



Unlocking potential for a better built environment

APPENDIX 11.2

SOLAR GLARE ASSESSMENT

Plot C, Sister Manchester

22 April 2025

GIA No: **21766**

PROJECT DATA:

Client **ID Manchester Limited and University of Manchester**
Architect **Allies and Morrison**
Project Title **Plot C, Sister Manchester**
Project Number **21766**

REPORT DATA:

Report Title **Solar Glare Assessment**
GIA Department **APPENDIX 11.2**
Dated **22 April 2025**

Prepared by **KB**
Checked by **KS/VT**
Type **ES Appendix**

Revisions	No:	Date:	Notes:	Signed:

DISCLAIMER:

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SOURCES OF INFORMATION:

Information Received **IR-13-21766**
Release Number **Rel_05_21766_DSD**
Issue Number **01**
Site Photos **GIA**
3D models **VU.CITY**
OS Data **FIND Maps**



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1 SCENARIO OVERVIEW

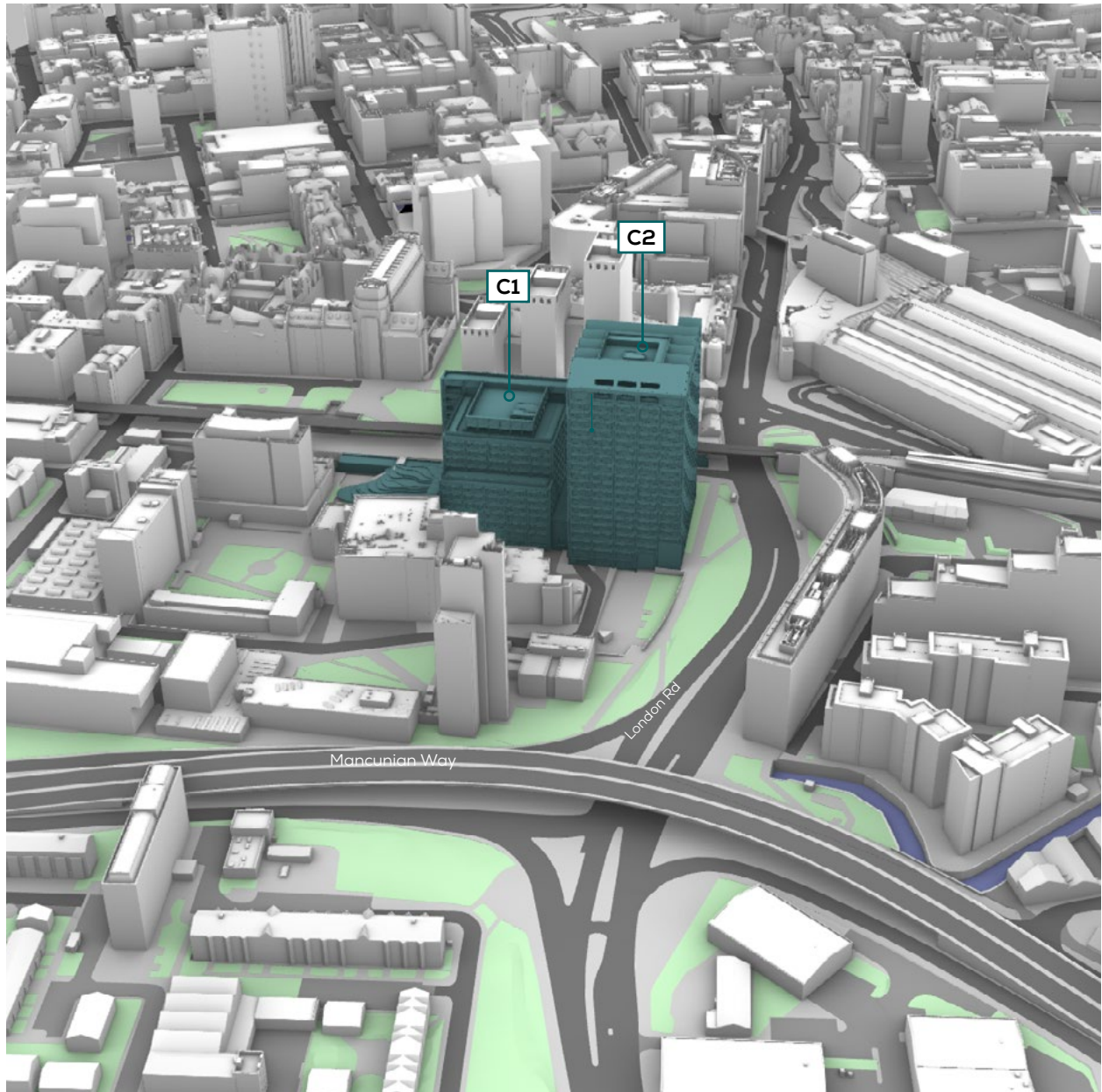


Fig. 01: Perspective View

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2 VIEWPOINTS

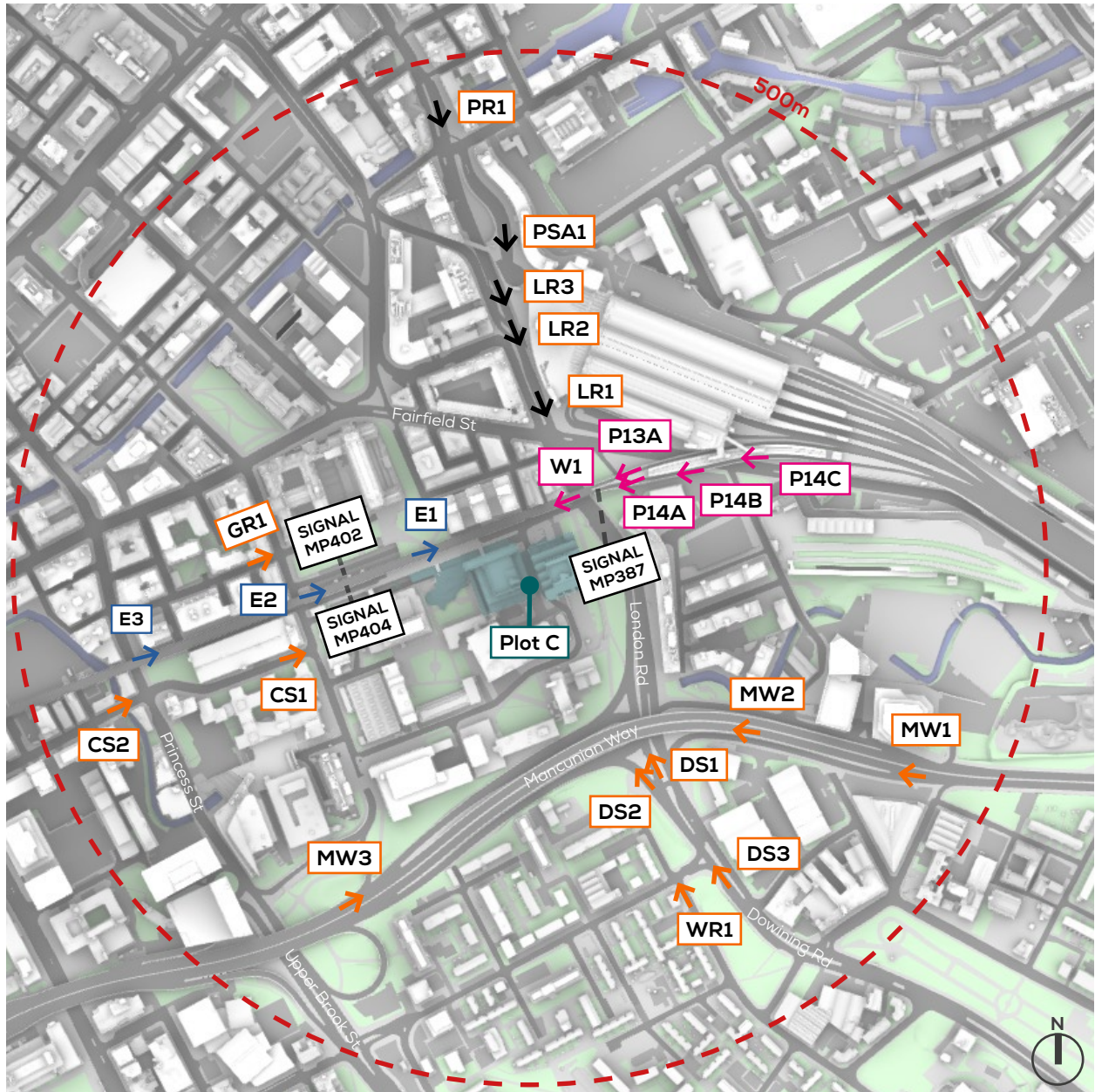


Fig. 02: Site Plan - Viewpoints

- Reflections visible within 30° at the sensitive location from the road
- Reflections not visible within 30° at the sensitive location from the road
- Train Track - Westbound direction (W)
- Train Track - Eastbound direction (E)
- - 500m radius

* Train signals are assumed based on observations from Google Maps and Bing Maps

ROAD VIEWPOINTS	
LR	London Rd
PR	Piccadilly Rd
PSA	Piccadilly Station Approach
MW	Mancunian Way
DS	Downing St
WR	Wadeson Rd
CS	Charles St
GR	Granby Row

TRAIN VIEWPOINTS	
E	Eastbound
W	Westbound
P13	Westbound Platform 13 views
P14	Westbound Platform 14 views

3 SOLAR GLARE ASSESSMENT

60° FIELD OF VIEW: TIME OF DAY
LONDON ROAD VIEW 1- LR 1

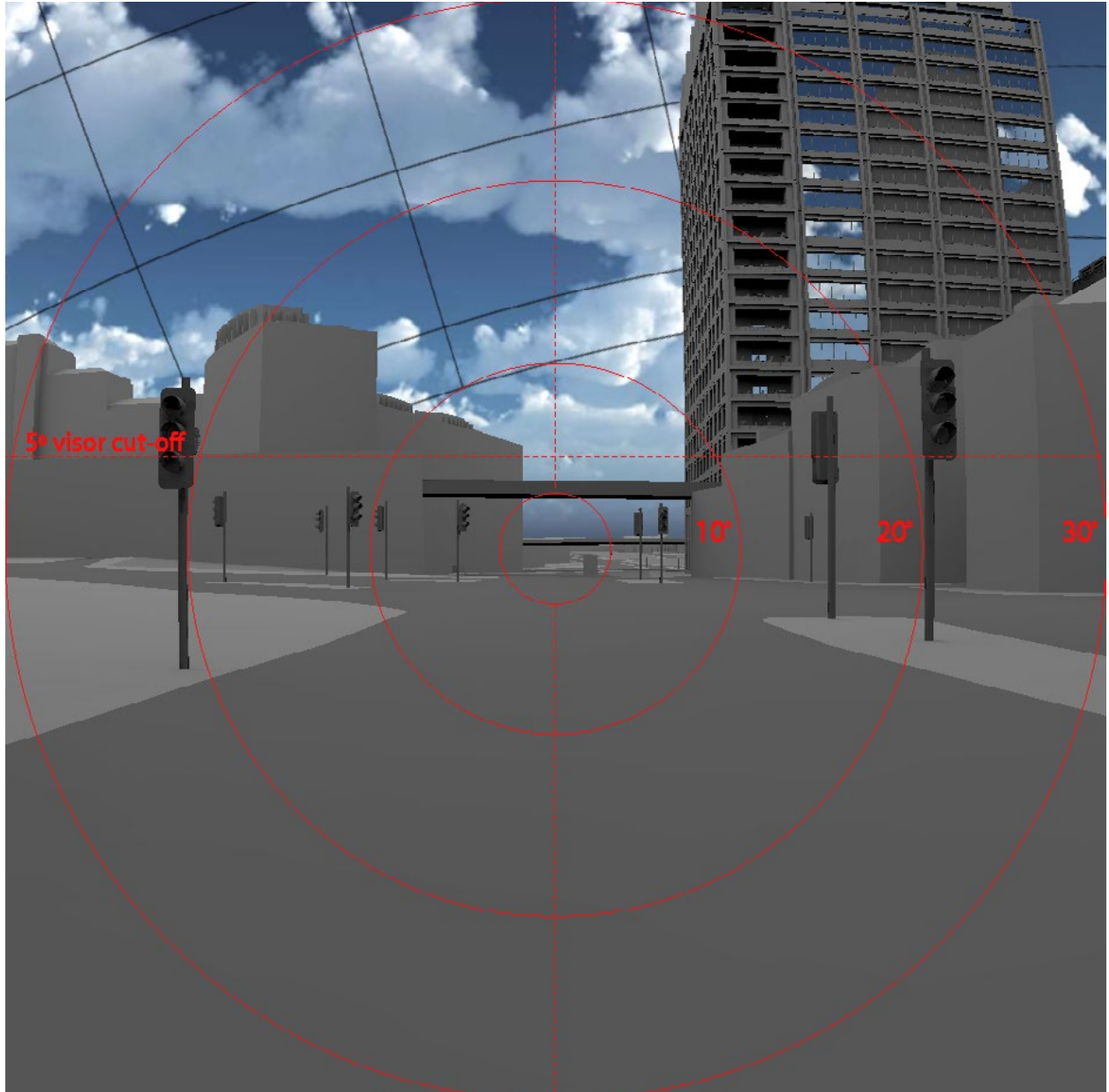
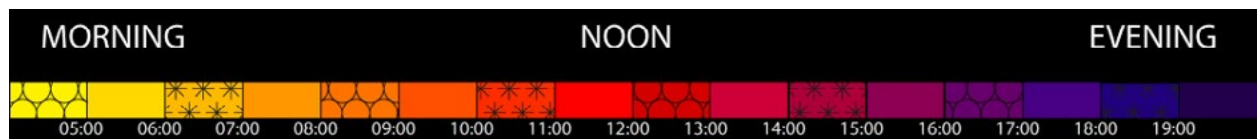


Fig. 03: Solar reflections



STREET VIEW IMAGE -AUGUST 2023
(GOOGLE MAPS)

60° FIELD OF VIEW: SEASON
LONDON ROAD VIEW 1 - LR 1

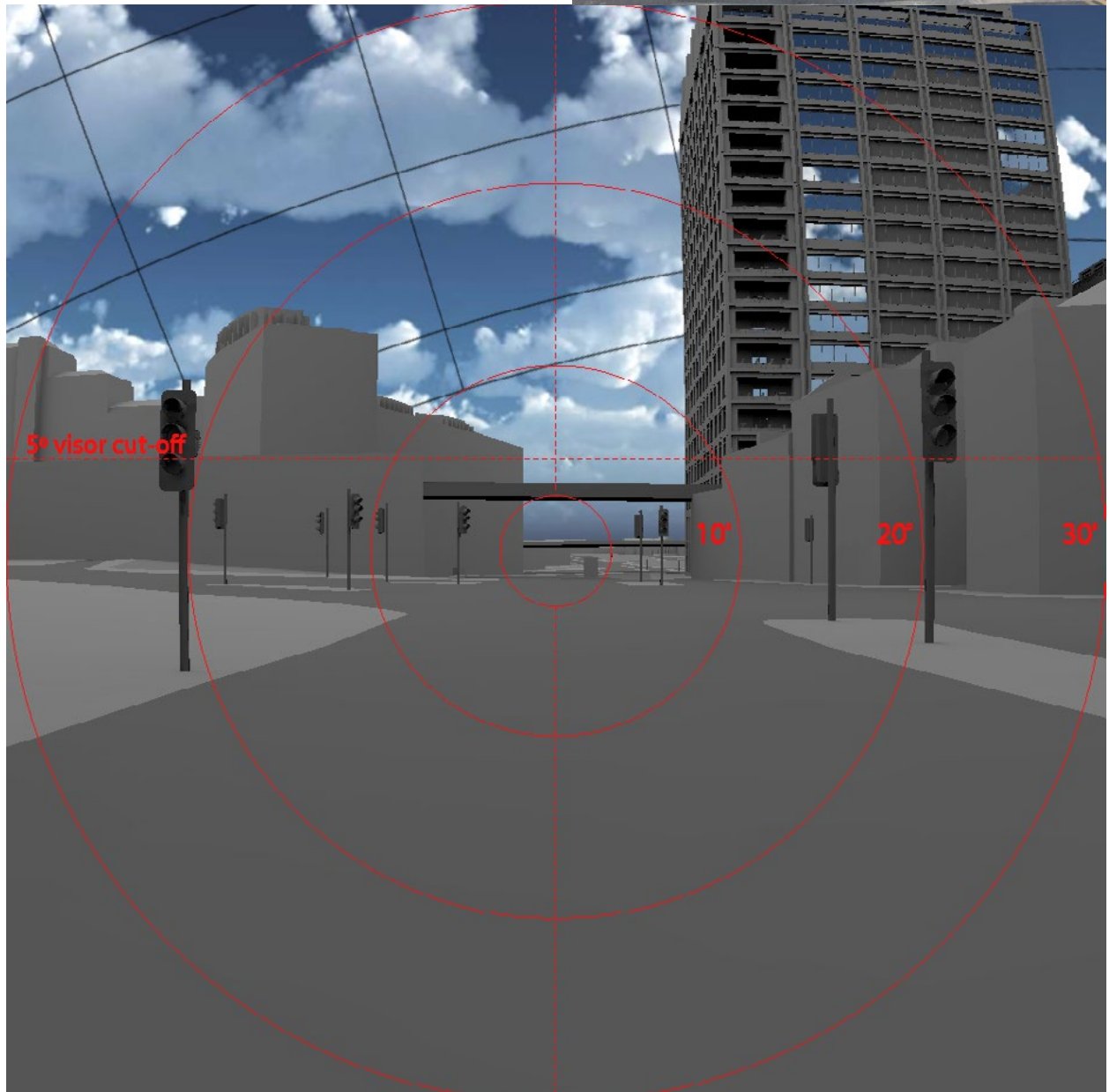


Fig. 04: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
LONDON ROAD VIEW 2- LR 2

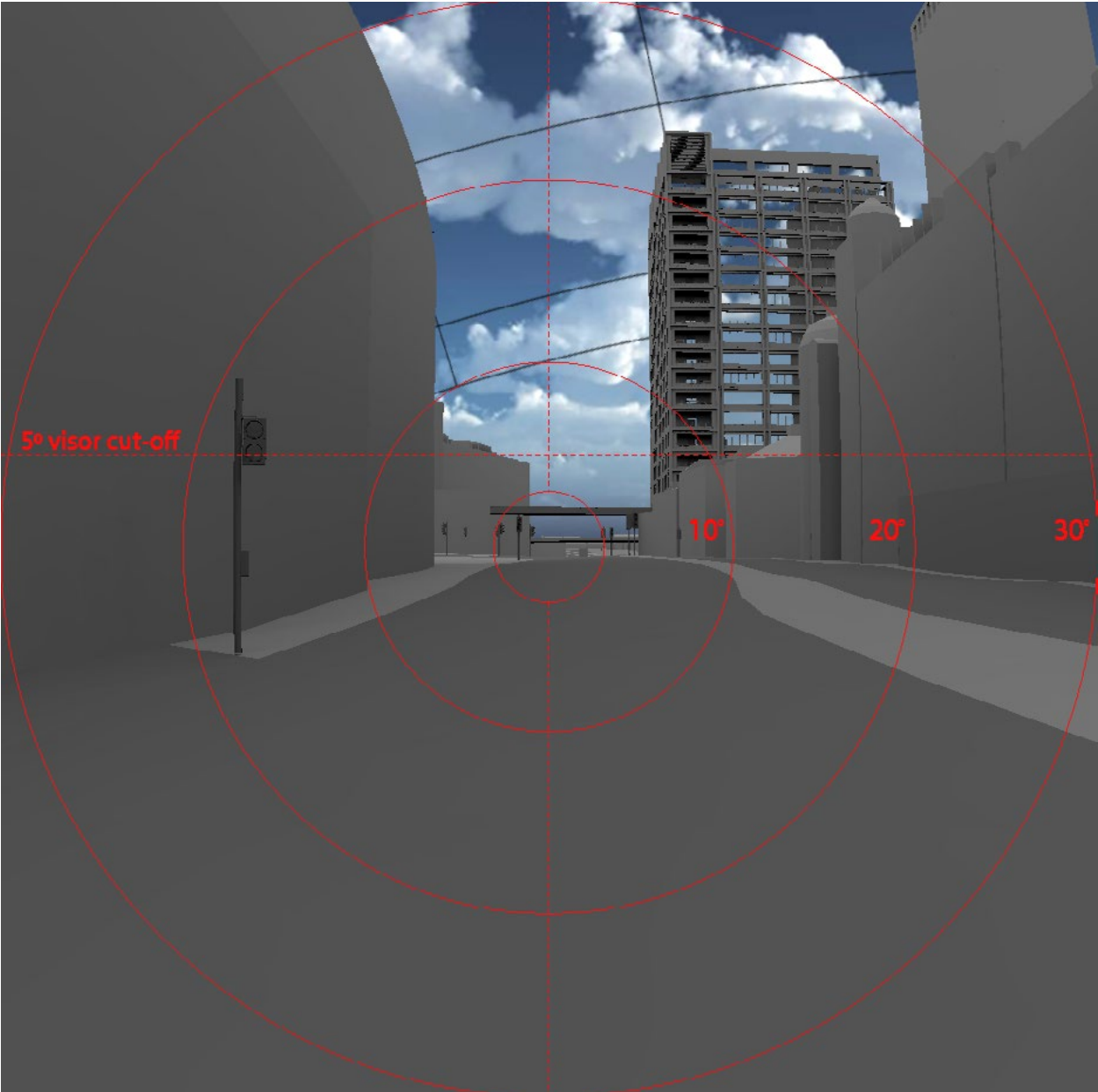
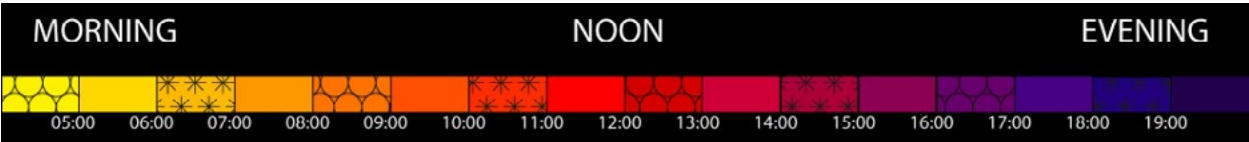


