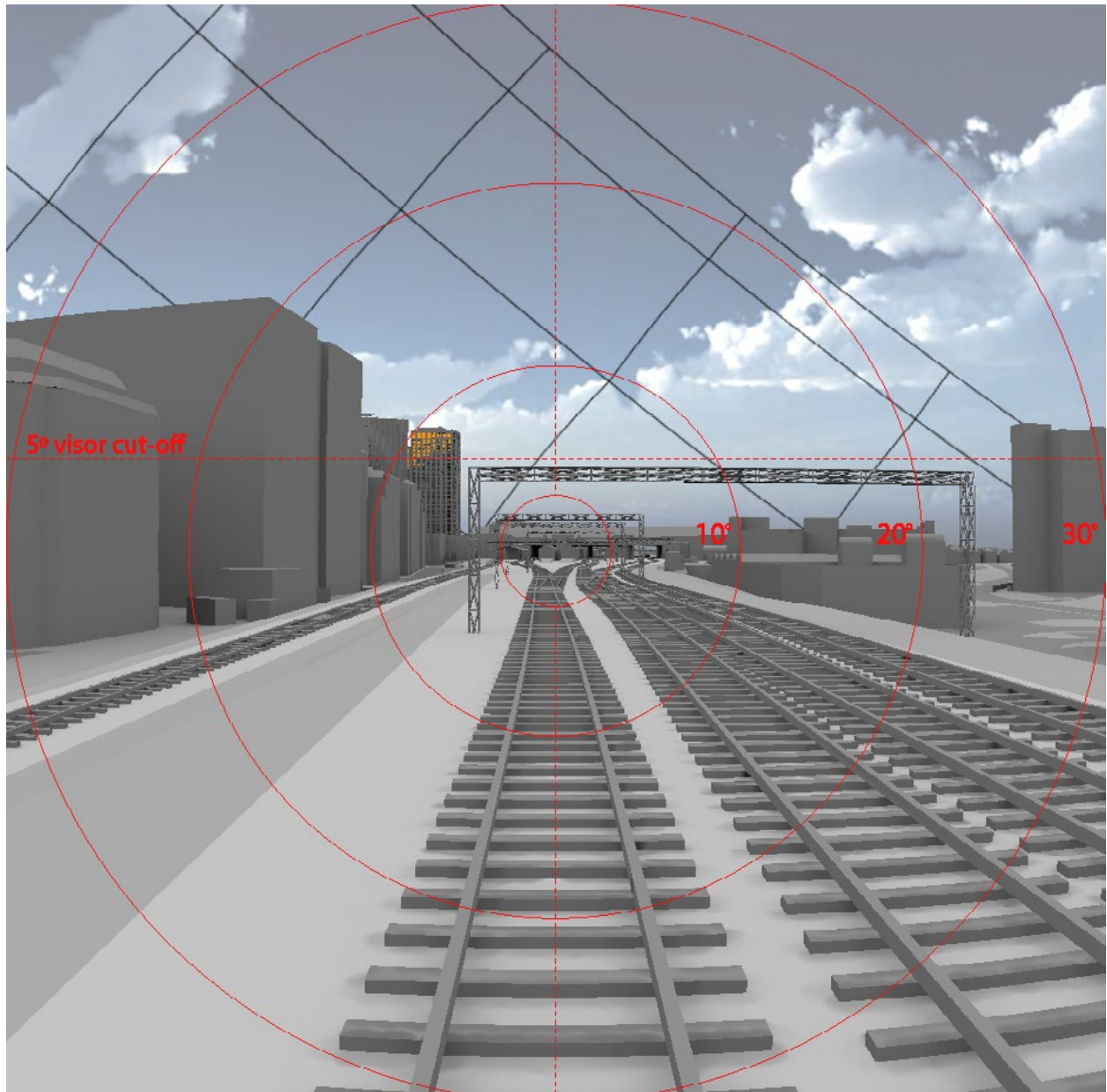
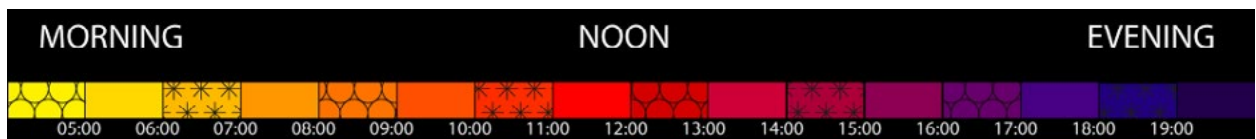


Fig. 04: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W2
WITHOUT PLOT C

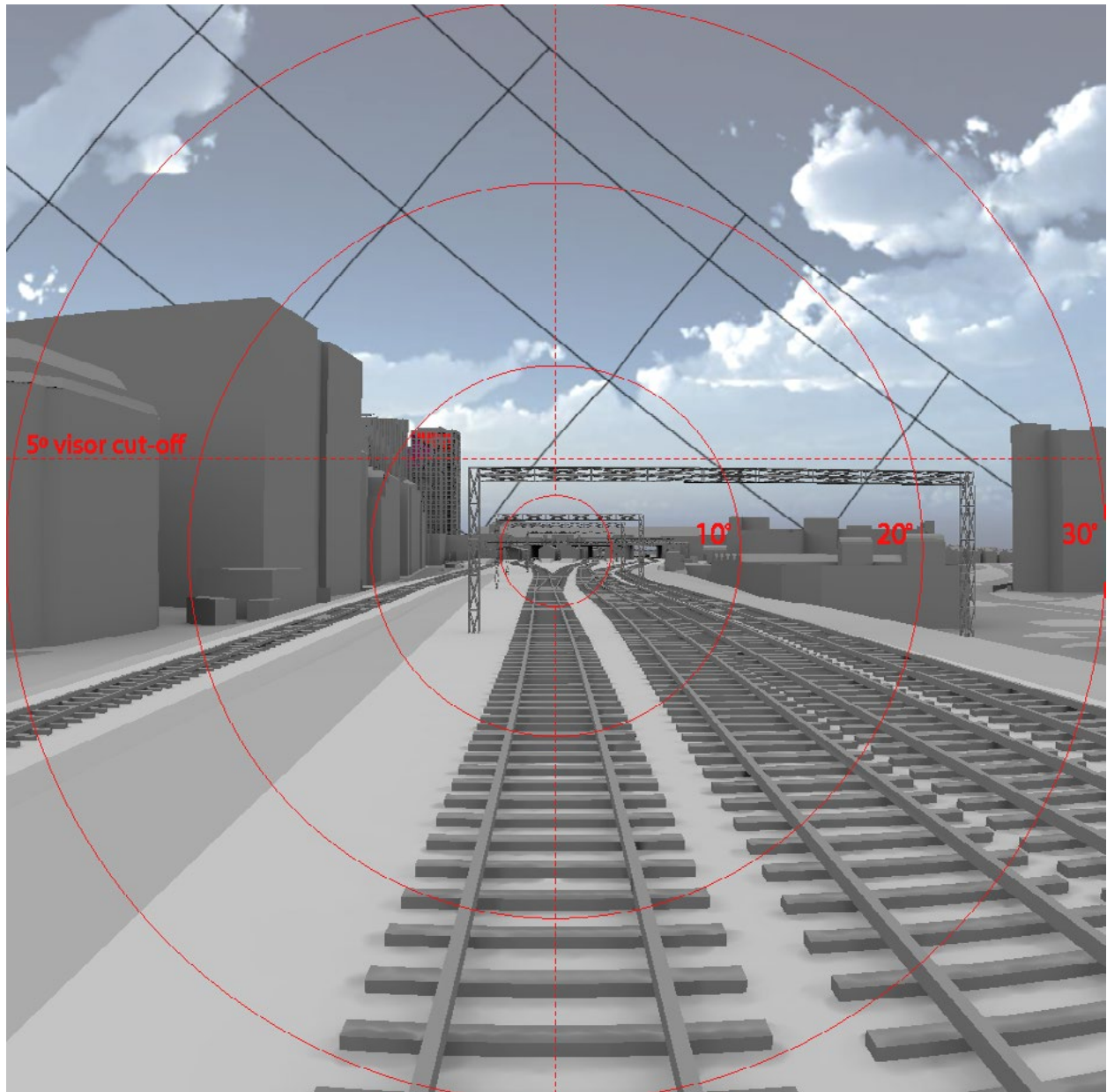


Fig. 05: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W3
WITHOUT PLOT C

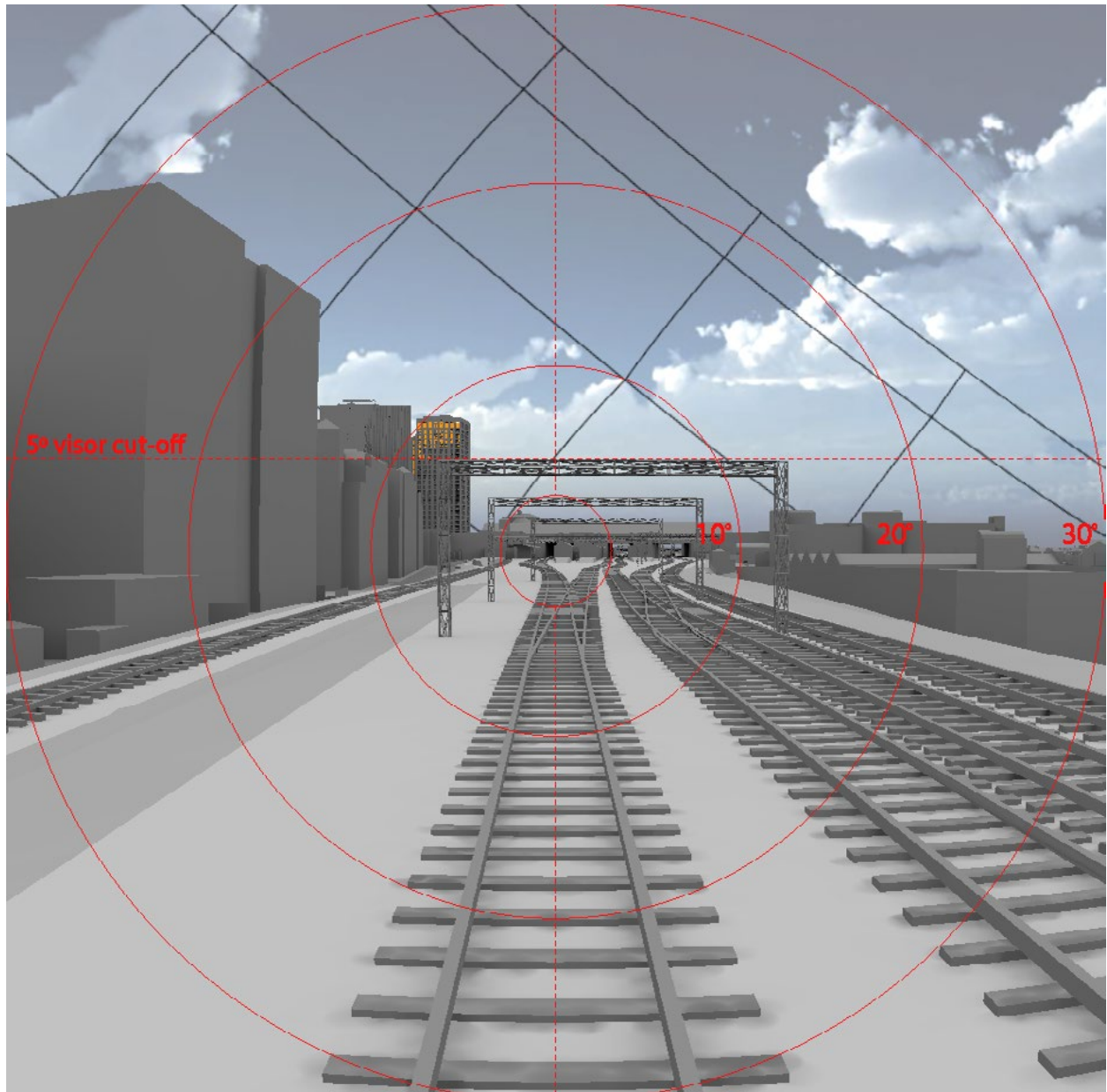
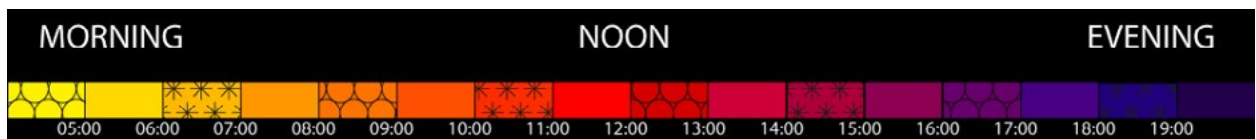


Fig. 06: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W3
WITHOUT PLOT C

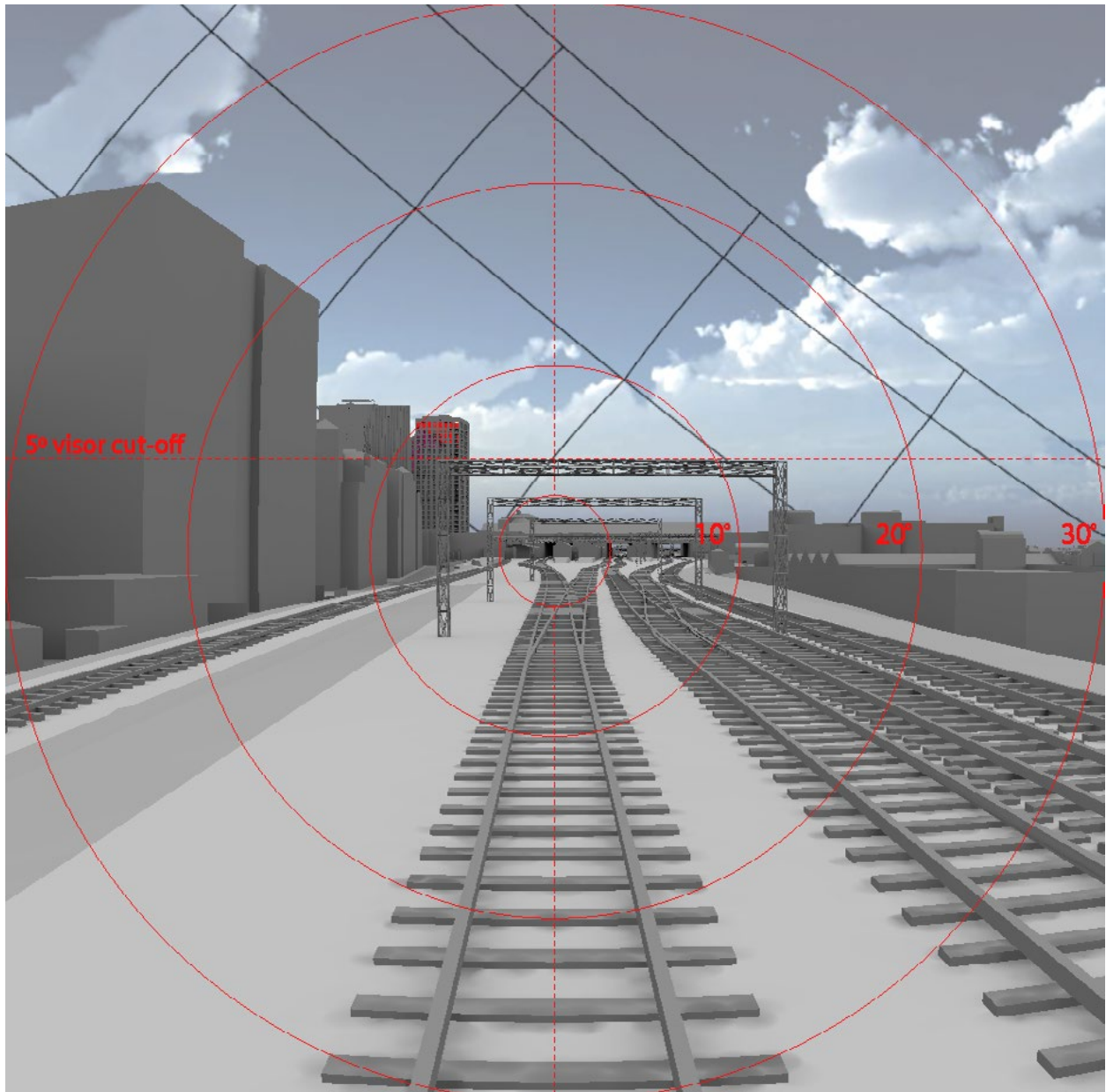


Fig. 07: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W4
WITHOUT PLOT C

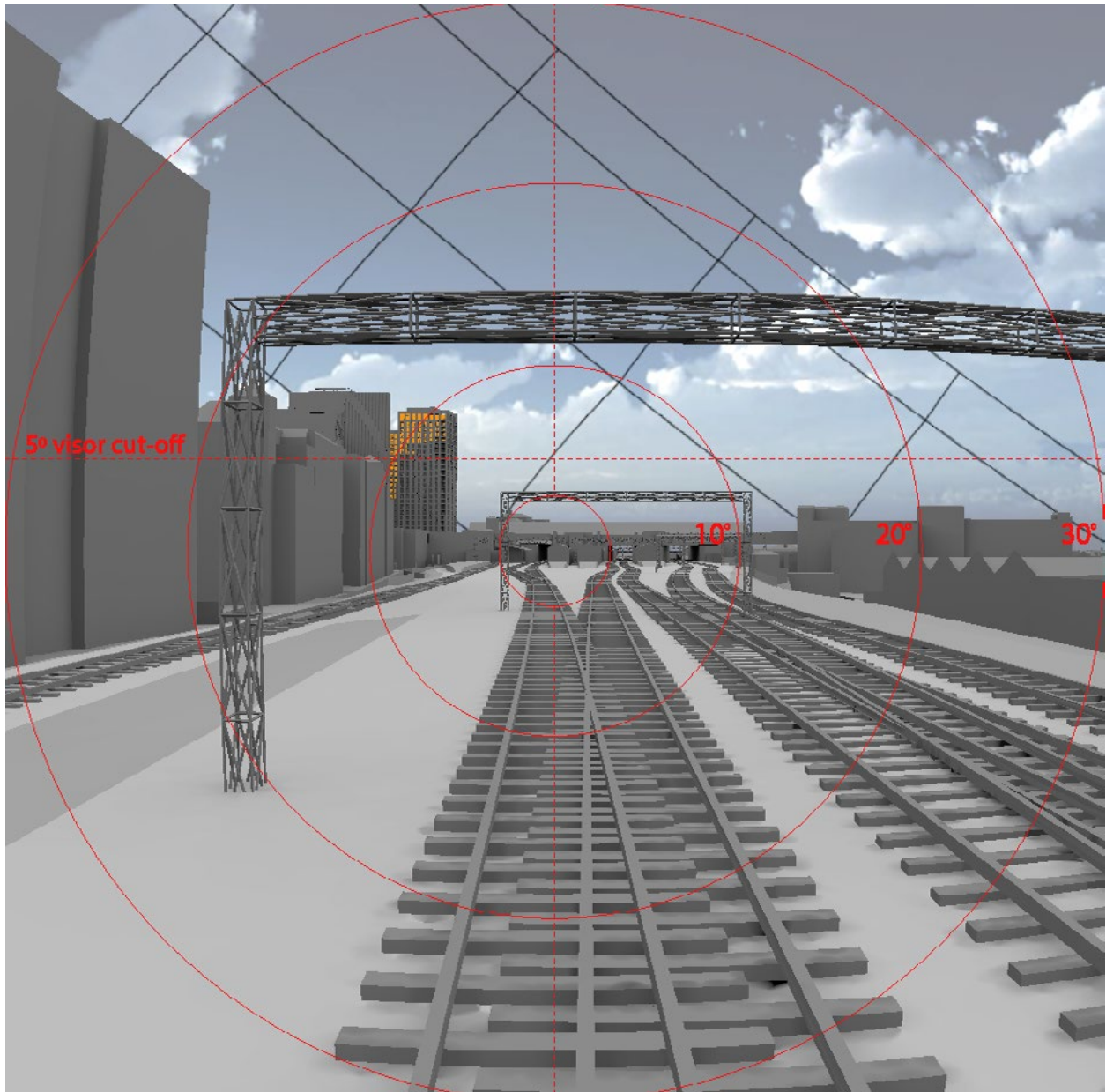
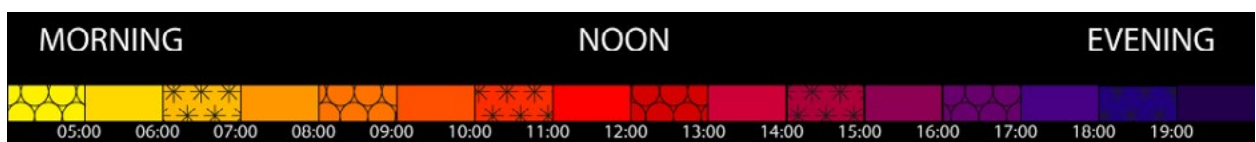


Fig. 08: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W4
WITHOUT PLOT C

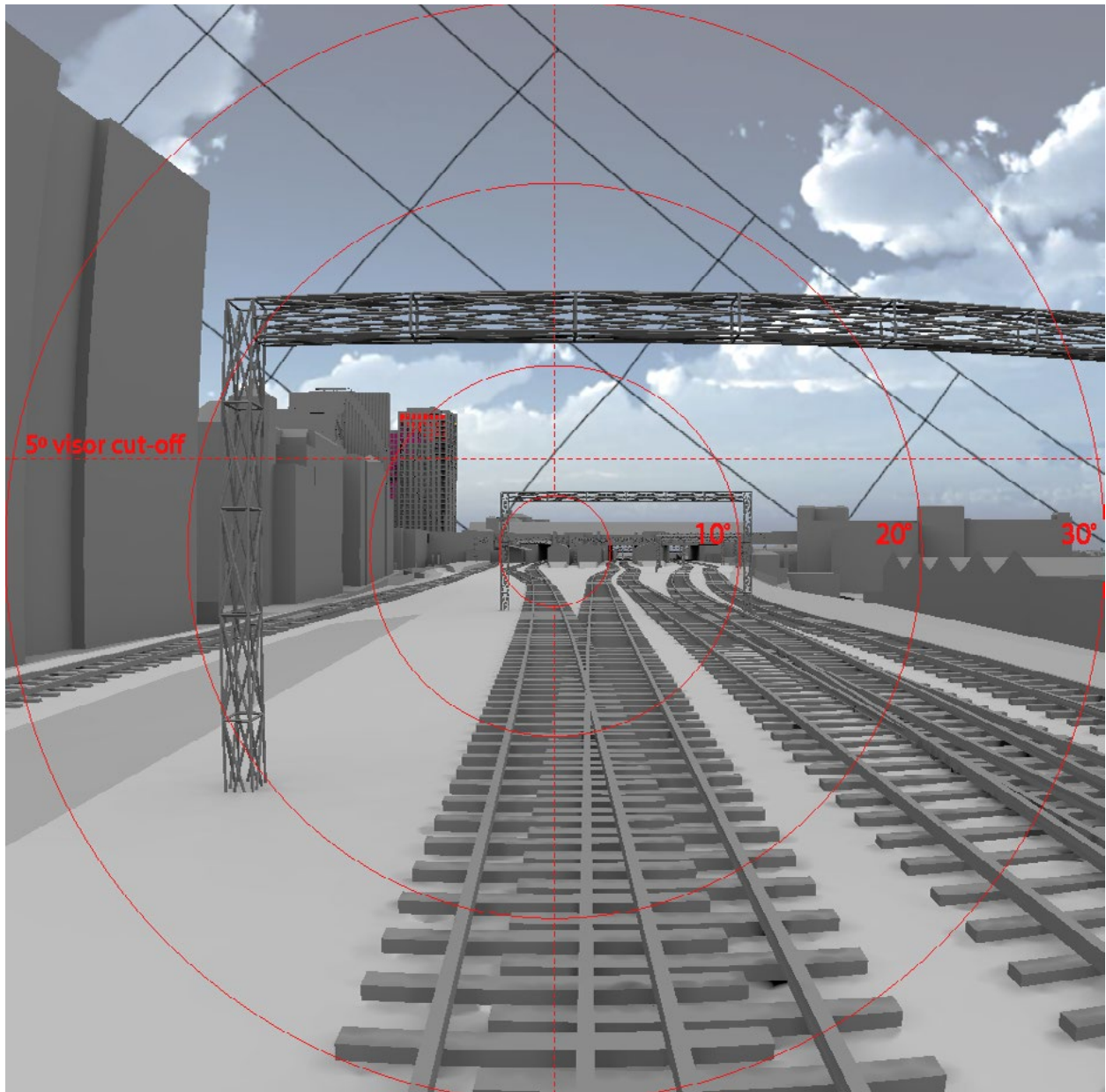


Fig. 09: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W5
WITHOUT PLOT C

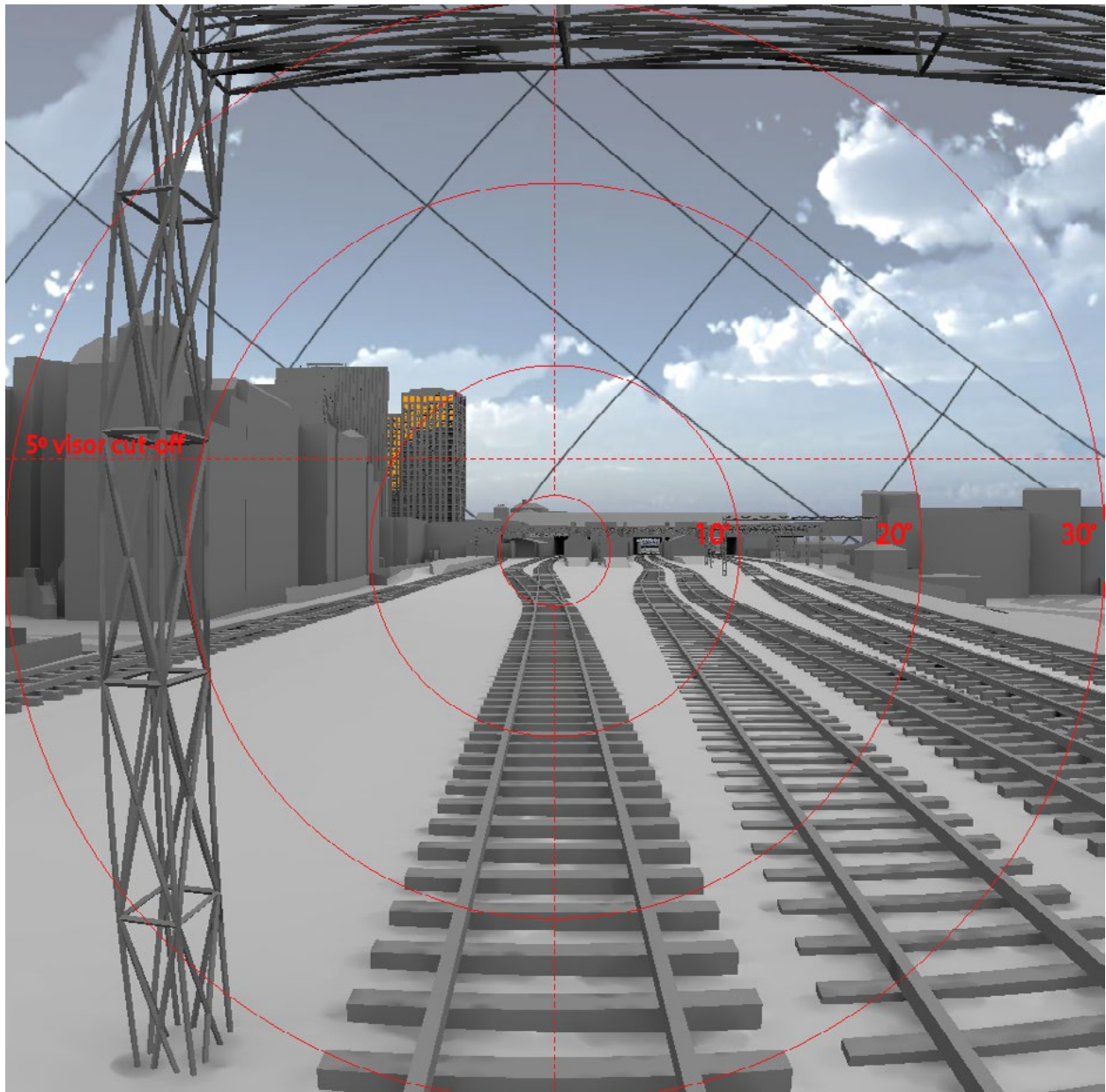
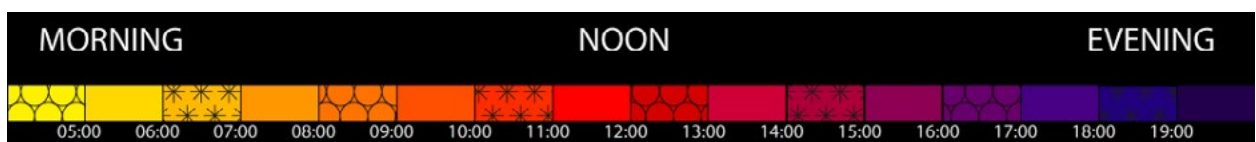


Fig. 10: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W5
WITHOUT PLOT C

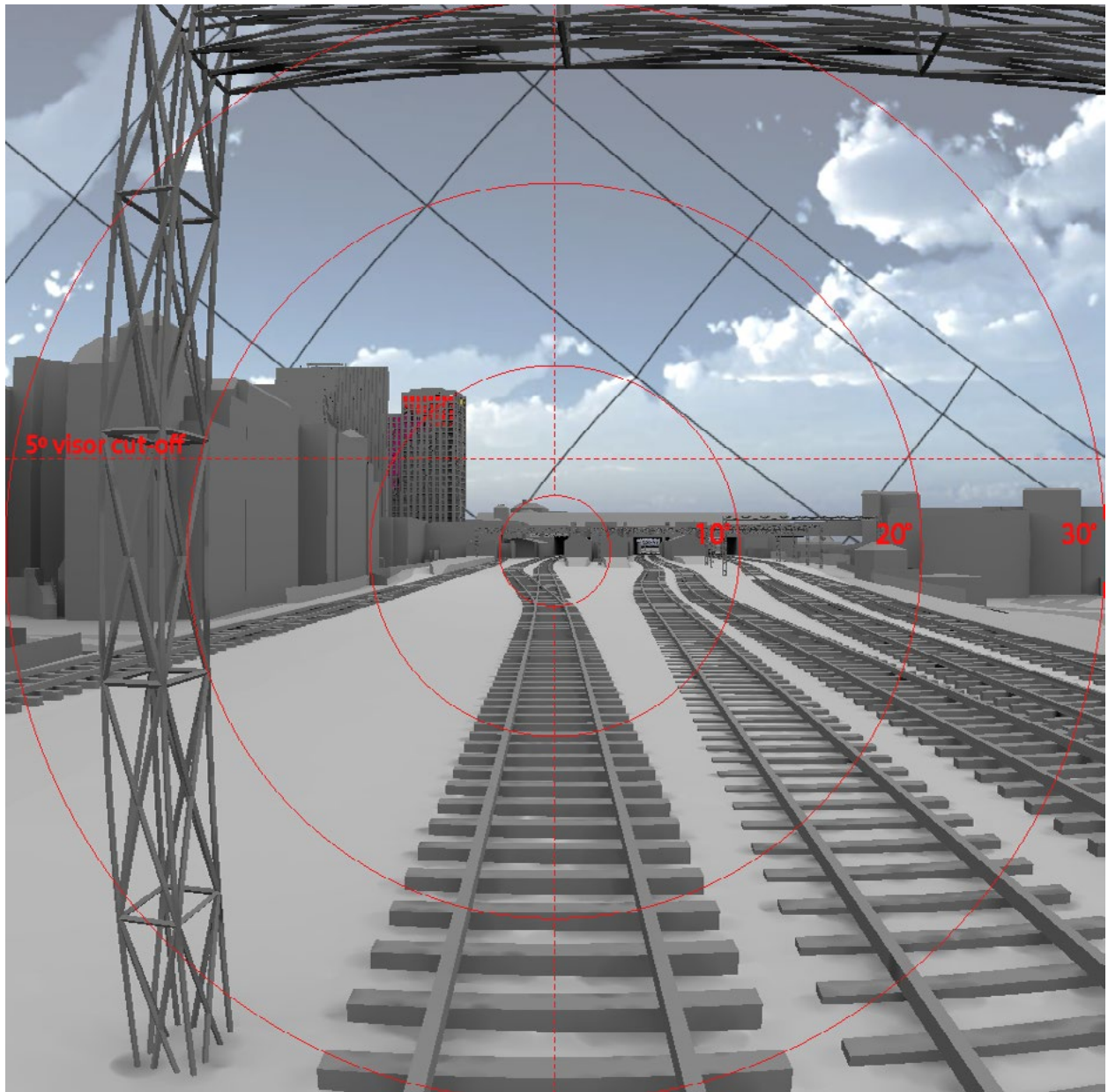


Fig. 11: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W6
WITHOUT PLOT C

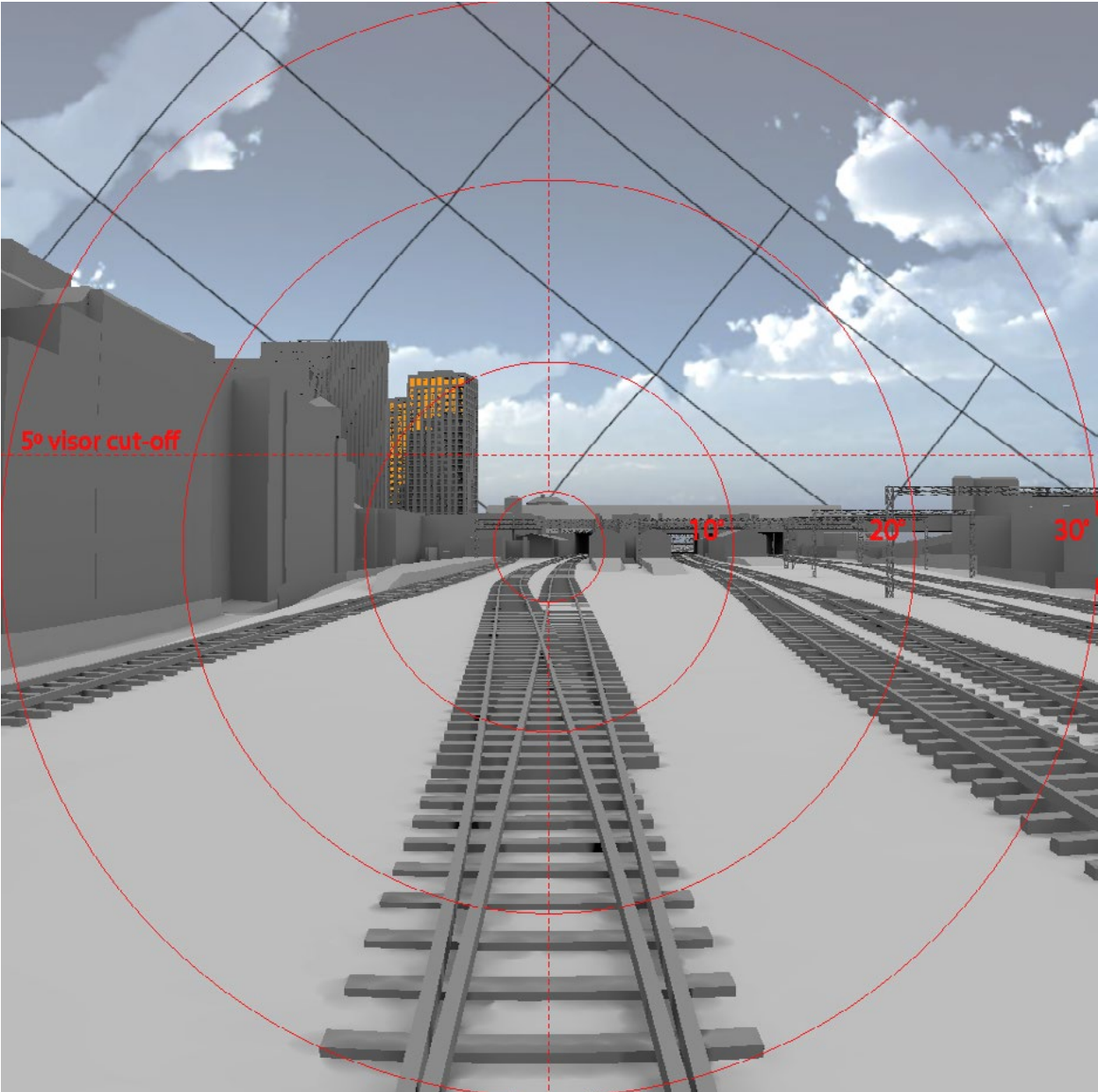
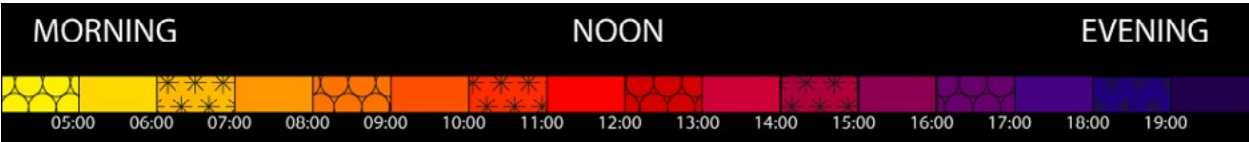