Fig. 05: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2021
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
LONDON ROAD VIEW 2- LR 2

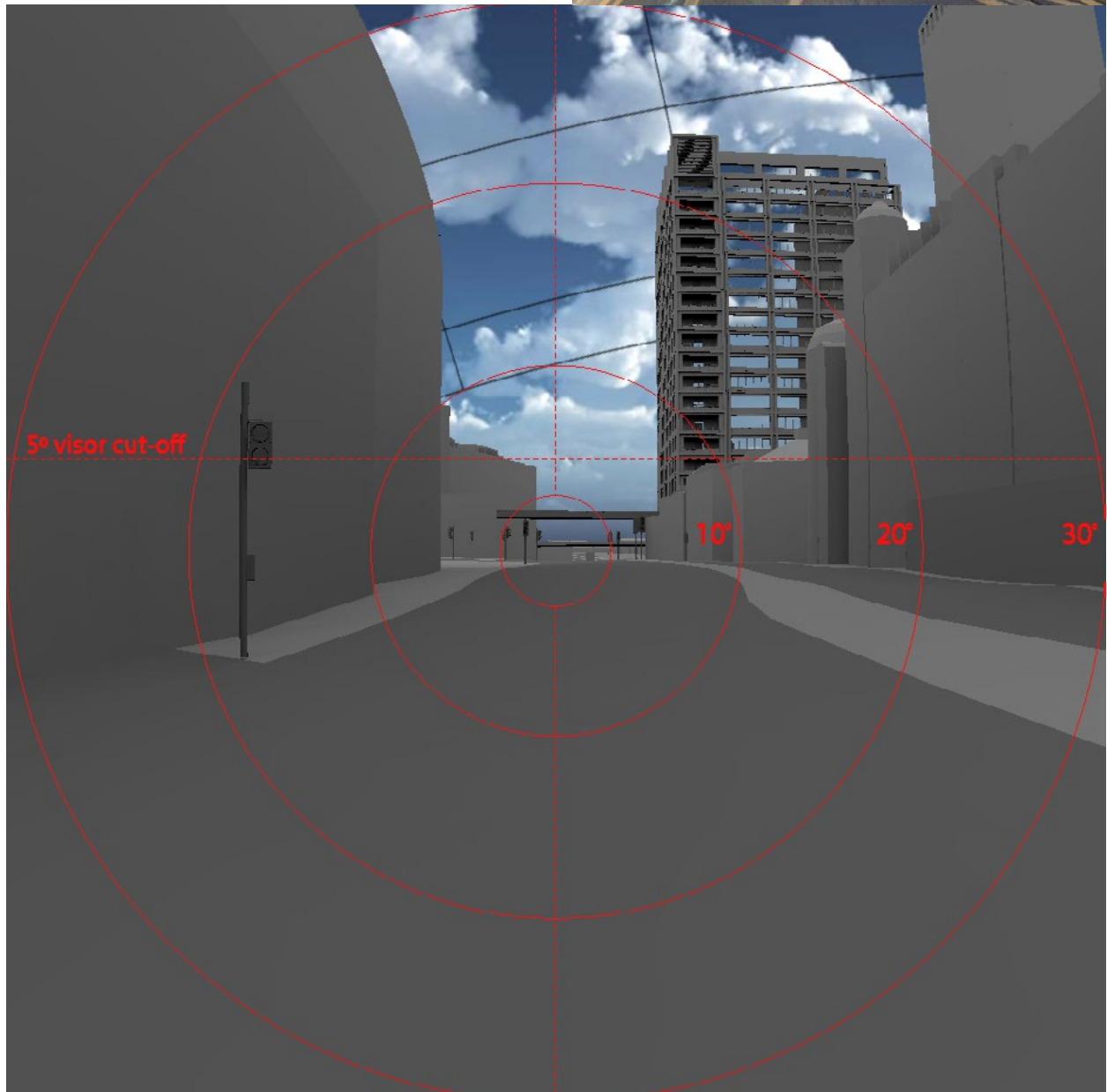


Fig. 06: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
LONDON ROAD VIEW 3- LR 3

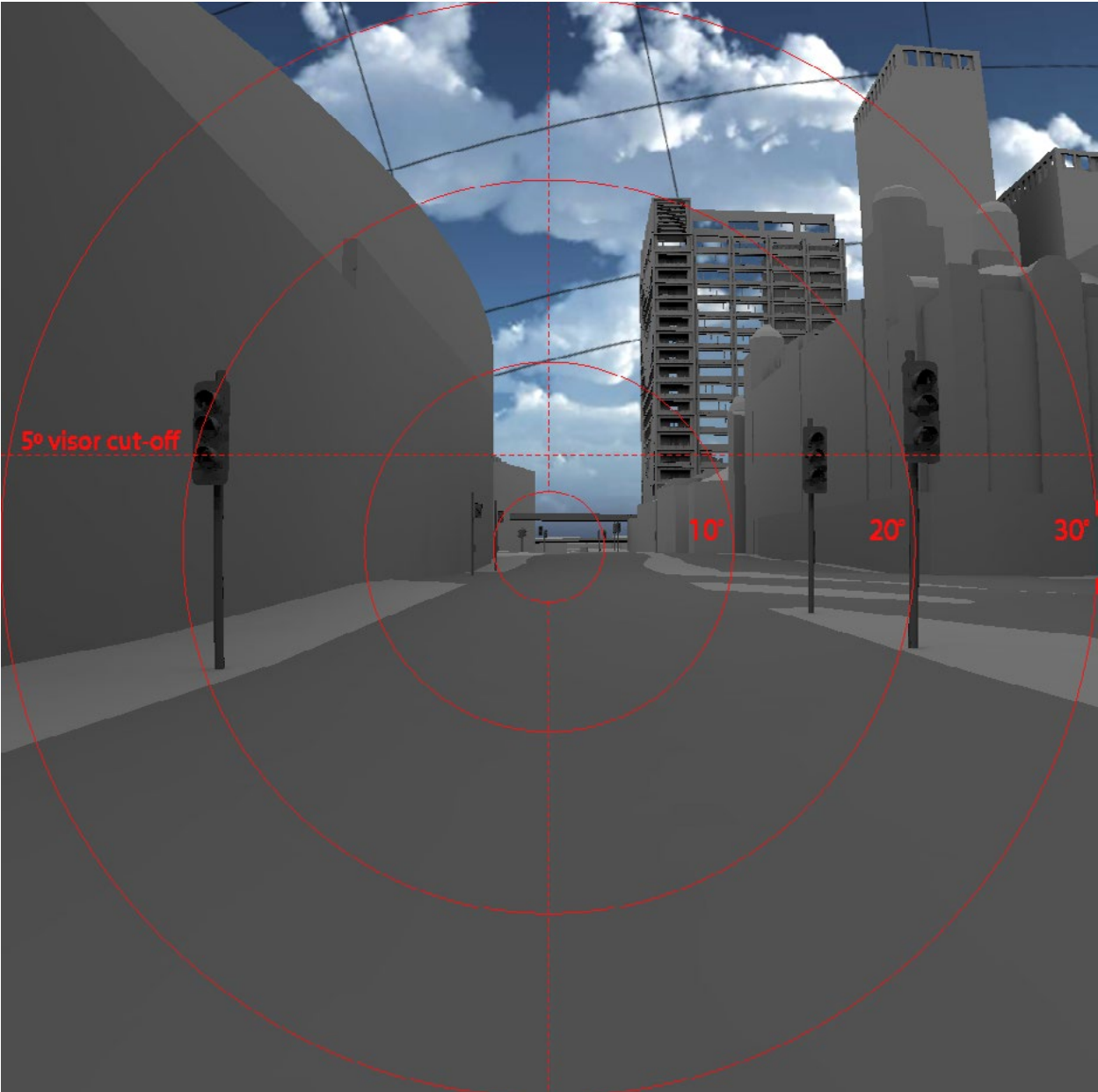
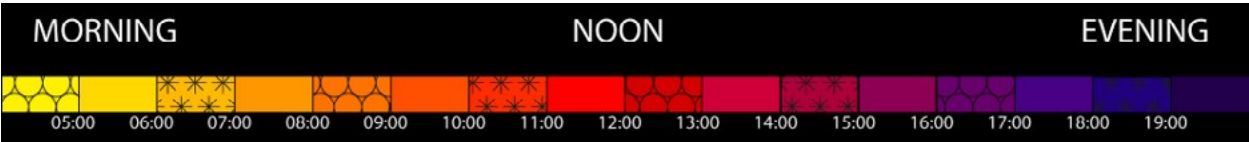


Fig. 07: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2023
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
LONDON ROAD VIEW 3- LR 3

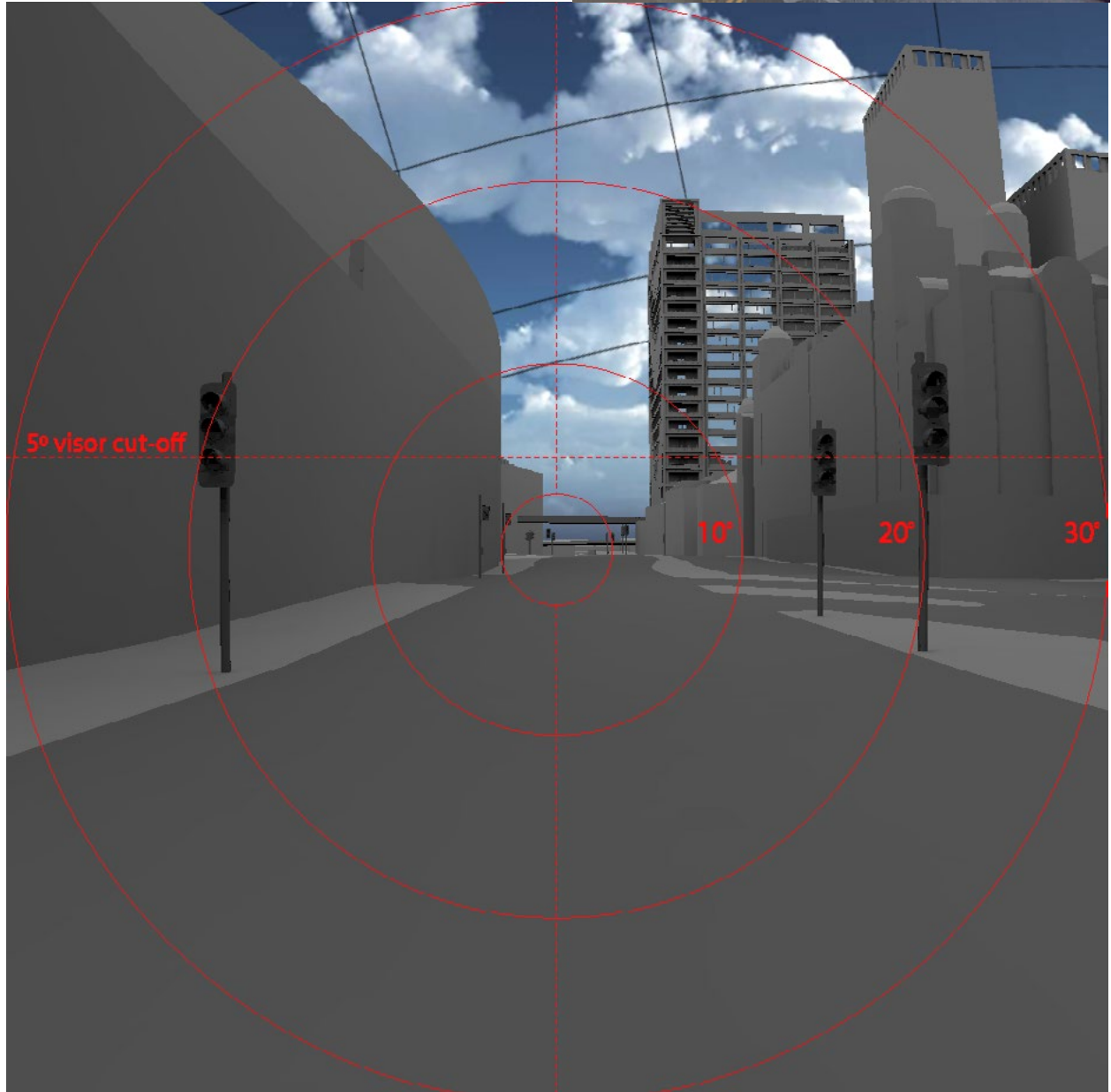


Fig. 08: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
PICCADILLY ROAD VIEW- PR 1

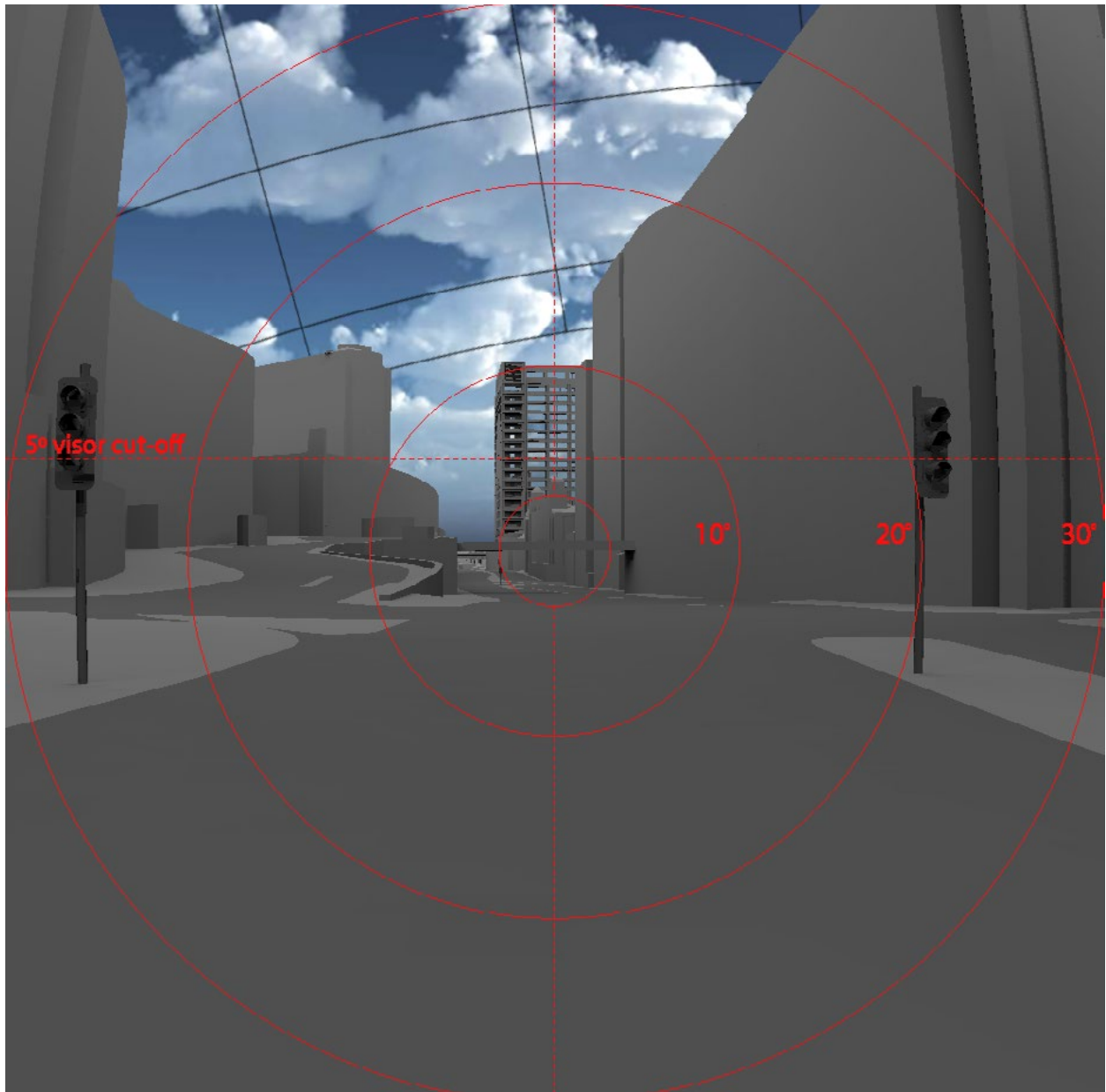
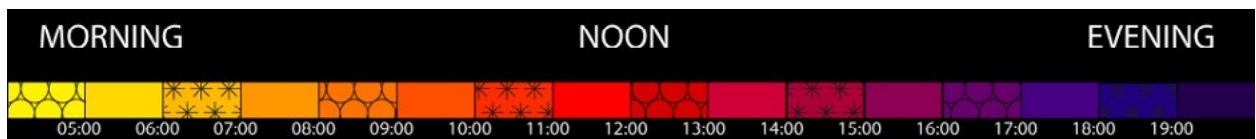


Fig. 09: Solar reflections



STREET VIEW IMAGE -JUNE 2023
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
PICCADILLY ROAD VIEW- PR 1

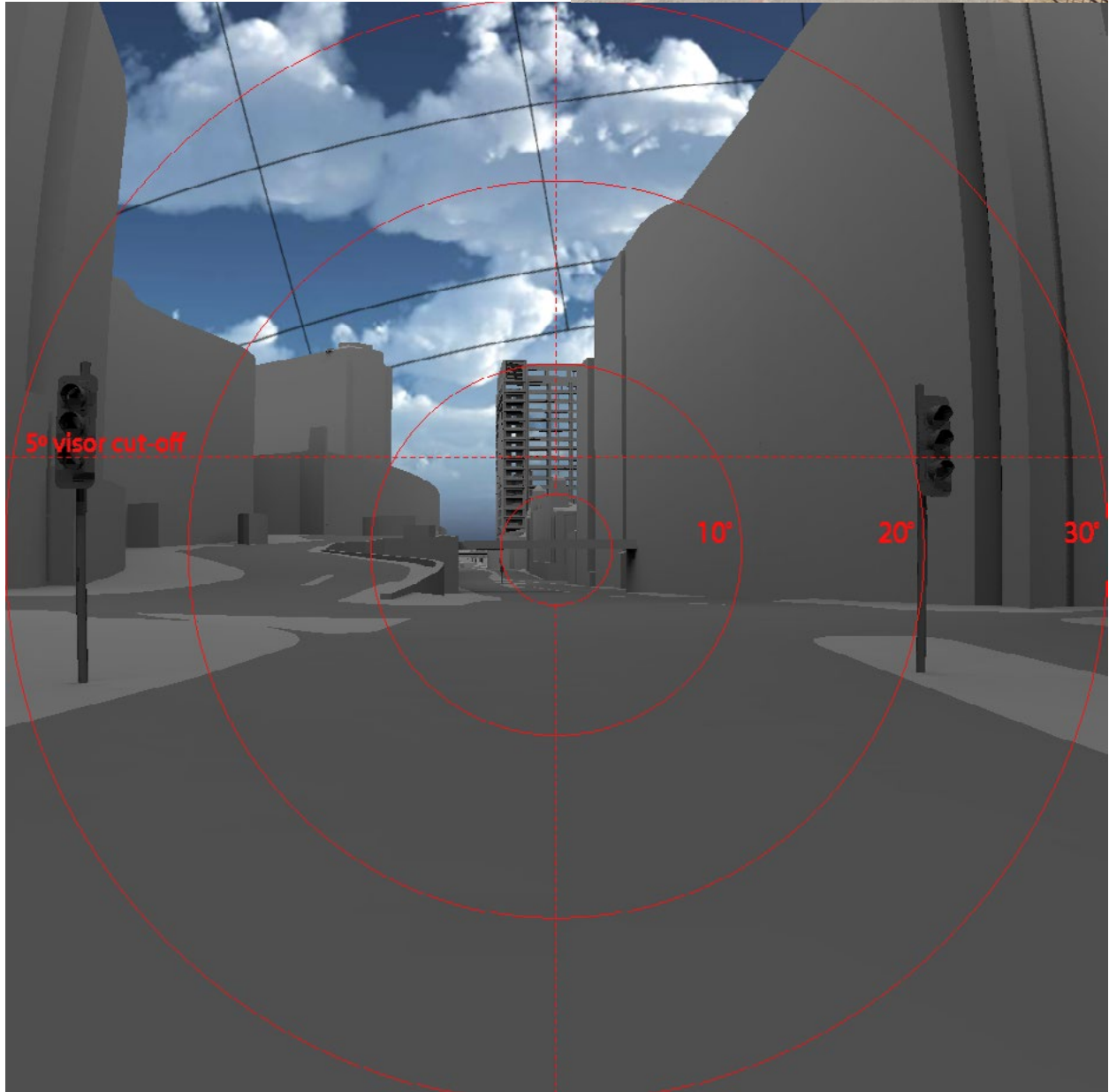


Fig. 10: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
PICCADILLY STATION APPROACH- PSA 1