Fig. 12: Solar reflections



60° FIELD OF VIEW: SEASON
 TRACK 7 WEST - VIEWPOINT W6
 WITHOUT PLOT C

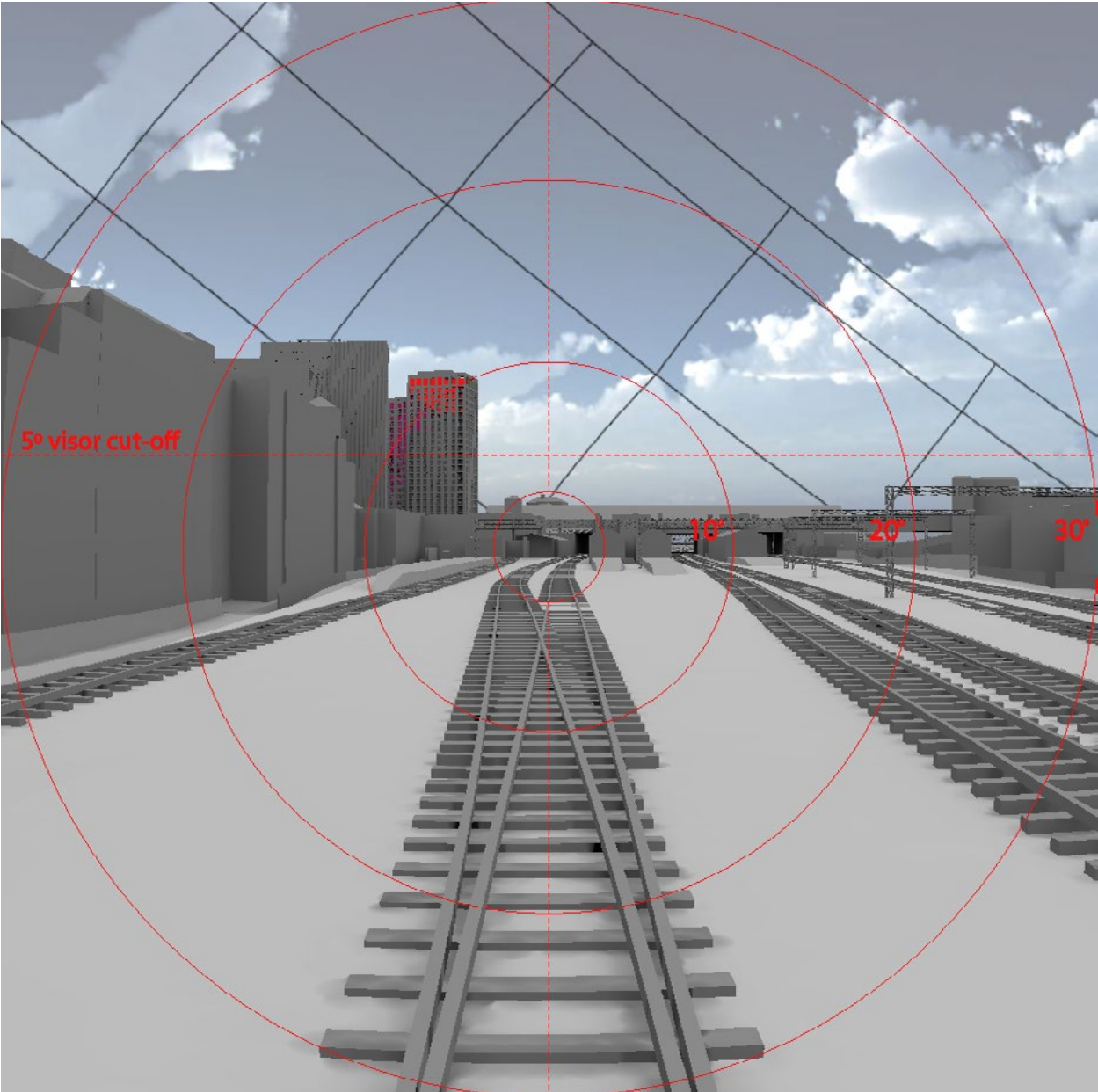


Fig. 13: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W7
WITHOUT PLOT C

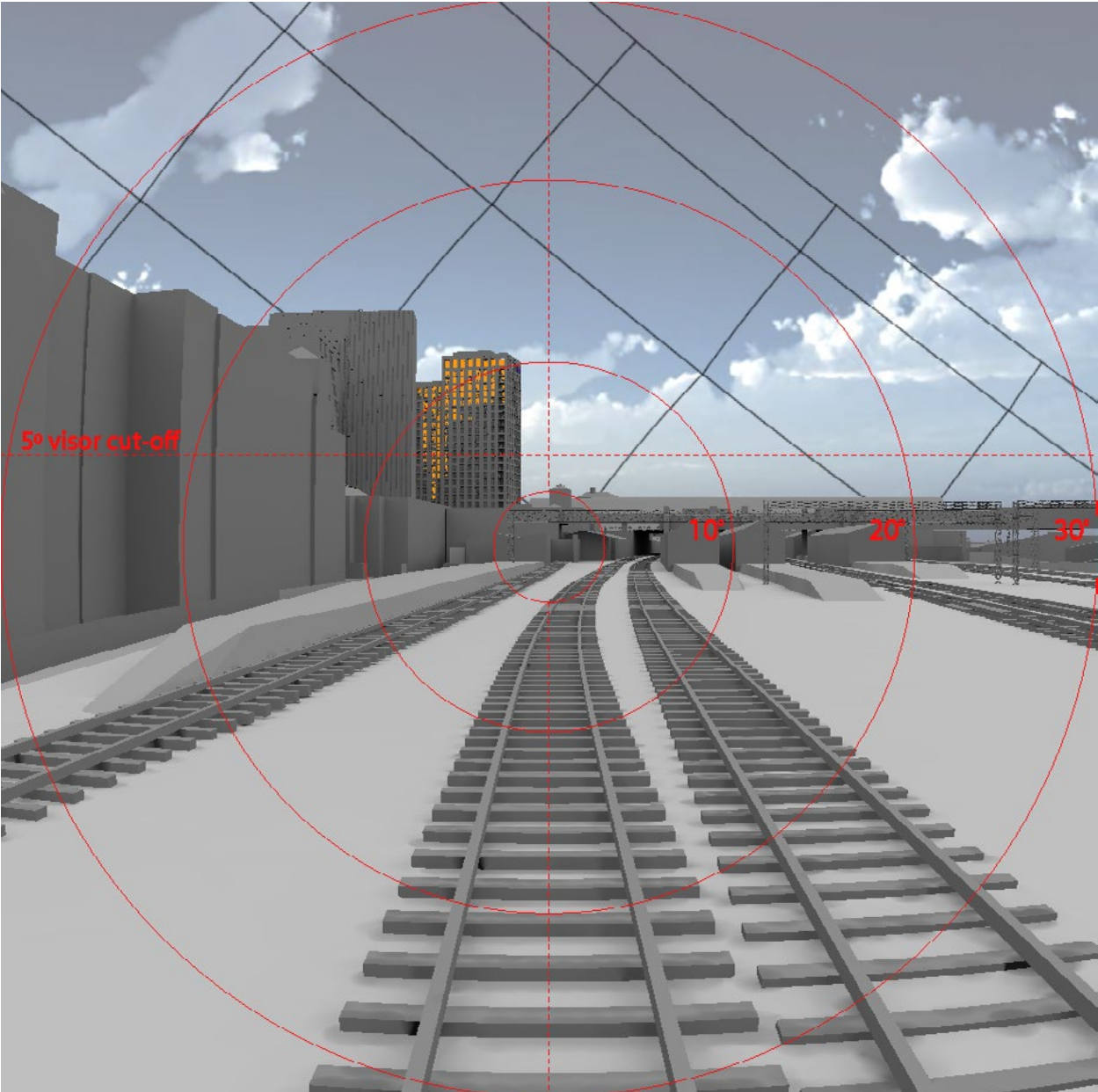
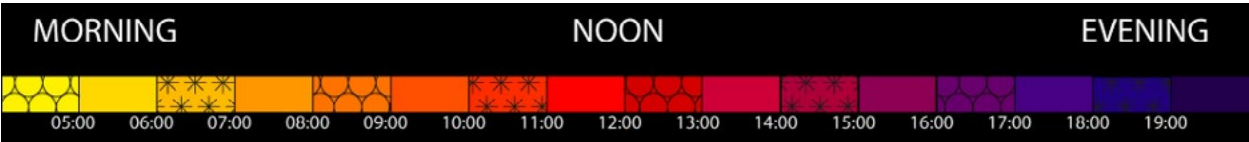


Fig. 14: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W7
WITHOUT PLOT C

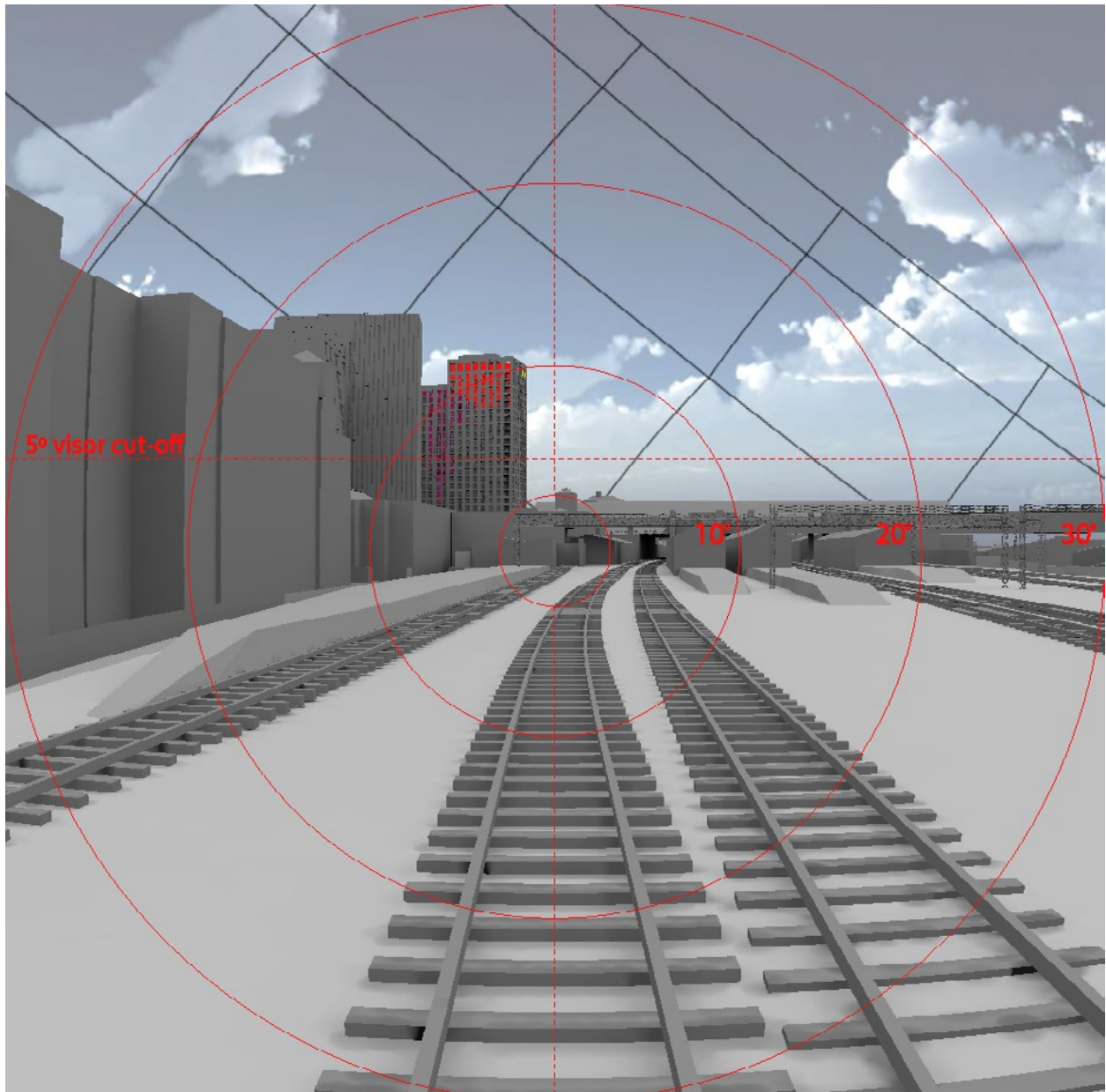


Fig. 15: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W8
WITHOUT PLOT C

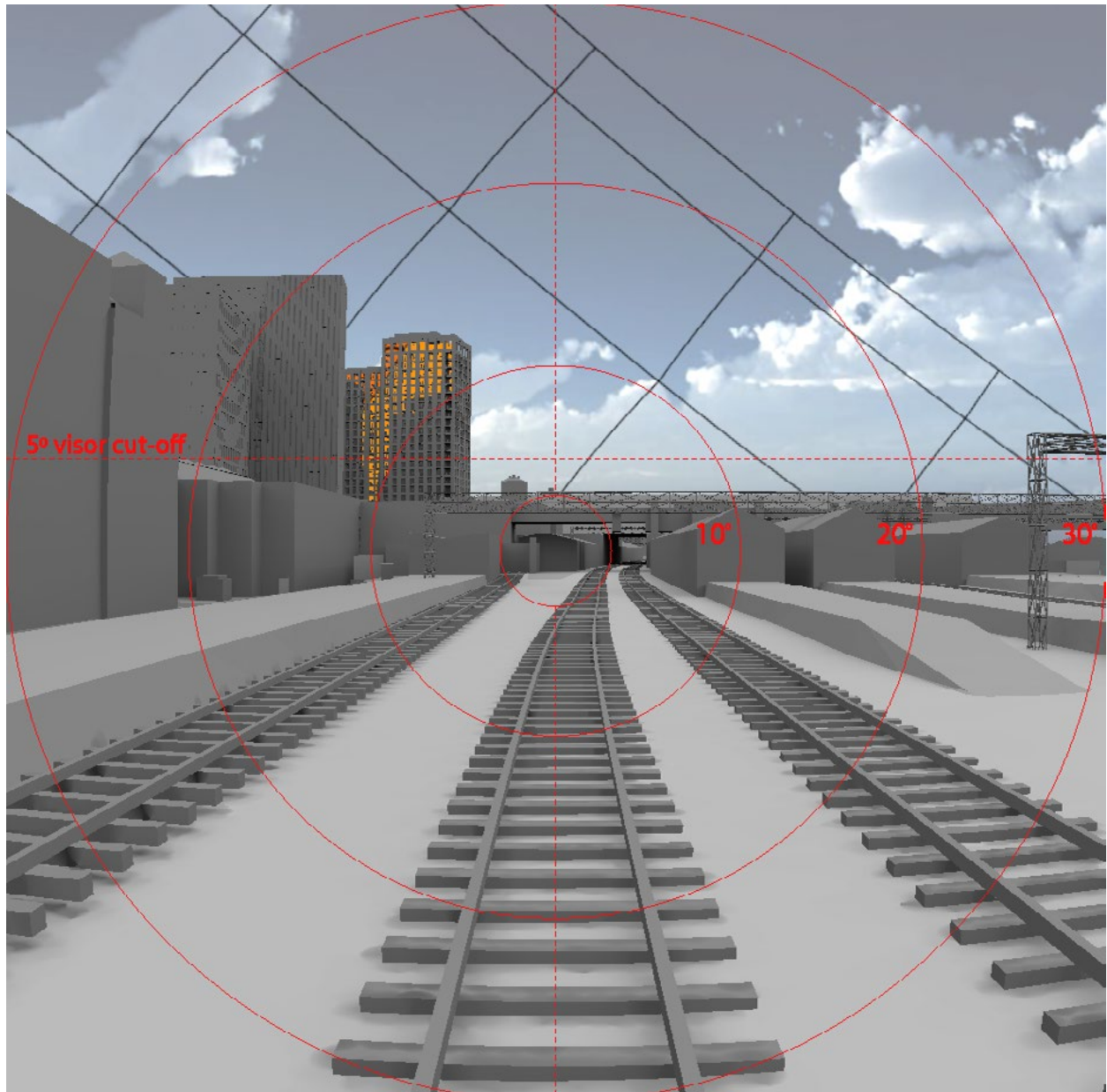
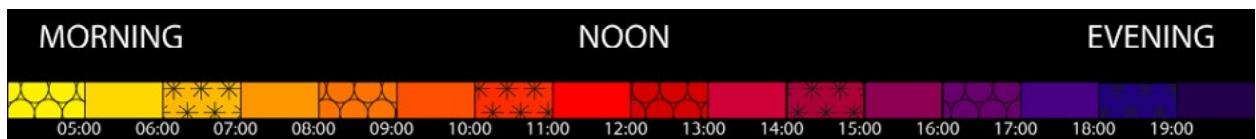


Fig. 16: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W8
WITHOUT PLOT C

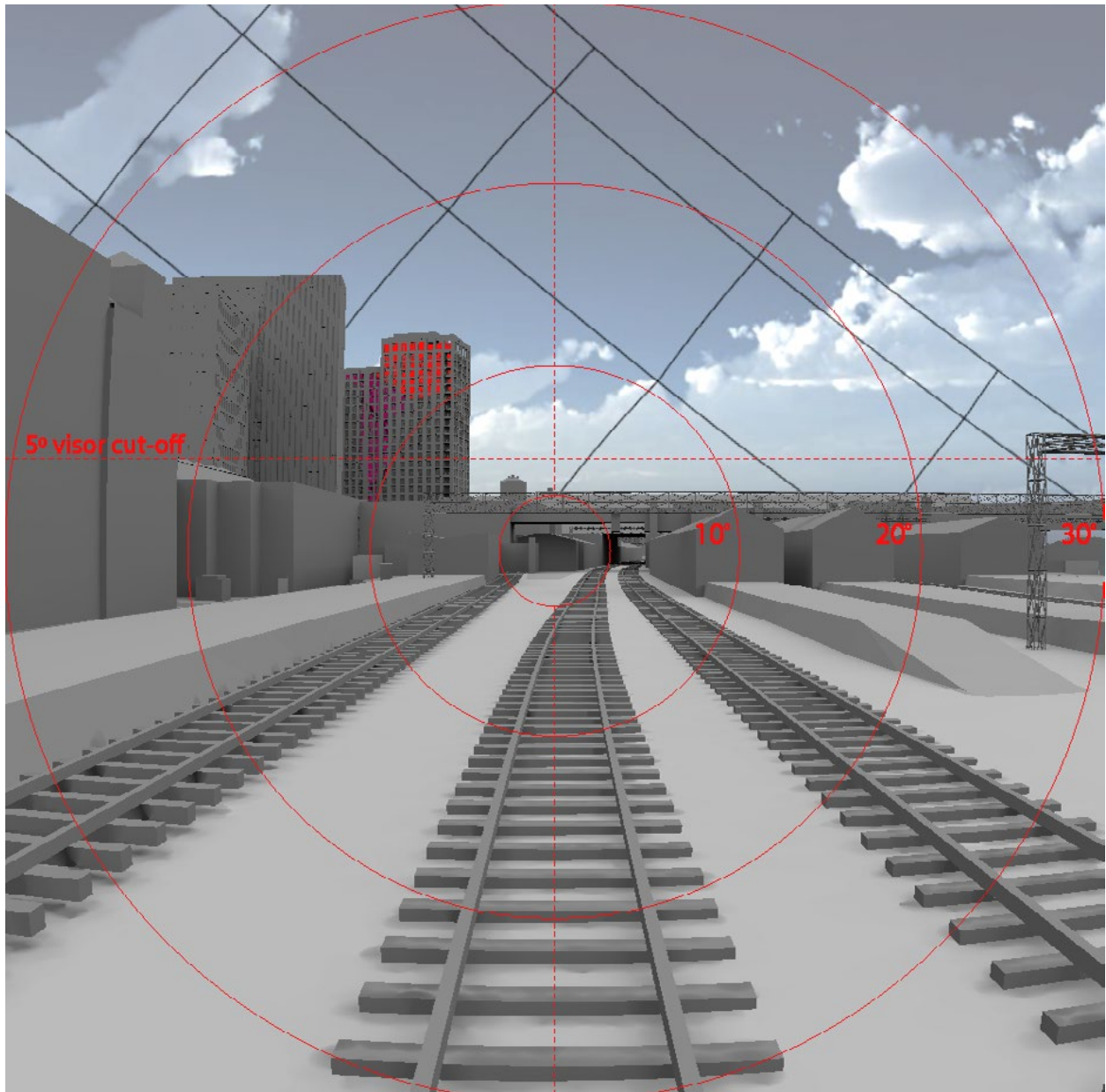


Fig. 17: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W9
WITHOUT PLOT C

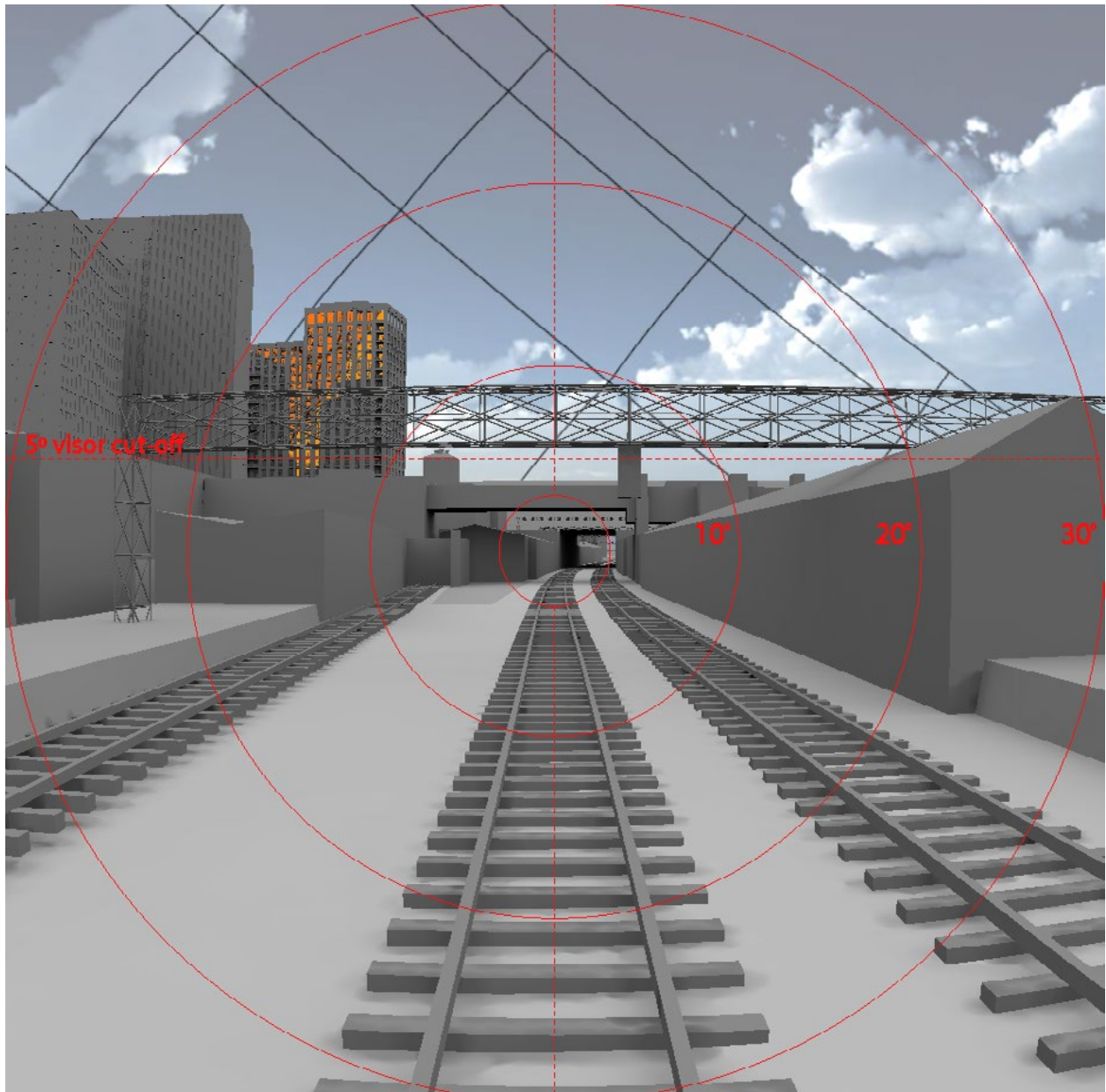
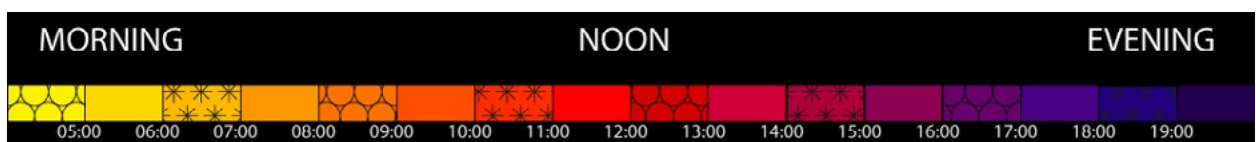


Fig. 18: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W9
WITHOUT PLOT C

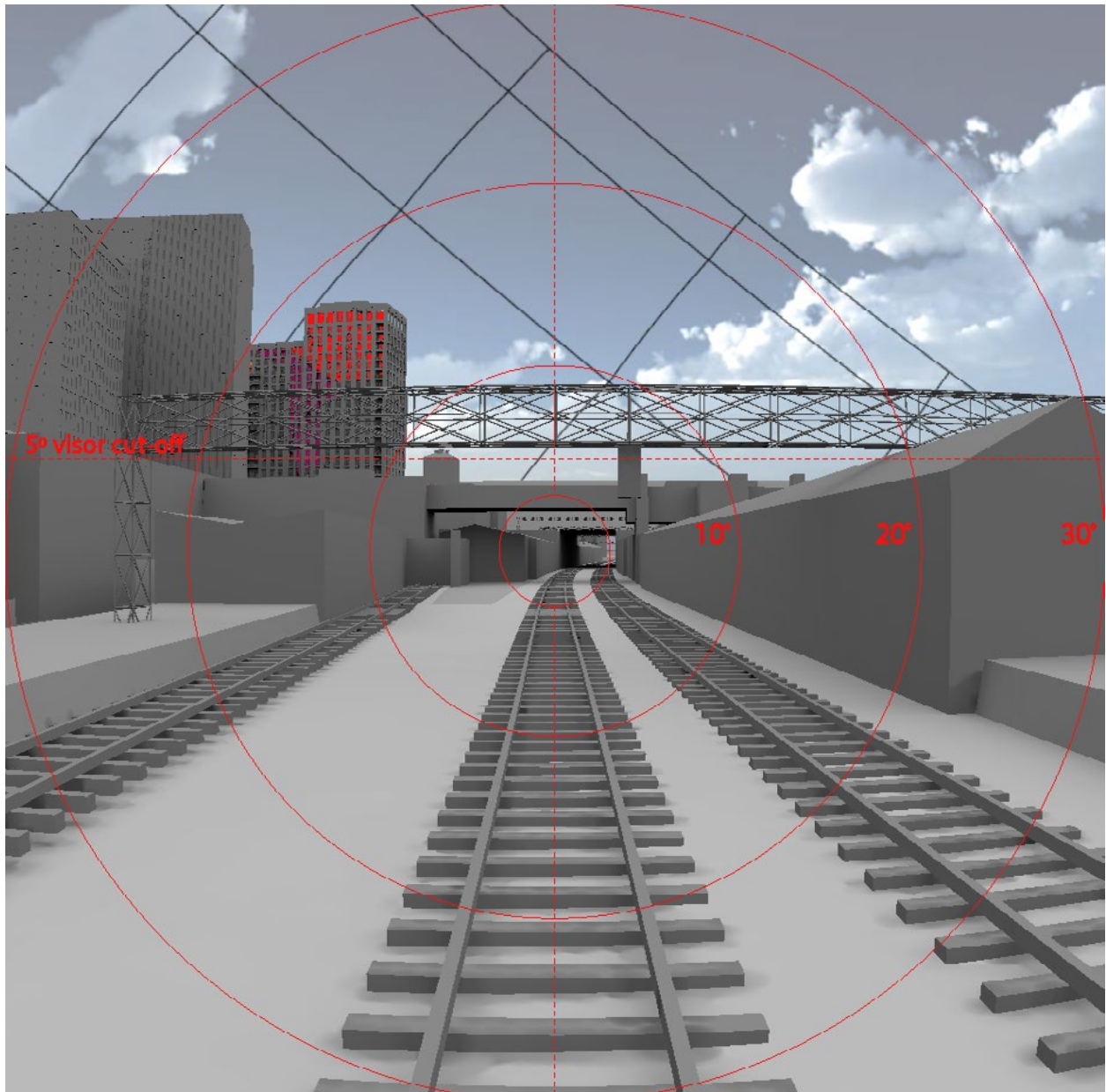


Fig. 19: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W10
WITHOUT PLOT C

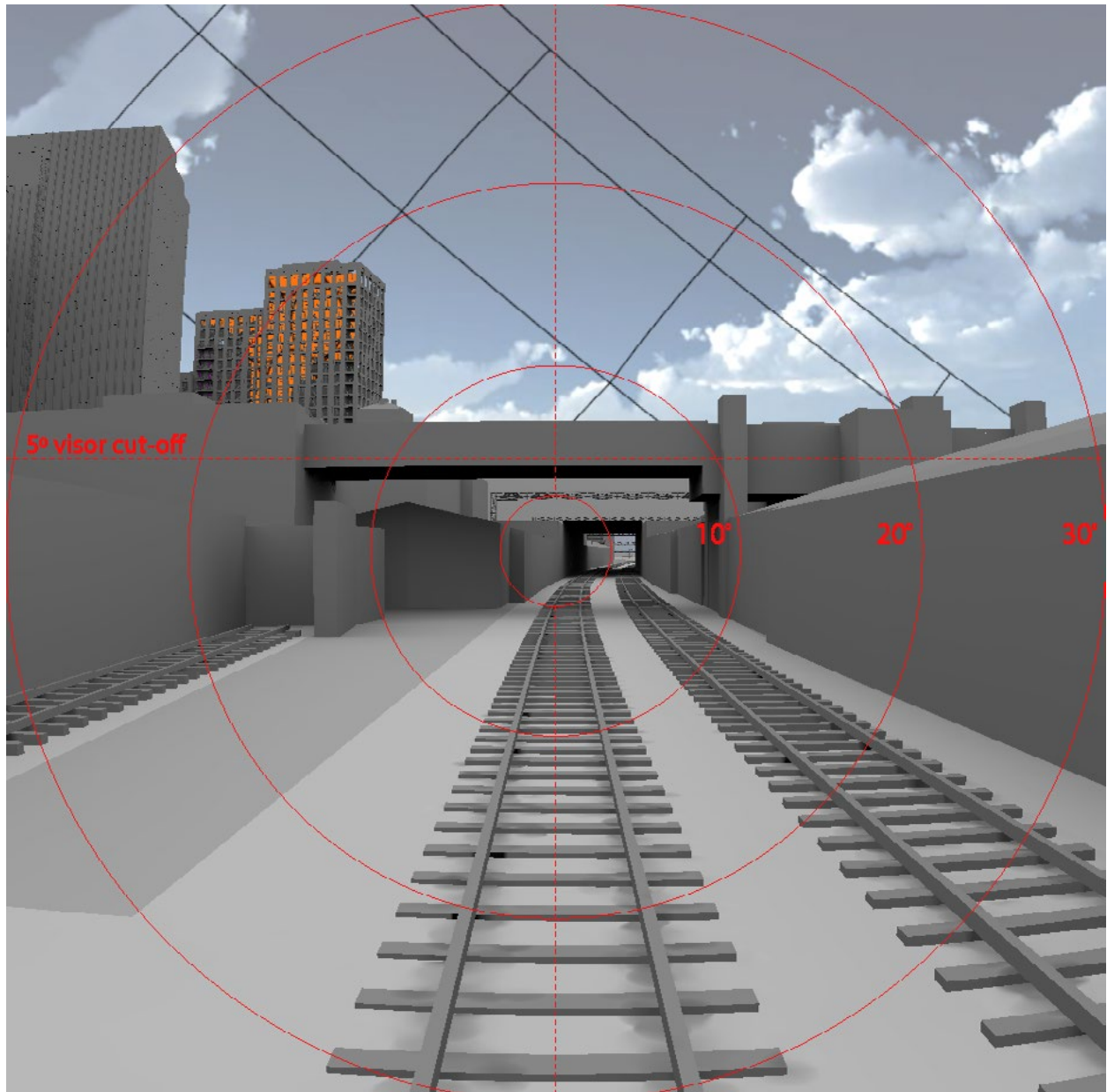
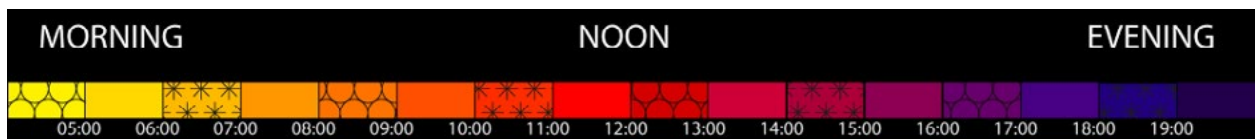