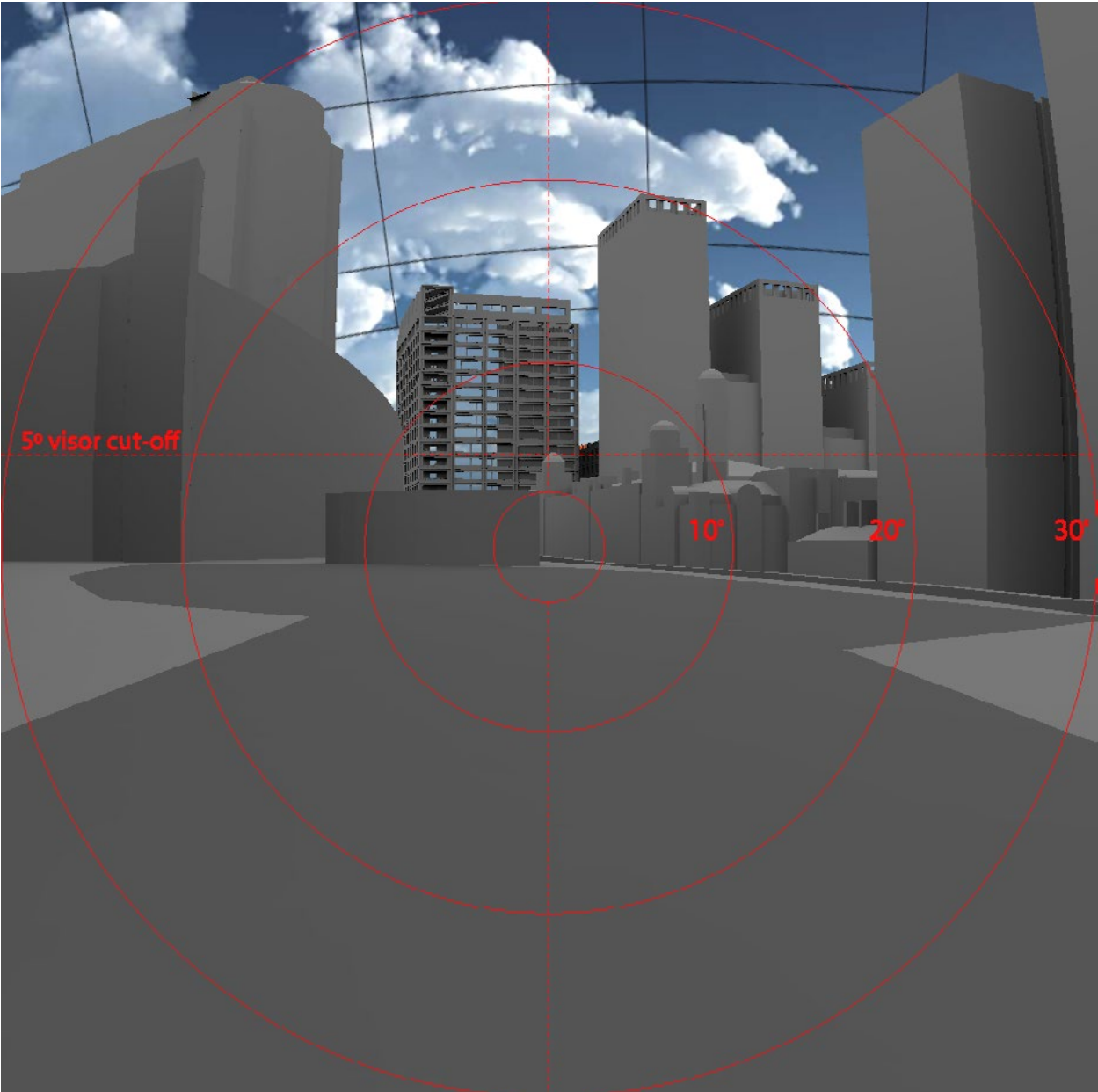
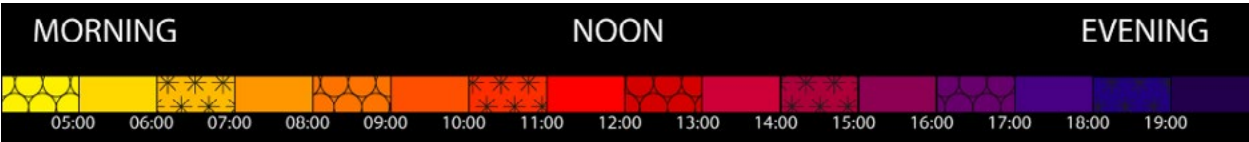
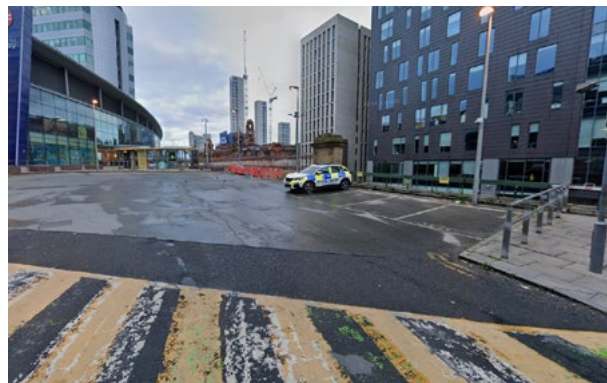


Fig. 11: Solar reflections



STREET VIEW IMAGE -JULY 2024
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
PICCADILLY STATION APPROACH- PSA 1

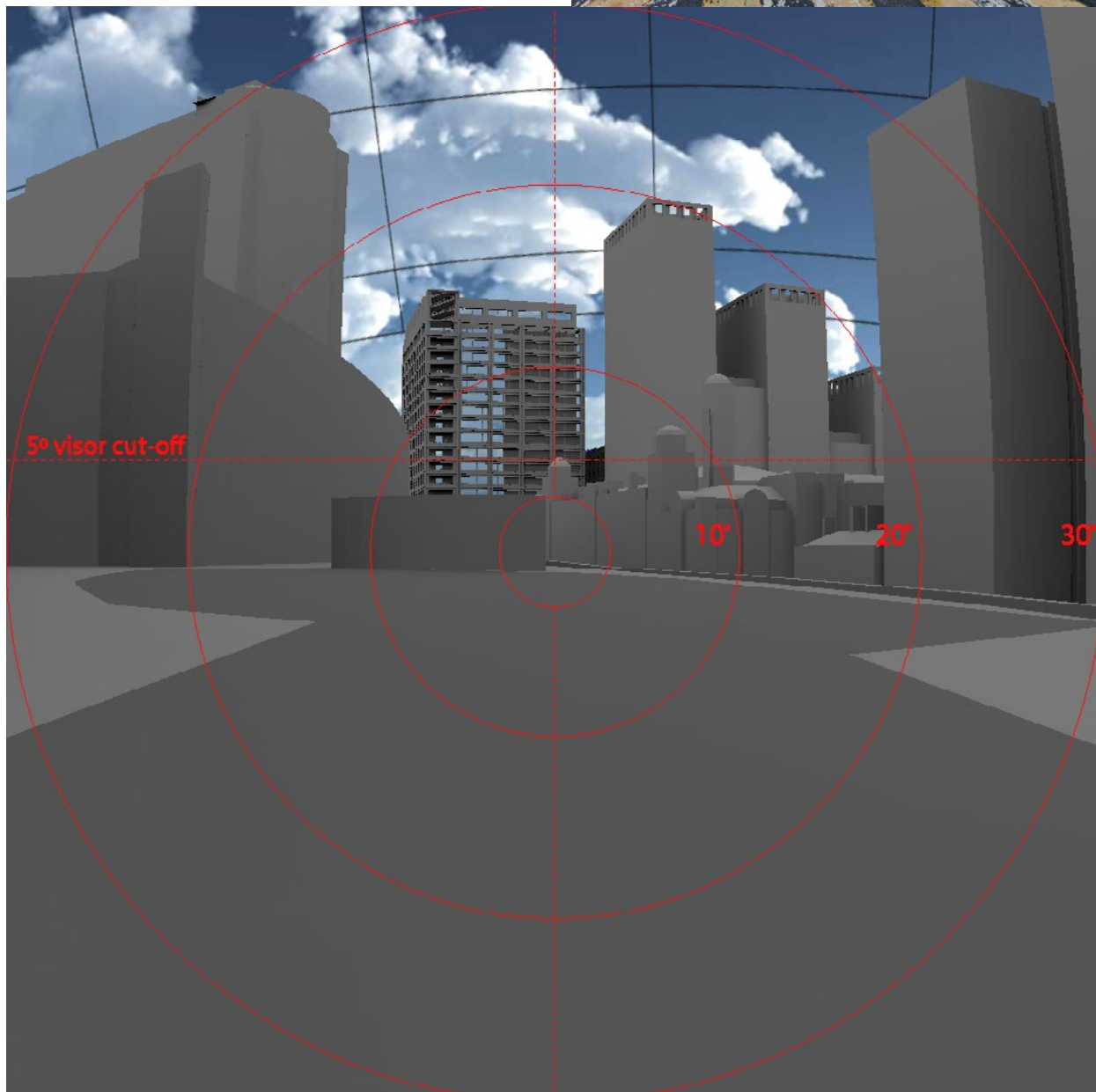


Fig. 12: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
MANCUNIAN WAY VIEW 1- MW1

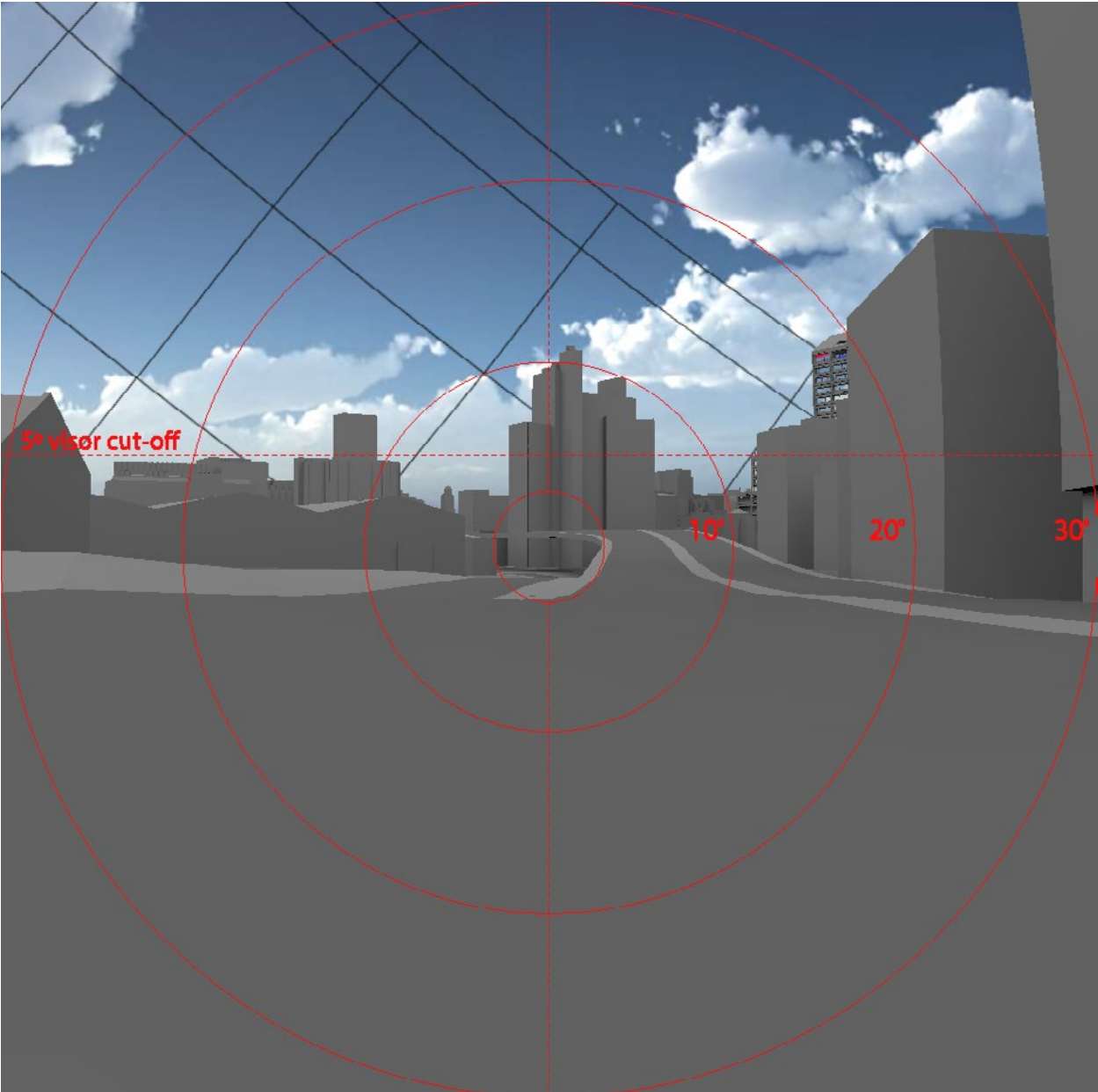
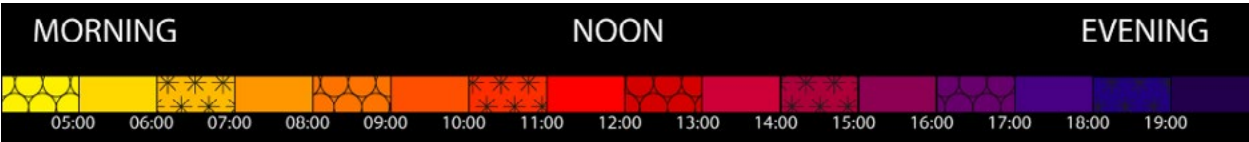


Fig. 13: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2024
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
MANCUNIAN WAY VIEW 1- MW1

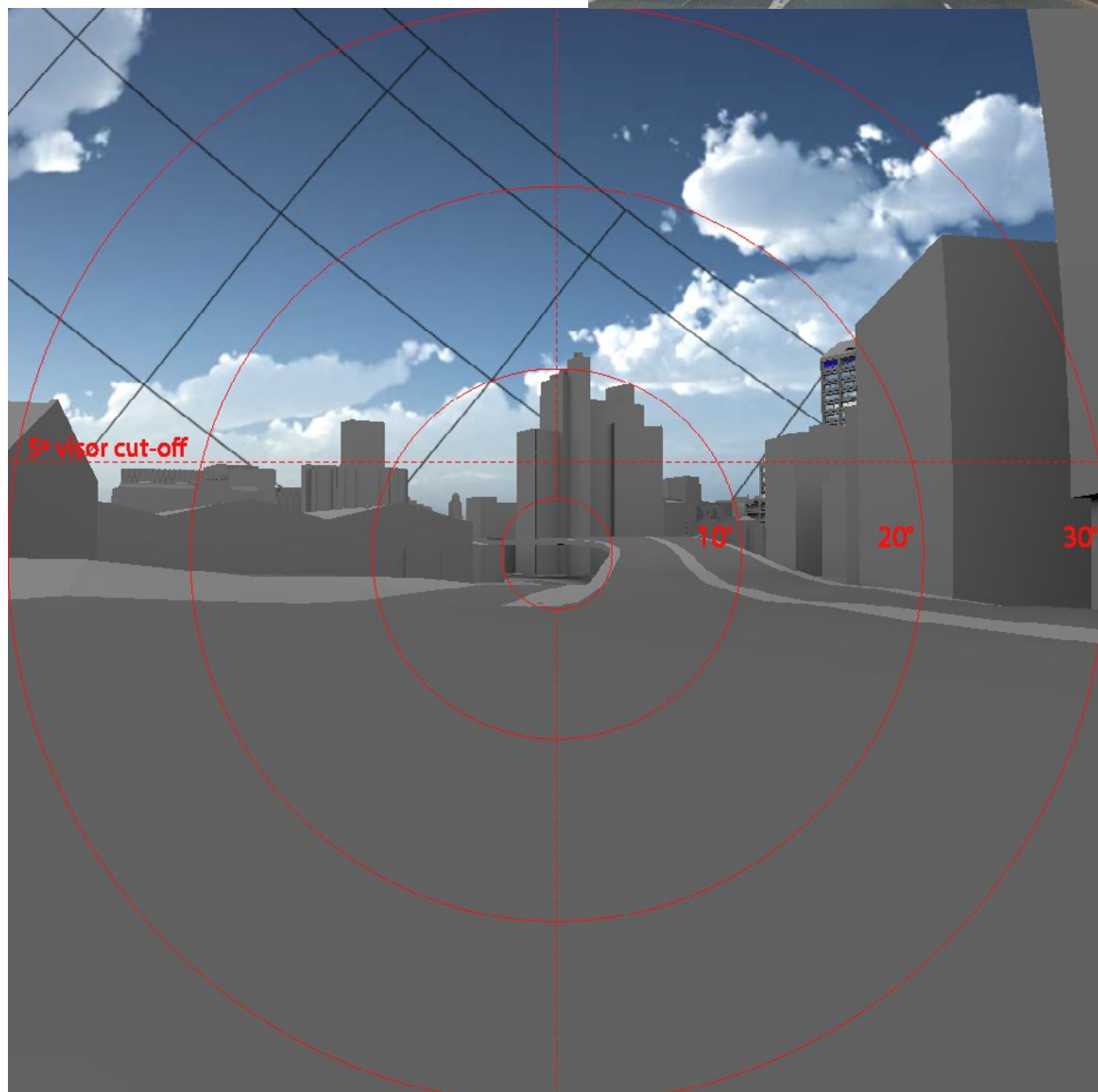


Fig. 14: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
MANCUNIAN WAY VIEW 2- MW2

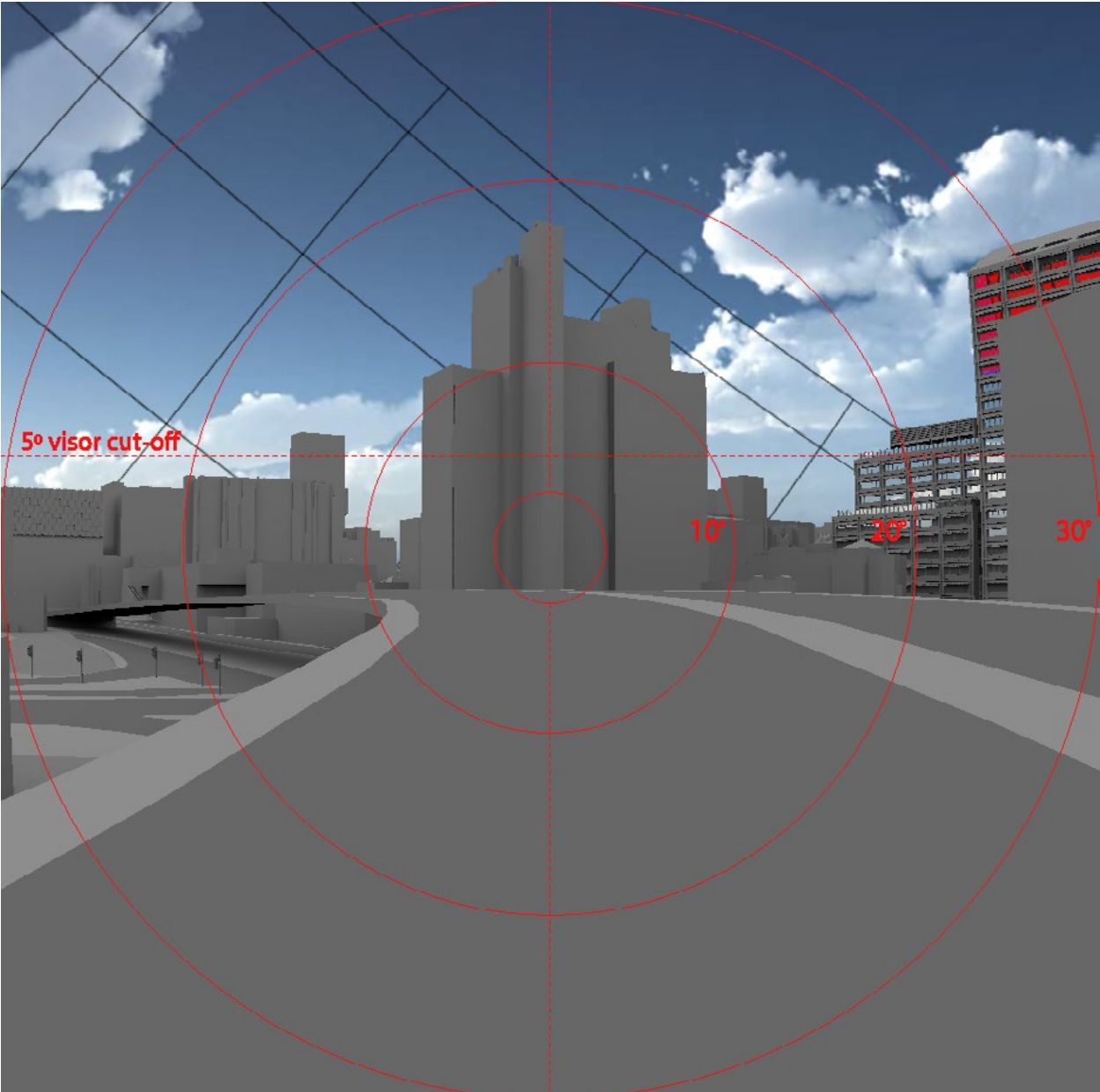
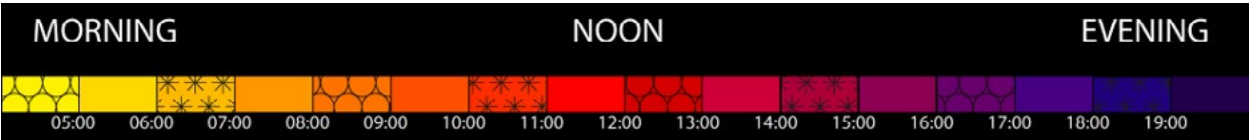