Fig. 20: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W10
WITHOUT PLOT C

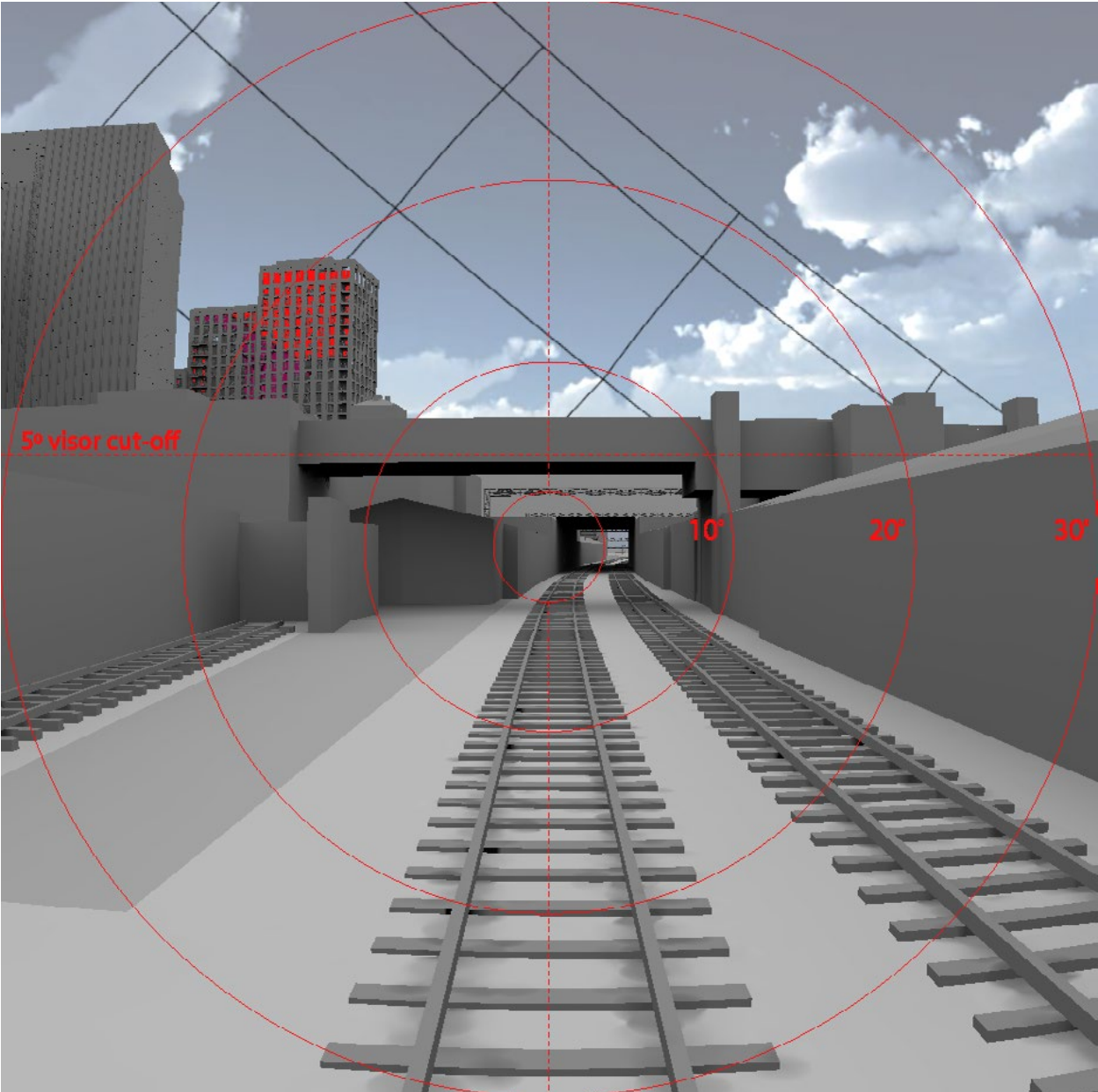


Fig. 21: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W11
WITHOUT PLOT C

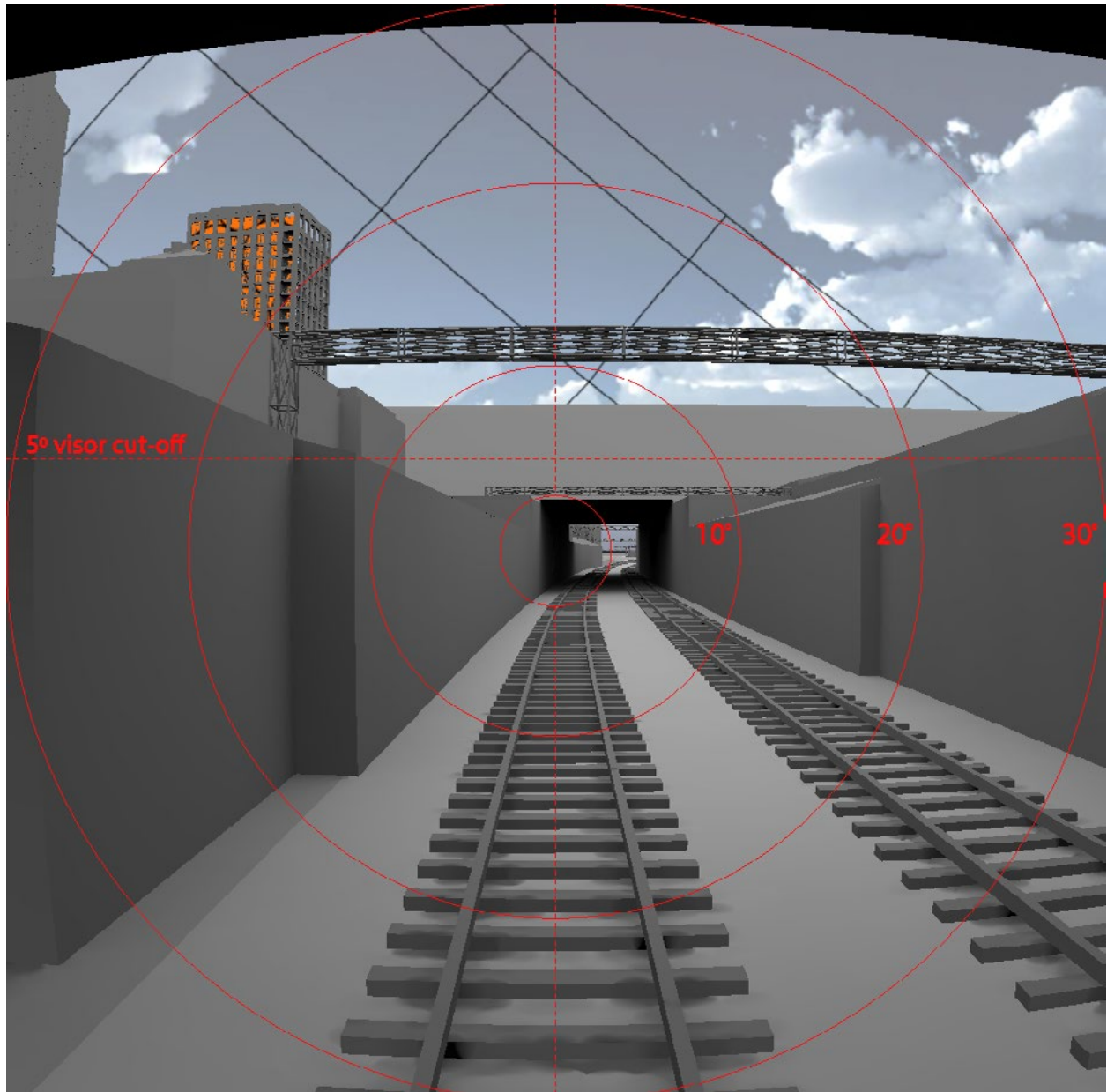
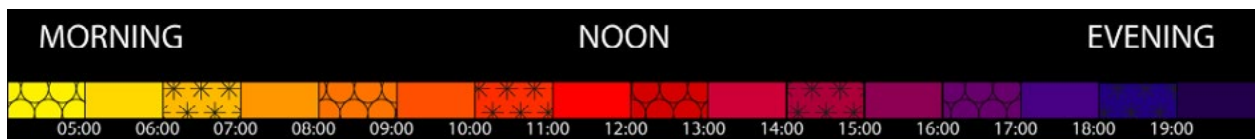


Fig. 22: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W11
WITHOUT PLOT C

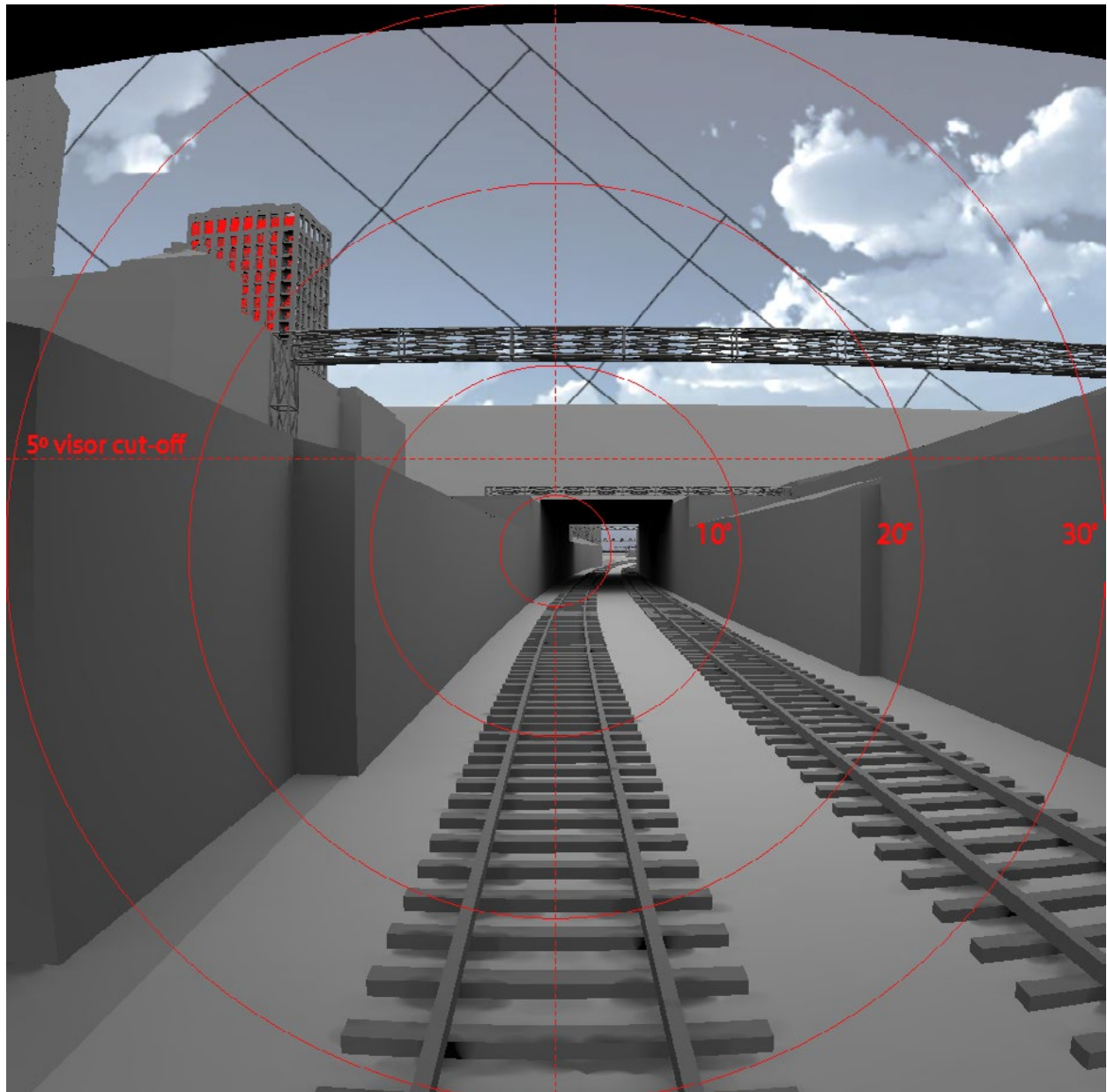


Fig. 23: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W1
WITH PLOT C

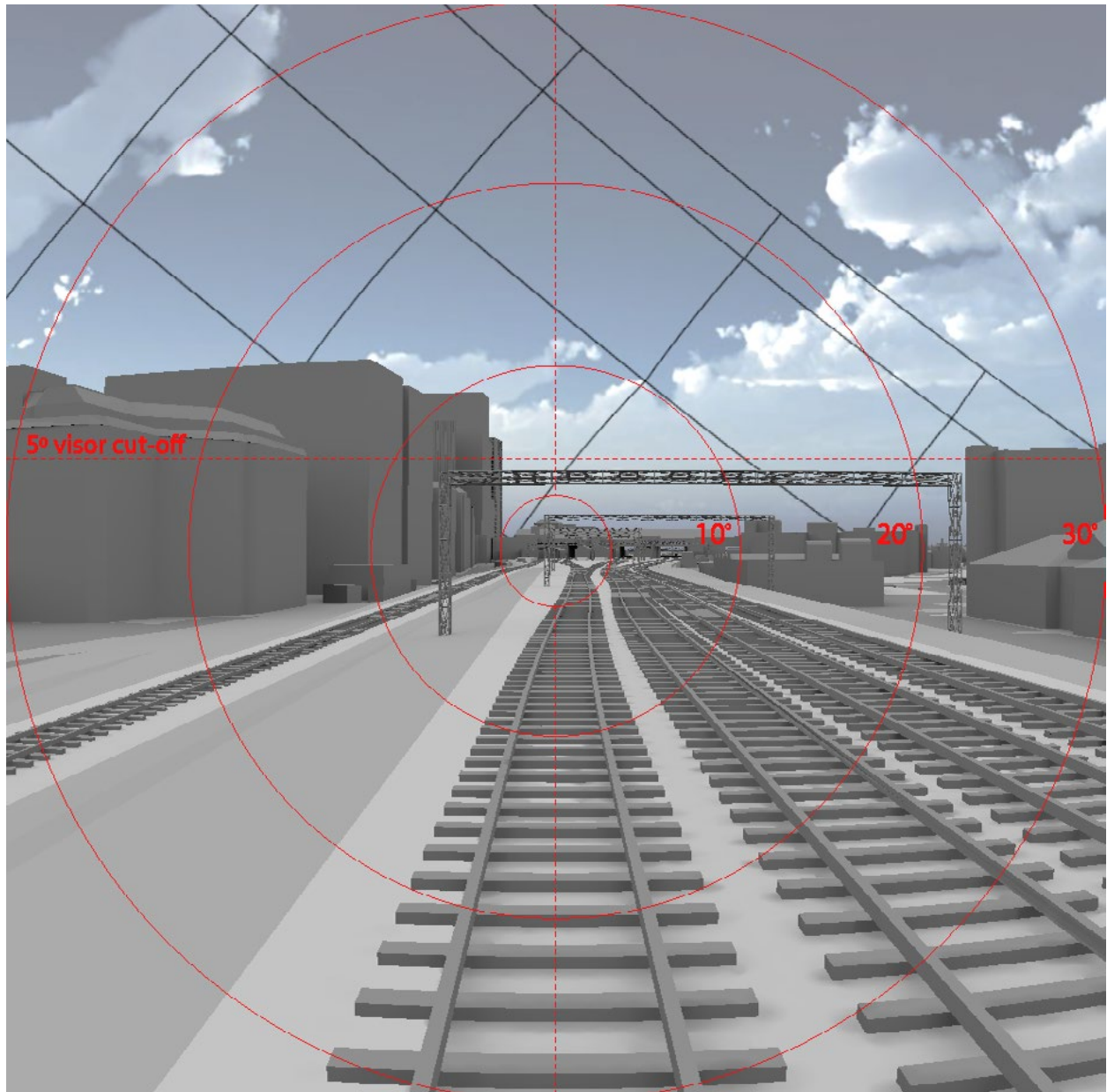
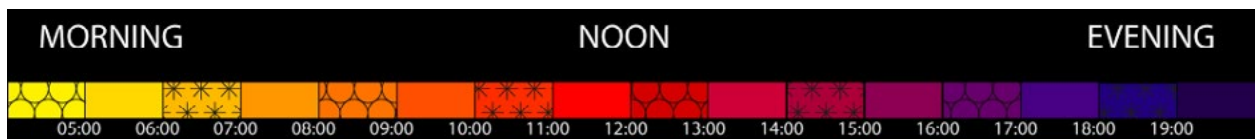


Fig. 24: Solar reflections



60° FIELD OF VIEW: SEASON
 TRACK 7 WEST - VIEWPOINT W1
 WITH PLOT C

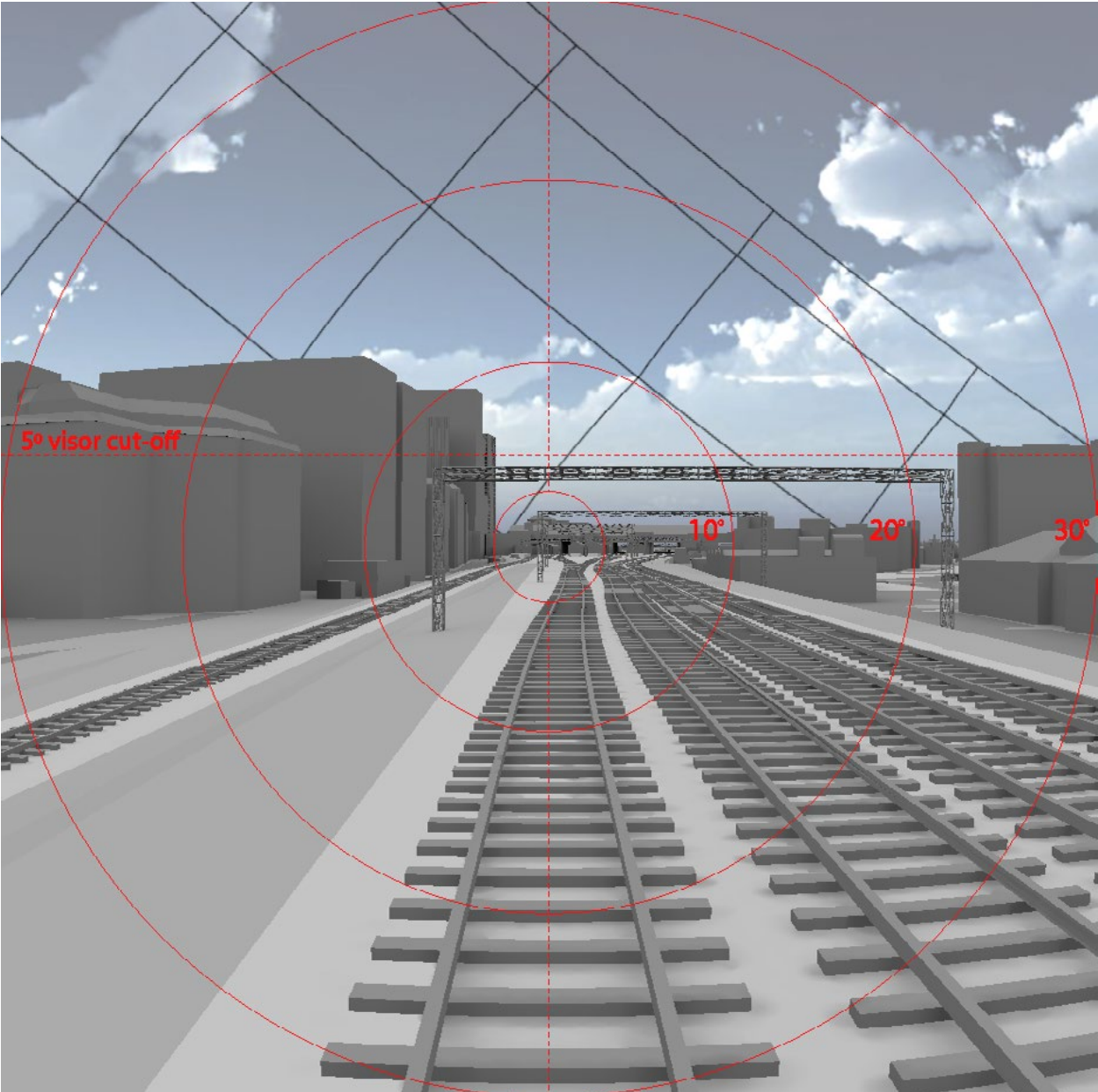


Fig. 25: Solar reflections



**60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W2
WITH PLOT C**

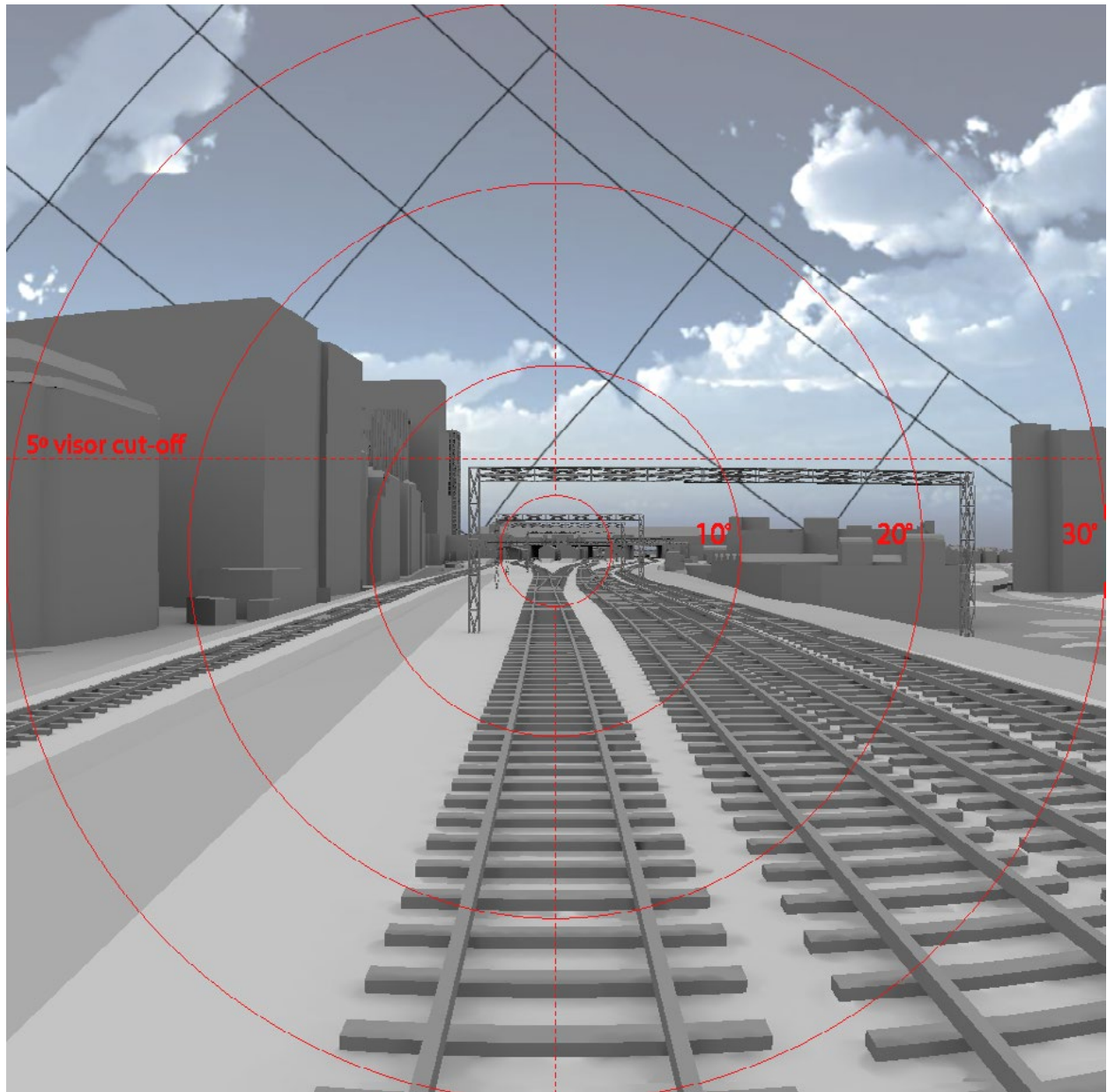
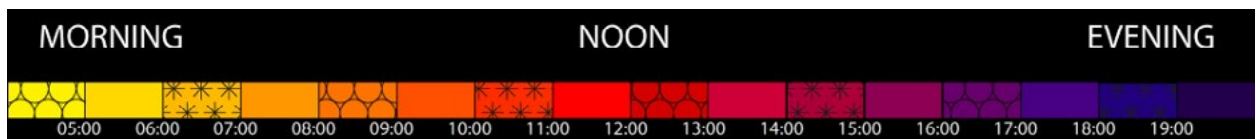


Fig. 26: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W2
WITH PLOT C

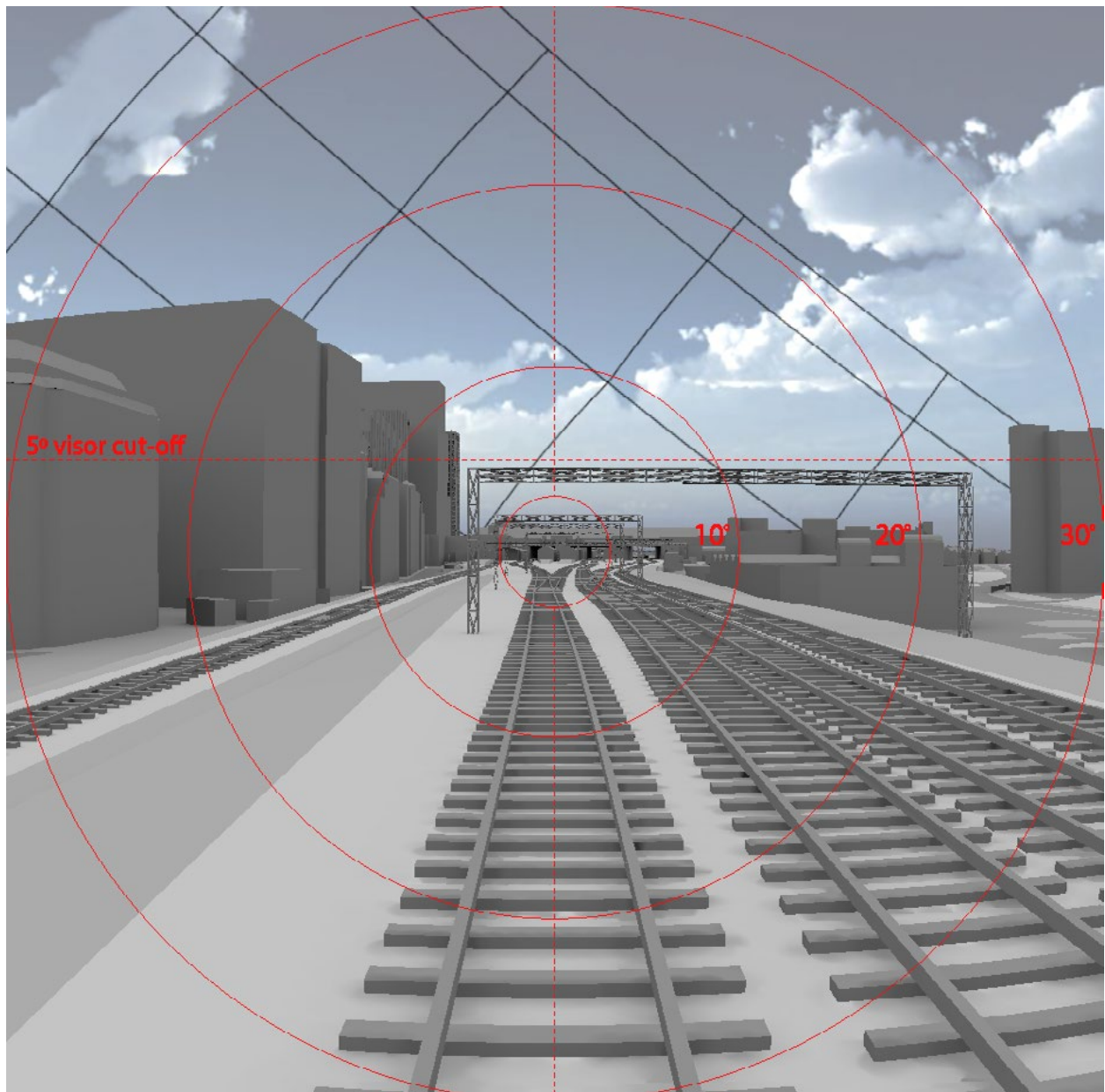


Fig. 27: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W3
WITH PLOT C

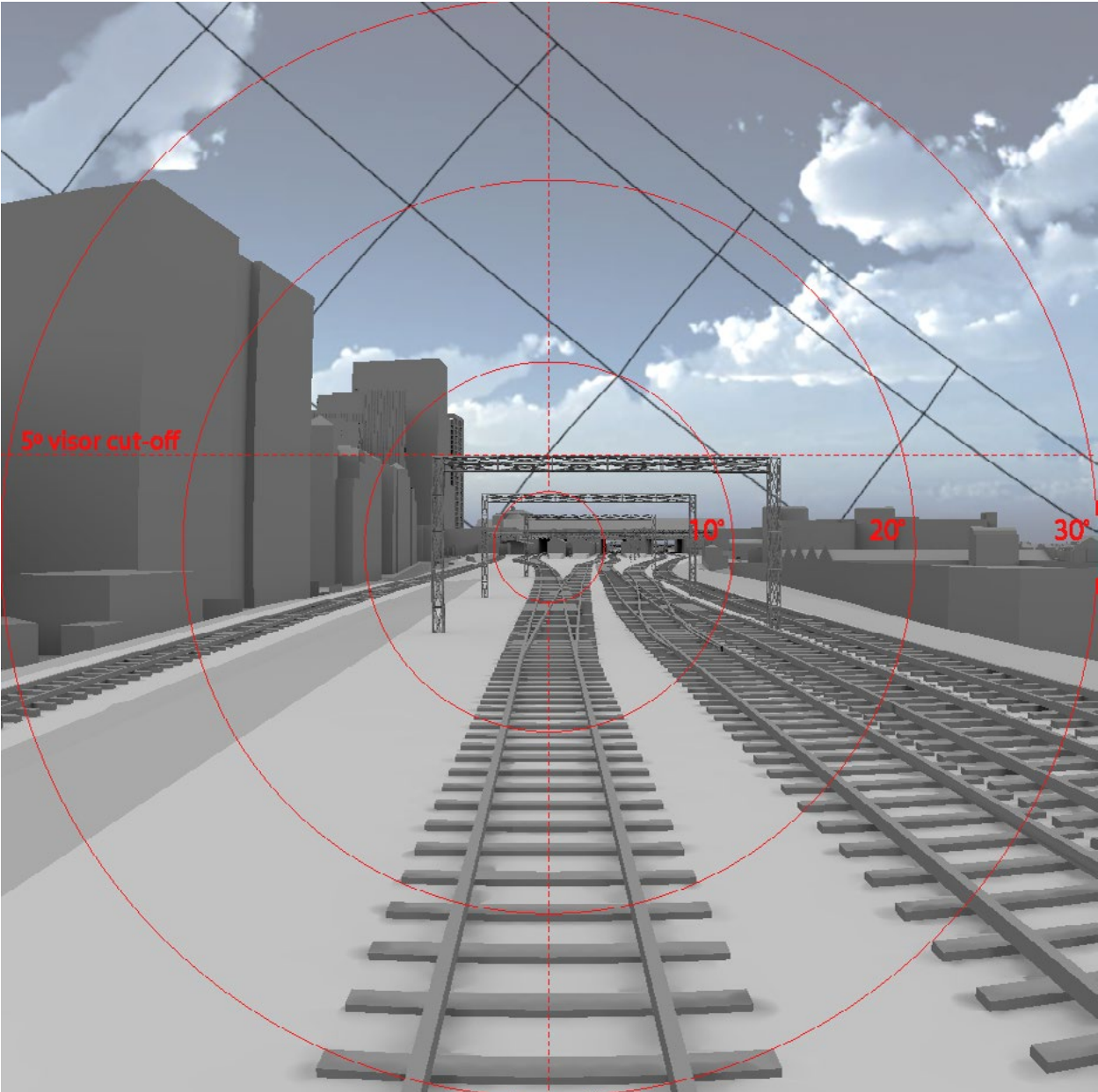
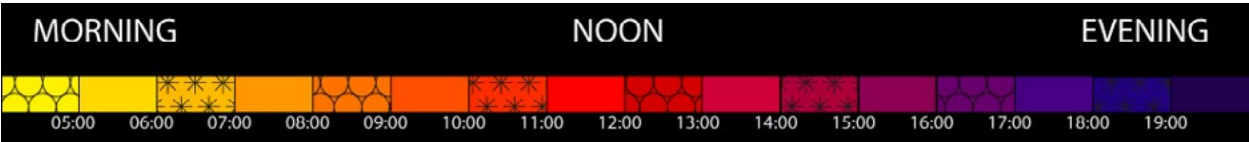