Fig. 15: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2024
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
MANCUNIAN WAY VIEW 2- MW2

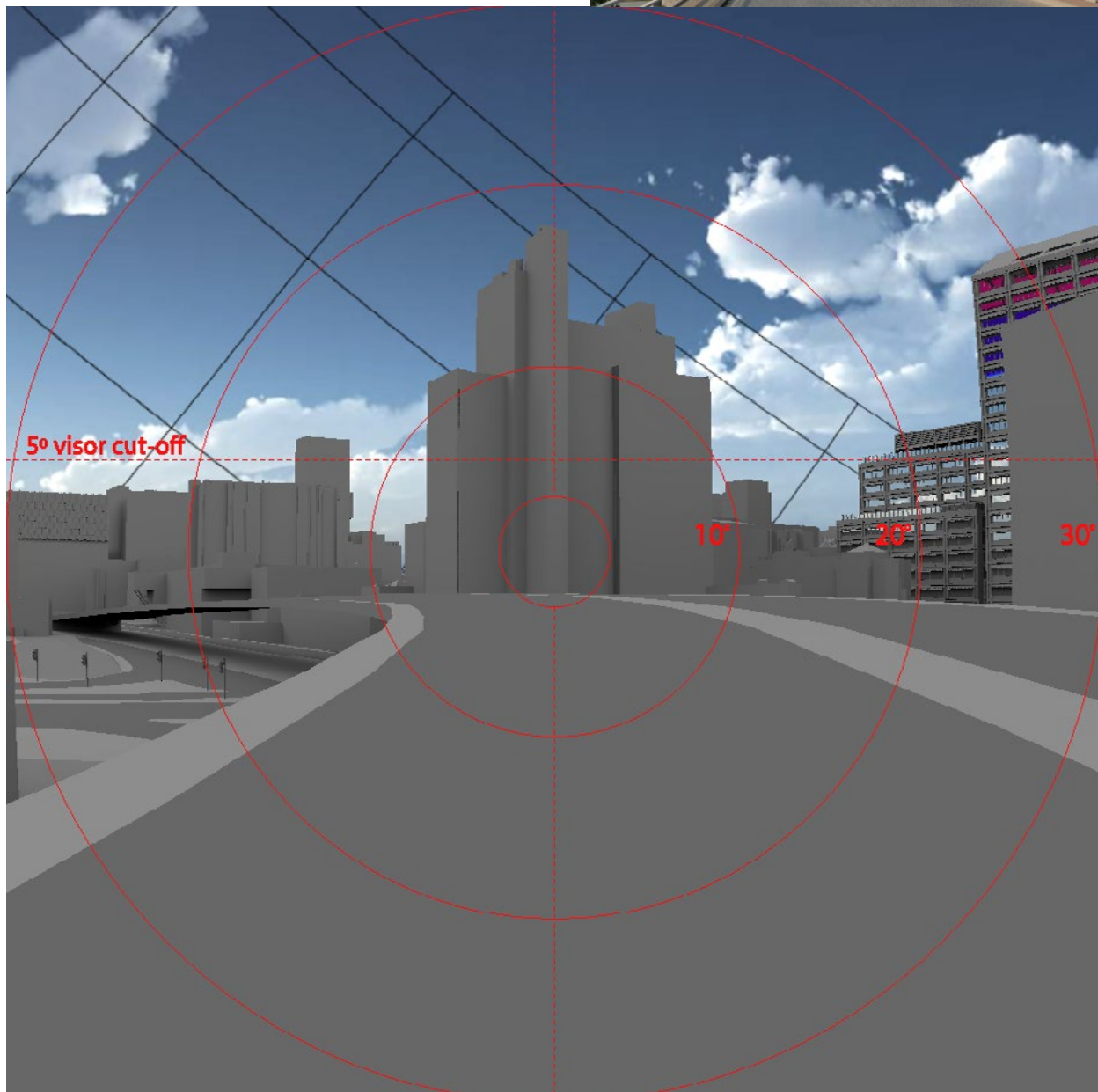


Fig. 16: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
DOWNING STREET VIEW 1- DS1

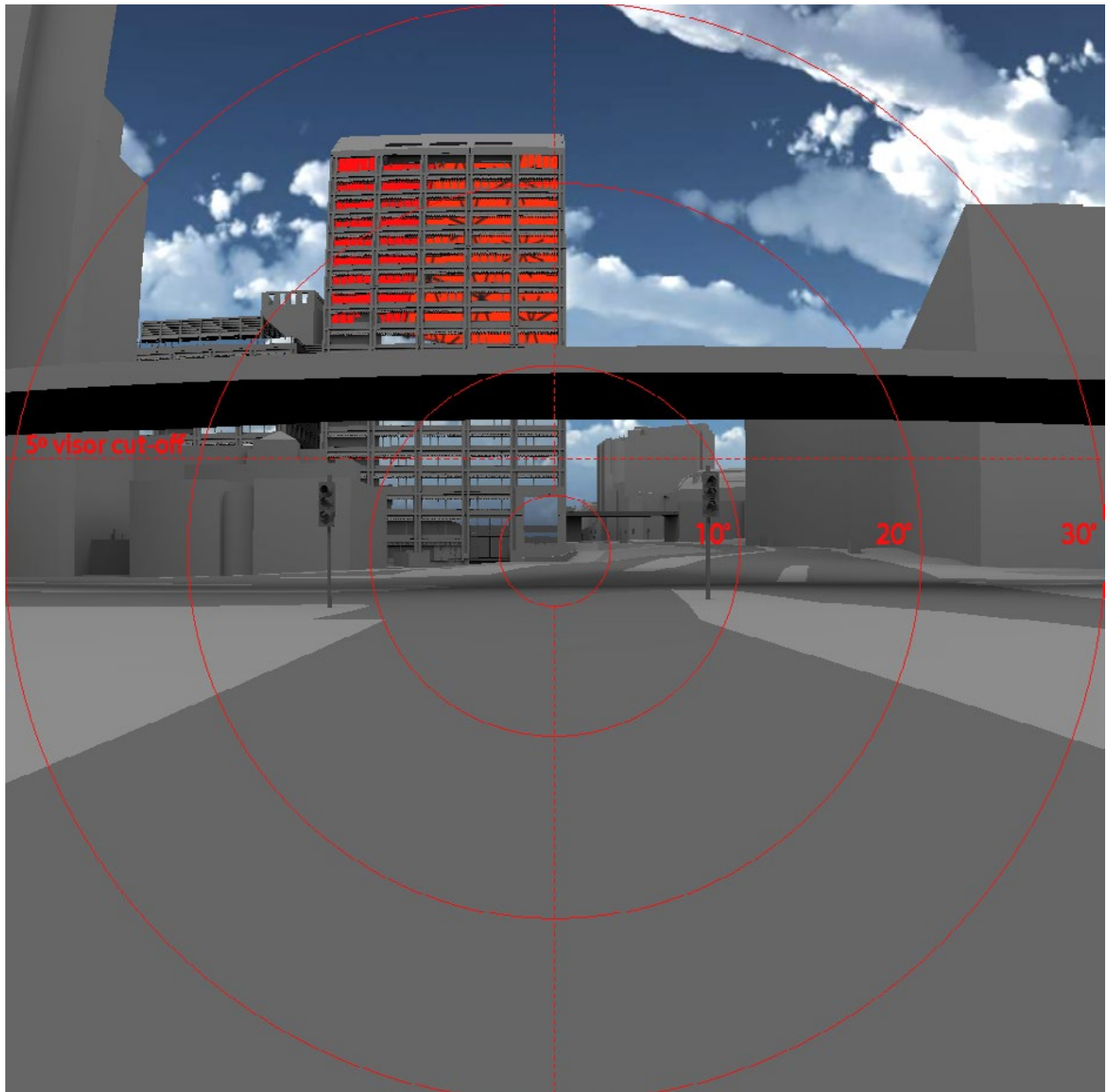
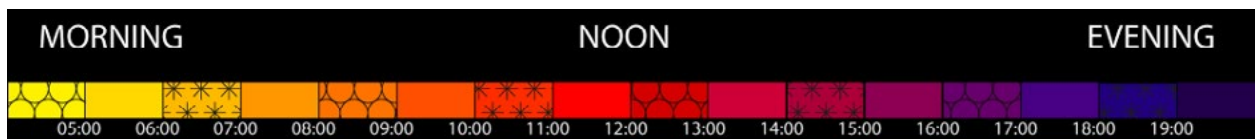


Fig. 17: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2023
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
DOWNING STREET VIEW 1- DS1

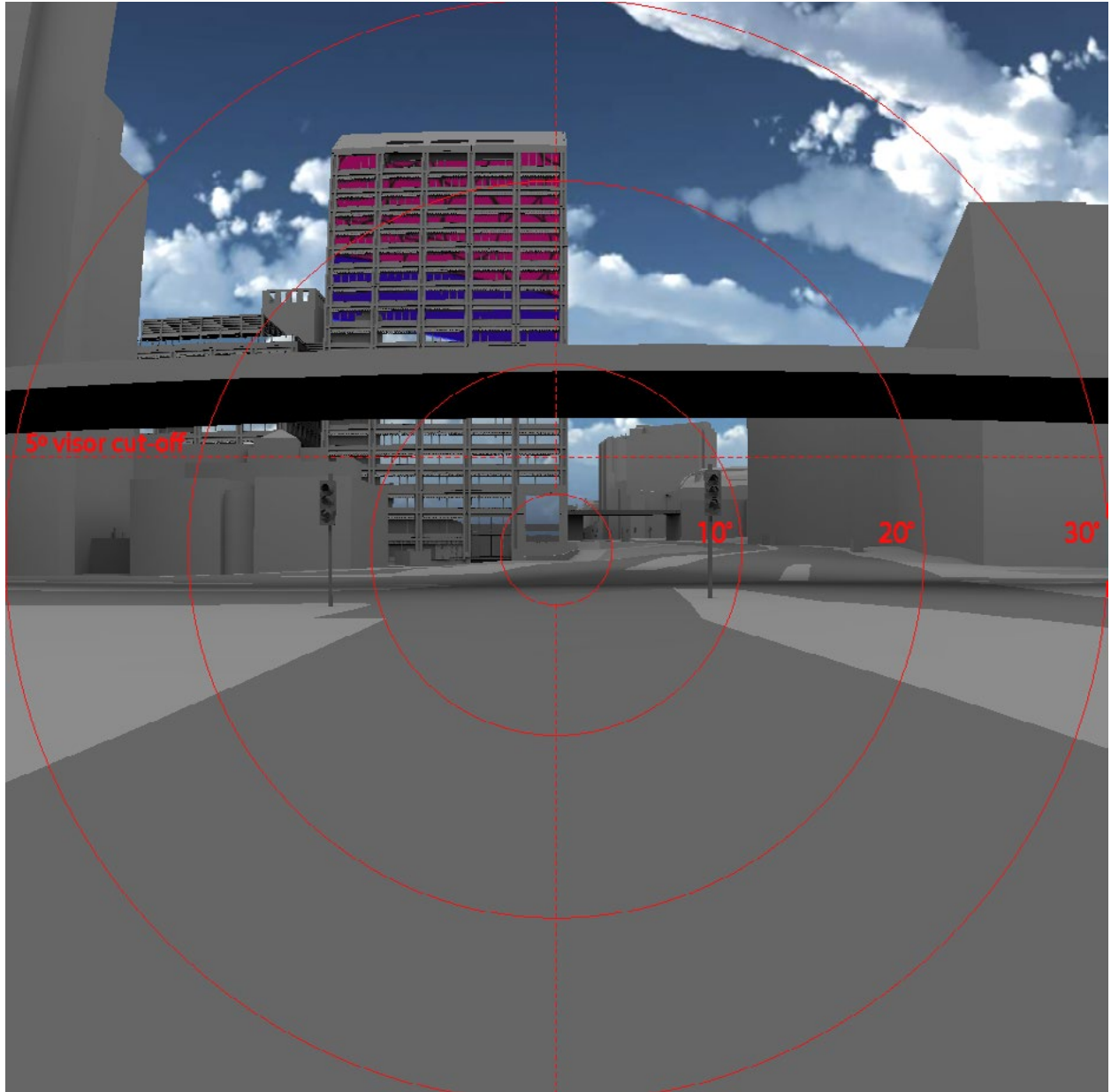


Fig. 18: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
DOWNING STREET VIEW 2- DS2

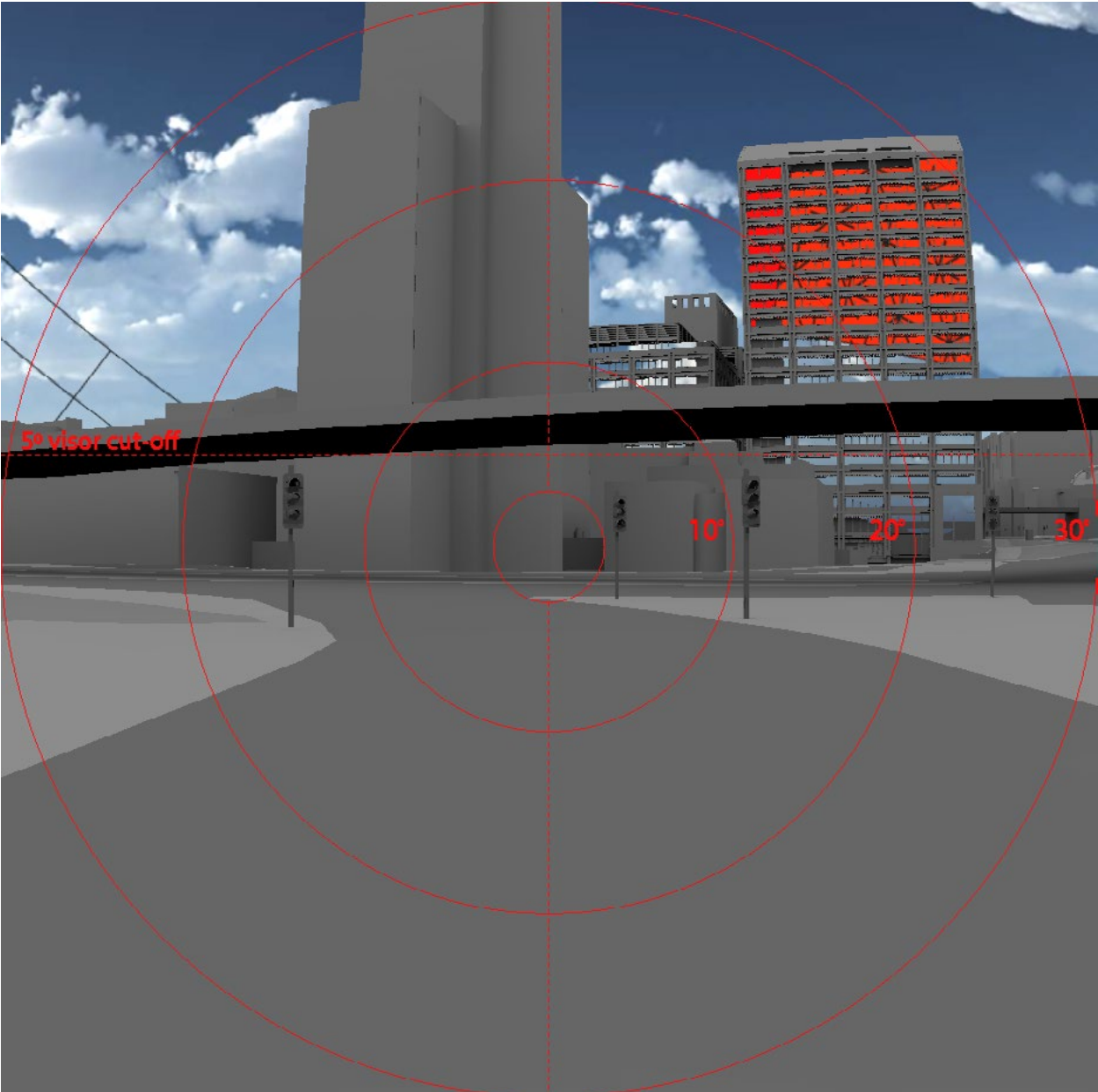
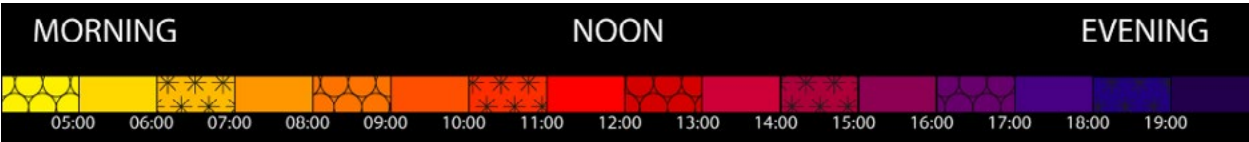


Fig. 19: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2023
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
DOWNING STREET VIEW 2- DS2

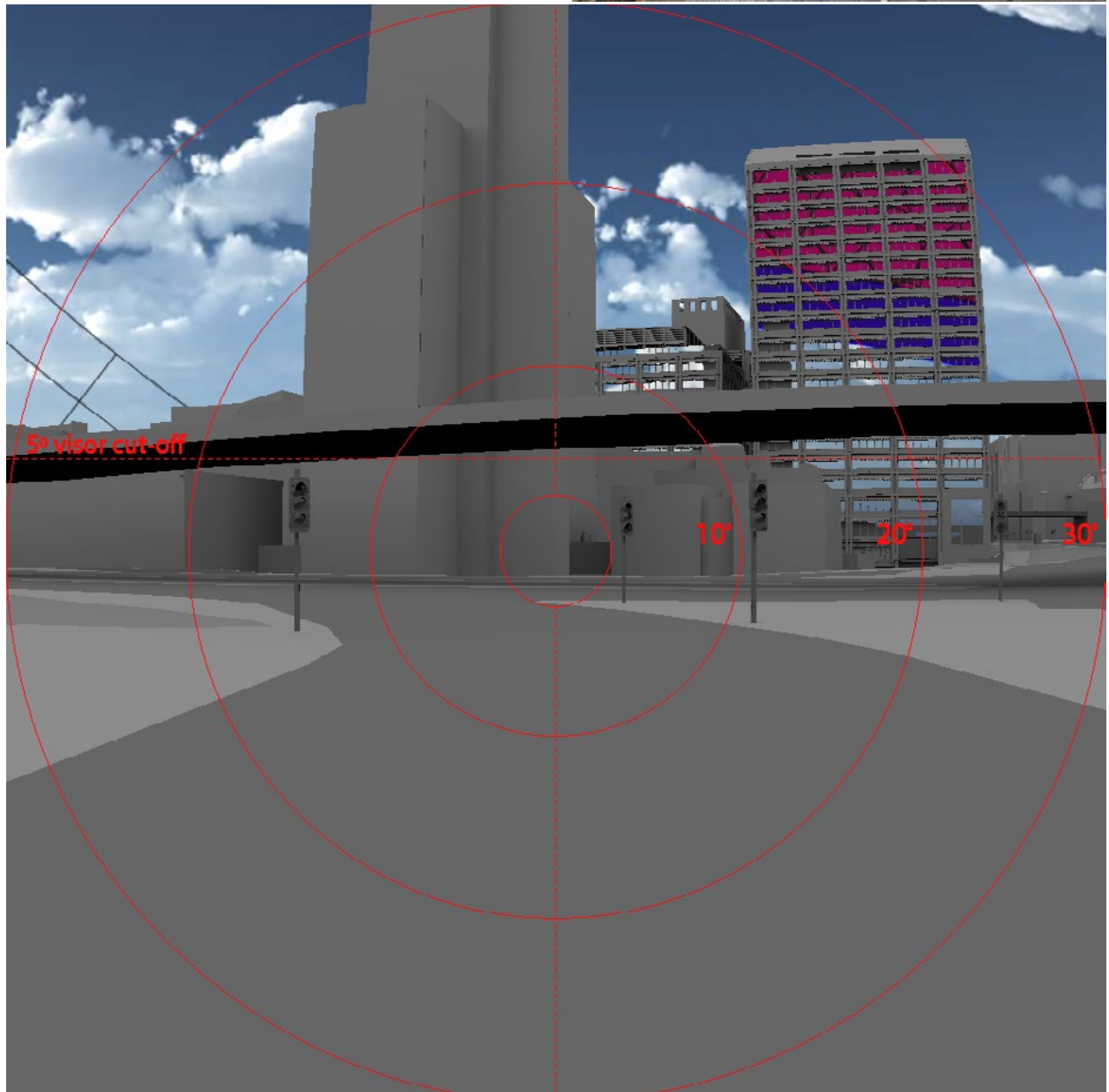


Fig. 20: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
DOWNING STREET VIEW 2A- DS2A

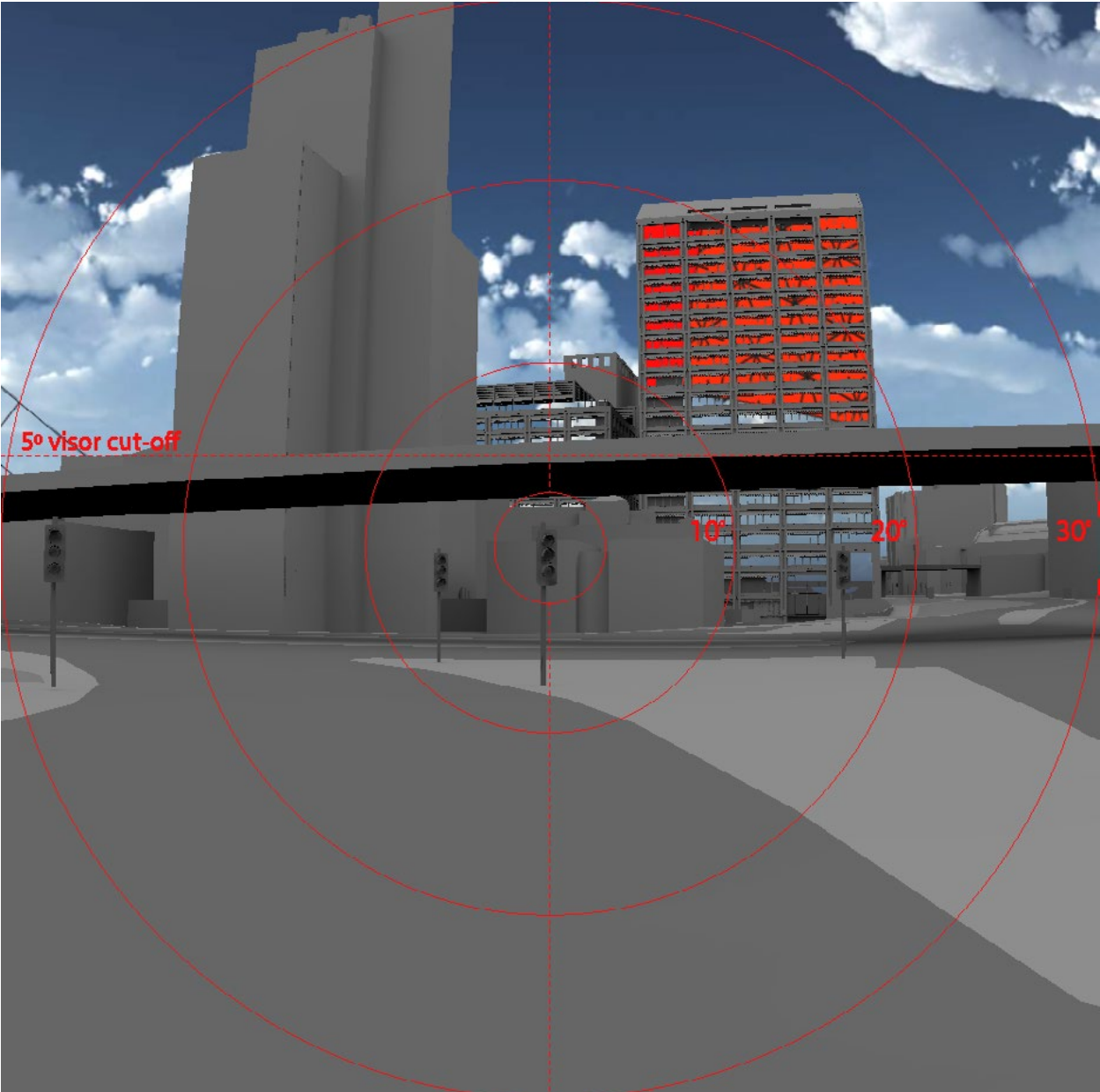
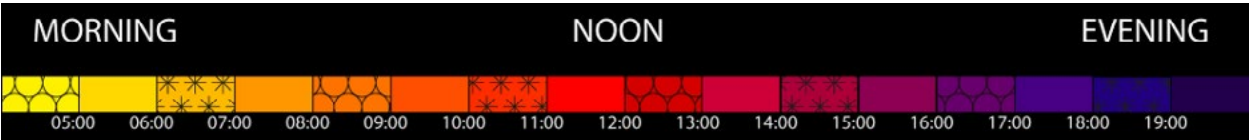


Fig. 21: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2023
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
DOWNING STREET VIEW 2A- DS2A

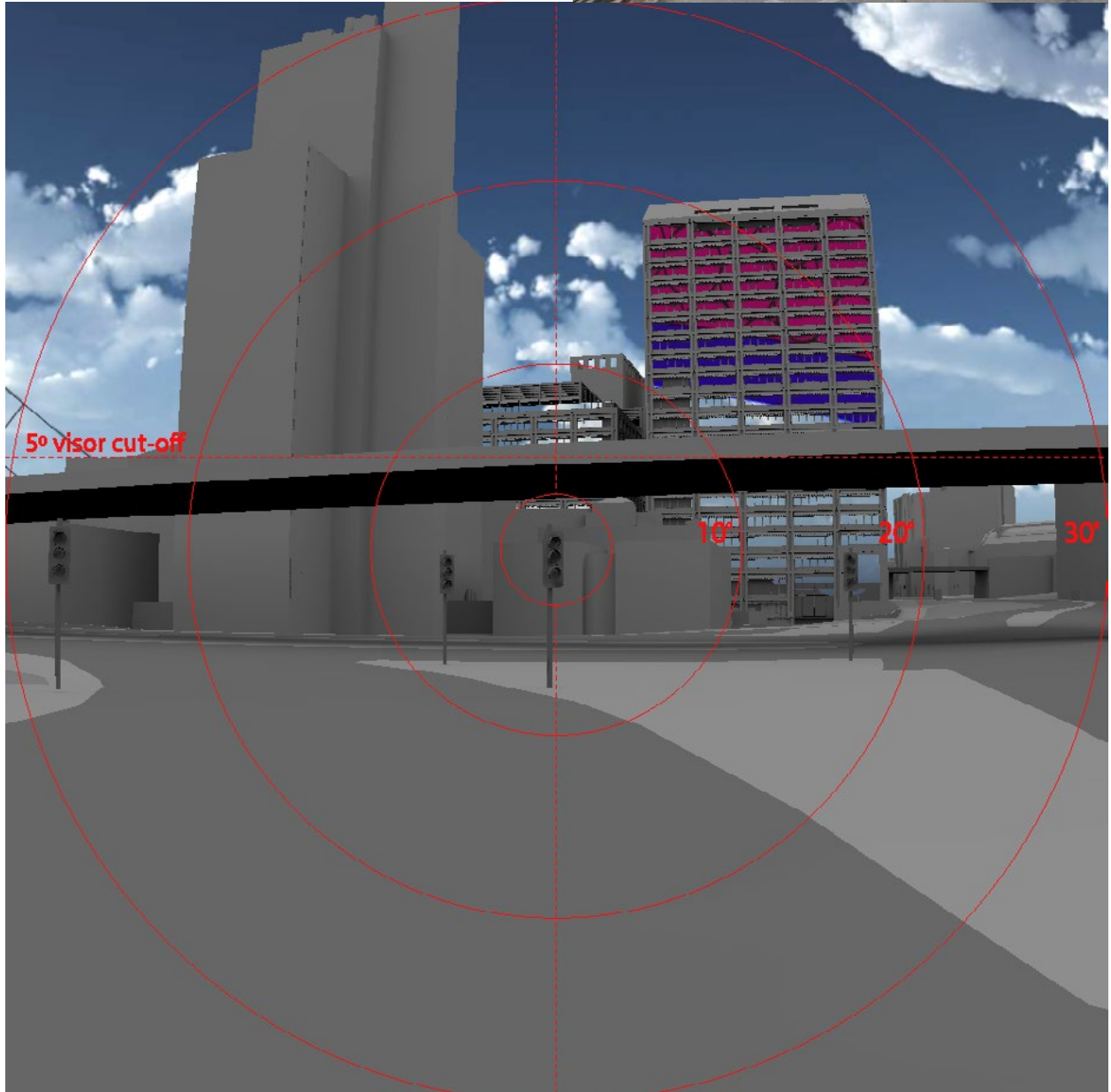


Fig. 22: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
DOWNING STREET VIEW 3- DS3

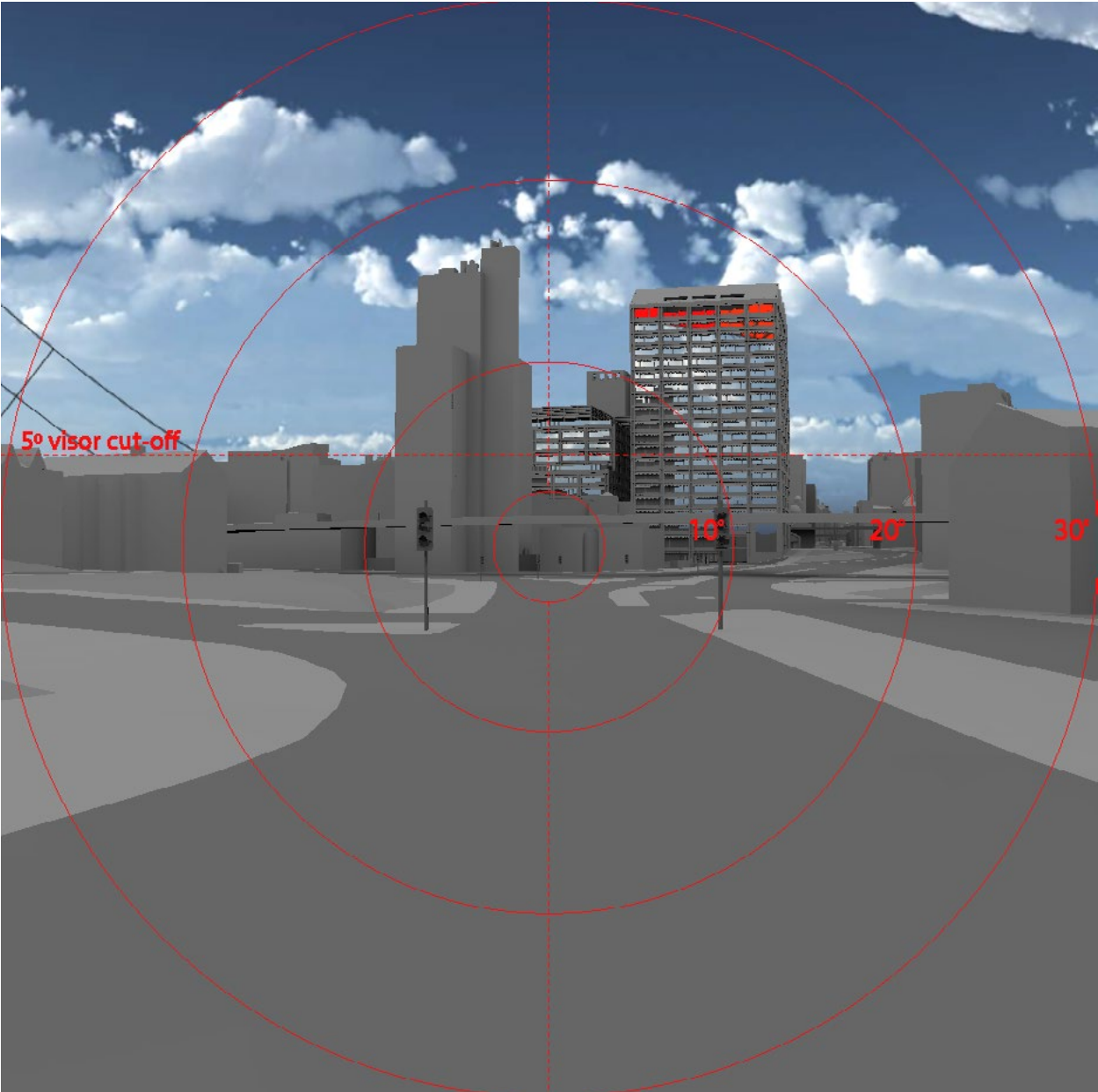
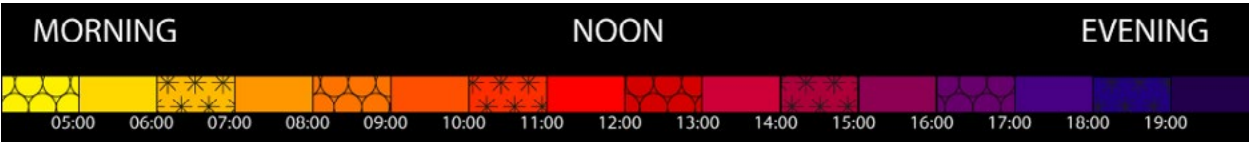


Fig. 23: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2023
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
DOWNING STREET VIEW 3- DS3

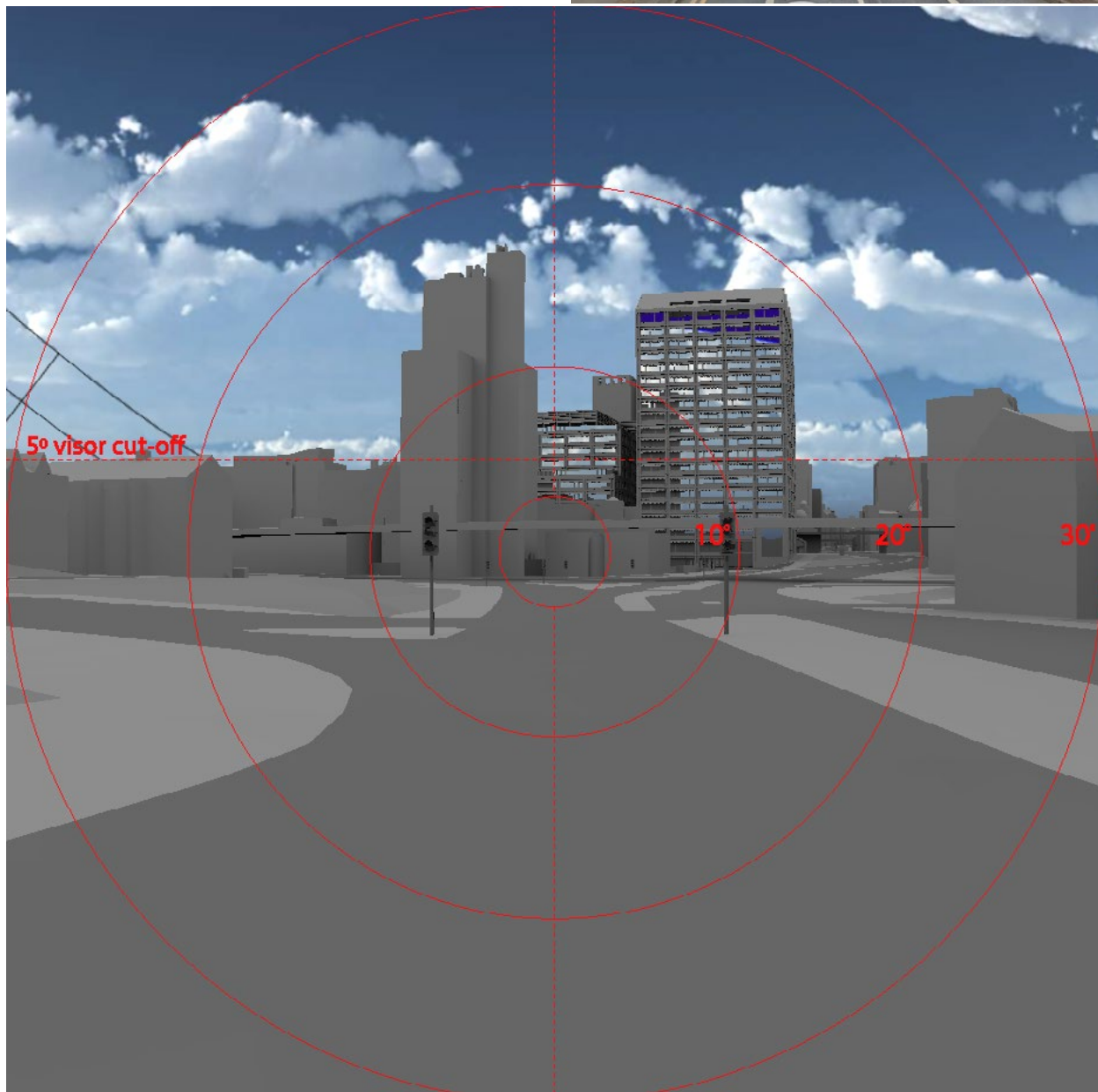


Fig. 24: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
WADESON ROAD VIEW- WR 1

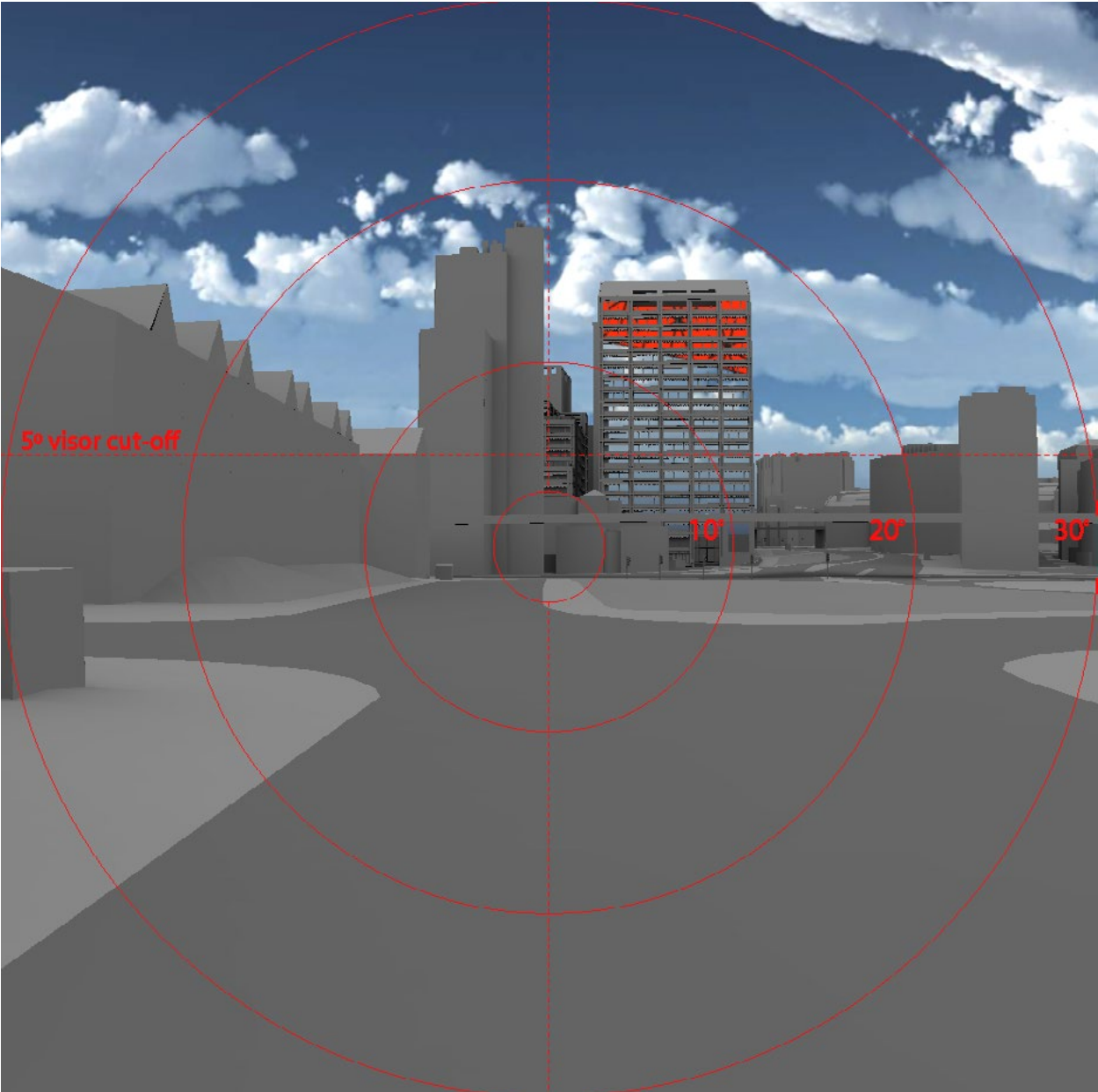
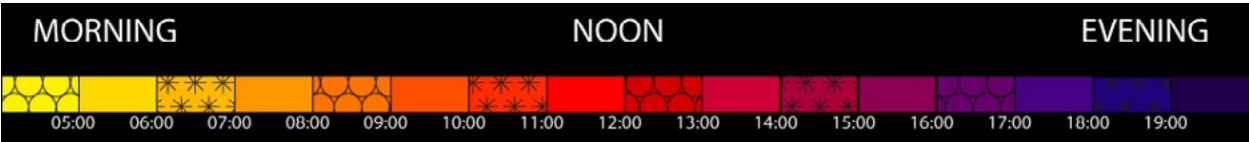