Fig. 28: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W3
WITH PLOT C

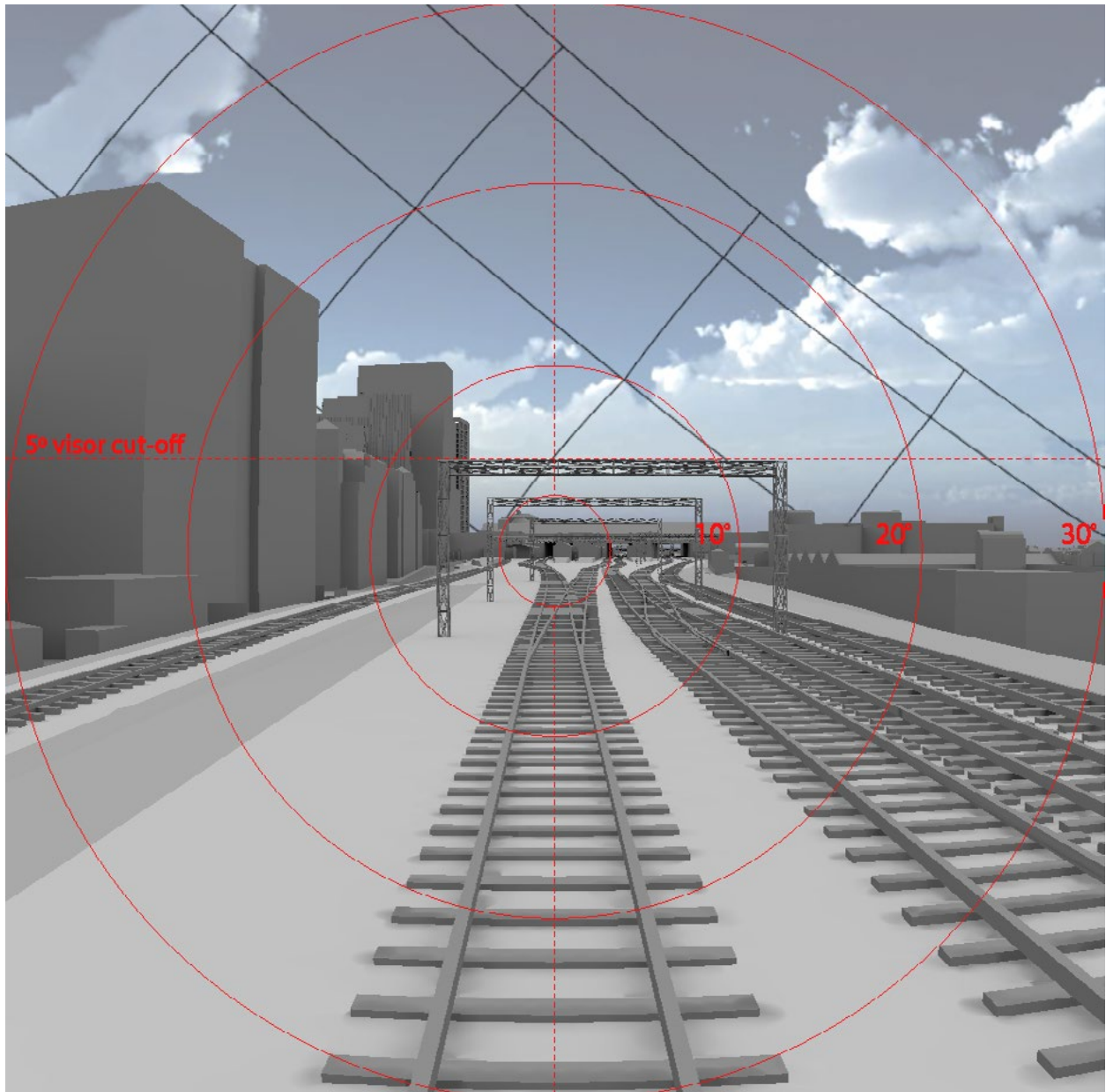


Fig. 29: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W4
WITH PLOT C

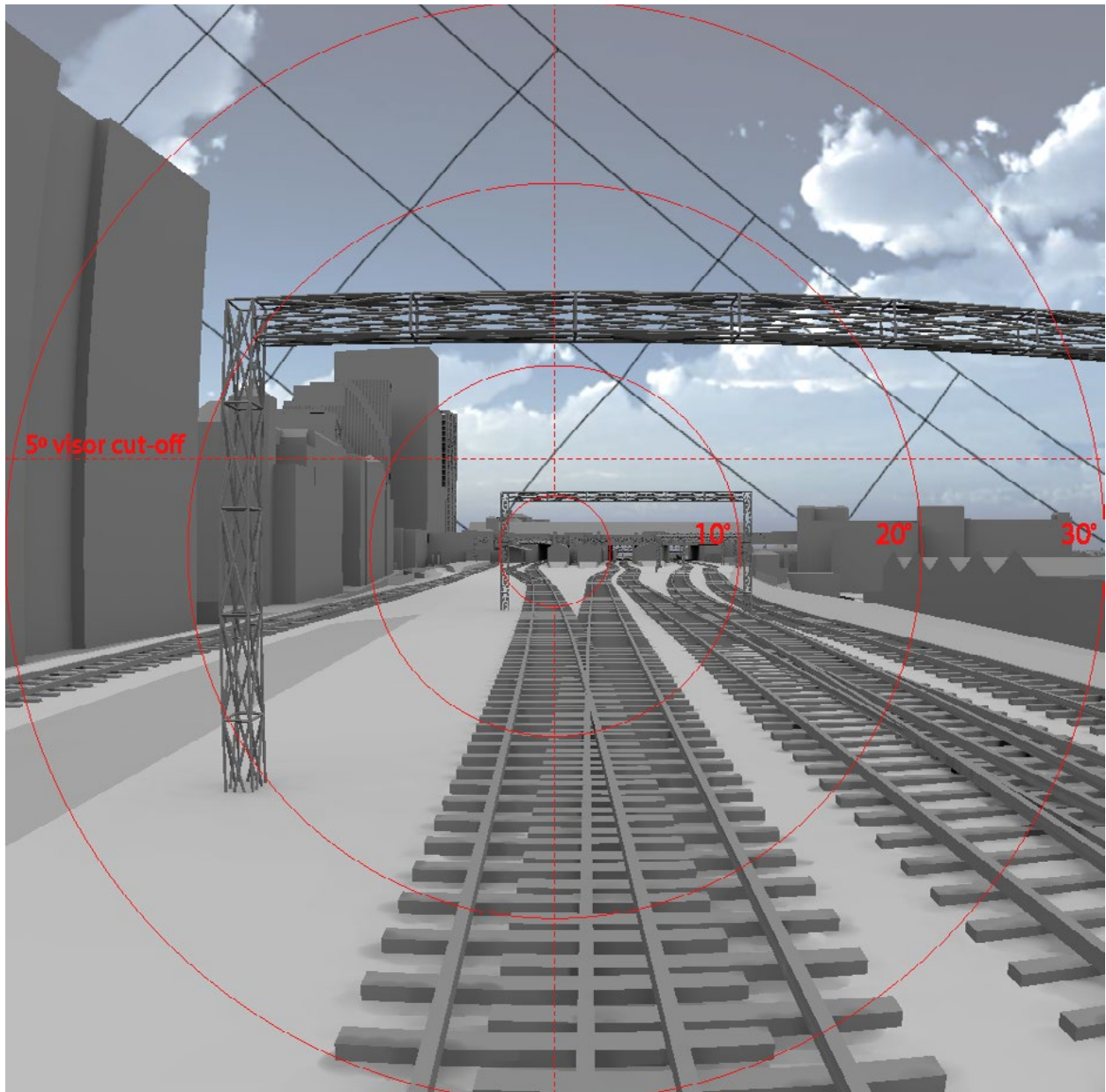
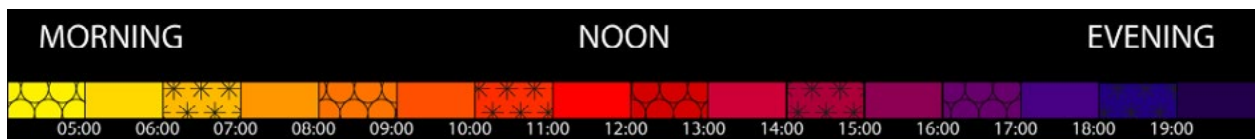


Fig. 30: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W4
WITH PLOT C

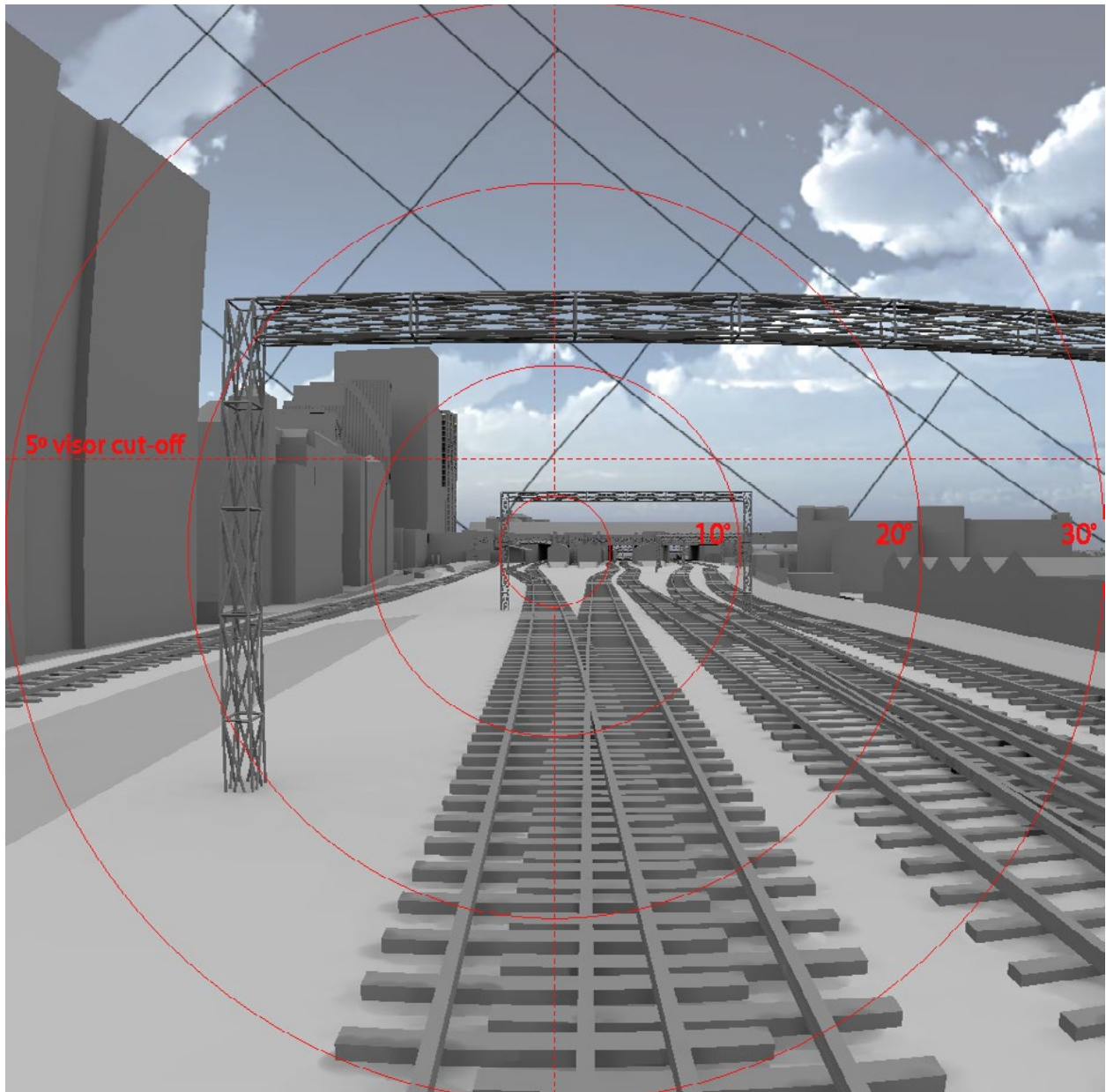


Fig. 31: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W5
WITH PLOT C

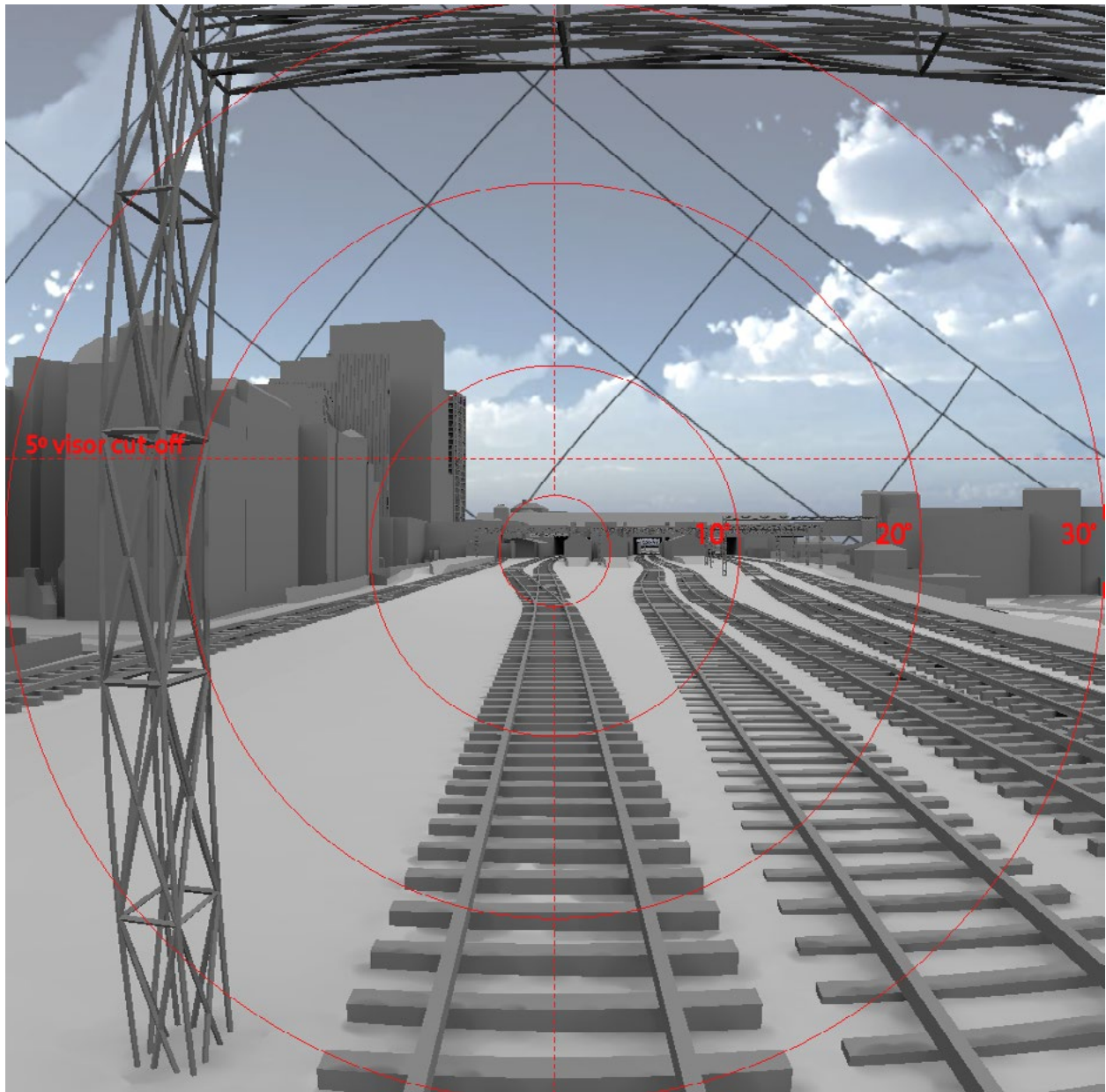
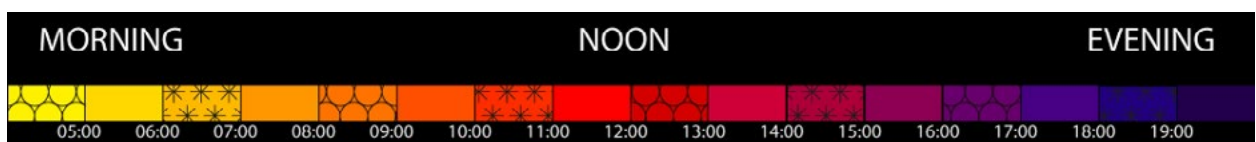


Fig. 32: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W5
WITH PLOT C

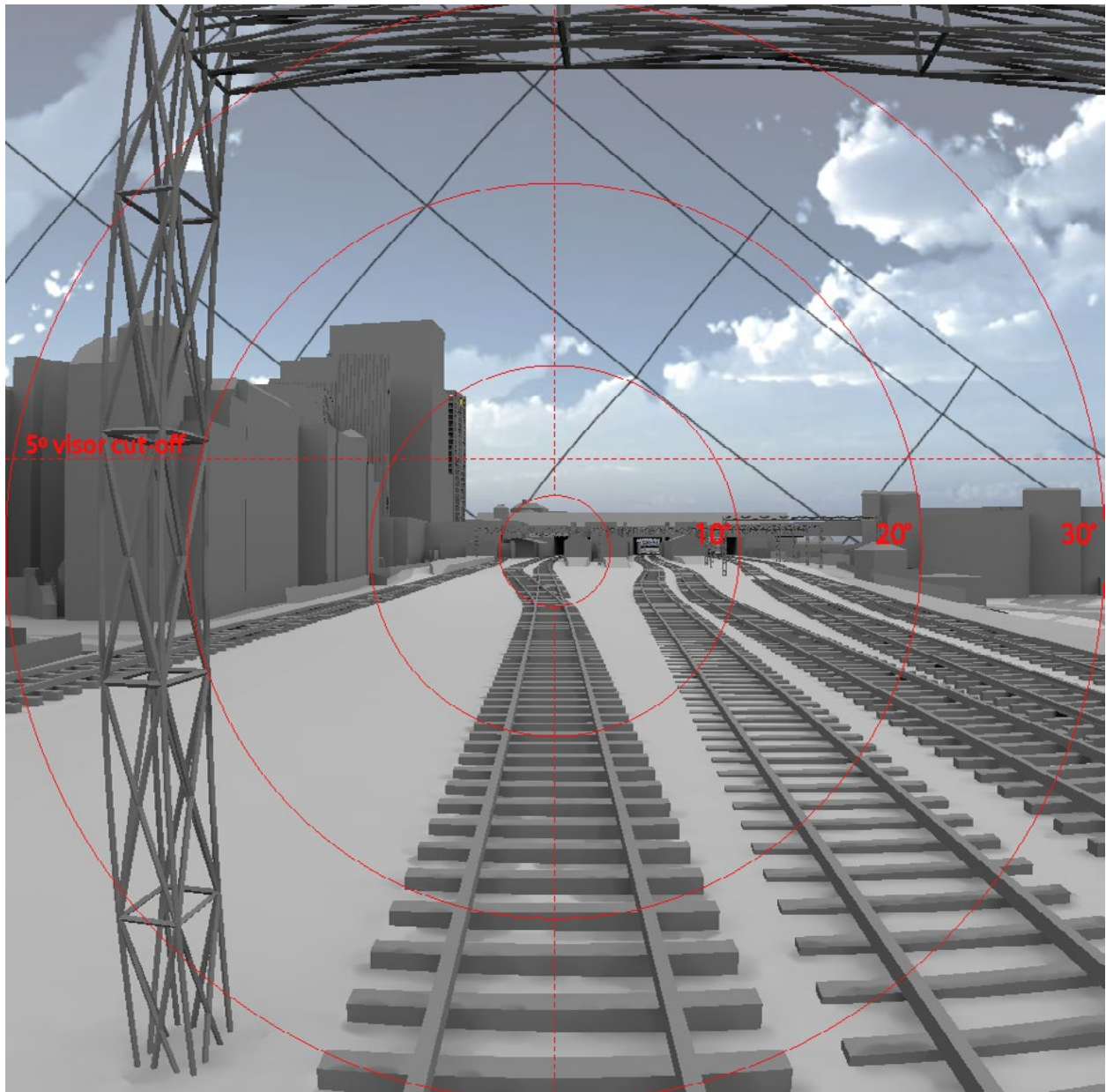


Fig. 33: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W6
WITH PLOT C

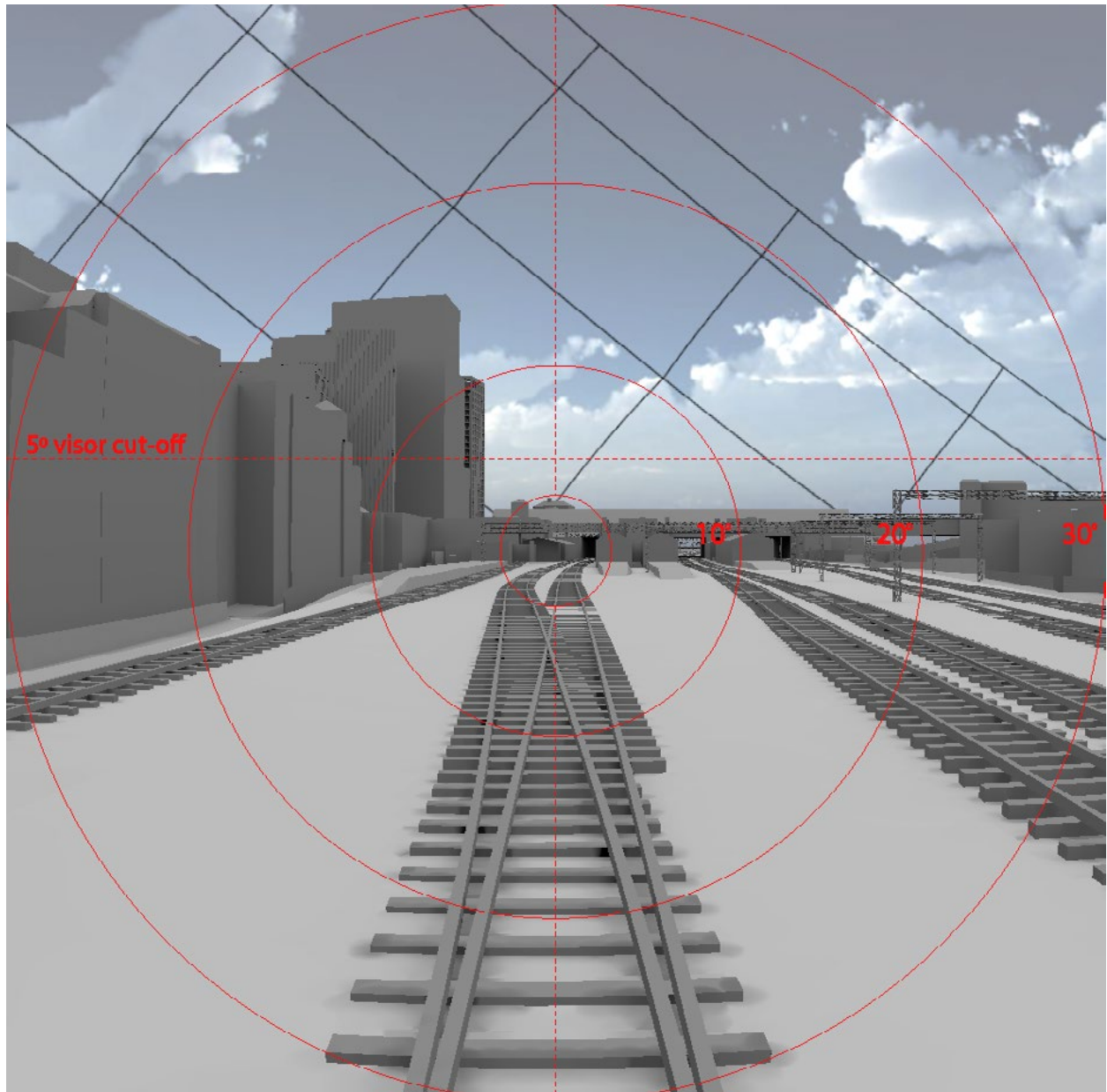
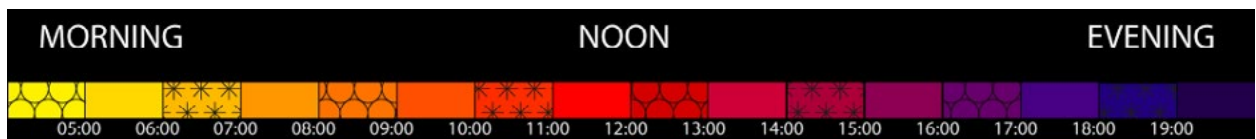


Fig. 34: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W6
WITH PLOT C

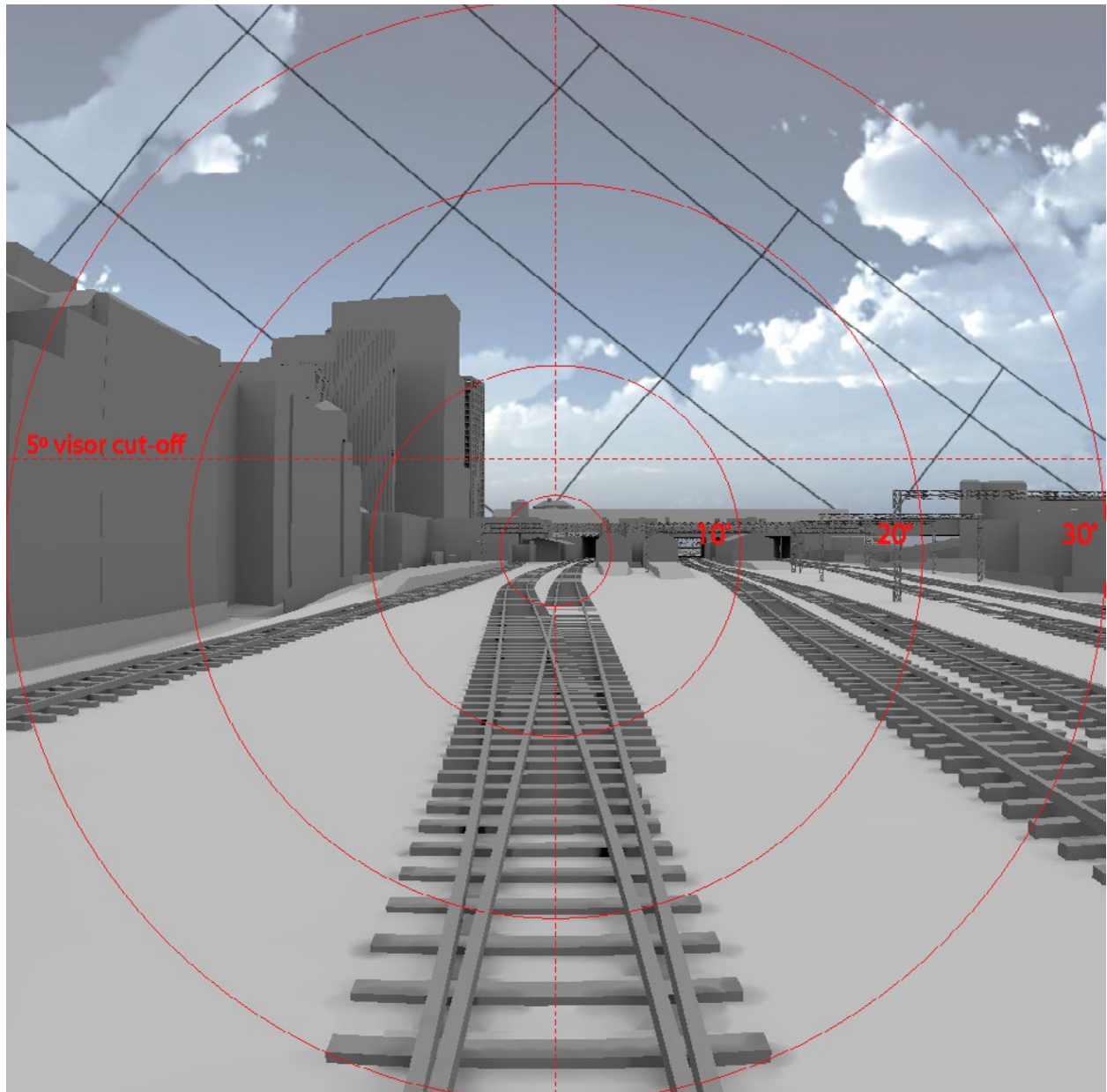


Fig. 35: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W7
WITH PLOT C

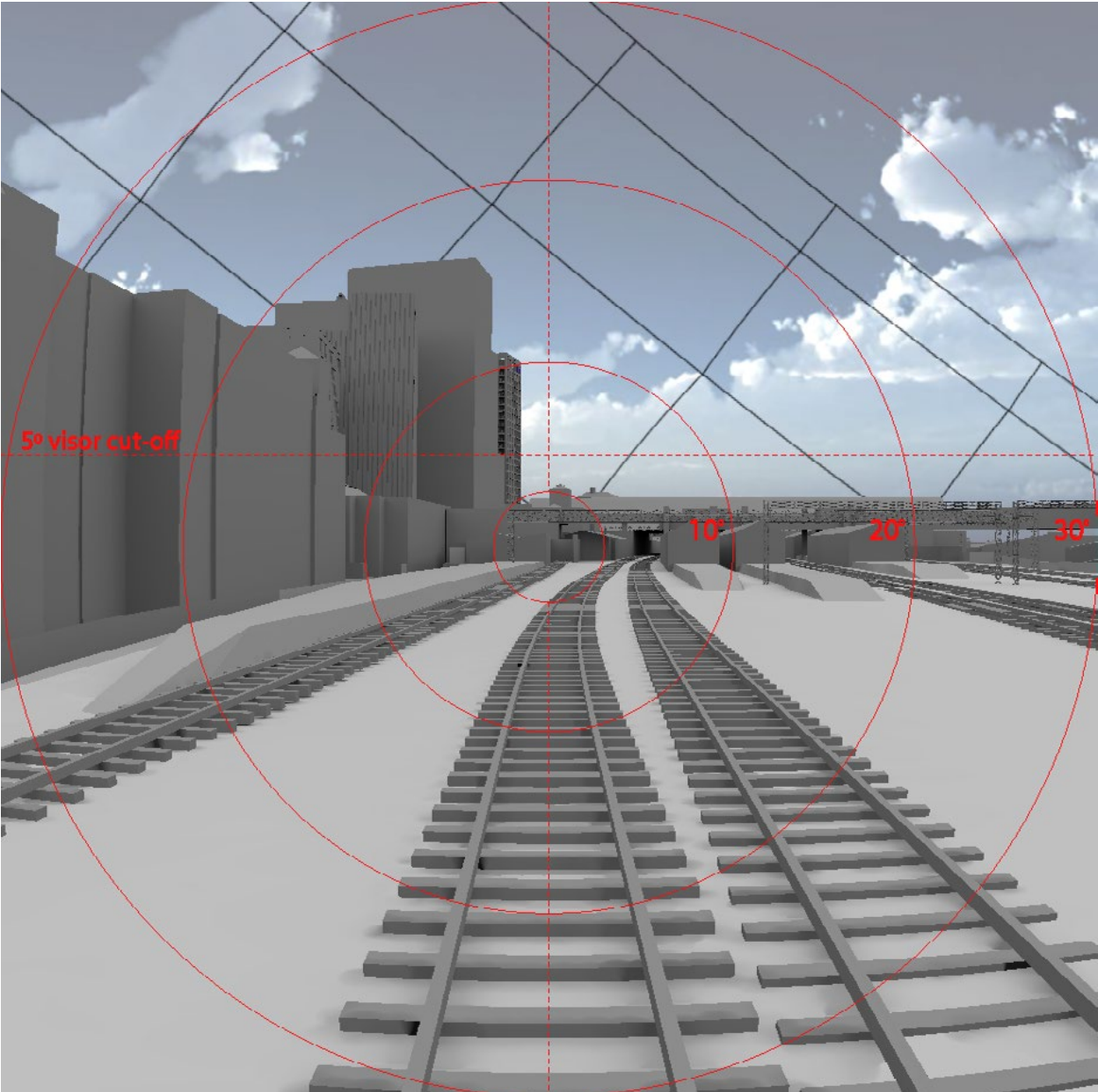
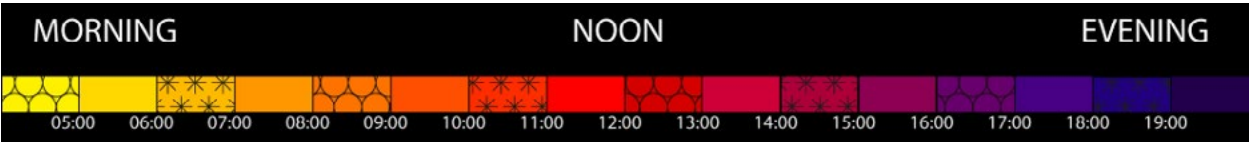


Fig. 36: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W7
WITH PLOT C

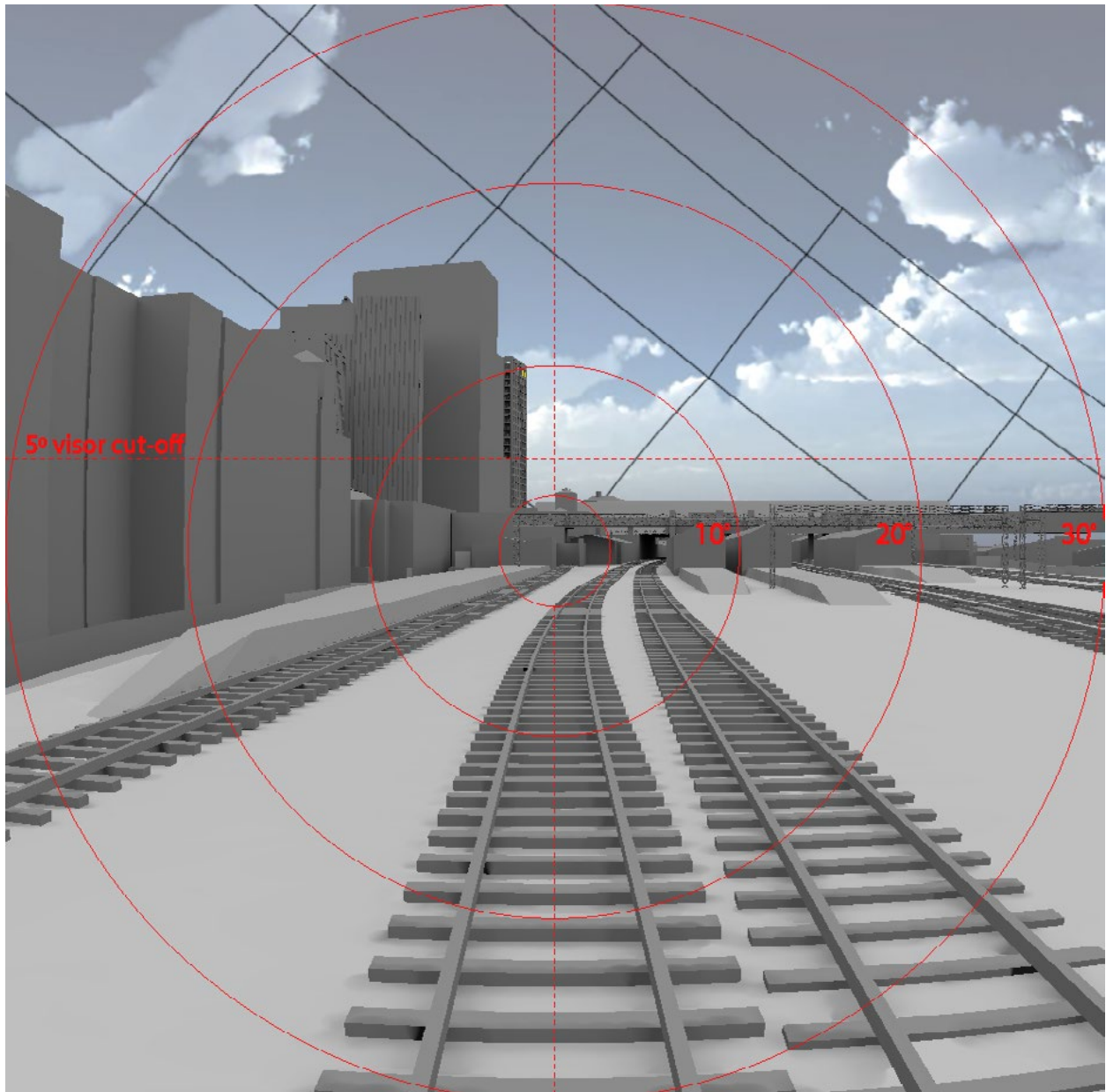


Fig. 37: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
 TRACK 7 WEST - VIEWPOINT W8
 WITH PLOT C