Fig. 25: Solar reflections



STREET VIEW IMAGE -SEPTEMBER 2023
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
WADESON ROAD VIEW - WR 1

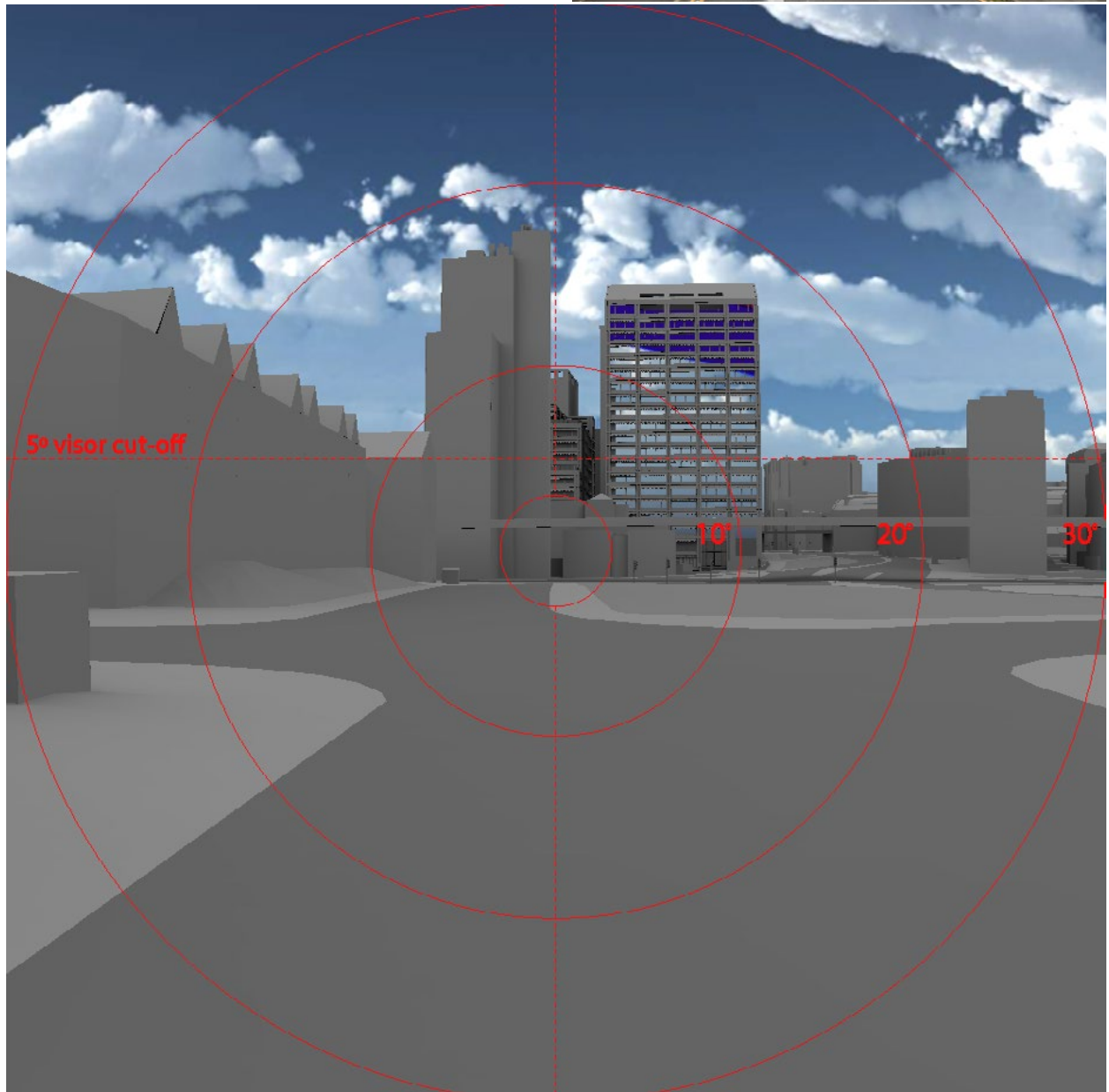


Fig. 26: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
MANCUNIAN WAY VIEW 3- MW3

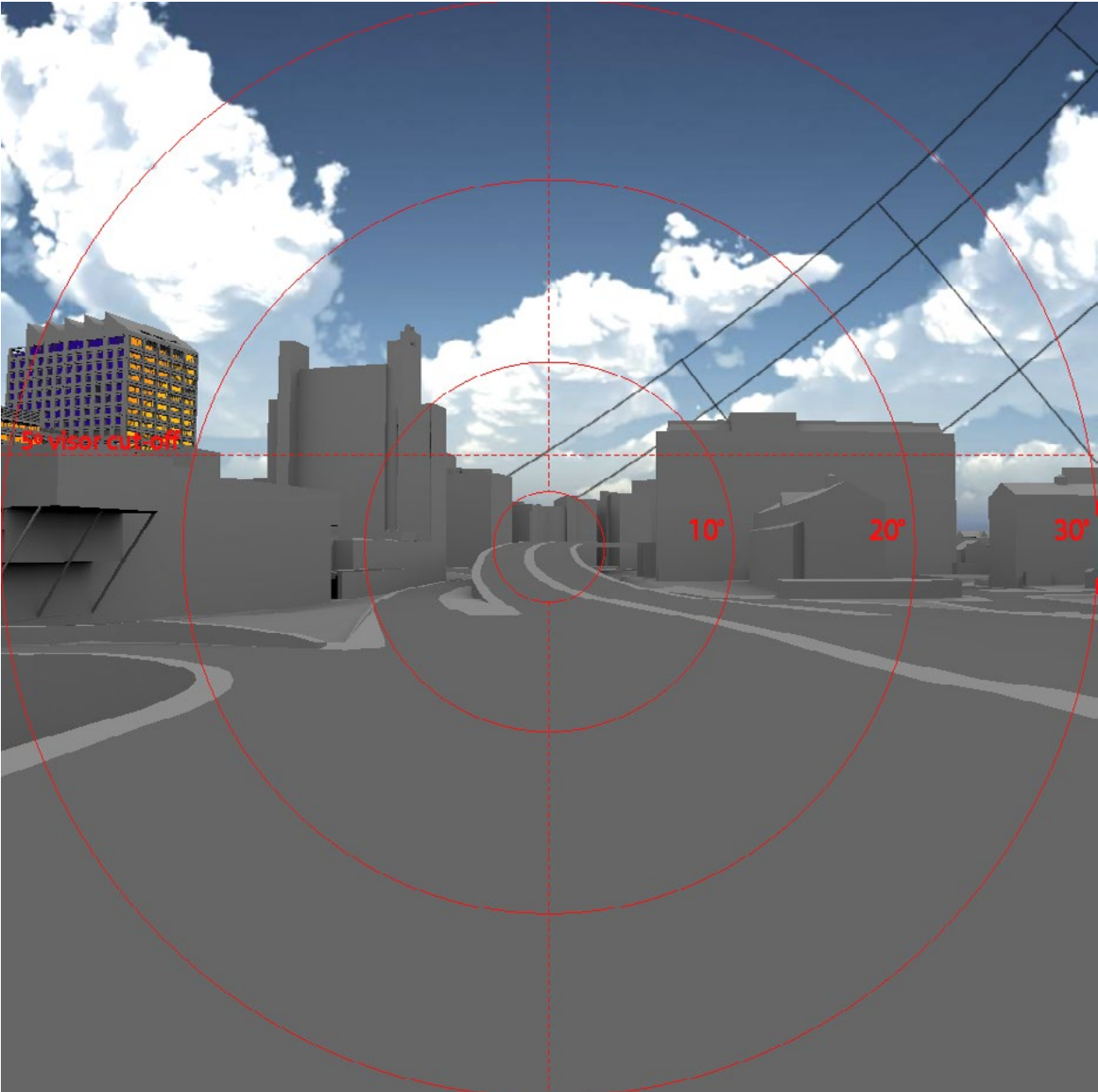
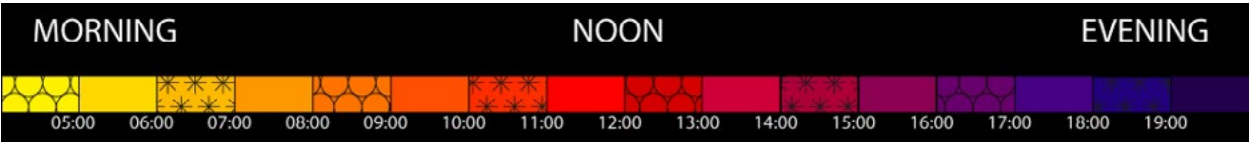


Fig. 27: Solar reflections



STREET VIEW IMAGE -OCTOBER 2024
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
MANCUNIAN WAY VIEW 3- MW3

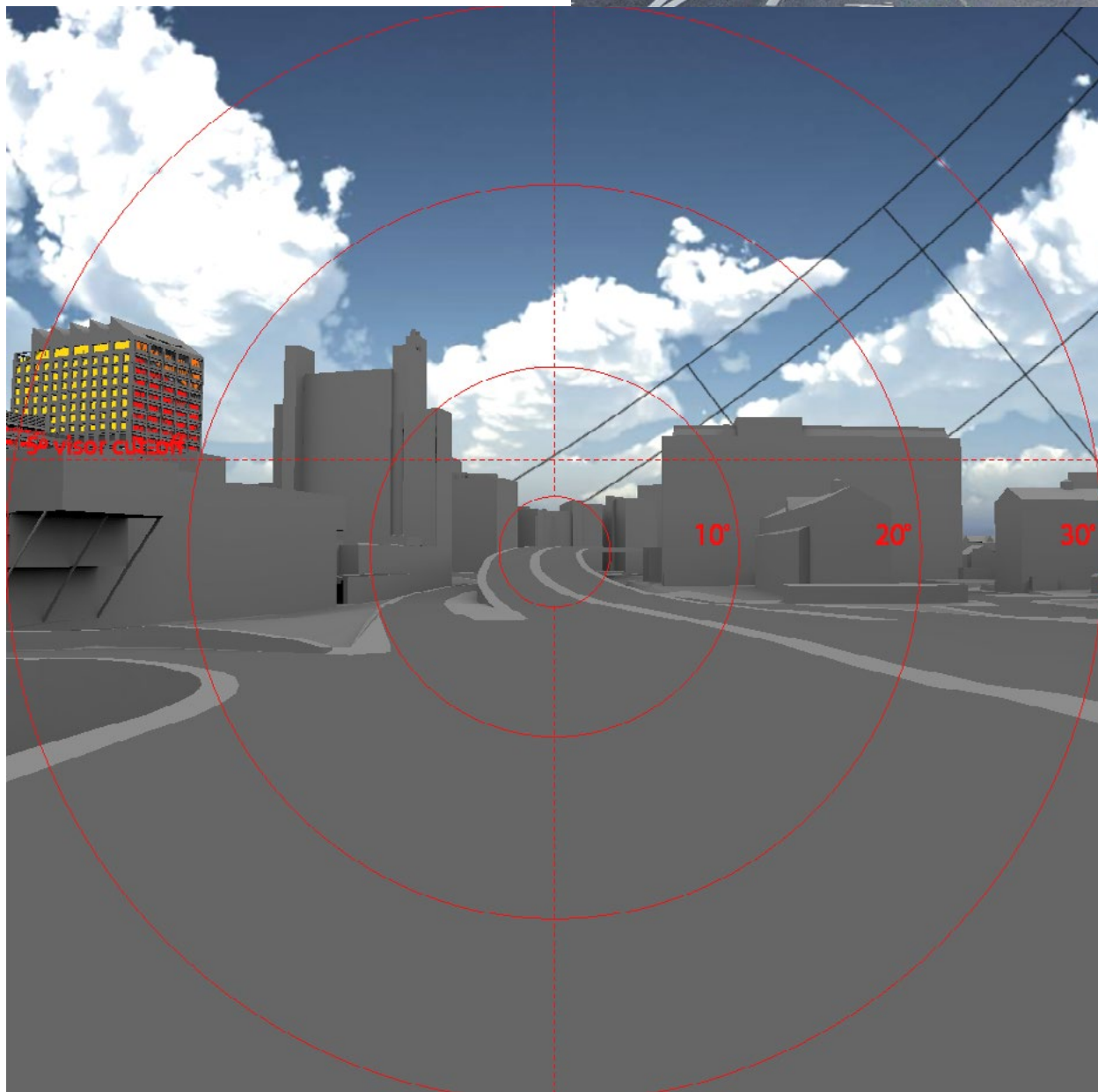


Fig. 28: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
CHARLES STREET VIEW 1- CS 1

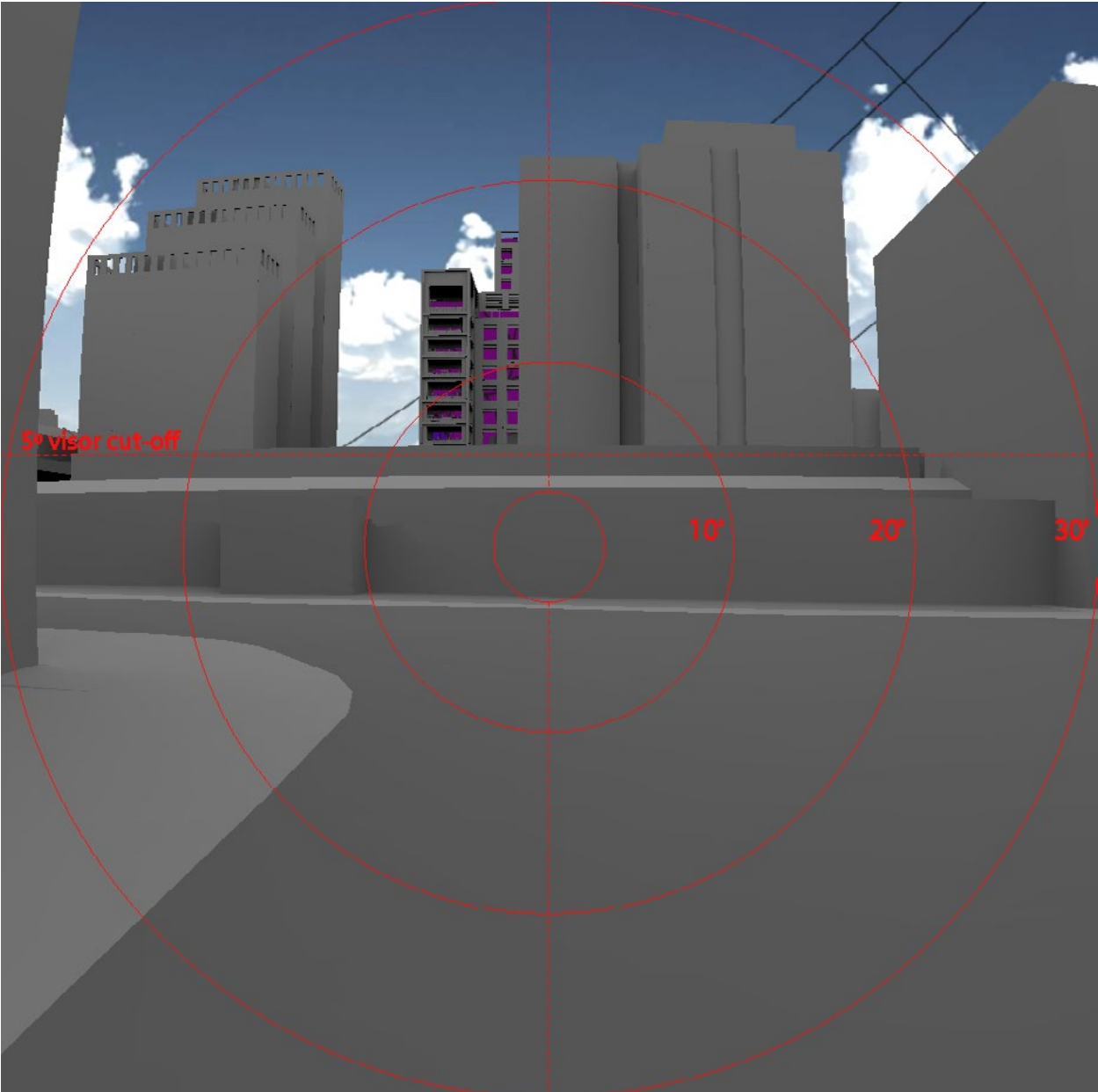
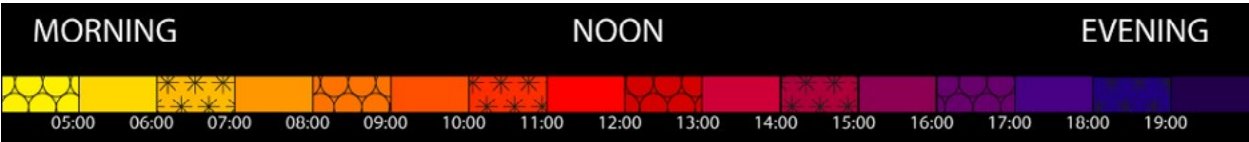


Fig. 29: Solar reflections



STREET VIEW IMAGE -NOVEMBER 2020
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
CHARLES STREET VIEW 1- CS 1

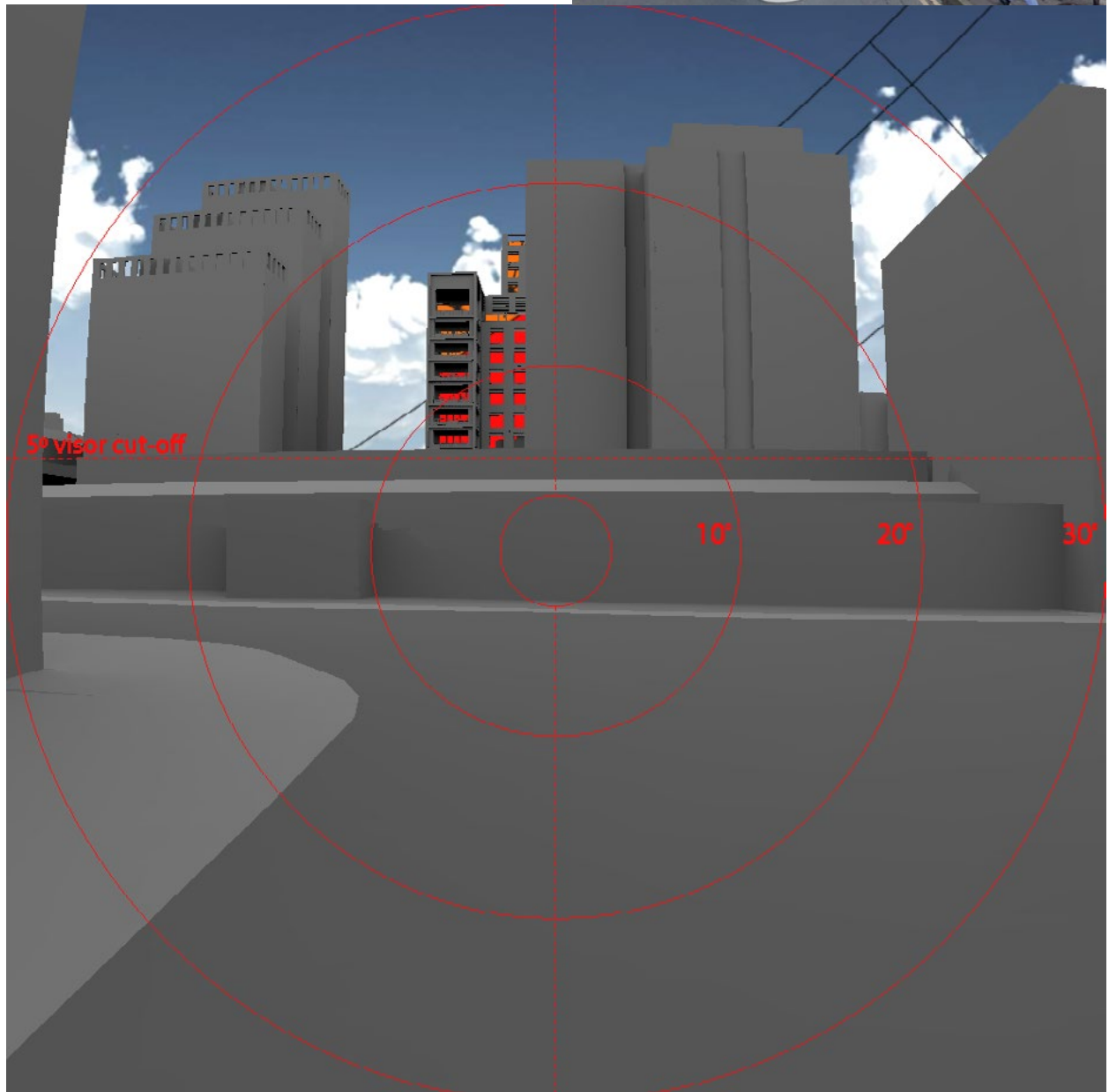


Fig. 30: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
CHARLES STREET VIEW 2- CS 2