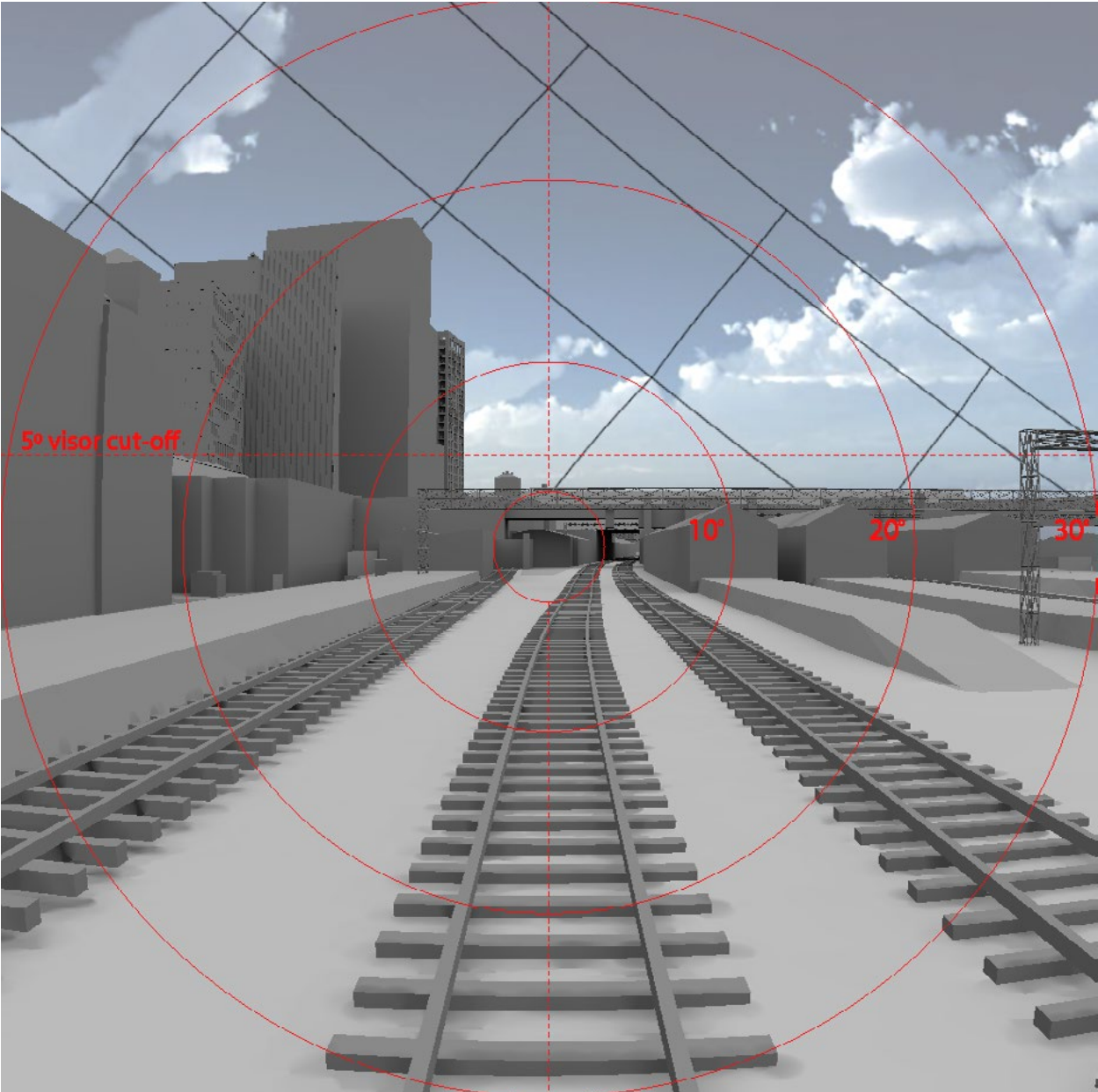
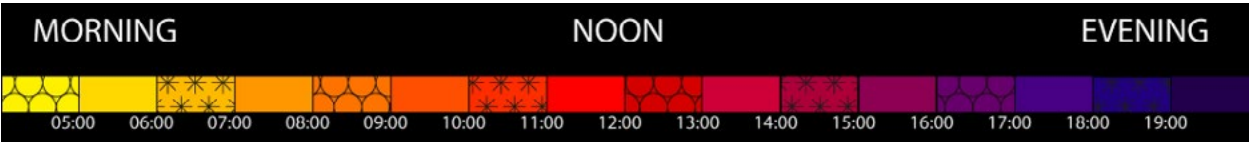


Fig. 38: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W8
WITH PLOT C

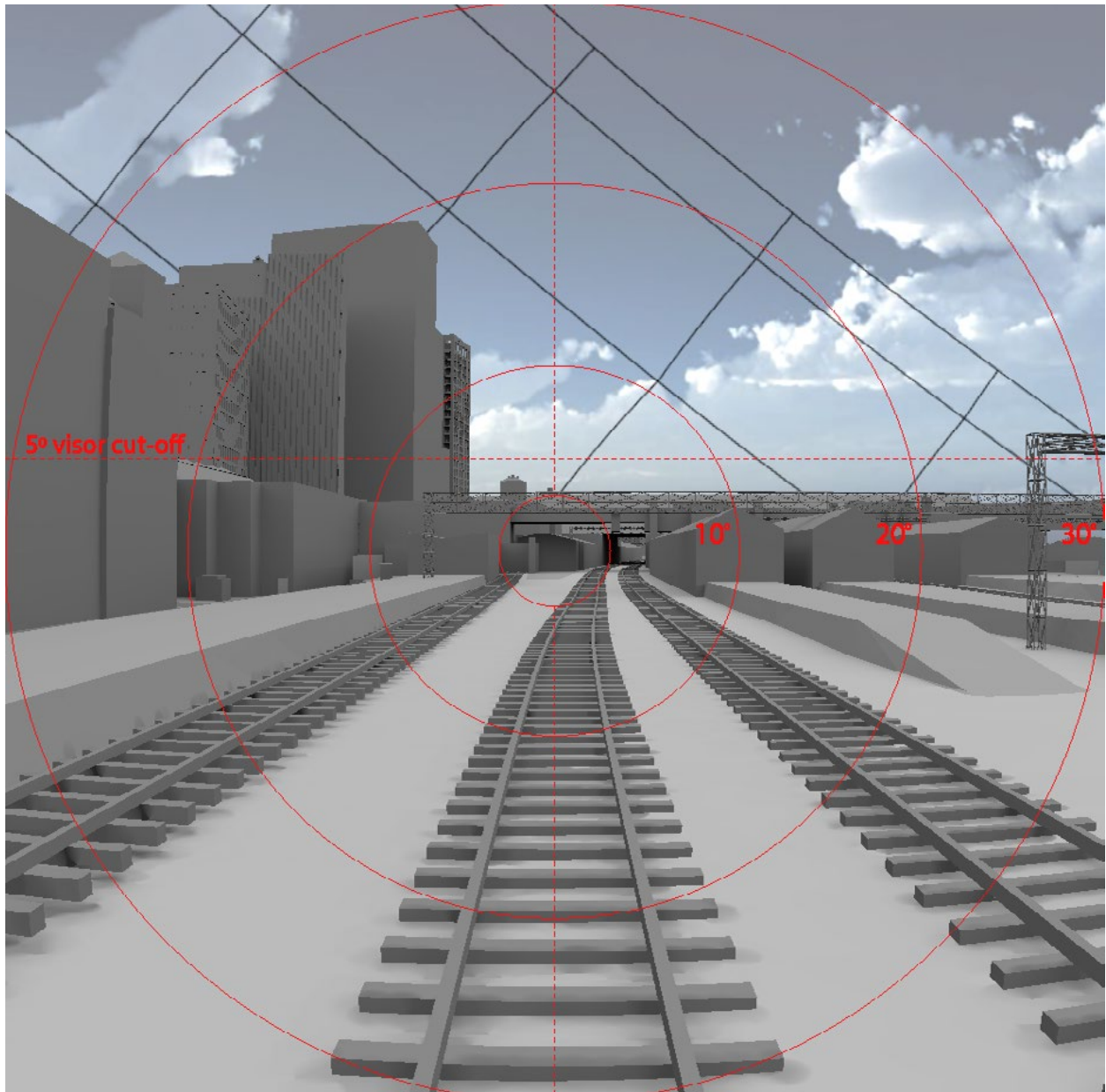


Fig. 39: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W9
WITH PLOT C

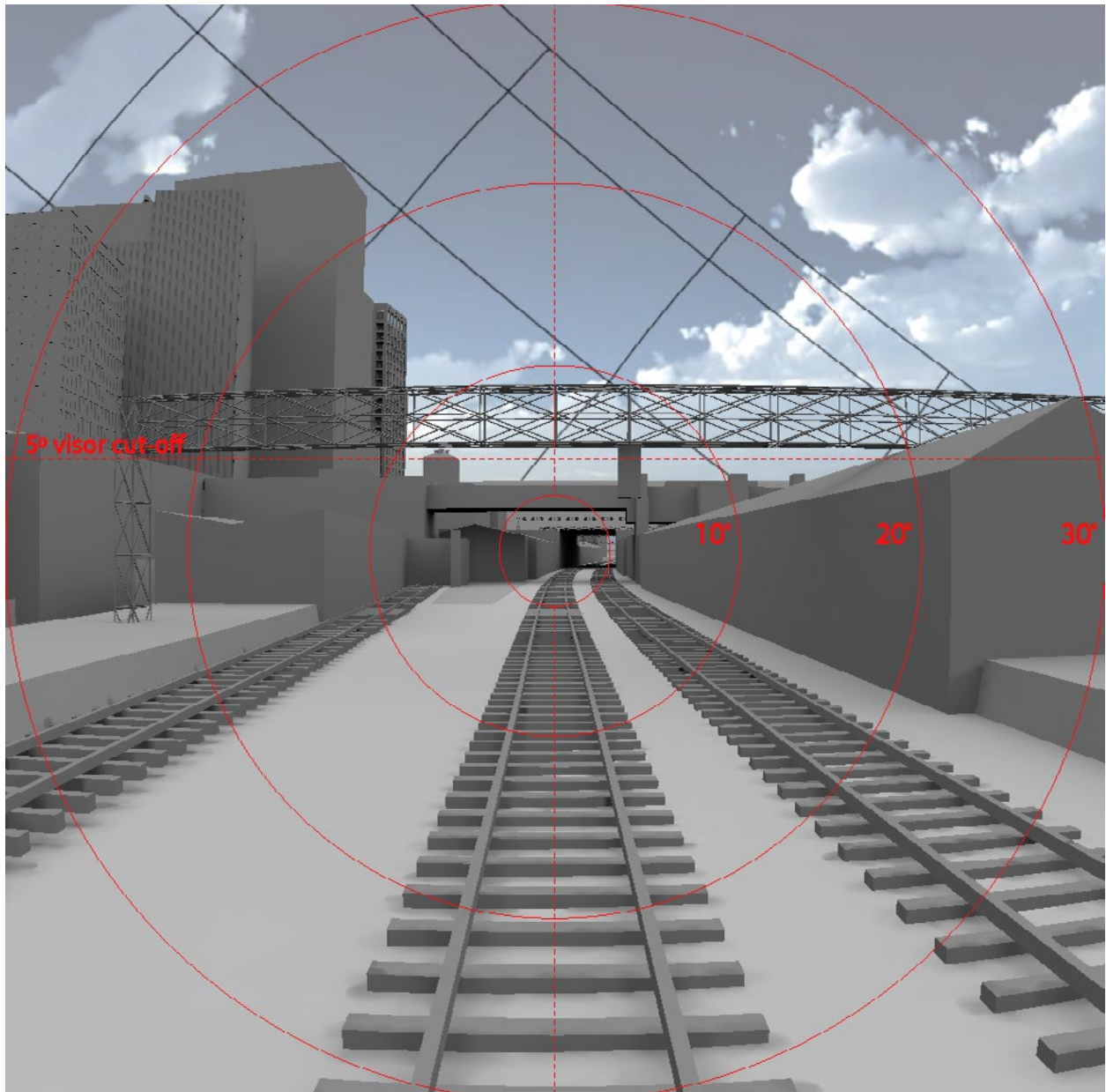
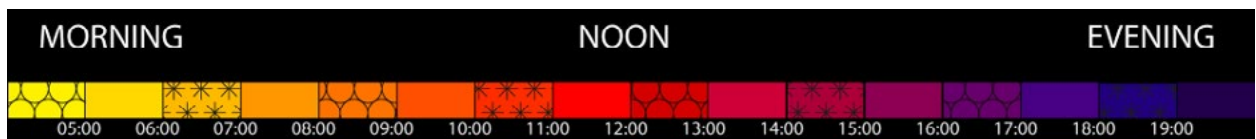


Fig. 40: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W9
WITH PLOT C

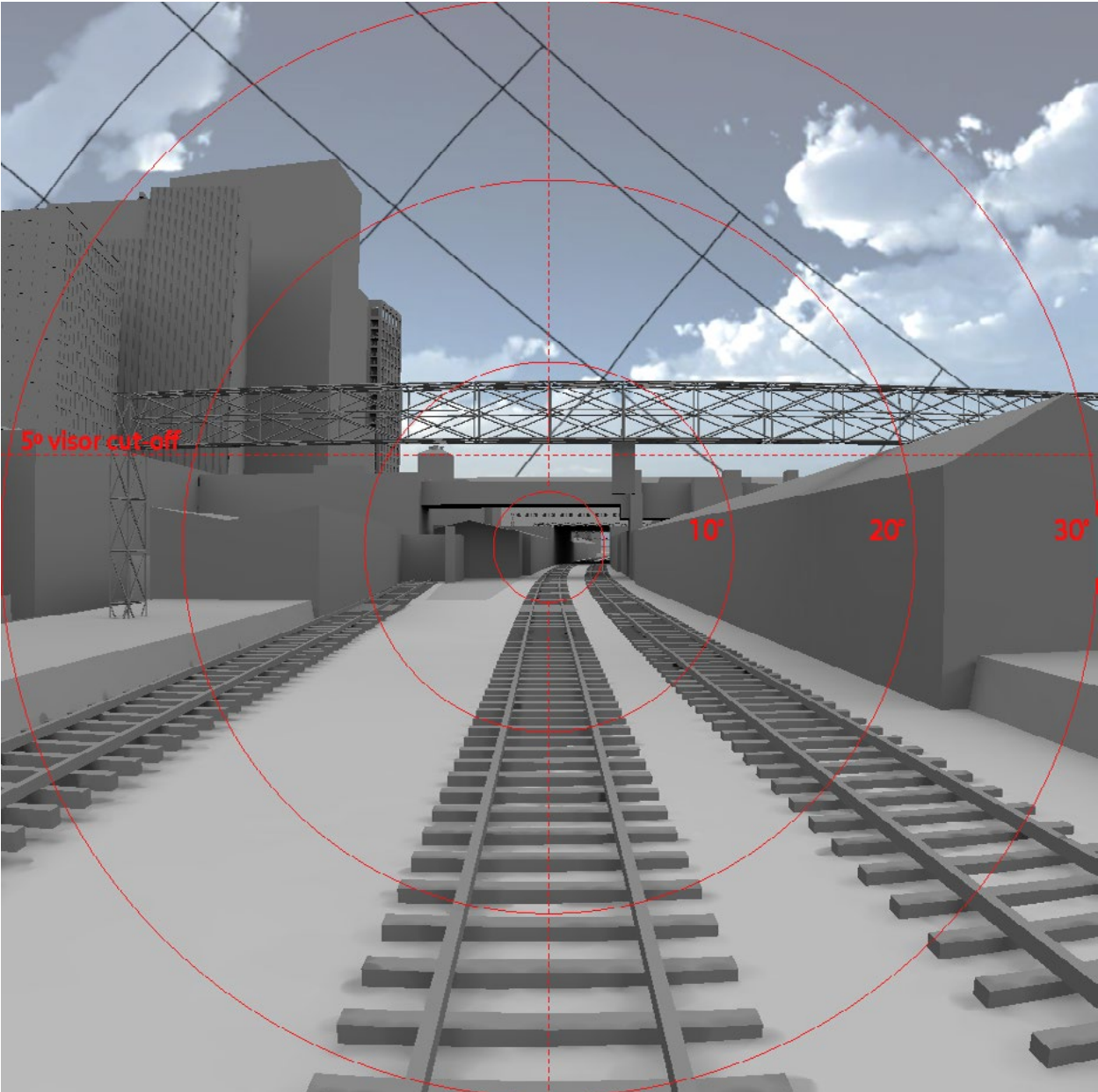


Fig. 41: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W10
WITH PLOT C

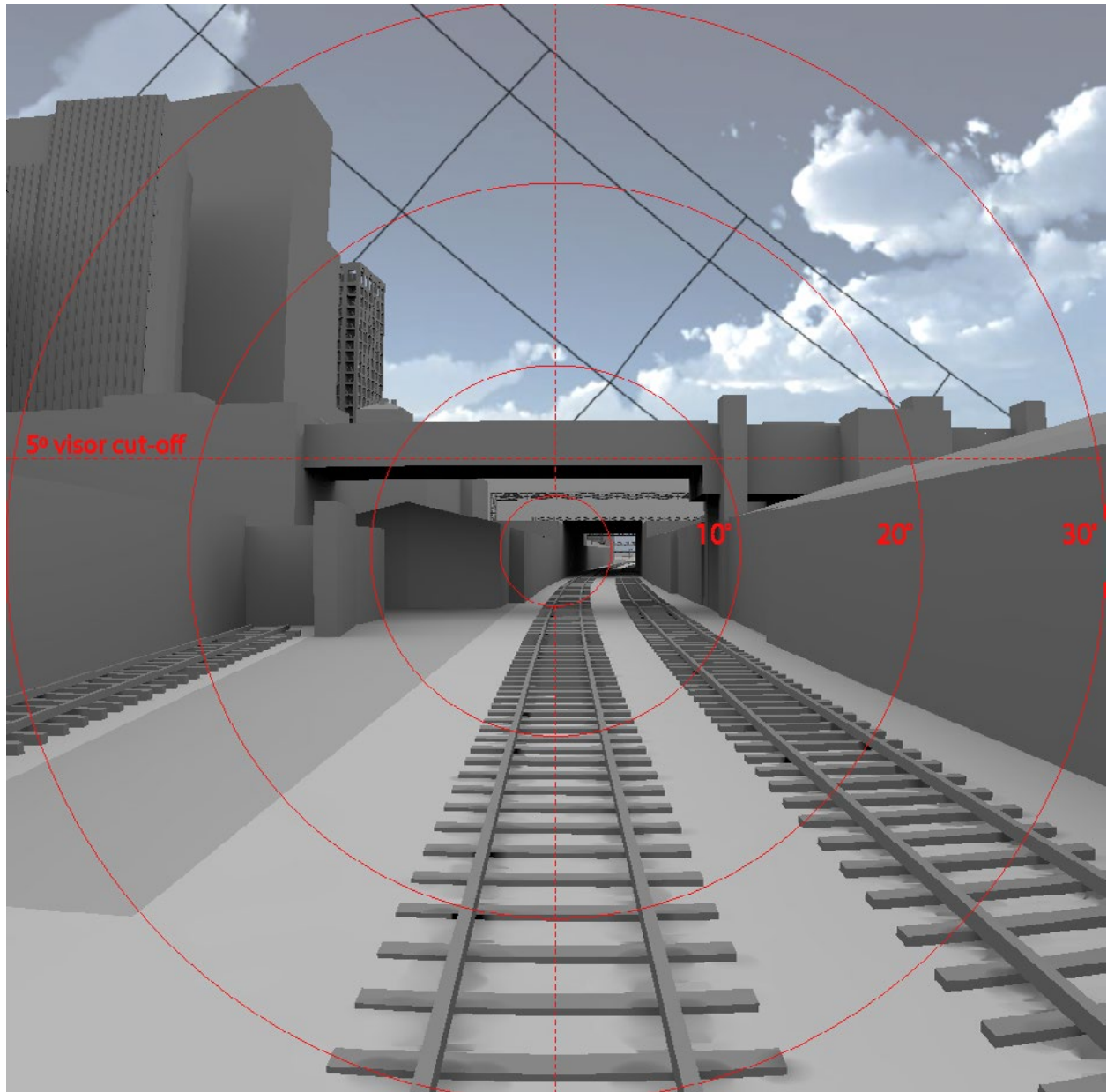
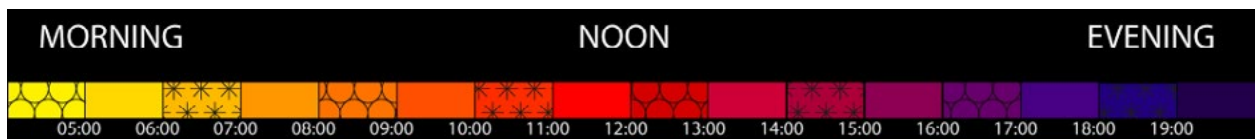


Fig. 42: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W10
WITH PLOT C

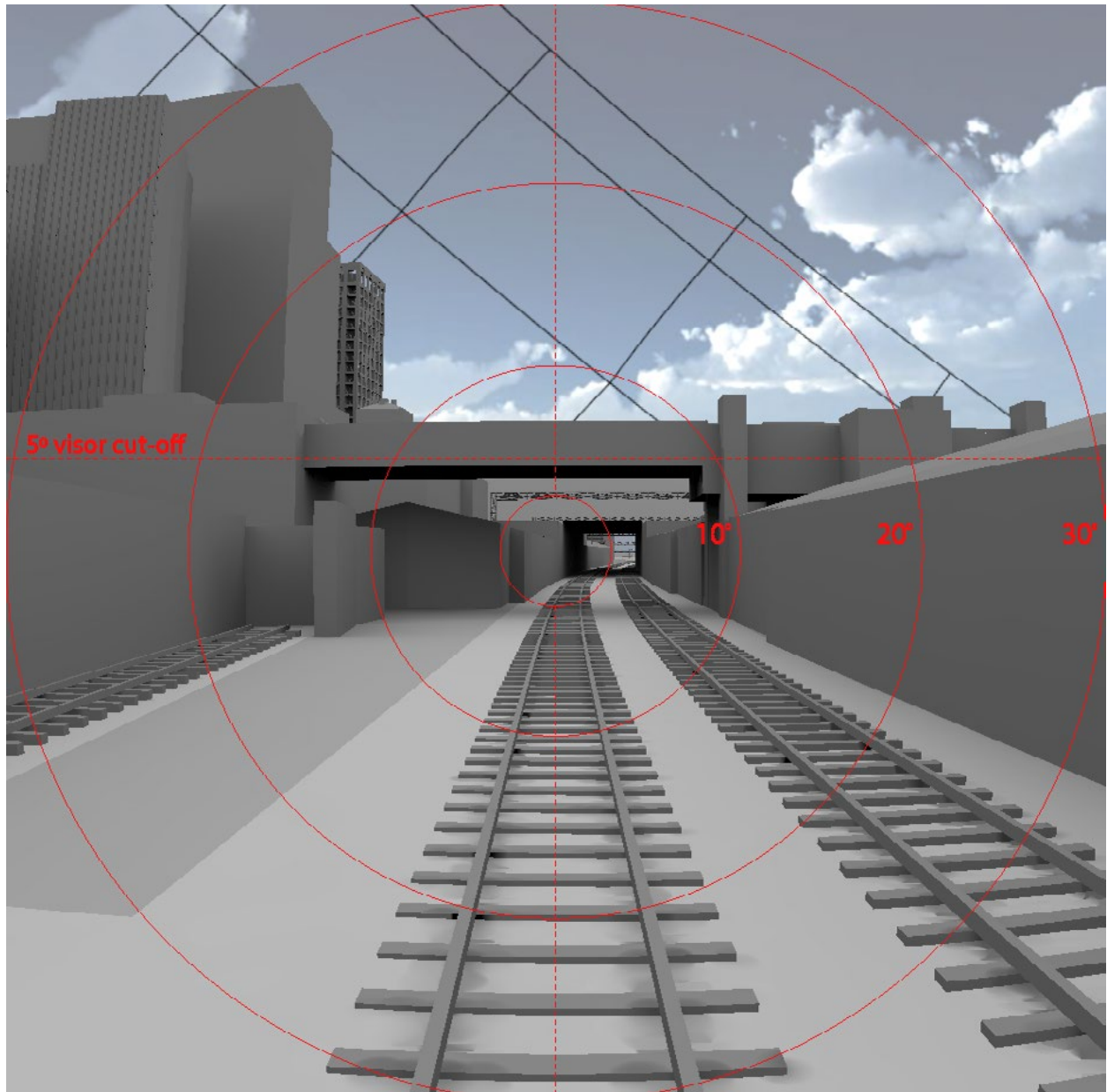


Fig. 43: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 WEST - VIEWPOINT W11
WITH PLOT C

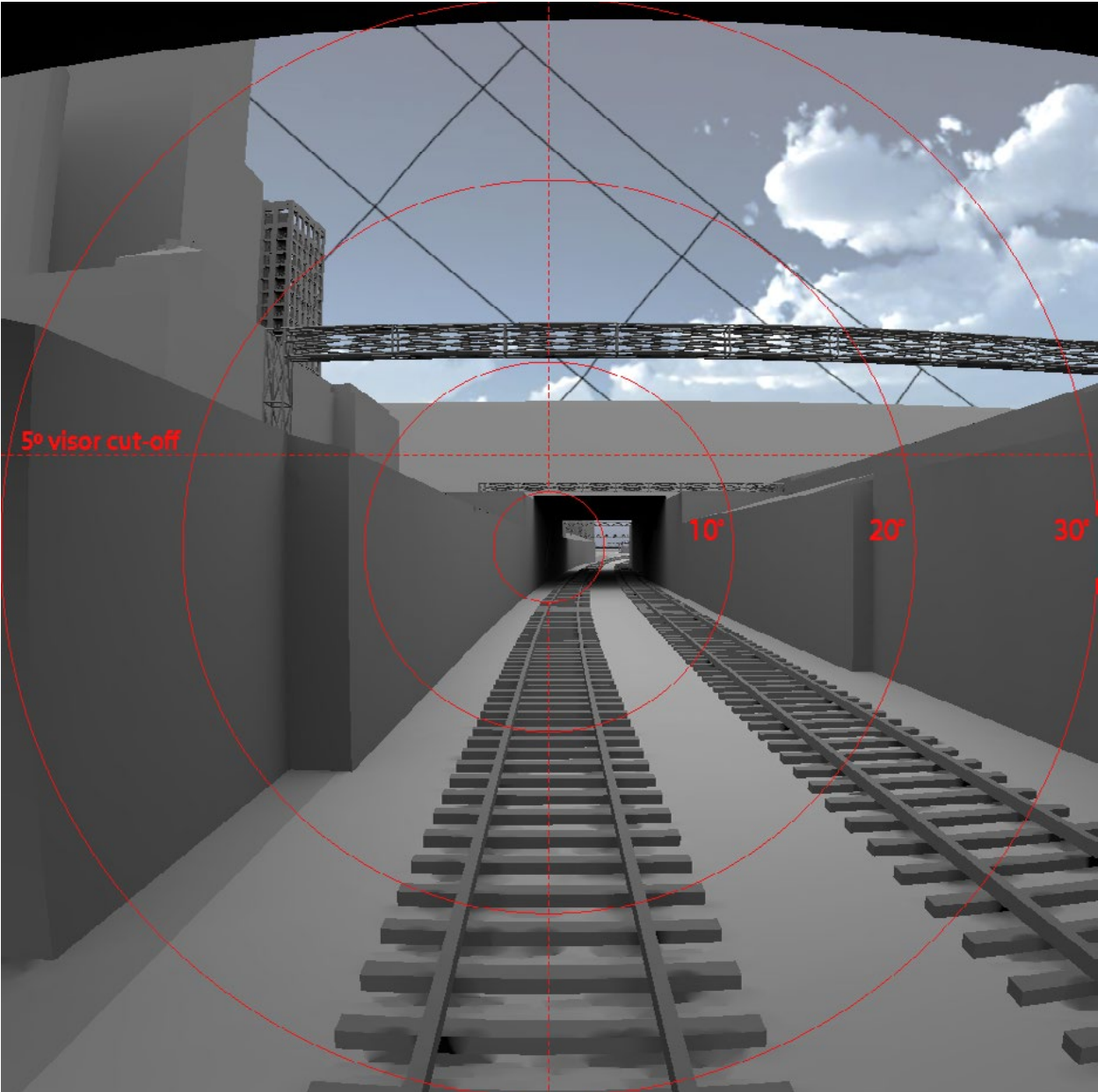
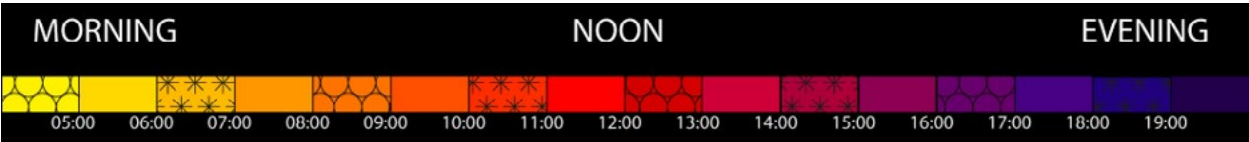


Fig. 44: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 WEST - VIEWPOINT W11
WITH PLOT C

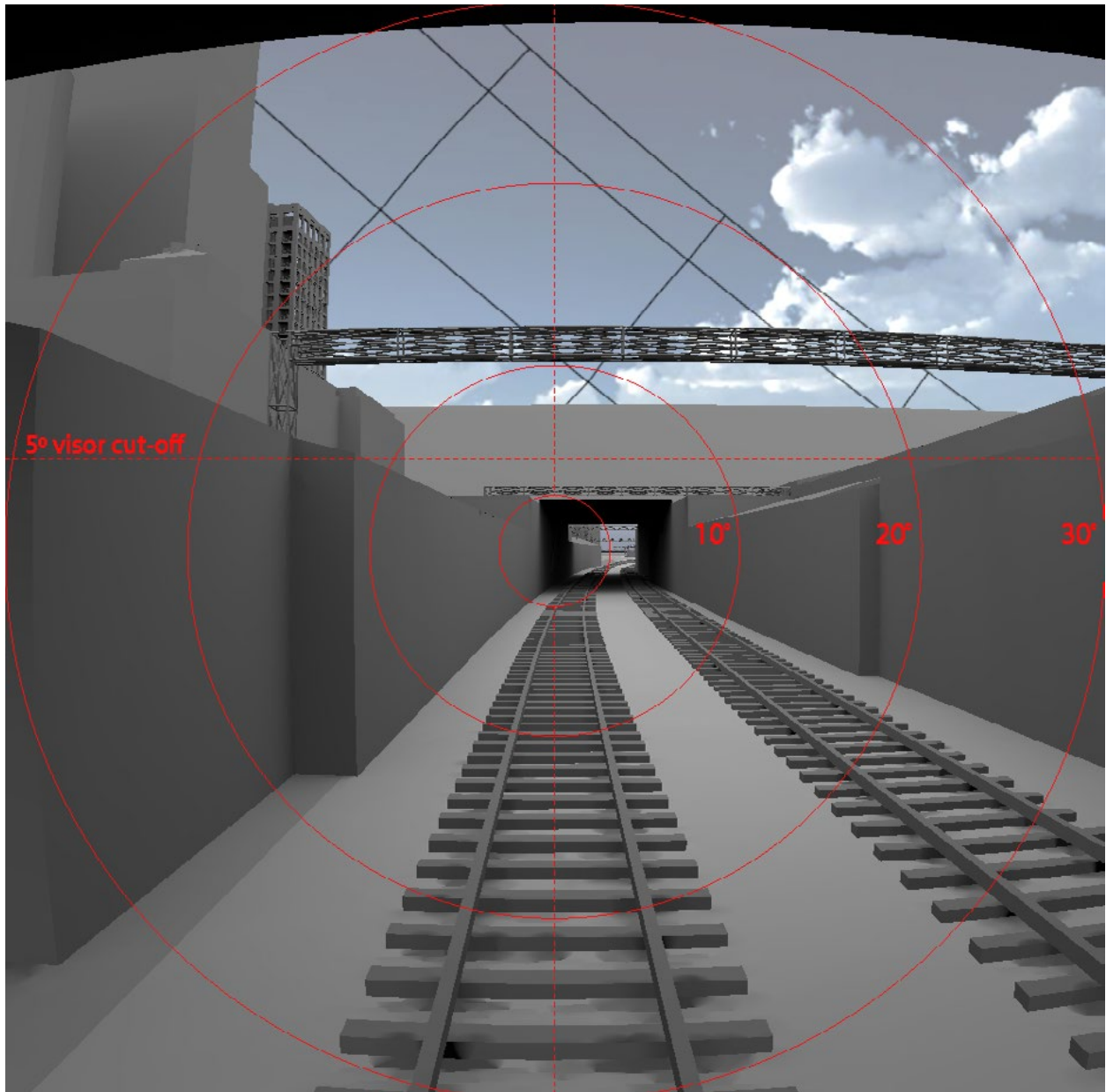


Fig. 45: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E1

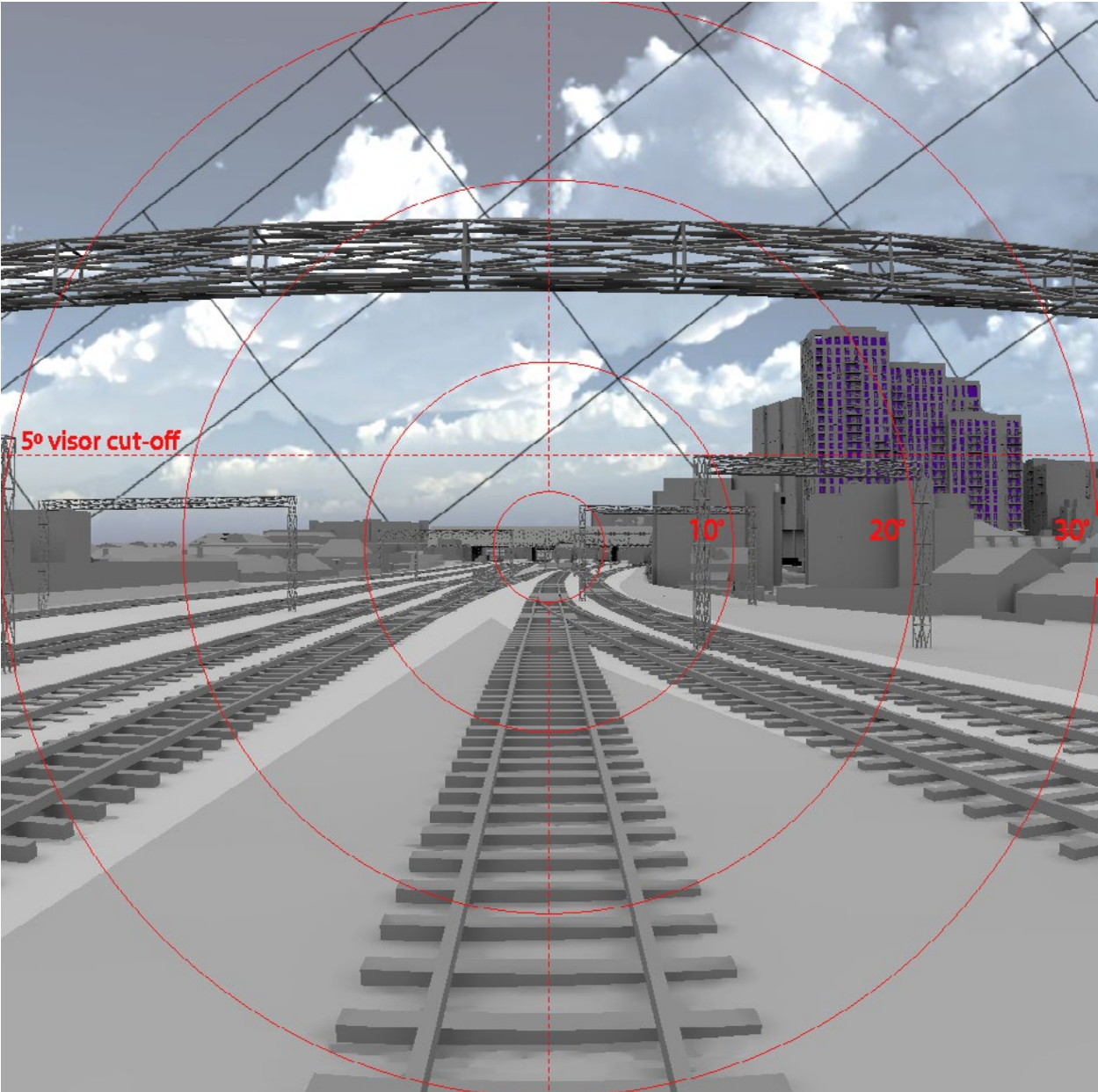
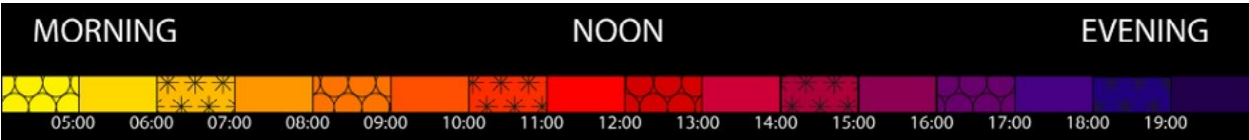