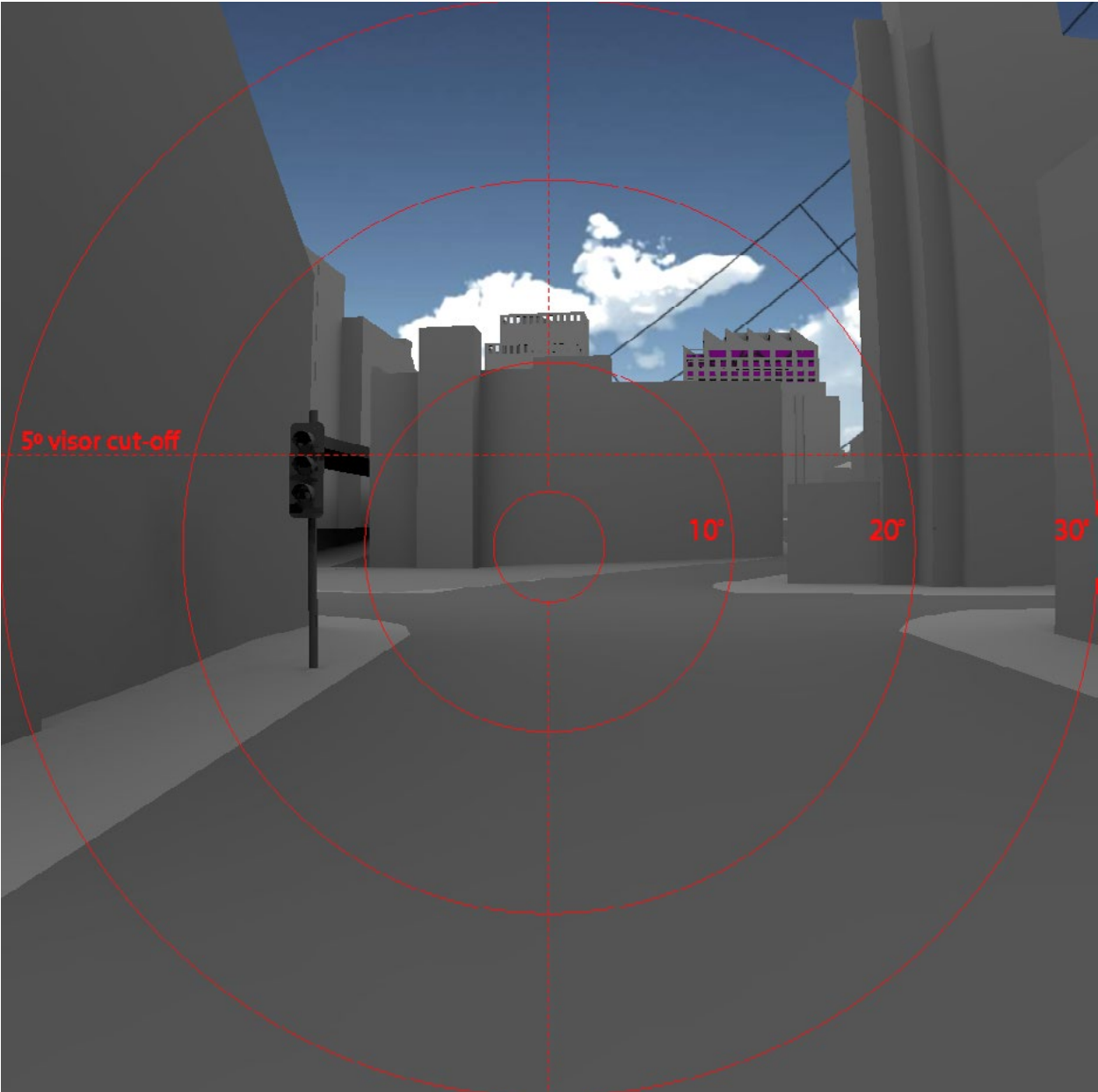
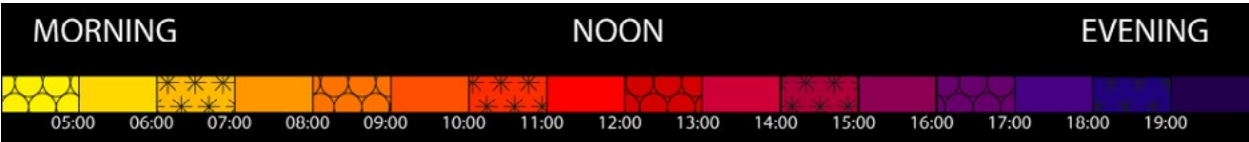


Fig. 31: Solar reflections



STREET VIEW IMAGE -JULY 2024
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
CHARLES STREET VIEW 2- CS 2

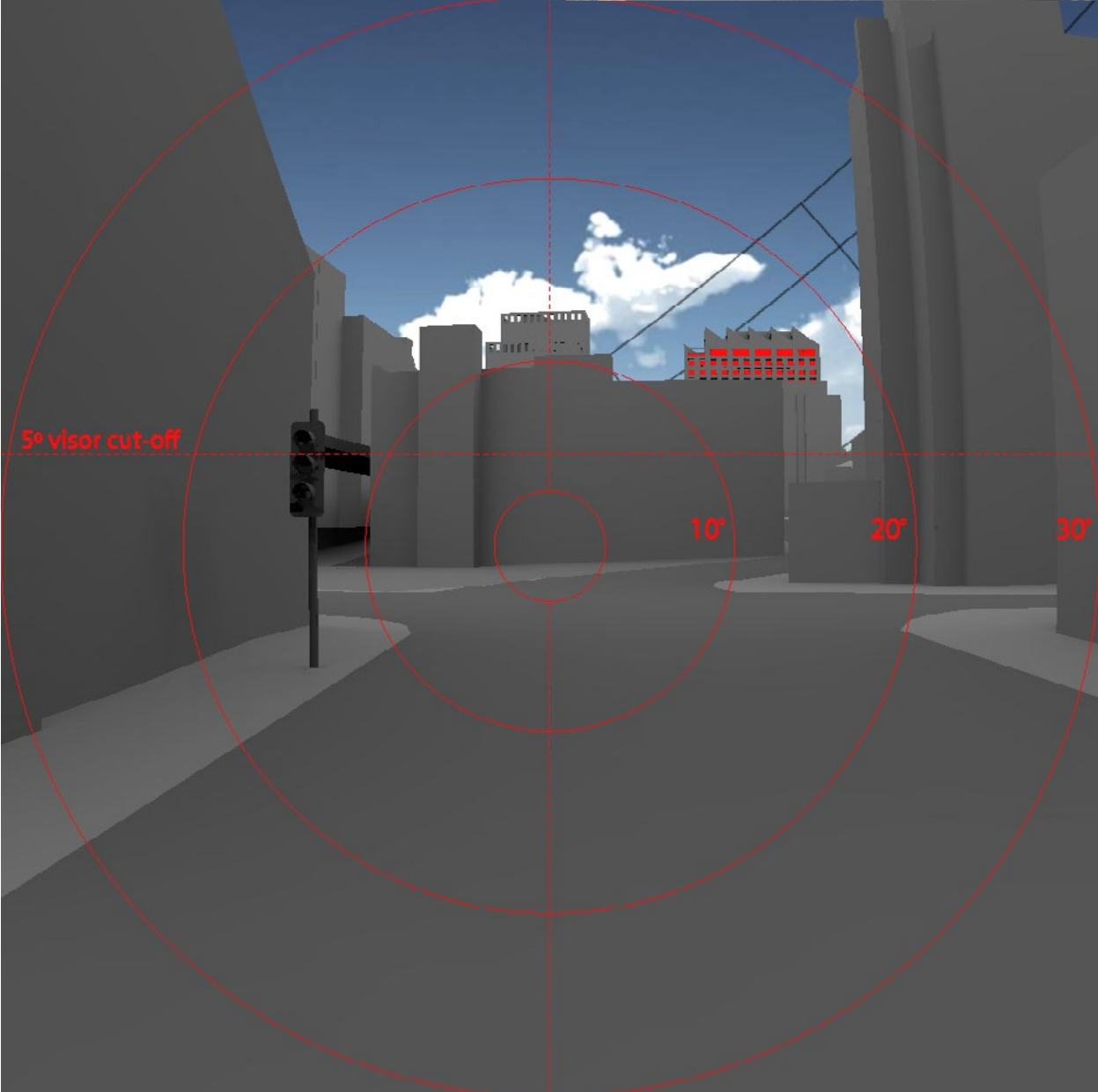


Fig. 32: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
GRANBY ROW VIEW- GR 1

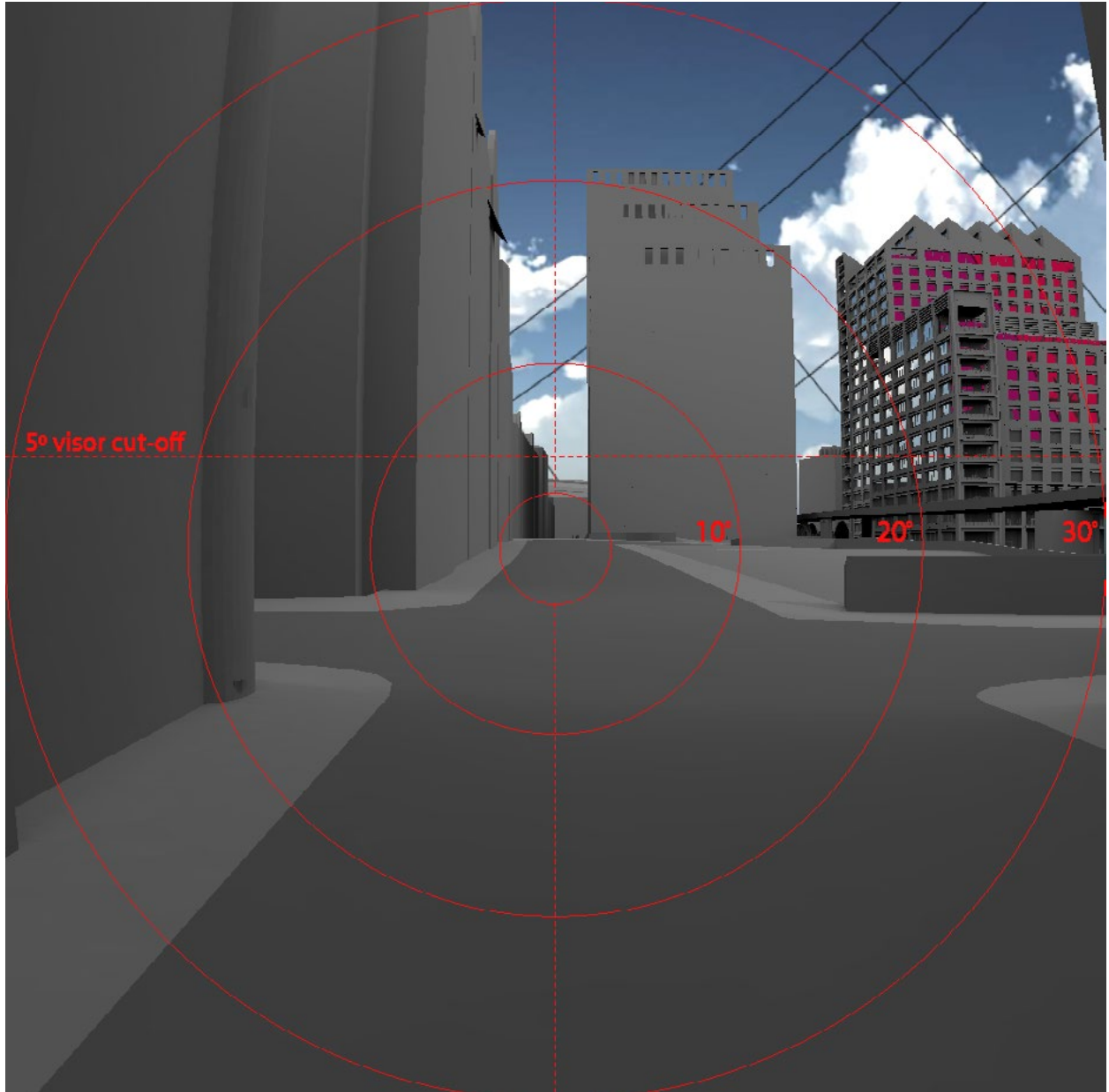
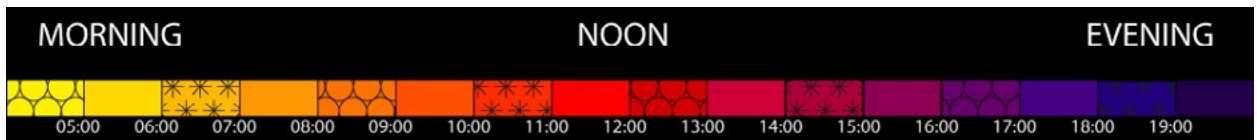


Fig. 33: Solar reflections



STREET VIEW IMAGE -JULY 2024
(GOOGLE MAPS)



60° FIELD OF VIEW: SEASON
GRANBY ROW VIEW- GR 1

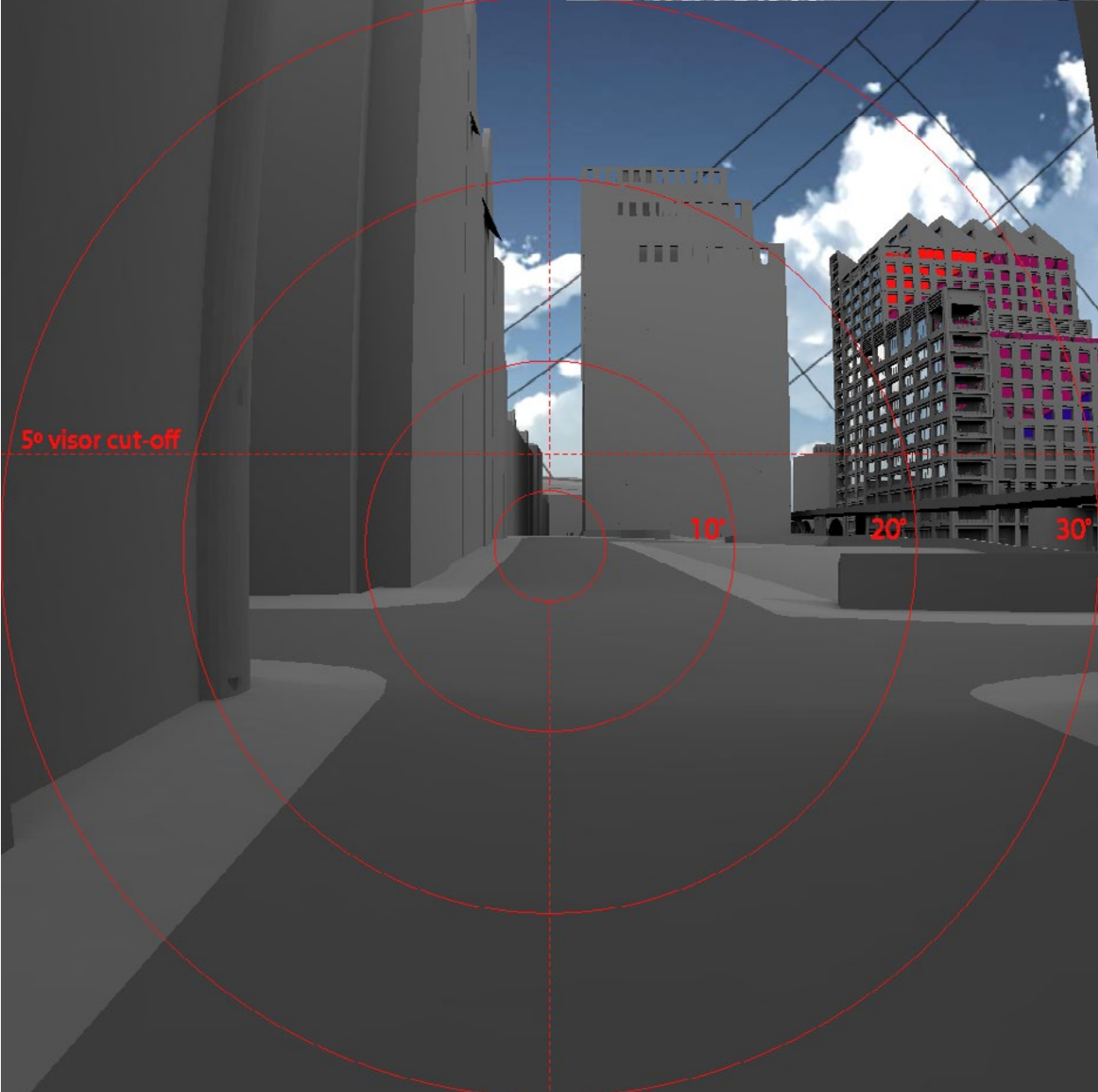


Fig. 34: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
WESTBOUND VIEW 1- W 1

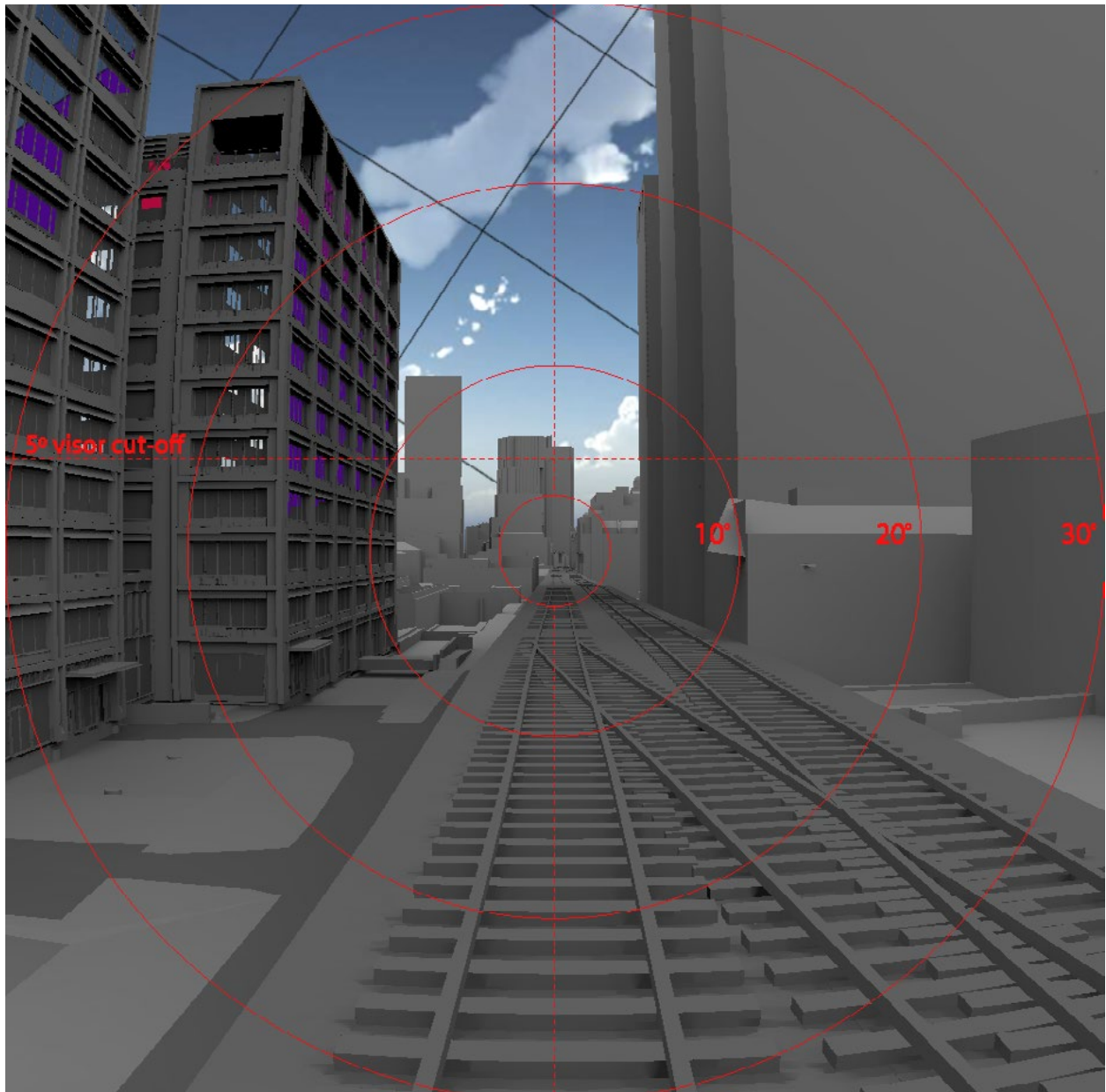
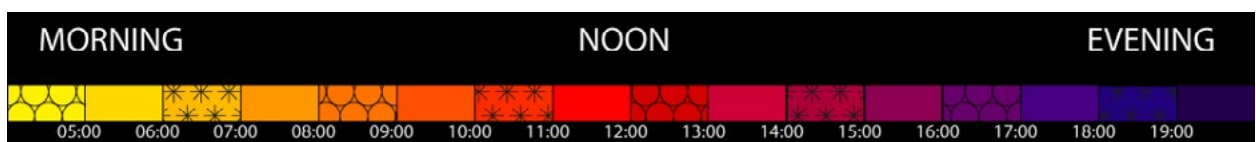