Fig. 46: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E1

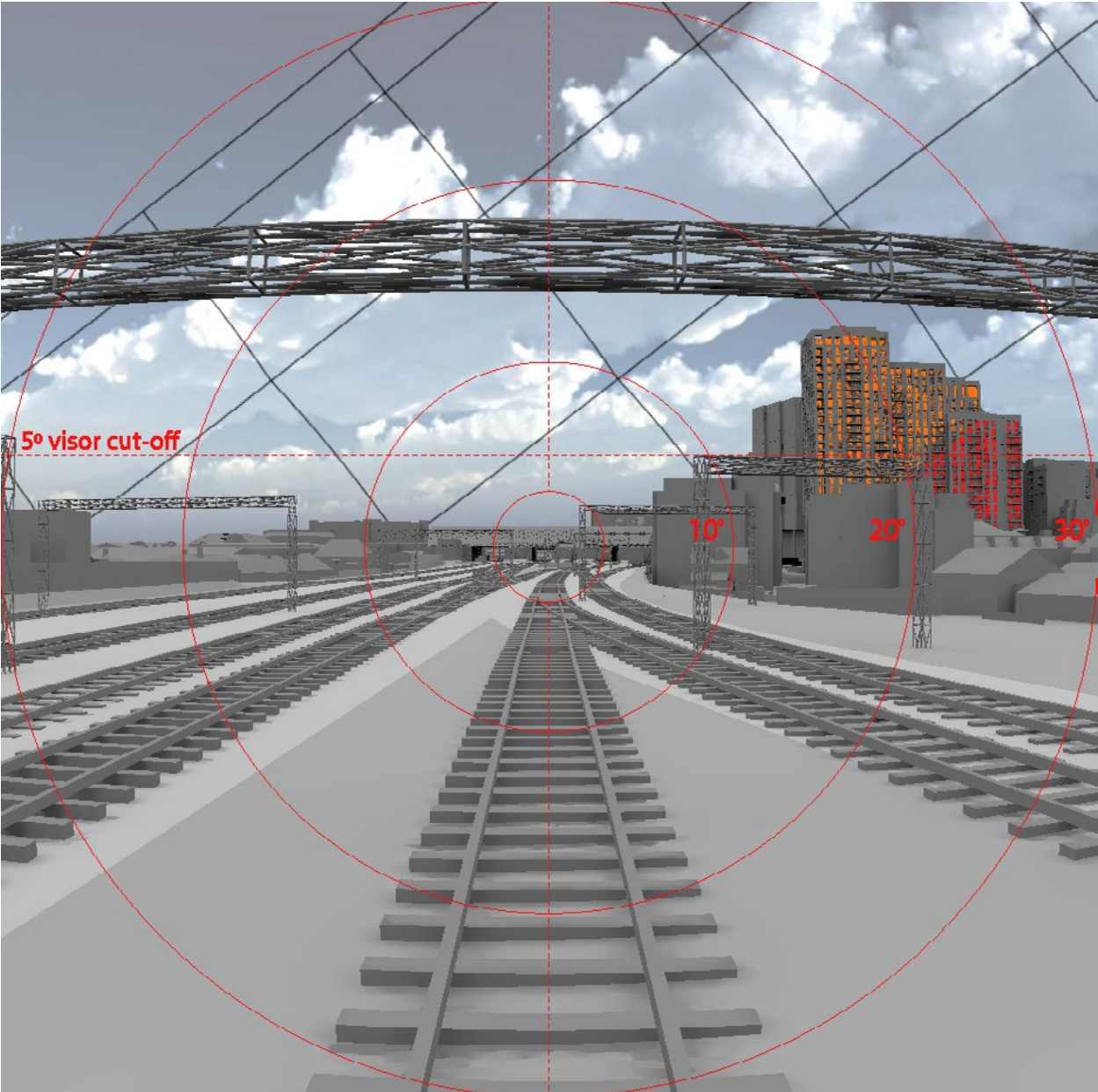


Fig. 47: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E2

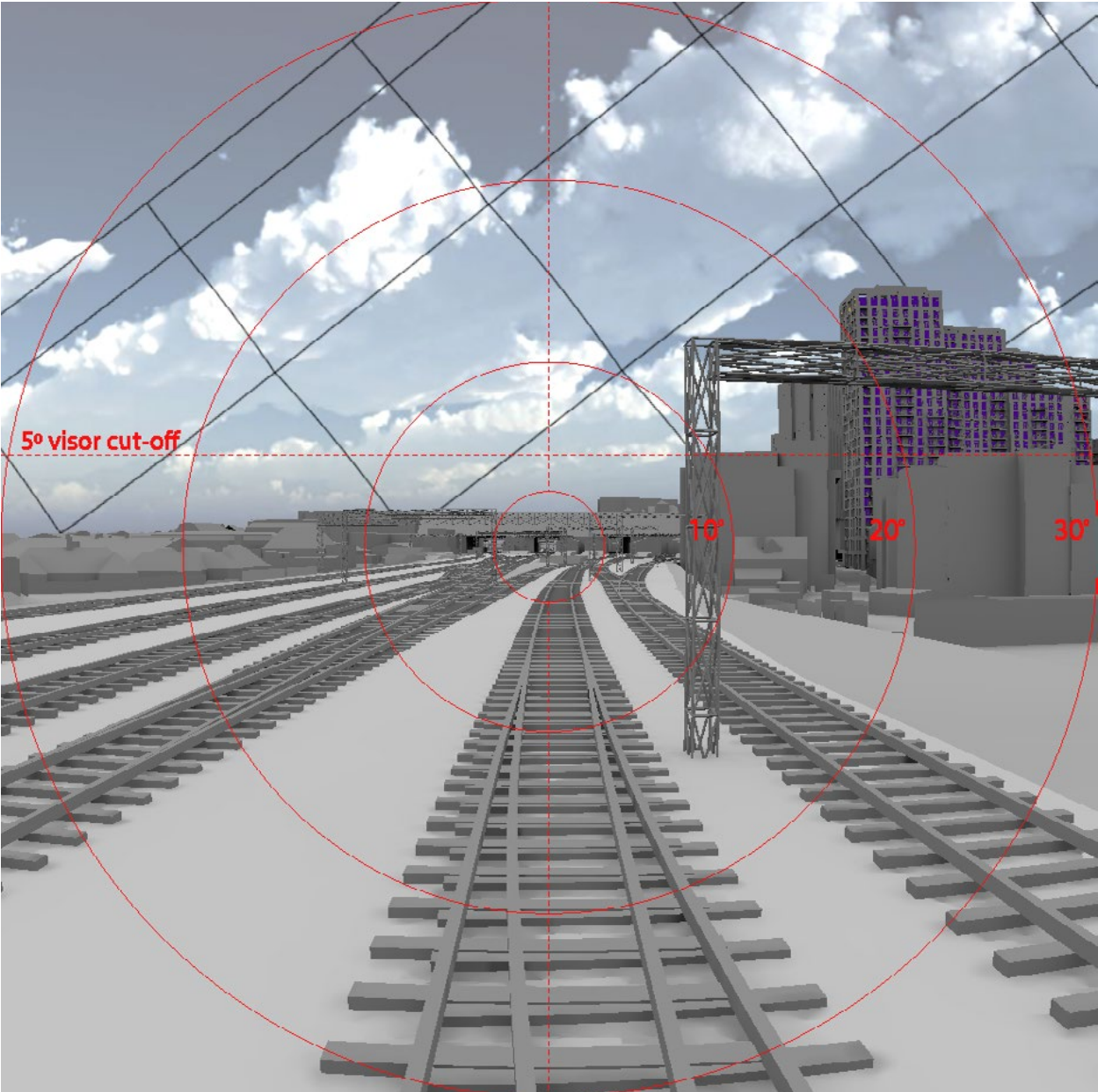
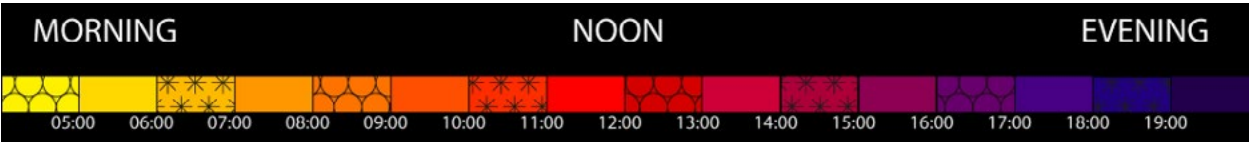


Fig. 48: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E2

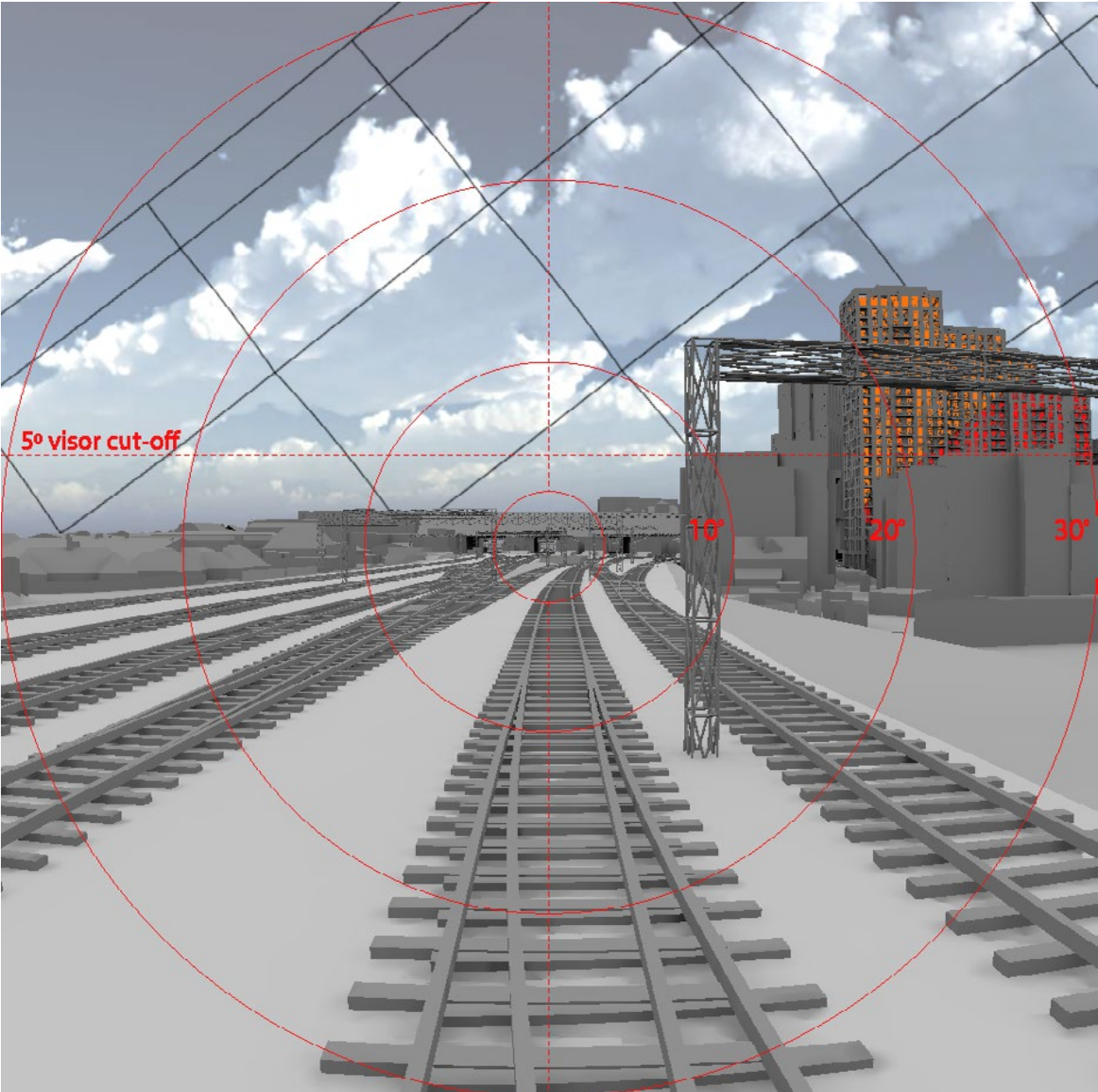


Fig. 49: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E3

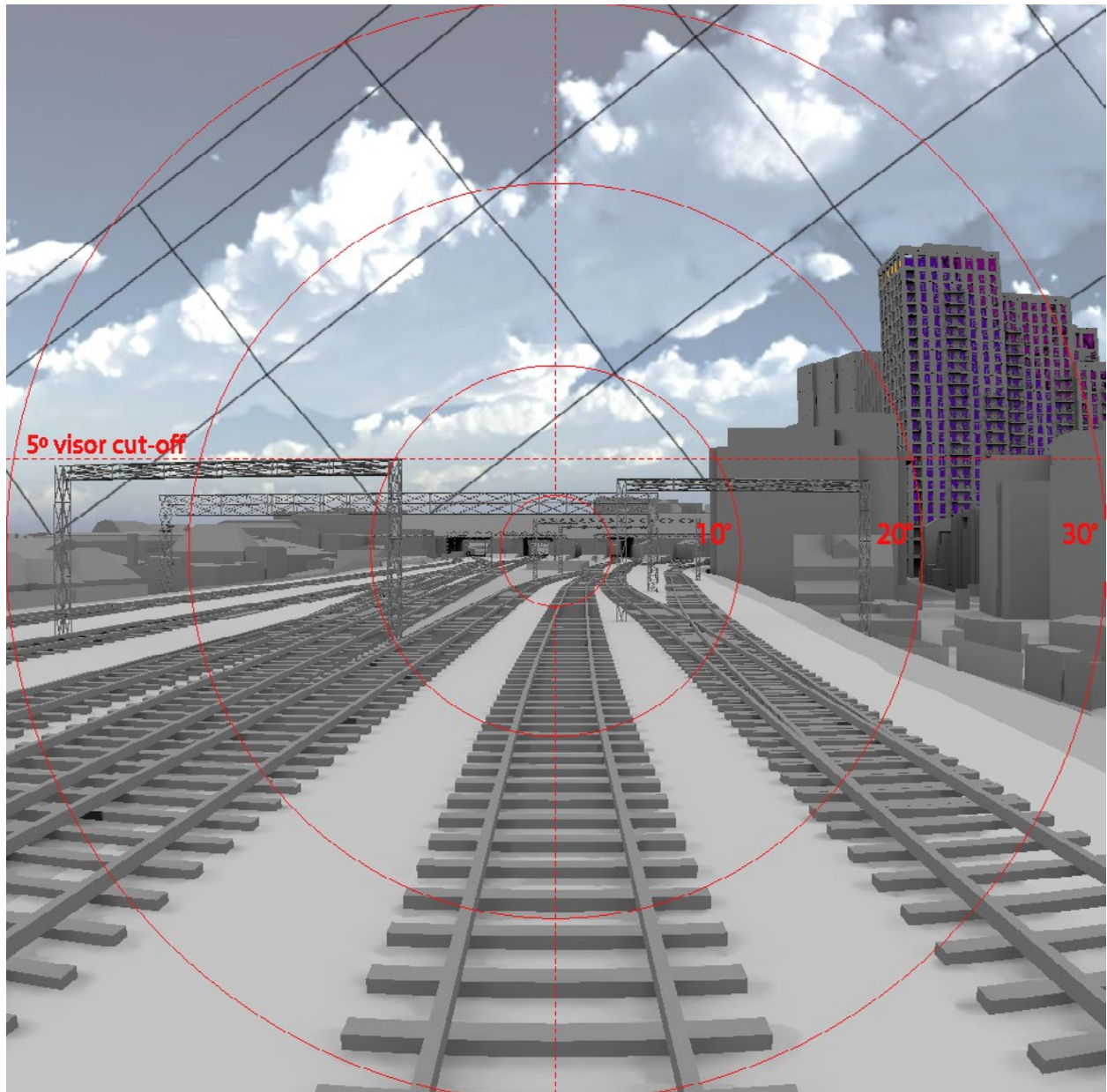
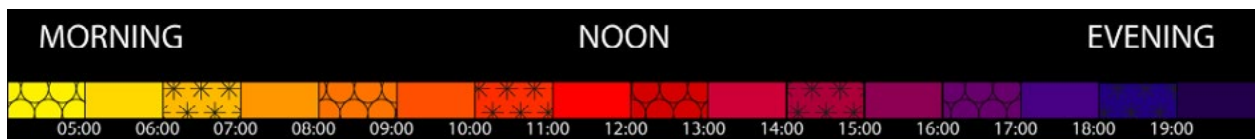


Fig. 50: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E3

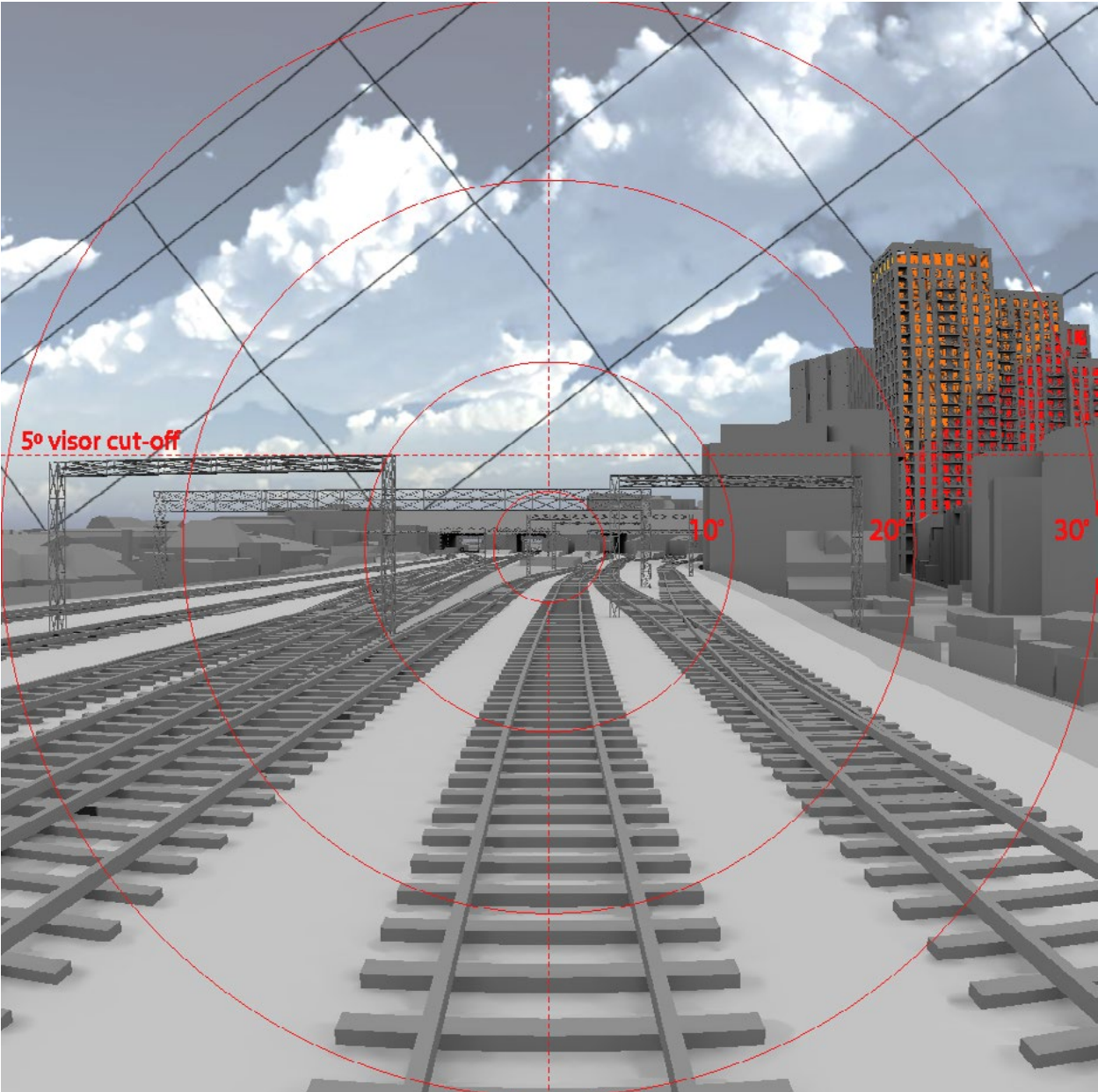


Fig. 51: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E4

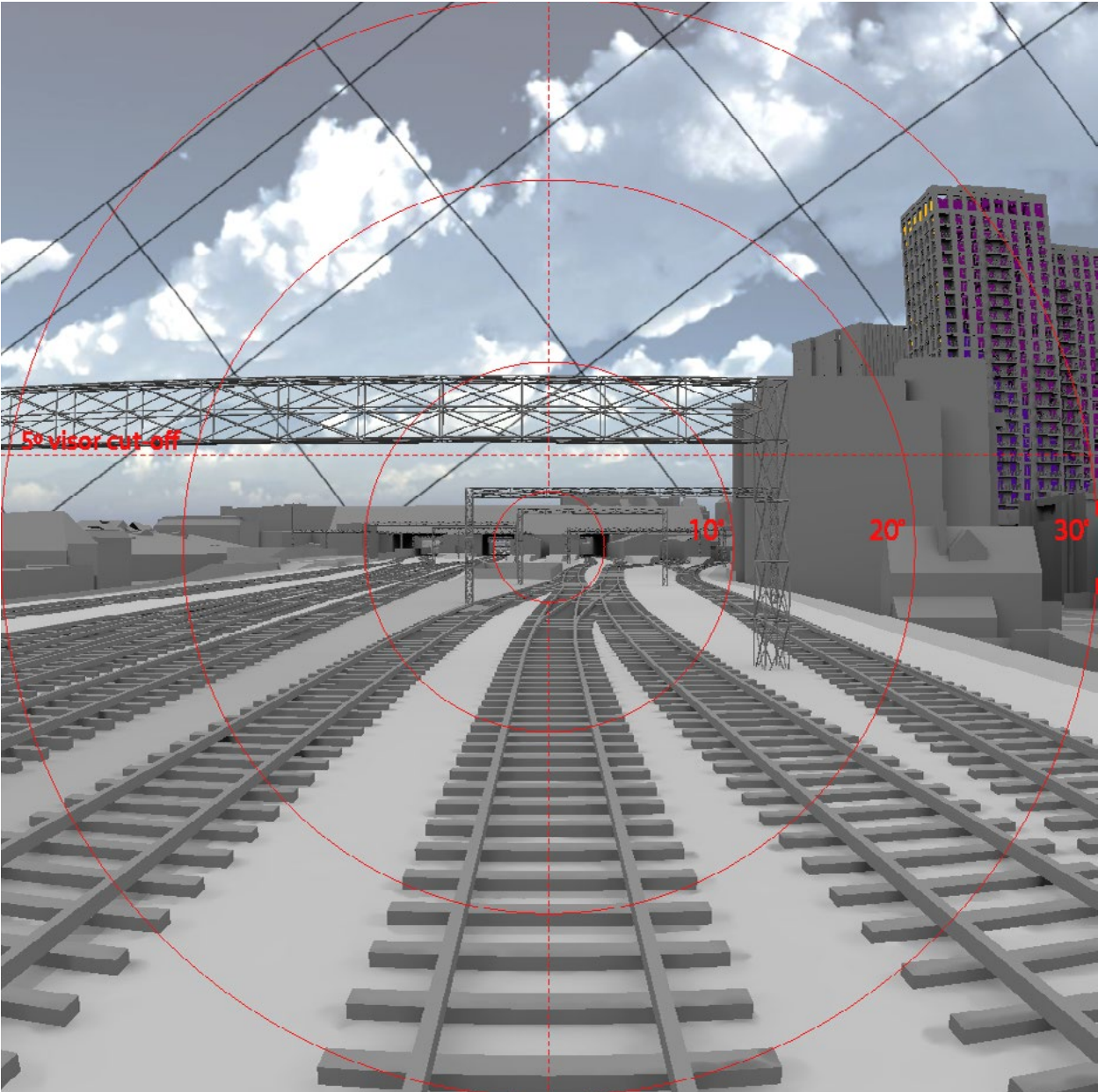
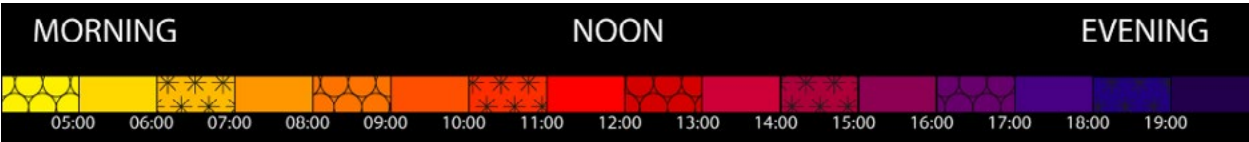


Fig. 52: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E4

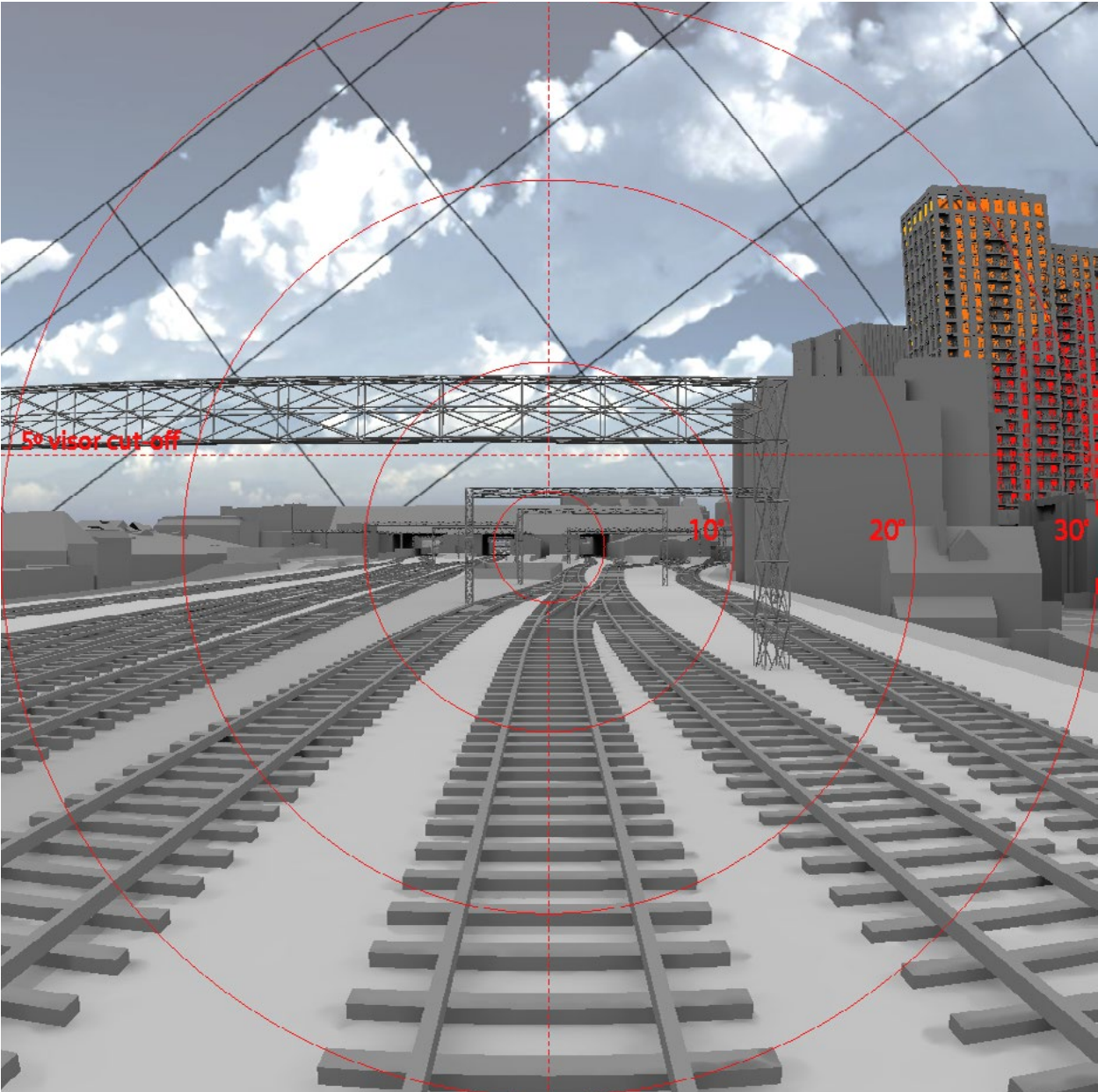


Fig. 53: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E5

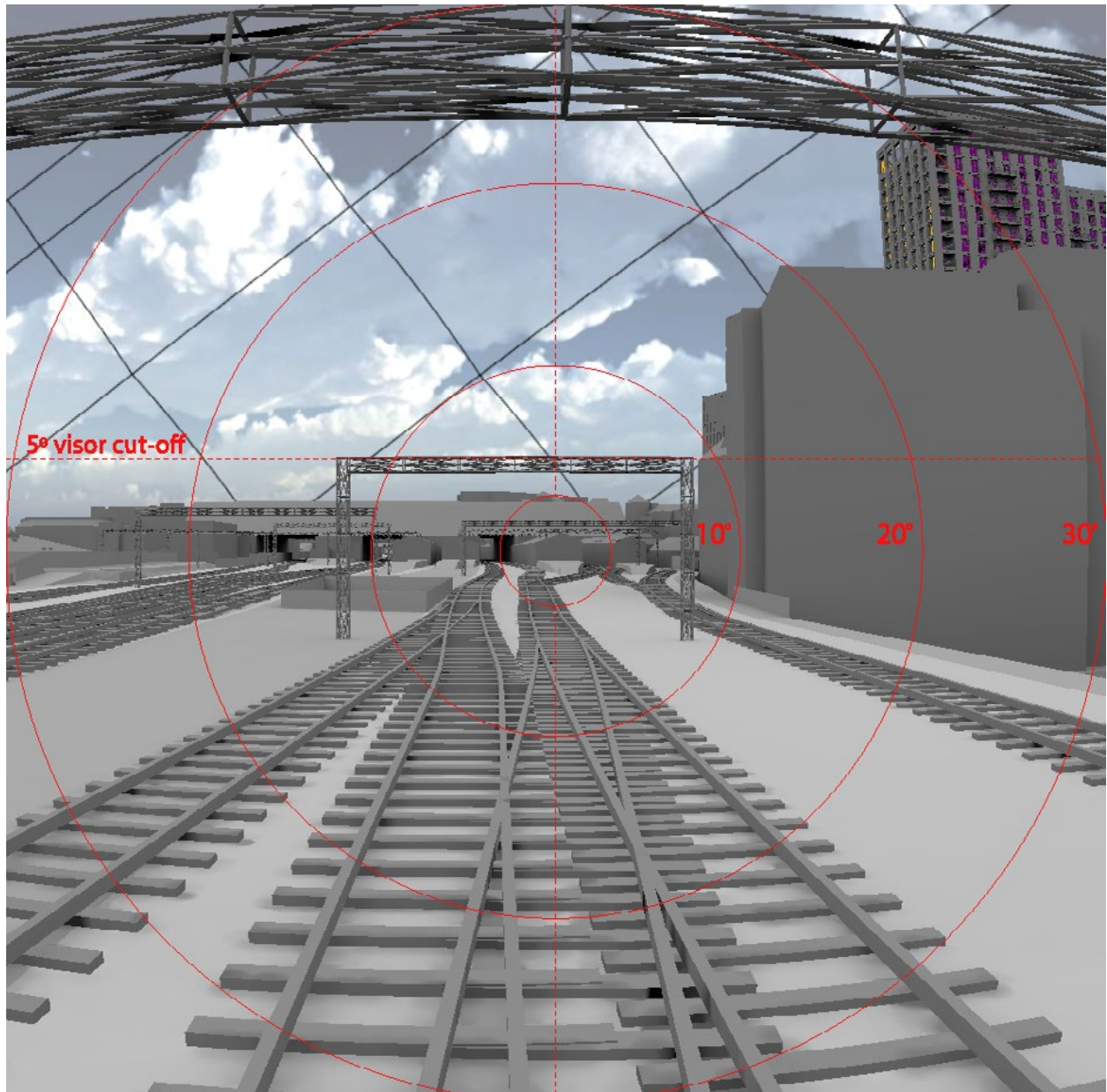
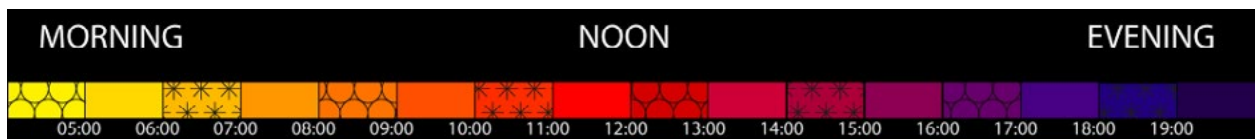


Fig. 54: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E5

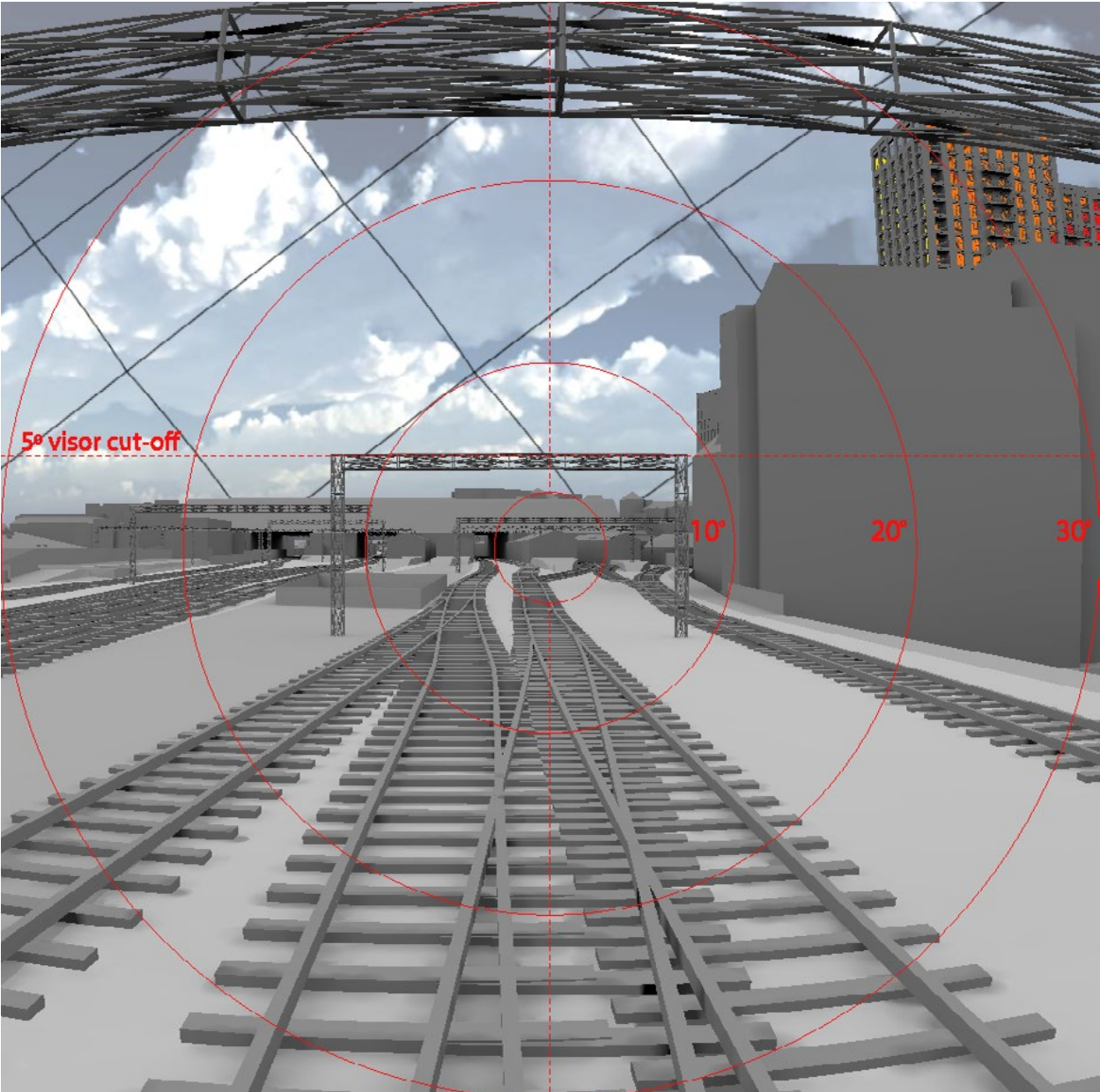


Fig. 55: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E6

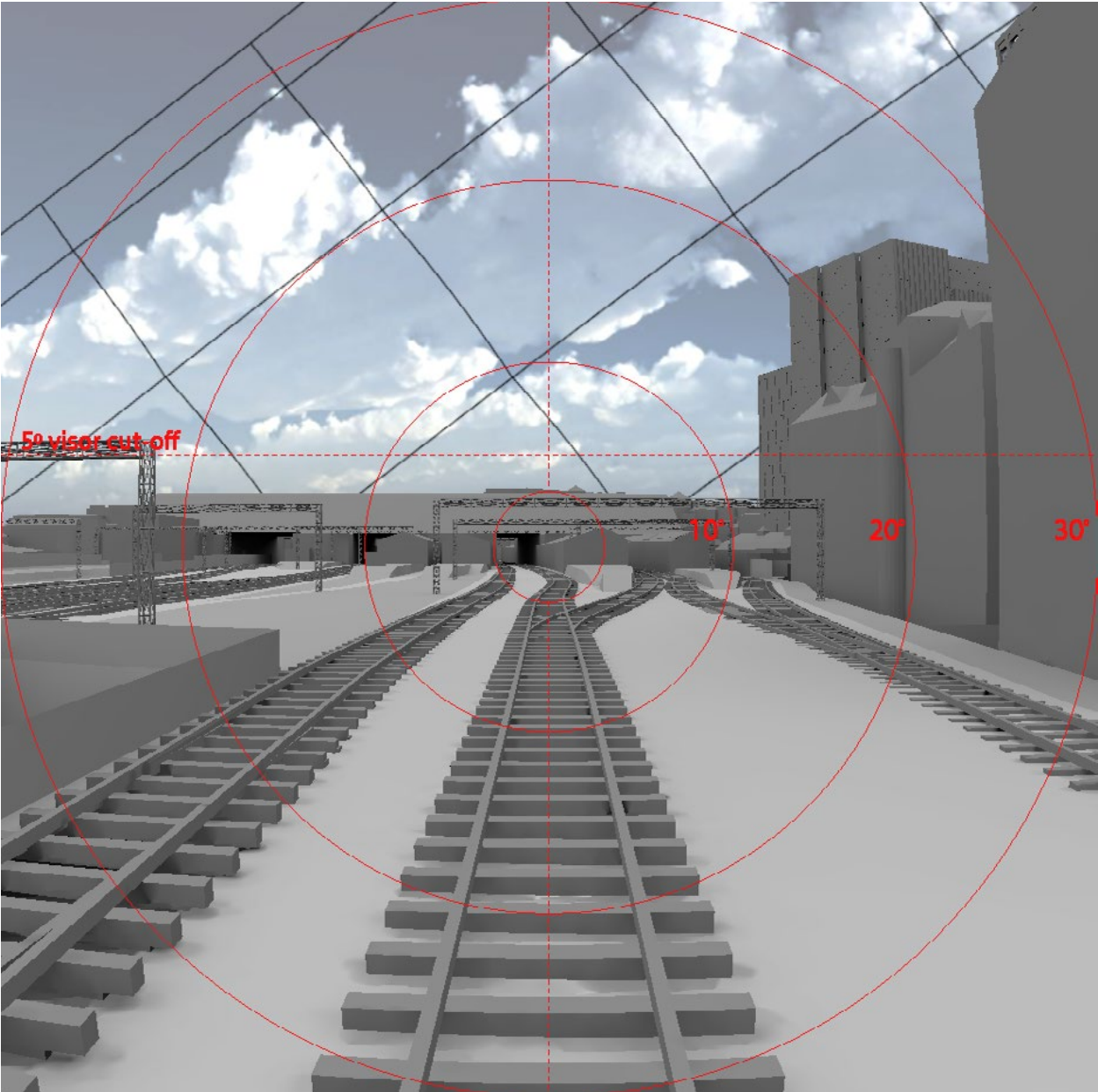
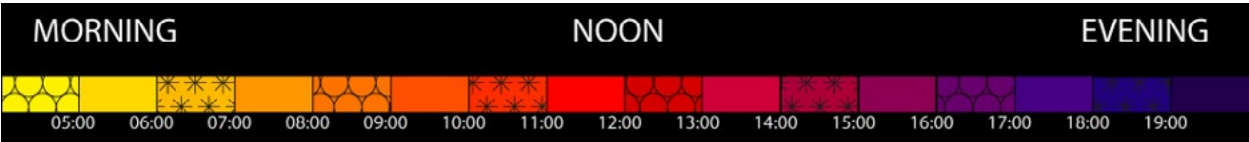


Fig. 56: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E6

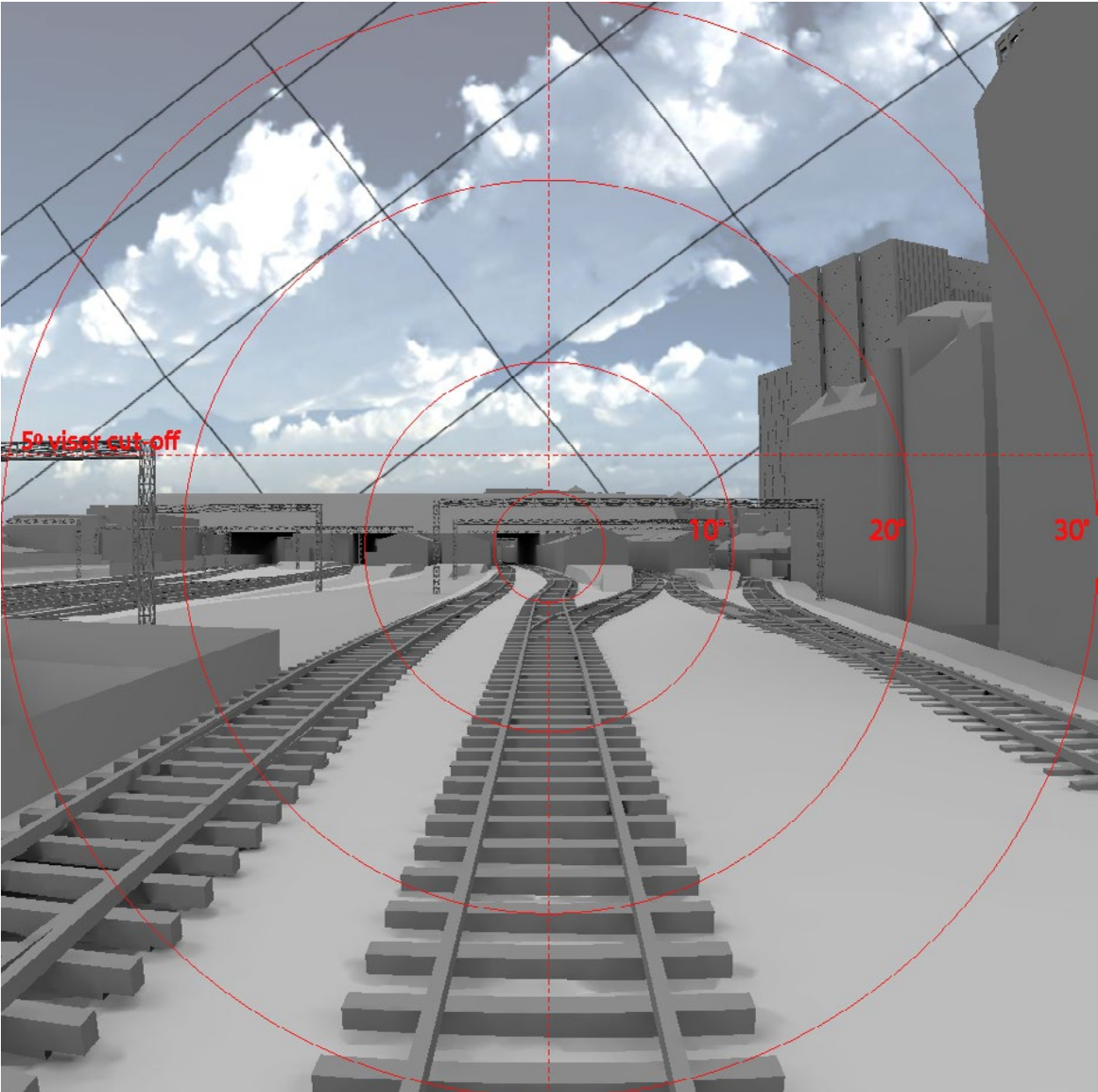


Fig. 57: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E7

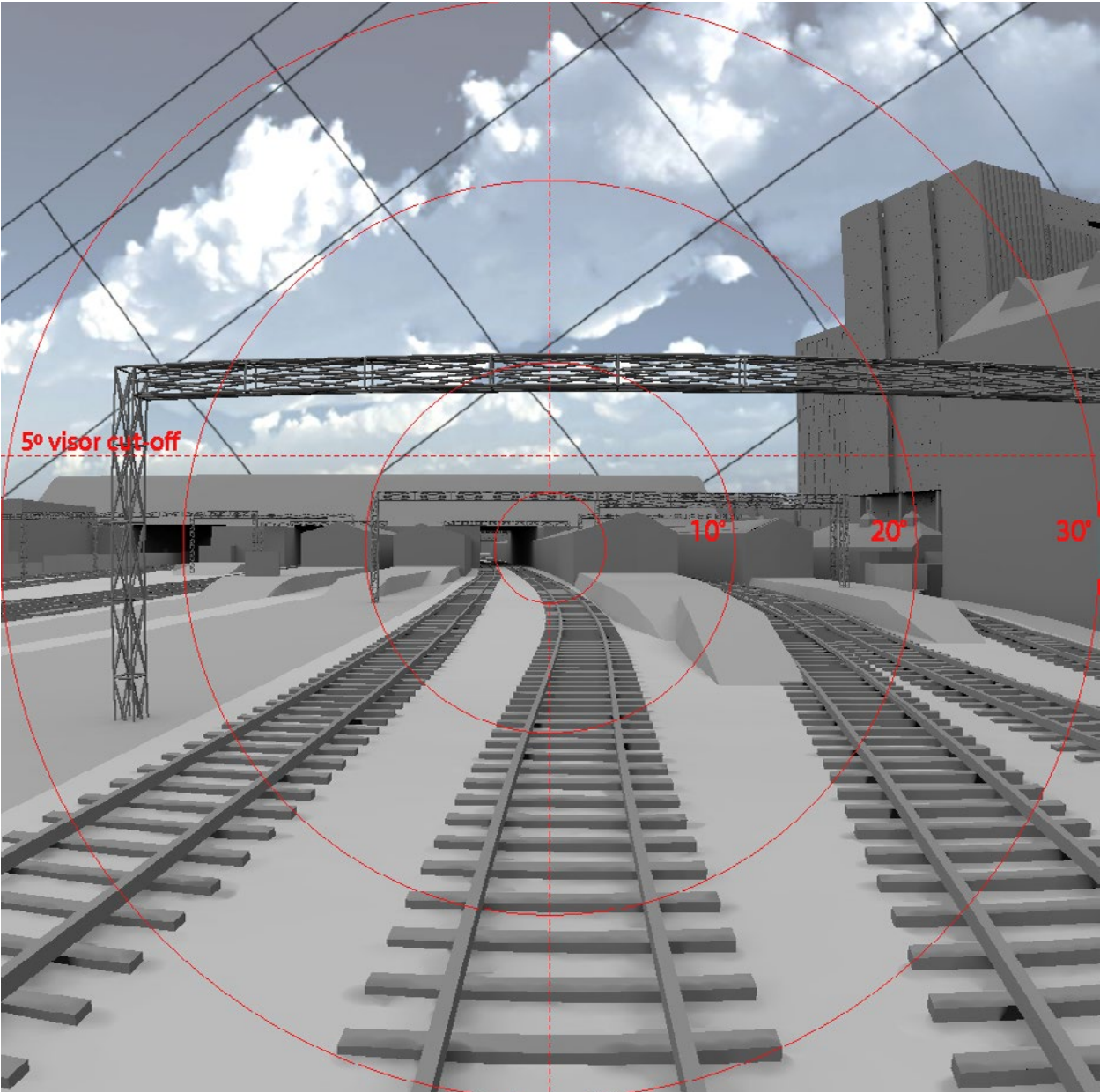
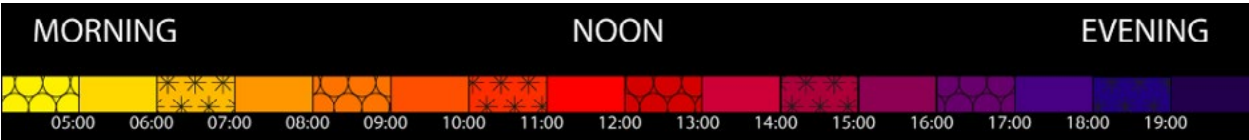


Fig. 58: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E7

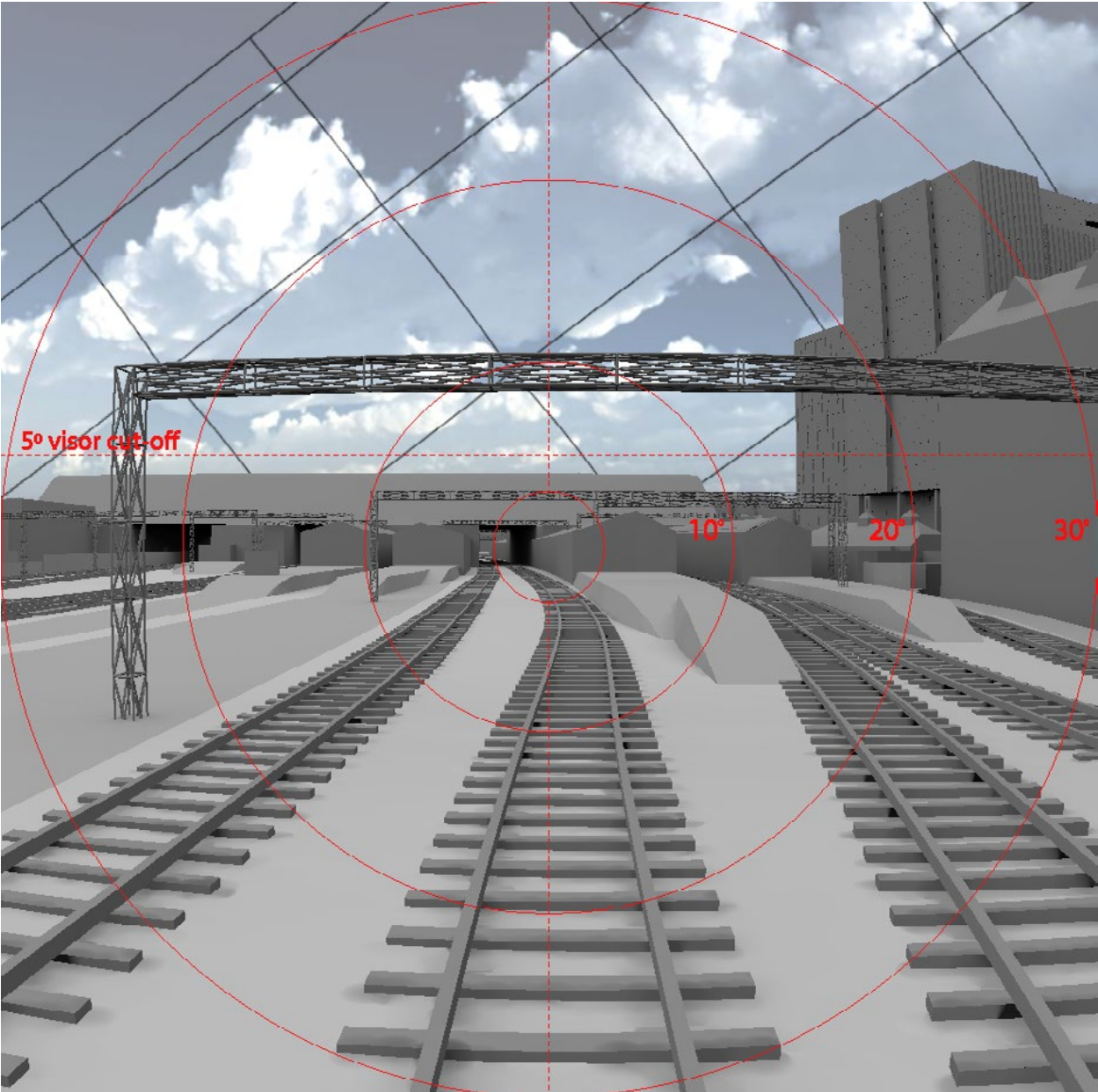


Fig. 59: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
TRACK 7 EAST - VIEWPOINT E8

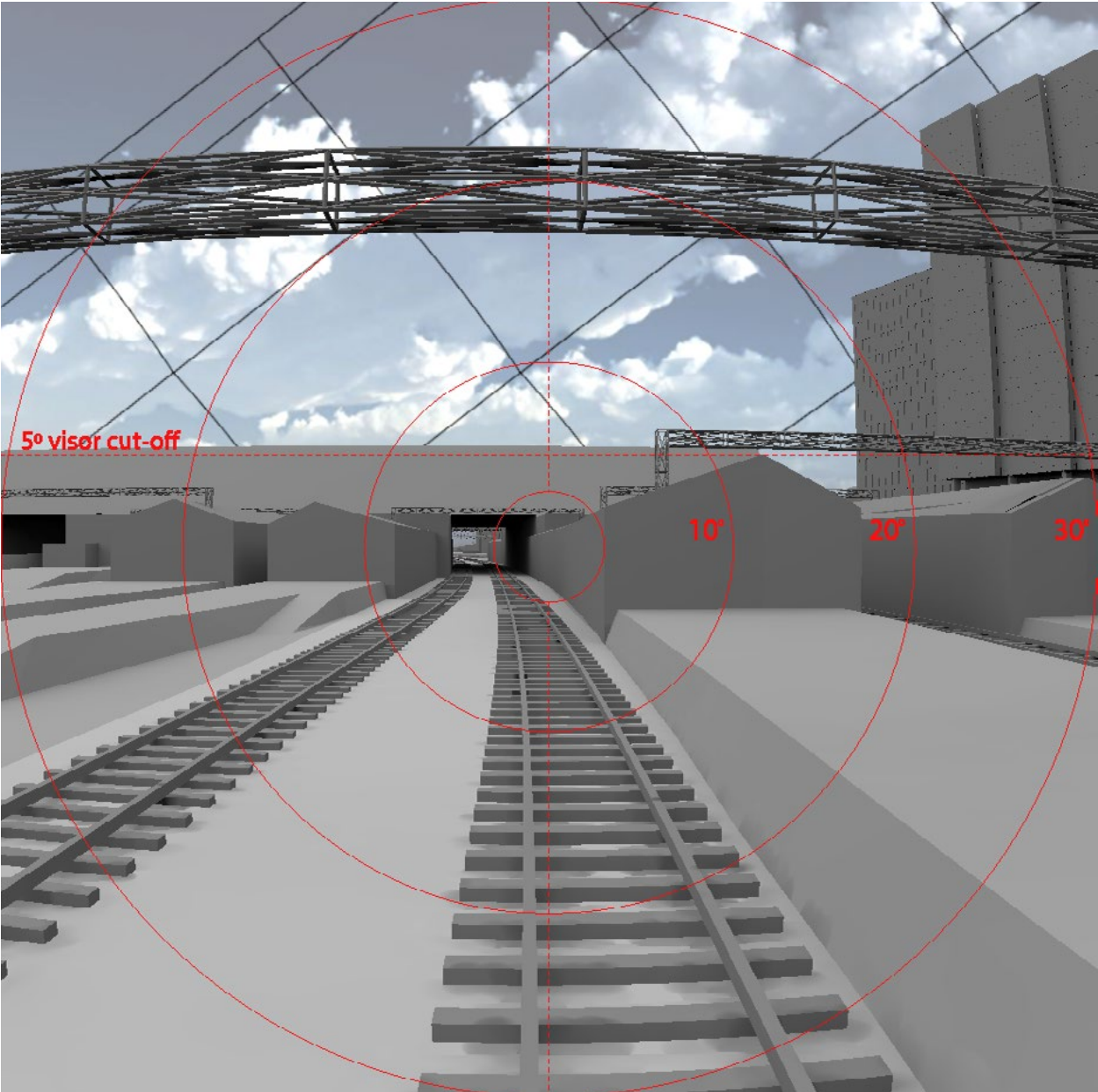
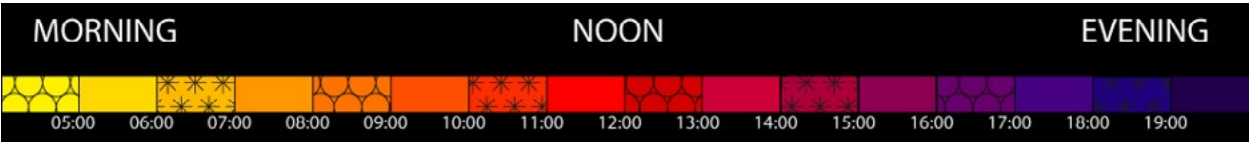


Fig. 60: Solar reflections



60° FIELD OF VIEW: SEASON
TRACK 7 EAST - VIEWPOINT E8

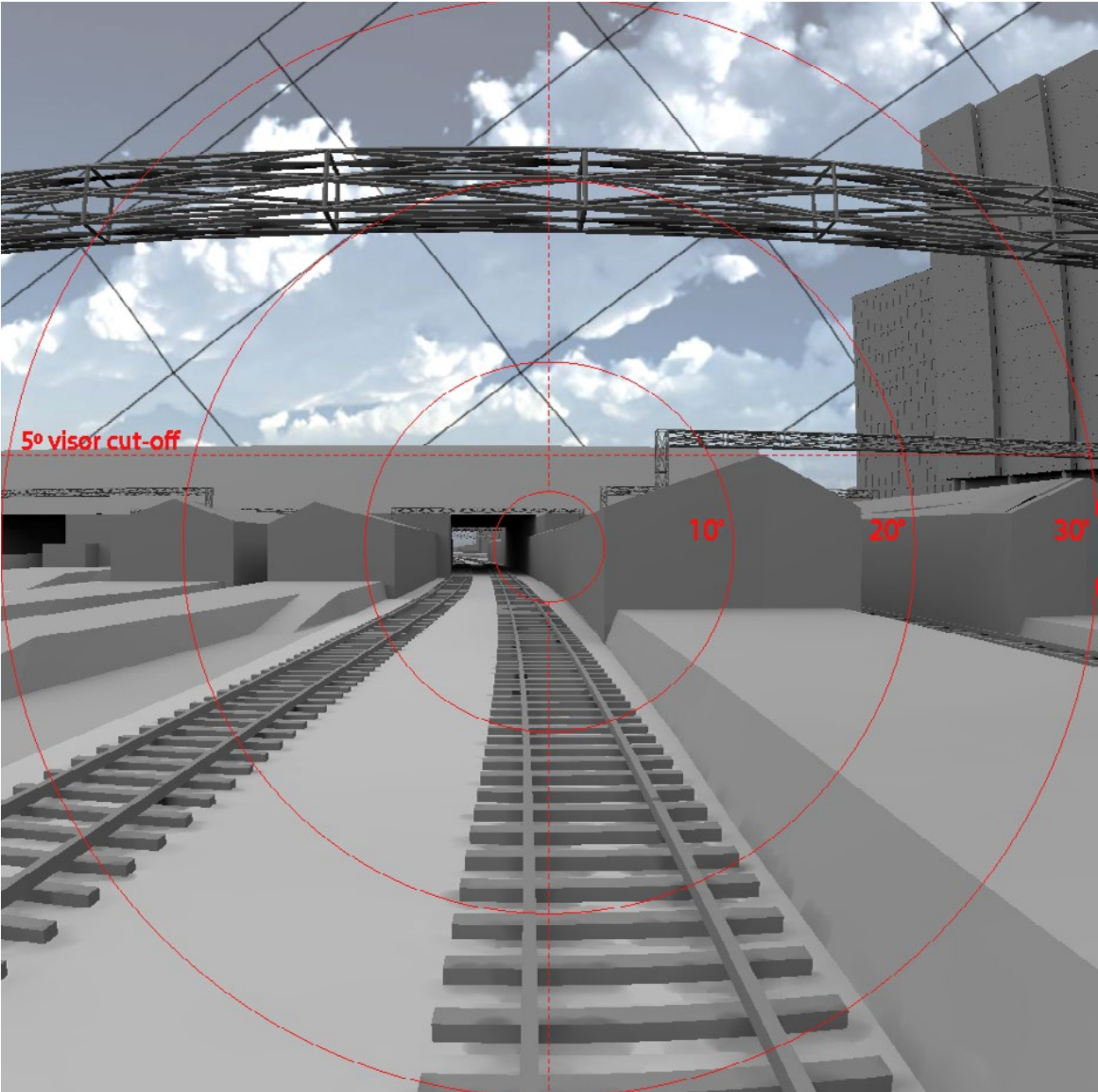


Fig. 61: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
GREAT KNOLLYS ST - GK1

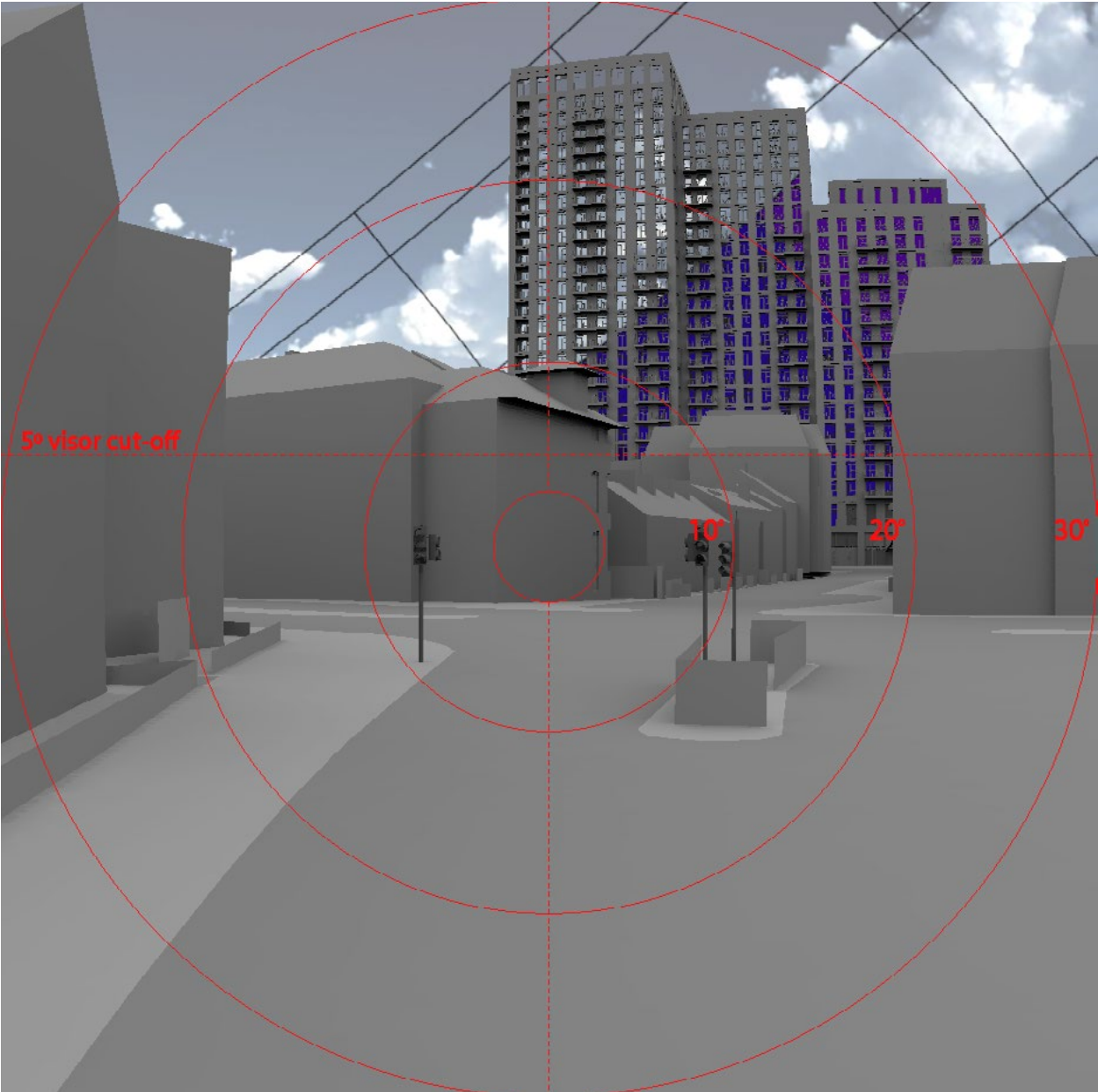
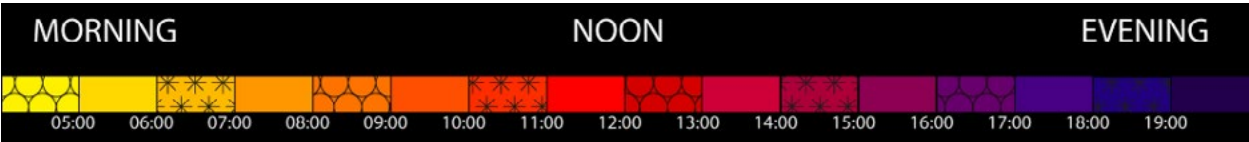


Fig. 62: Solar reflections



60° FIELD OF VIEW: SEASON
GREAT KNOLLYS ST - GK1

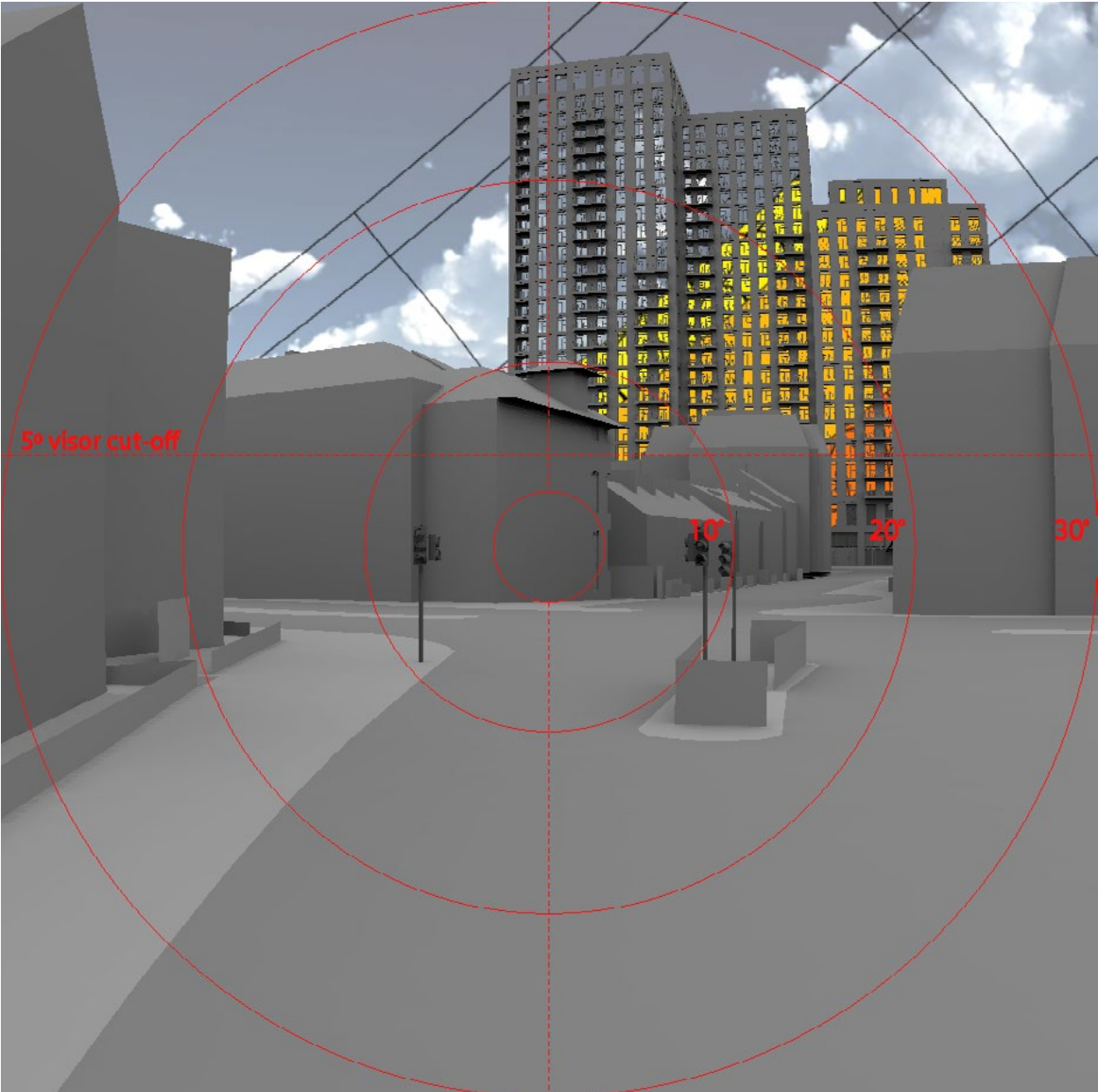


Fig. 63: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
GREAT KNOLLYS ST - GK1A

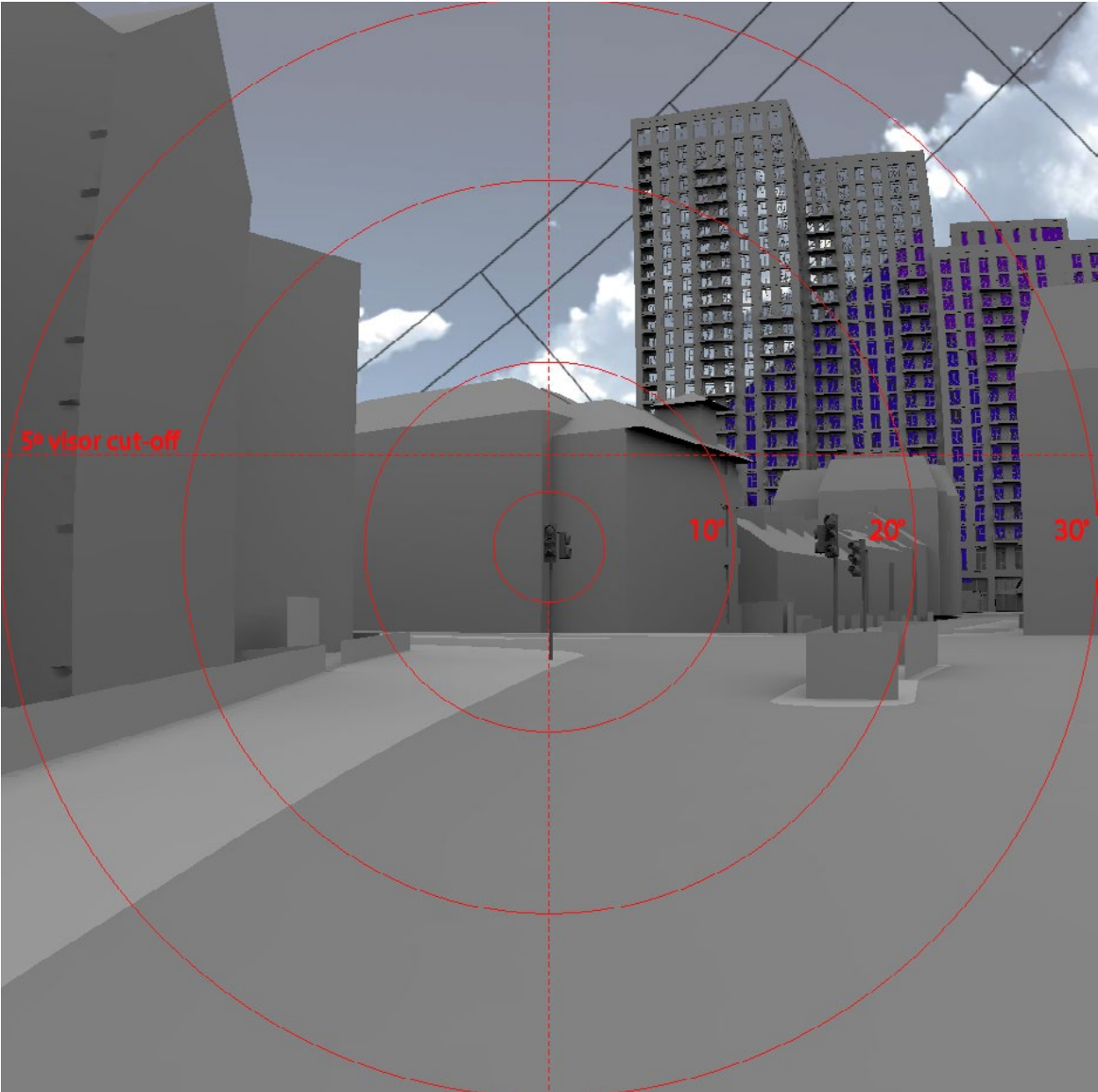
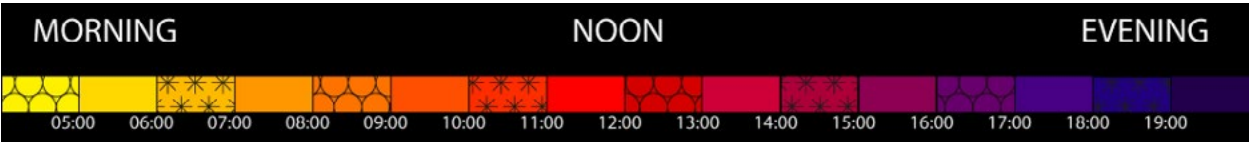


Fig. 64: Solar reflections



60° FIELD OF VIEW: SEASON
GREAT KNOLLYS ST - GK1A

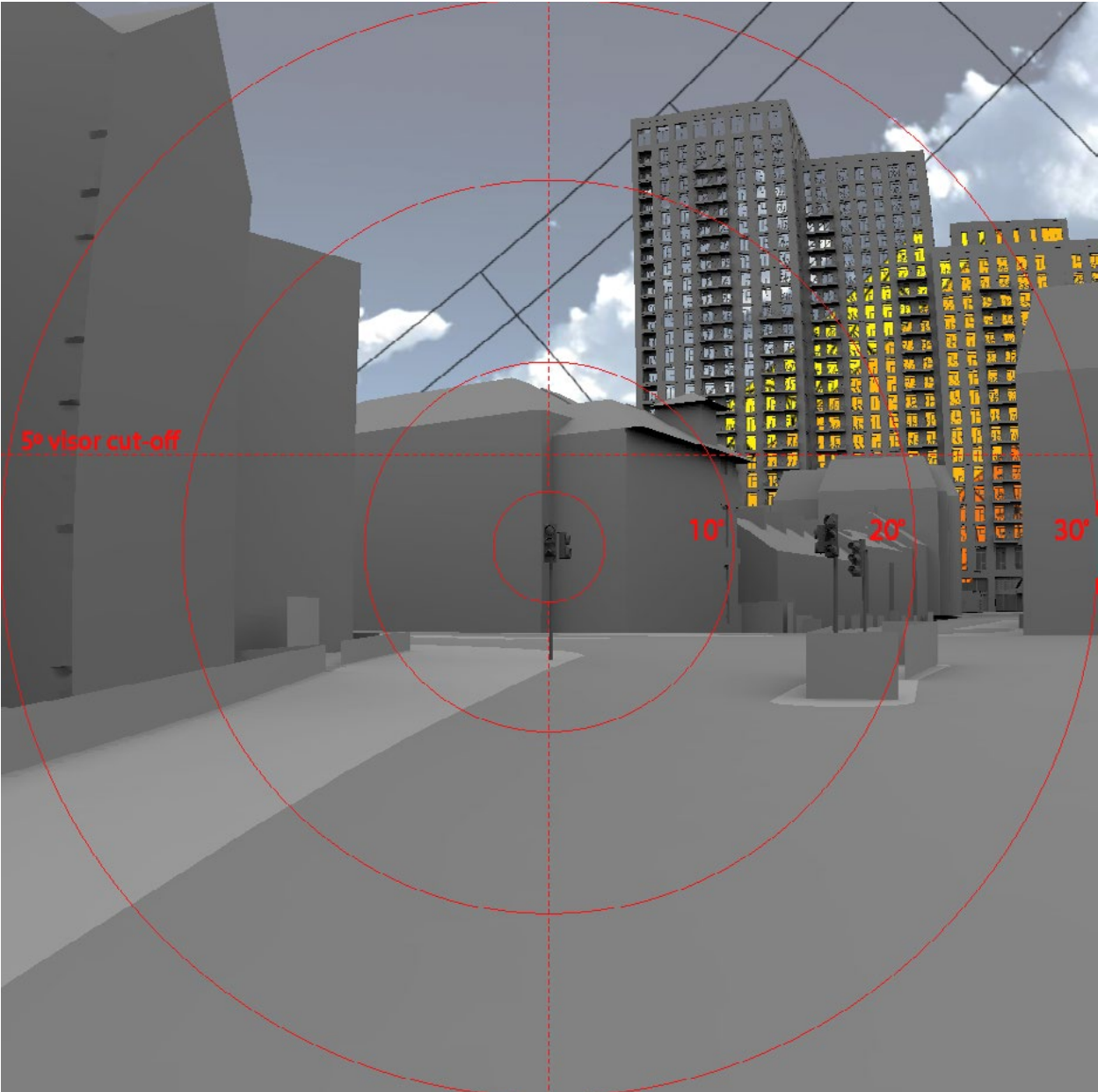


Fig. 65: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
GREAT KNOLLYS ST - GK1B

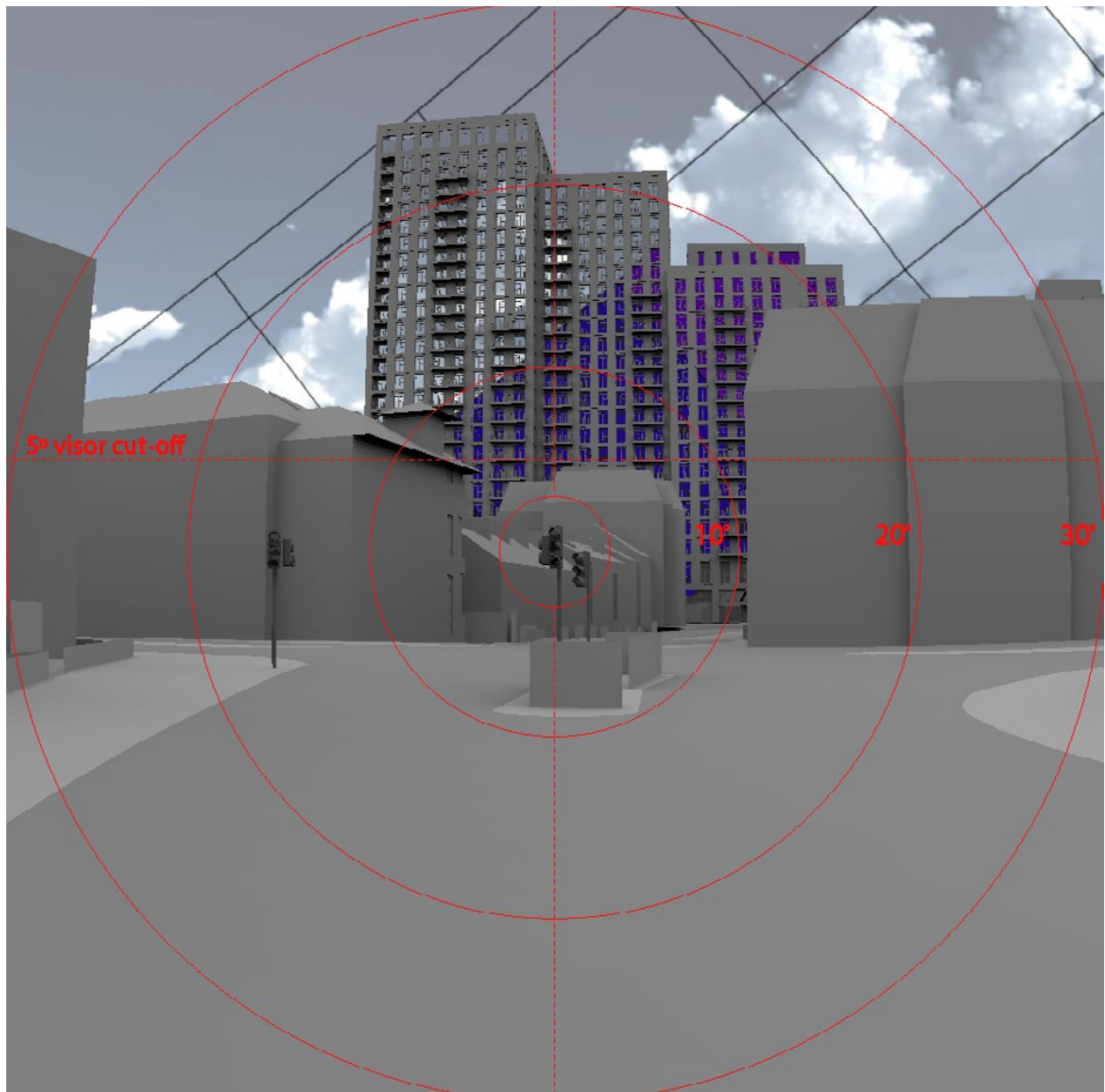
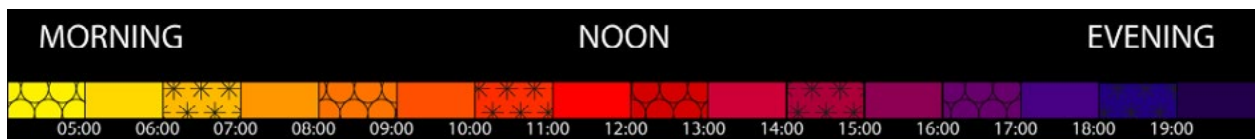


Fig. 66: Solar reflections



60° FIELD OF VIEW: SEASON
GREAT KNOLLYS ST - GK1B

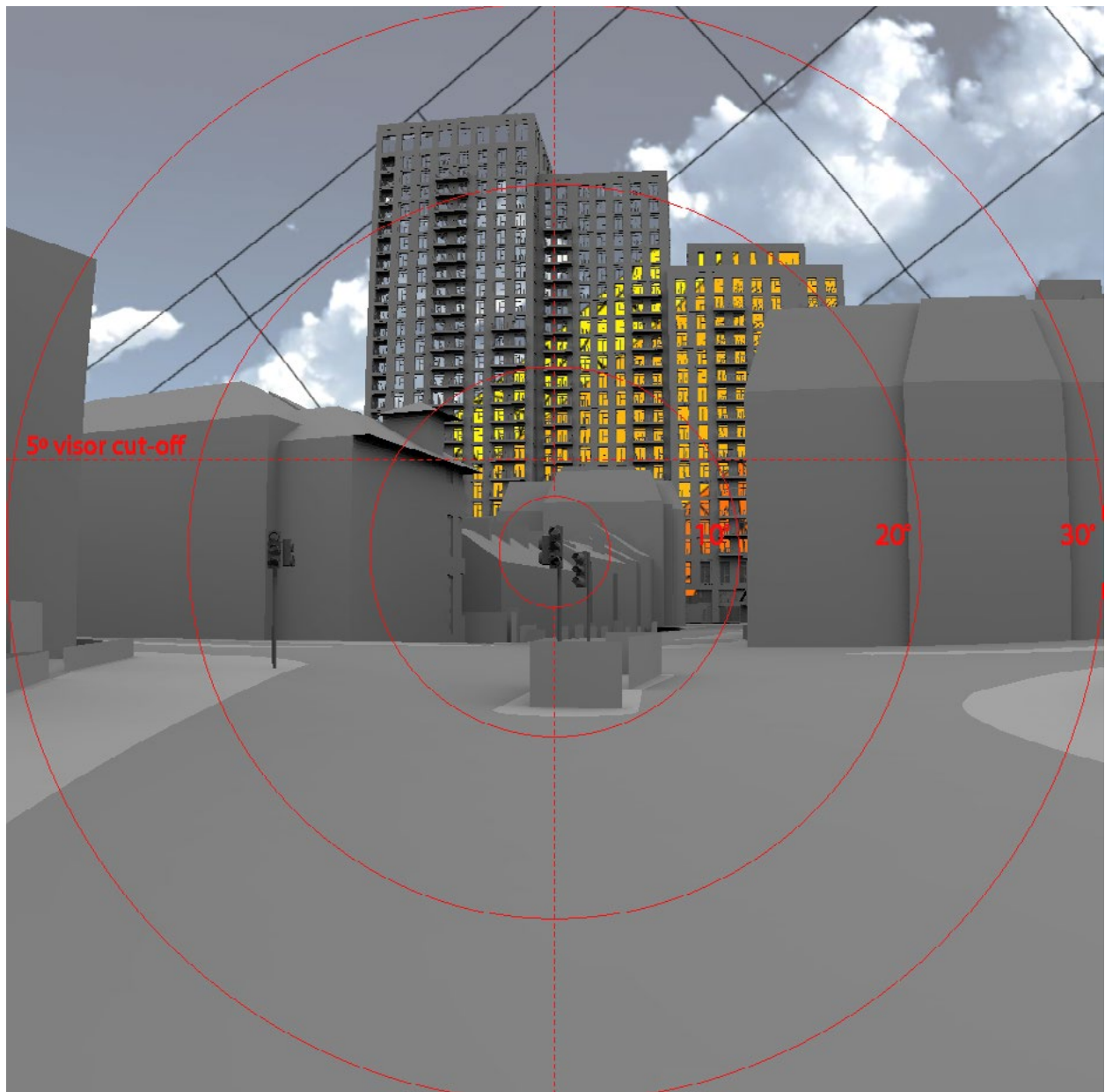


Fig. 67: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
WELDALE ST - WS1

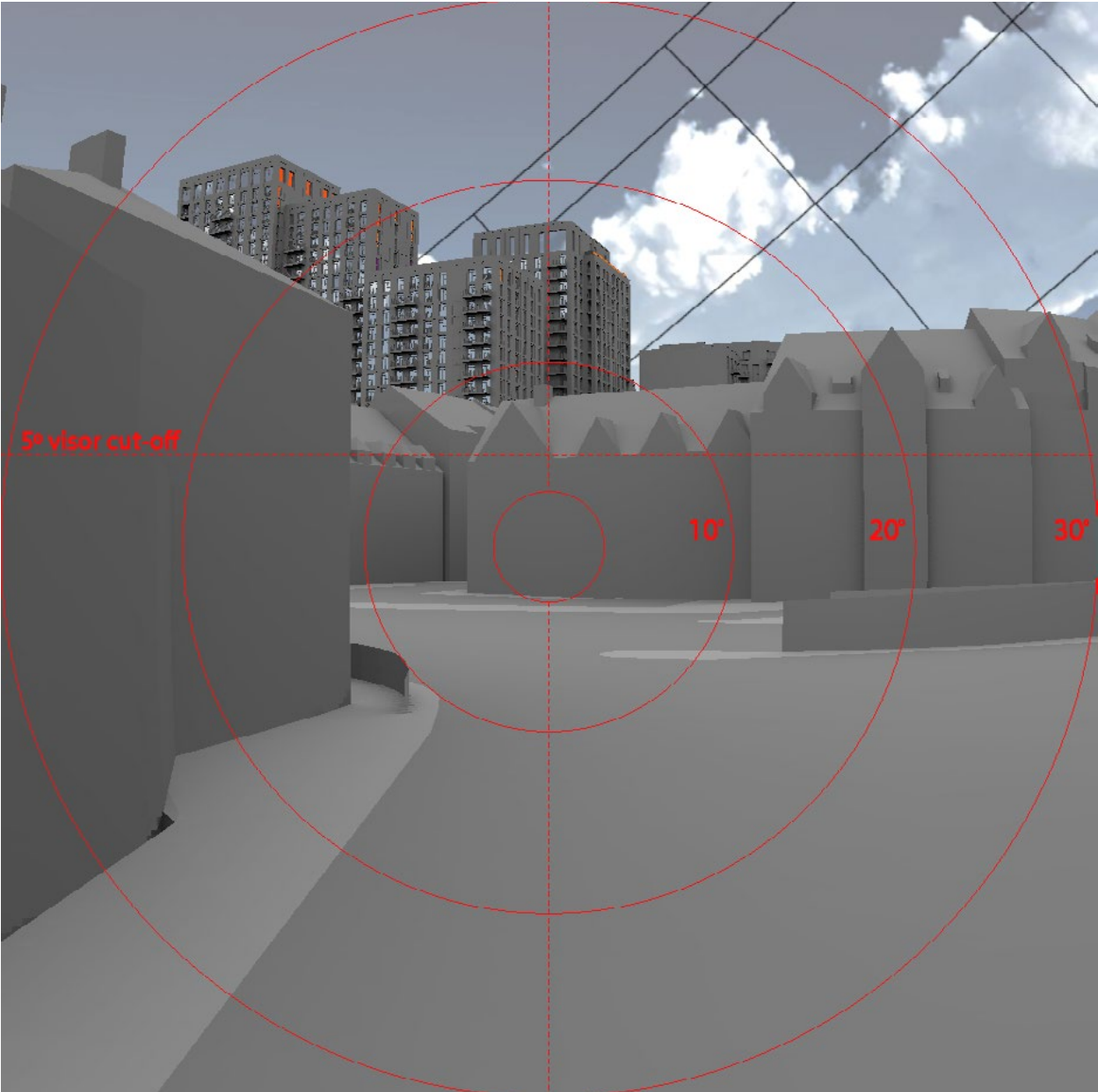
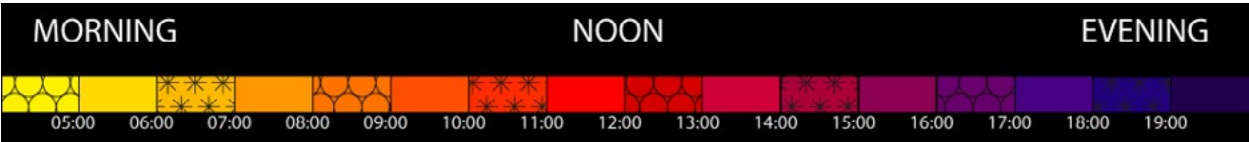


Fig. 68: Solar reflections



60° FIELD OF VIEW: SEASON
WELDALE ST - WS1

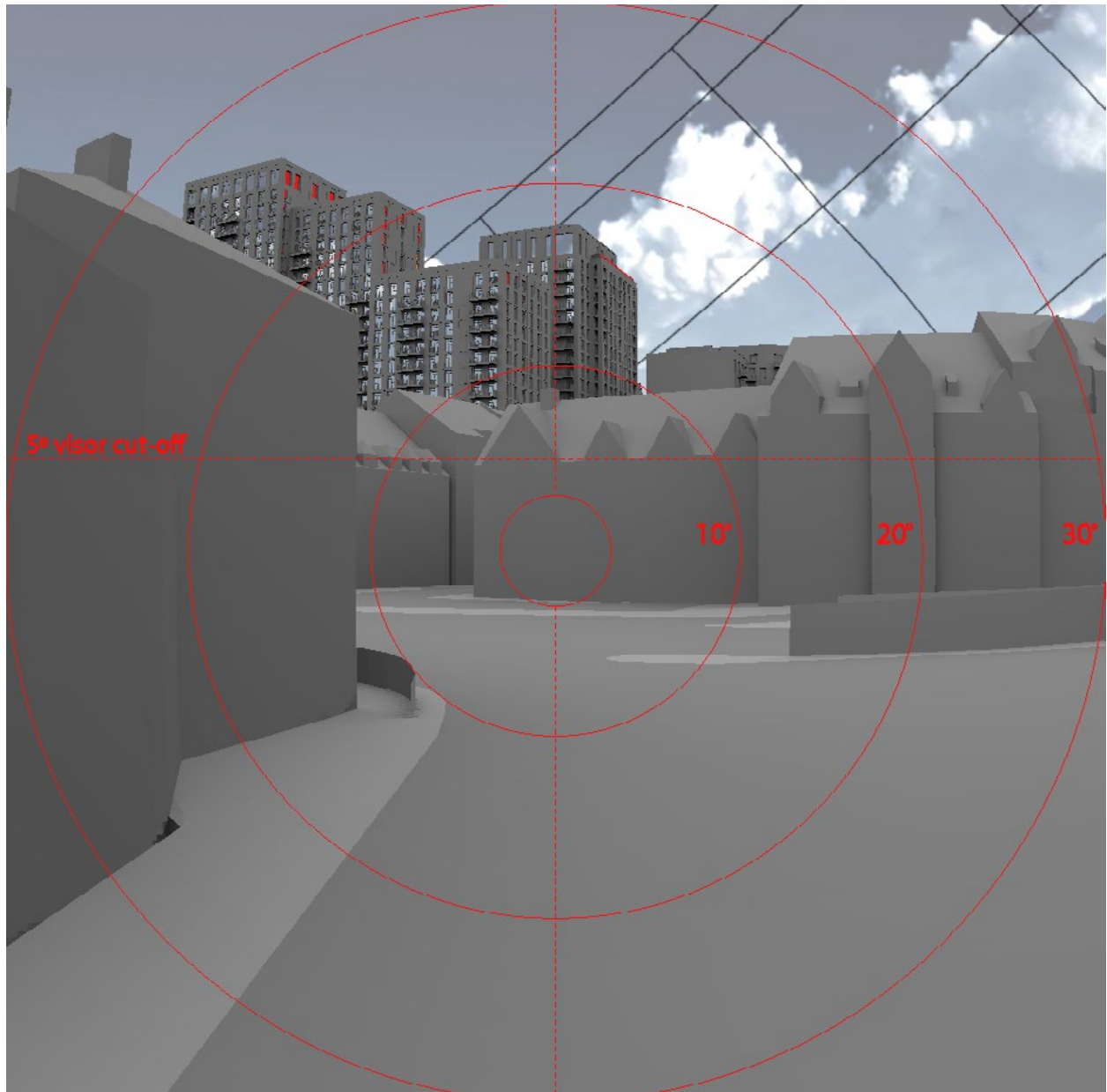


Fig. 69: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
STANSHAW RD - SR1

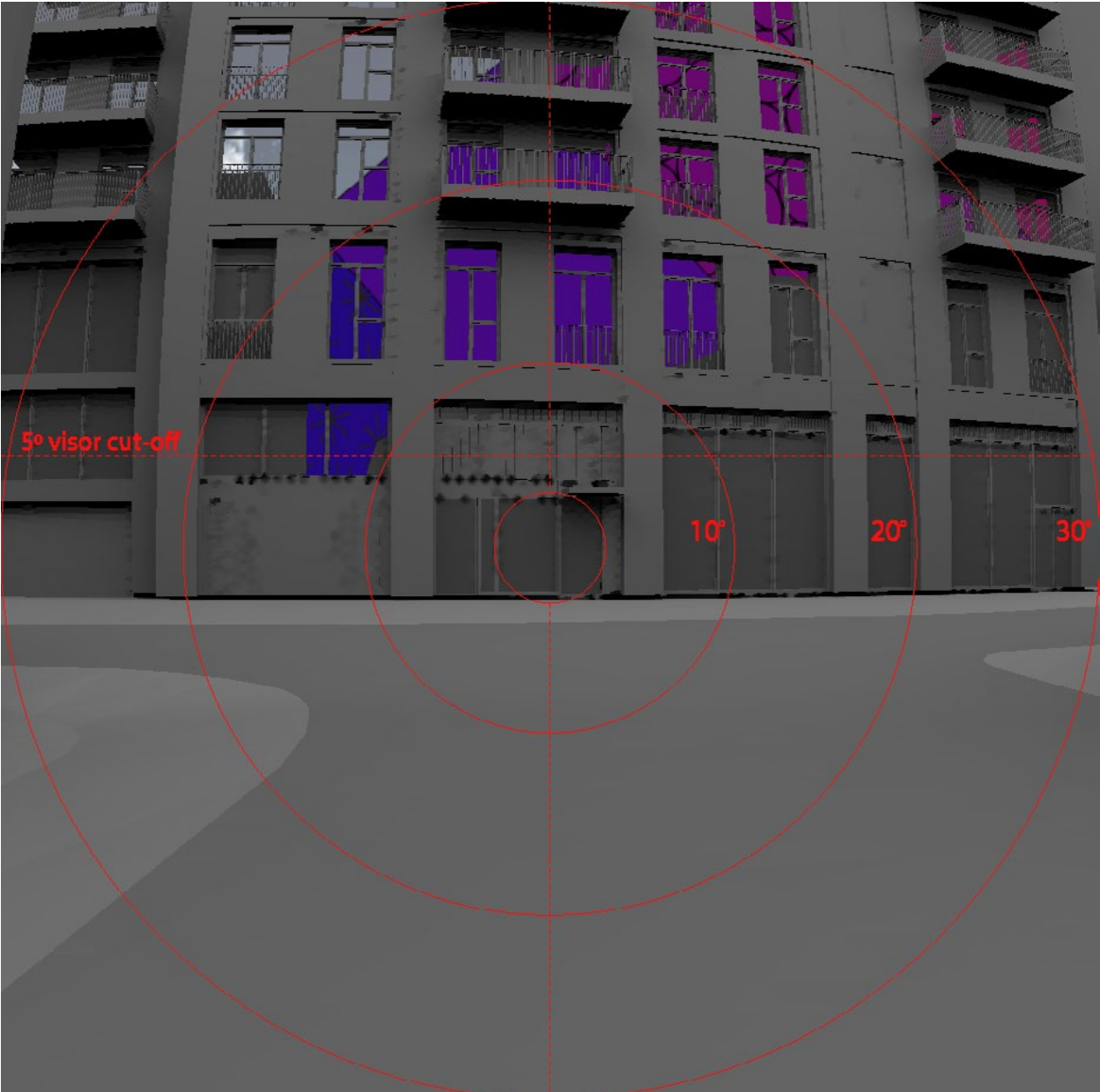
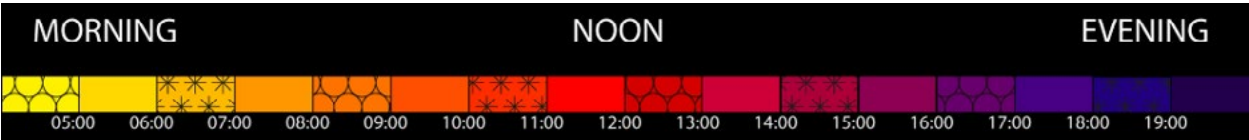


Fig. 70: Solar reflections



60° FIELD OF VIEW: SEASON
 STANSHAW RD - SR1

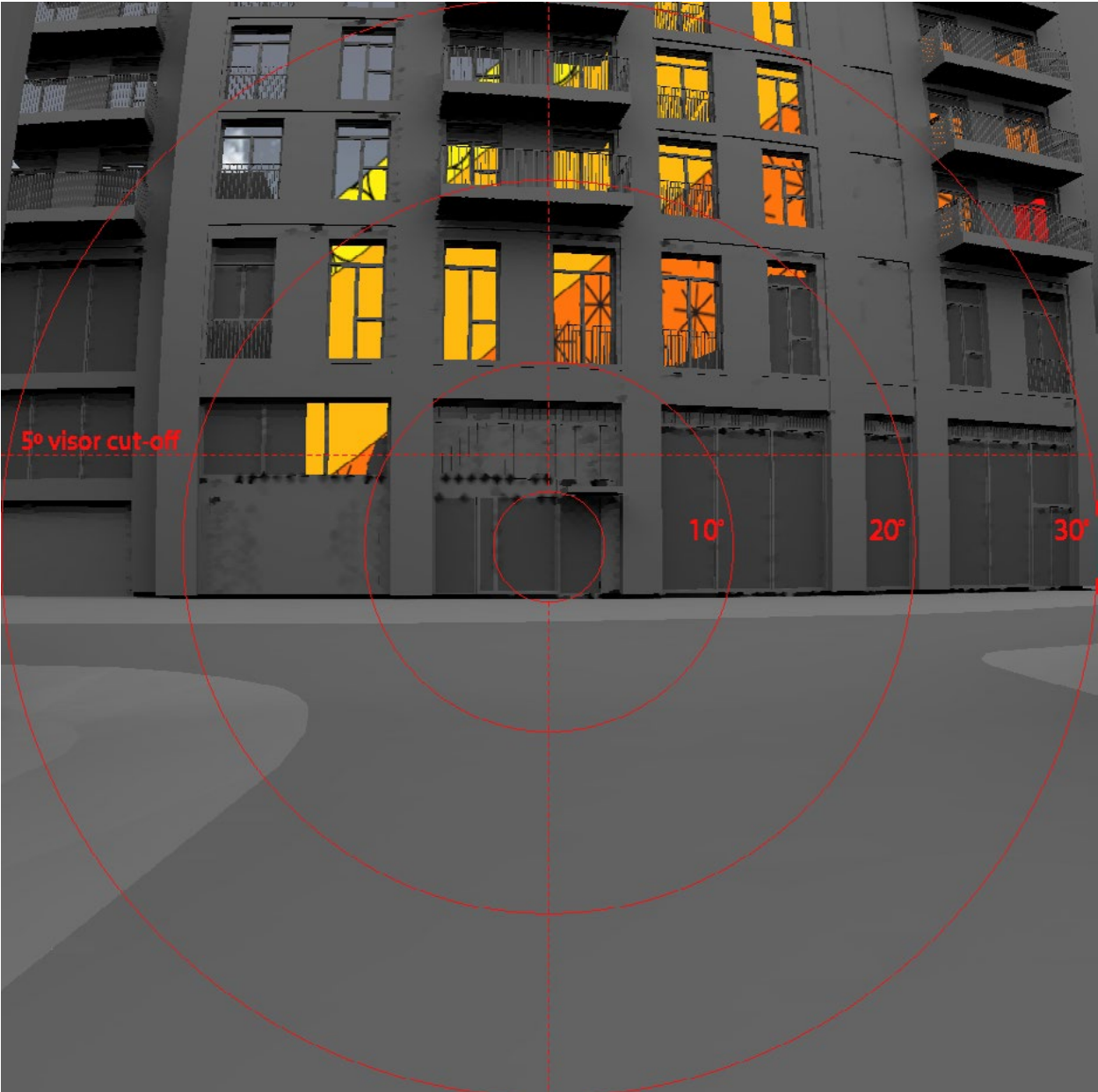


Fig. 71: Solar reflections





What we do:

Building Surveying
Daylight & Sunlight
Light Obstruction Notices
Measured Surveys
Party Wall & Neighbourly Matters
Rights of Light
Solar PV
Wind Analysis

Where we are:

Belfast
Birmingham
Bristol
Dublin
London
Manchester