Fig. 35: Solar reflections



60° FIELD OF VIEW: SEASON
WESTBOUND VIEW 1- W 1

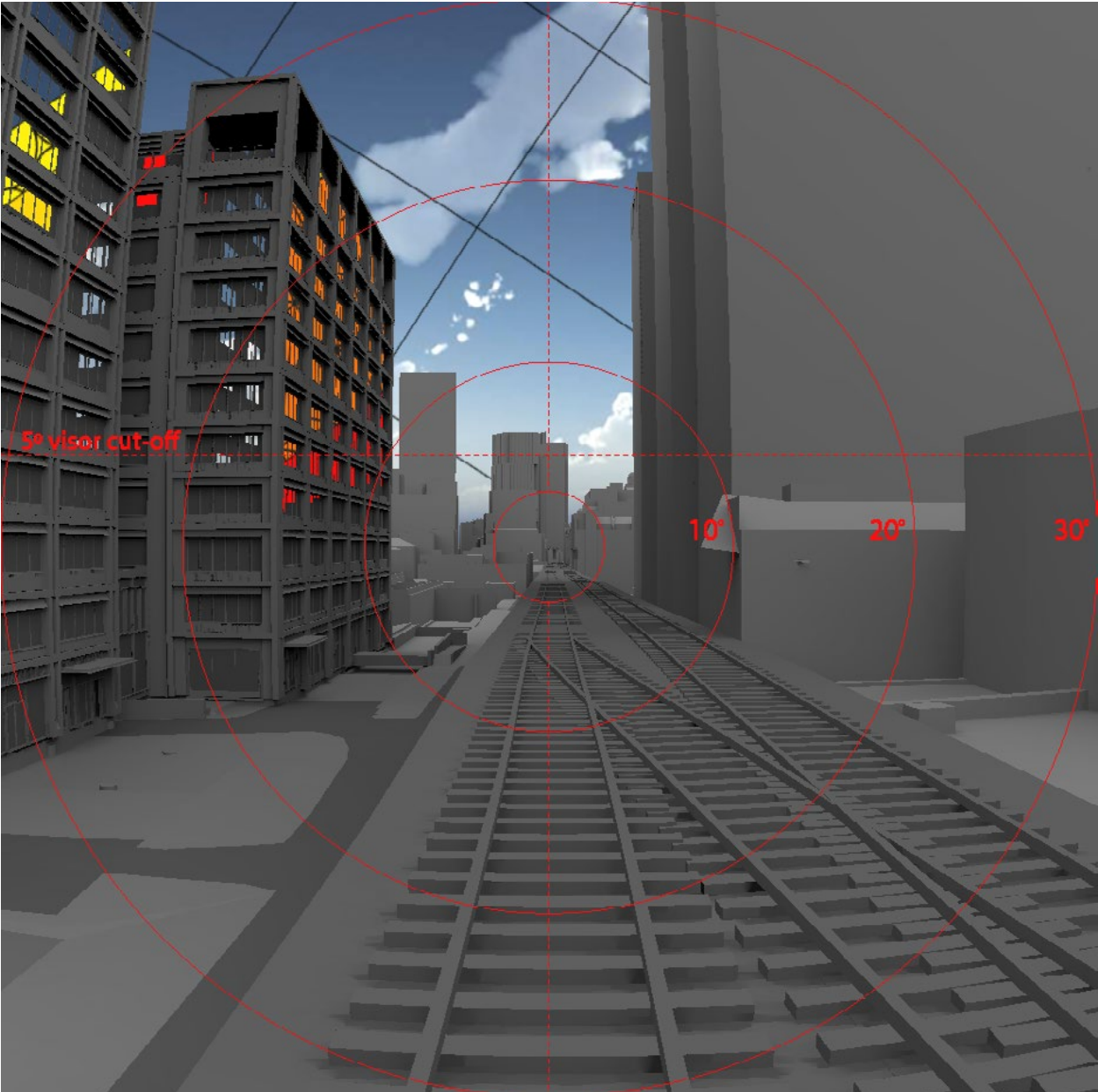


Fig. 36: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
WESTBOUND PLATFORM 13 A VIEW- P13A

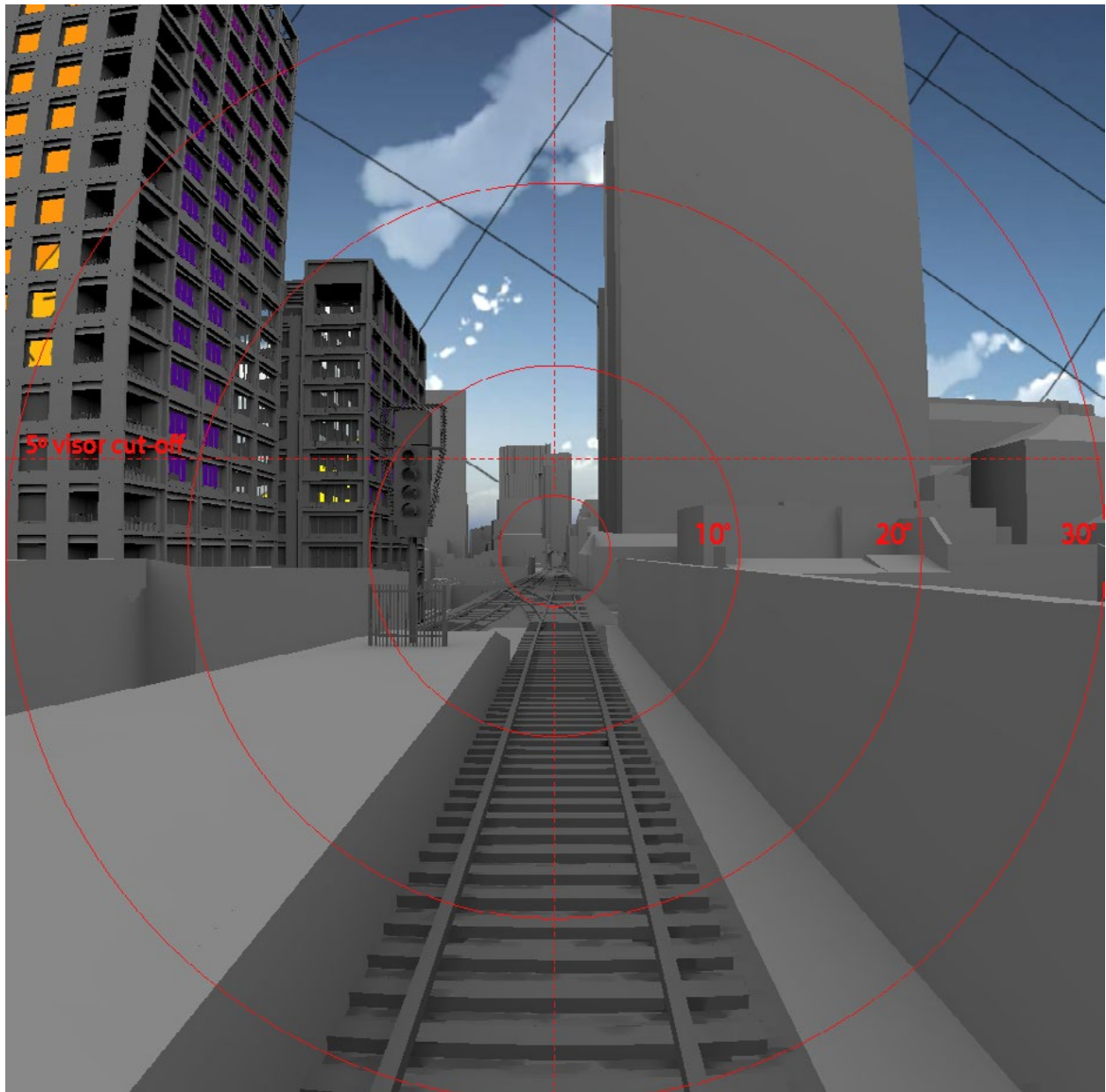
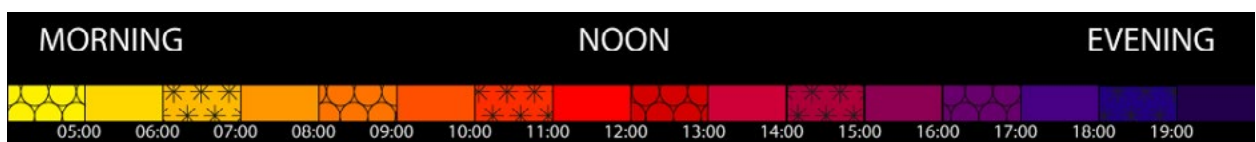


Fig. 37: Solar reflections



60° FIELD OF VIEW: SEASON
WESTBOUND PLATFORM 13 A VIEW- P13A

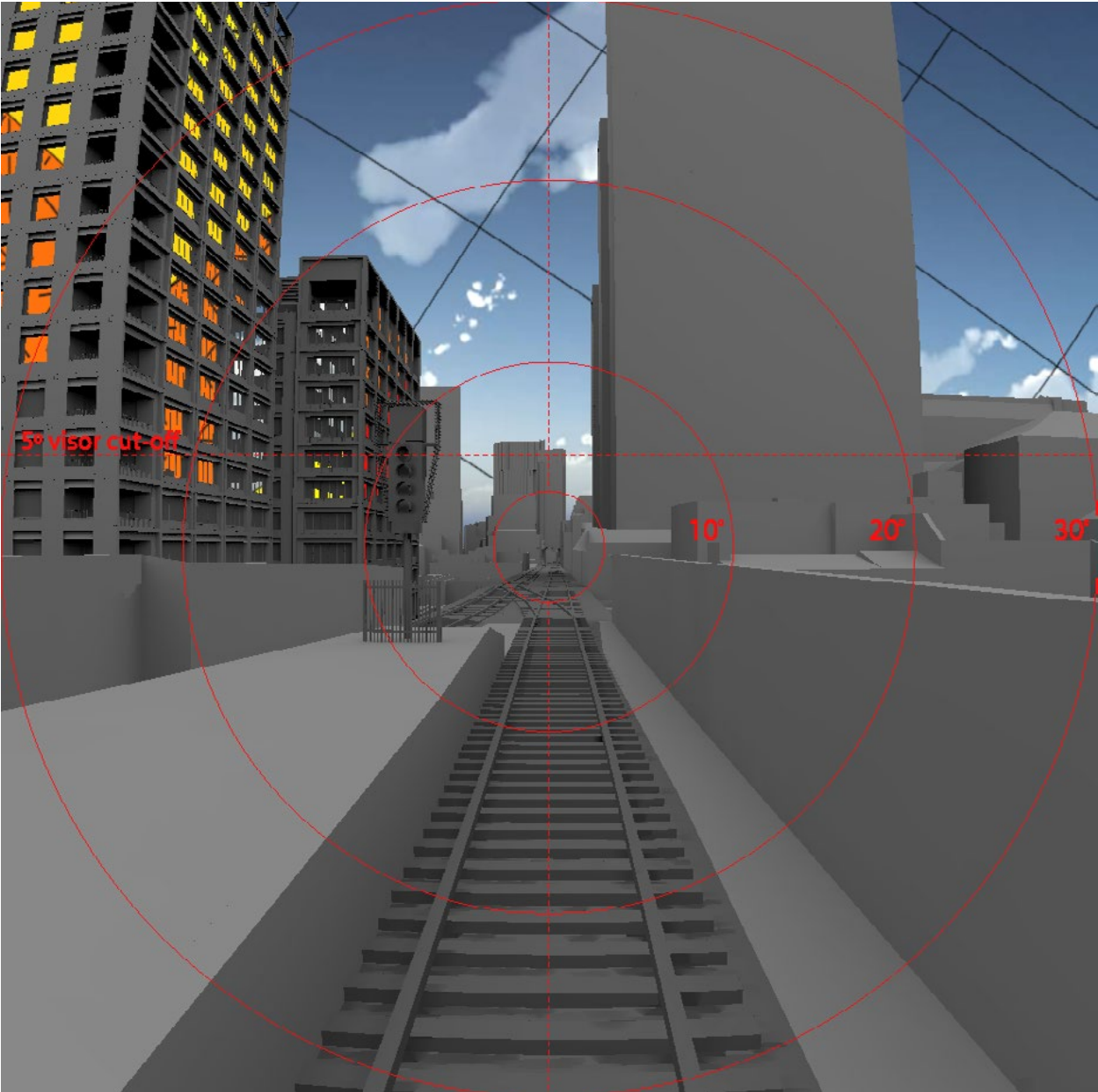


Fig. 38: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
WESTBOUND PLATFORM 14 A VIEW- P14A

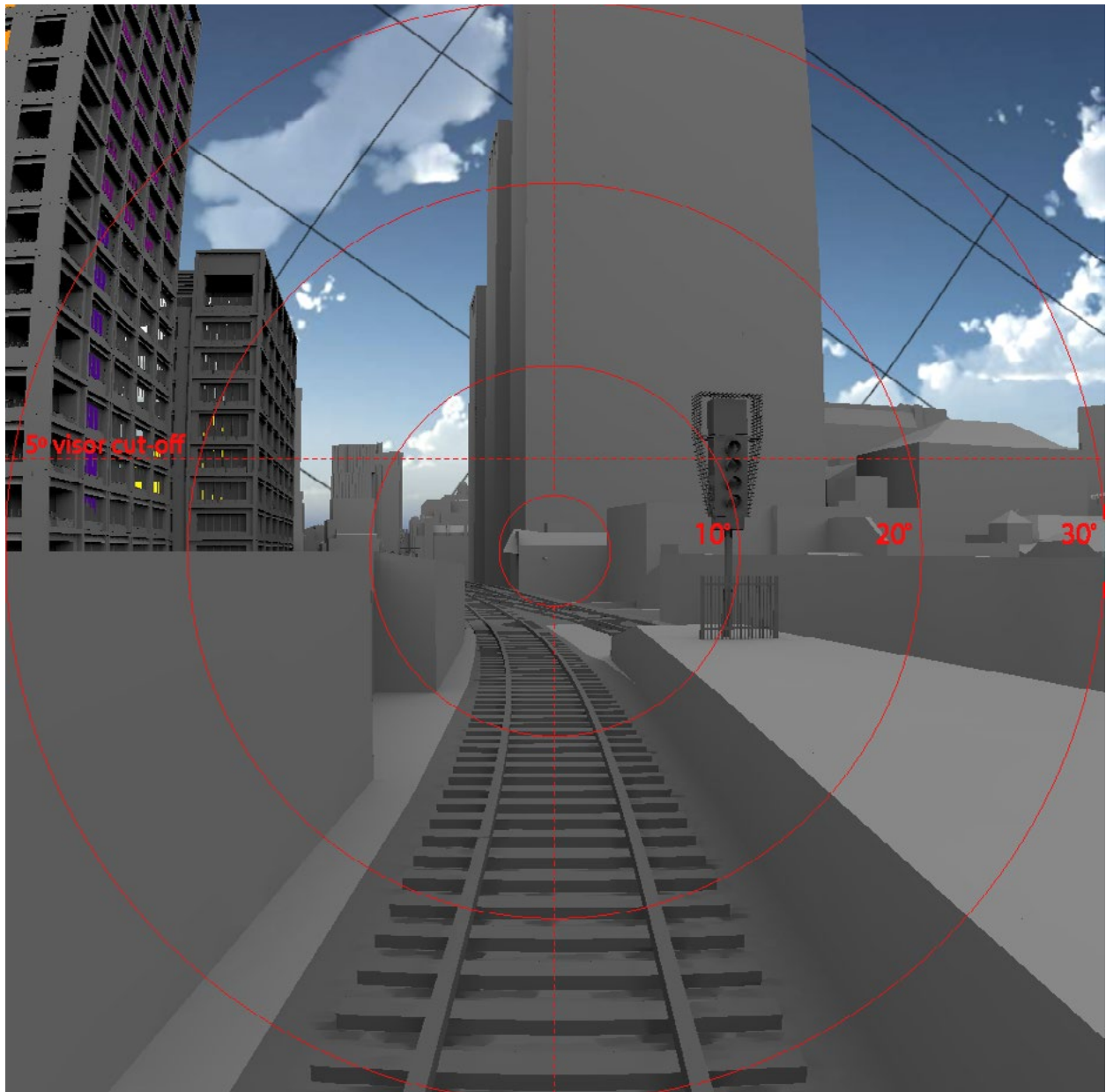
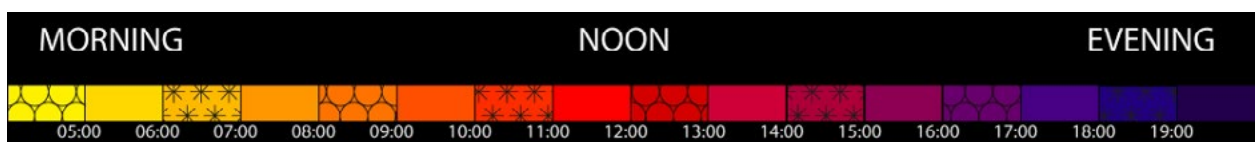


Fig. 39: Solar reflections



60° FIELD OF VIEW: SEASON
 WESTBOUND PLATFORM 14 A VIEW- P14A

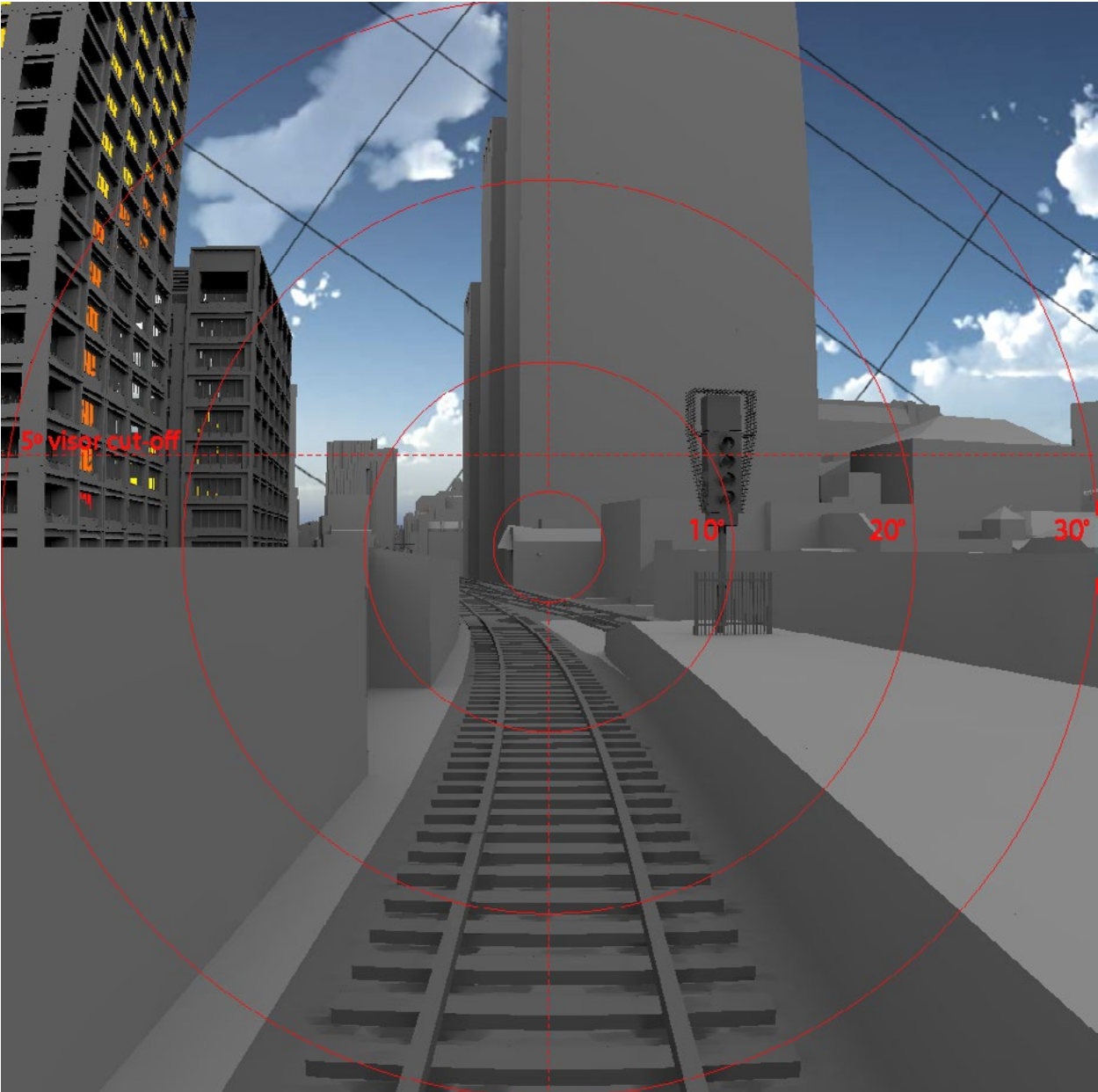


Fig. 40: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
WESTBOUND PLATFORM 14 B VIEW- P14B

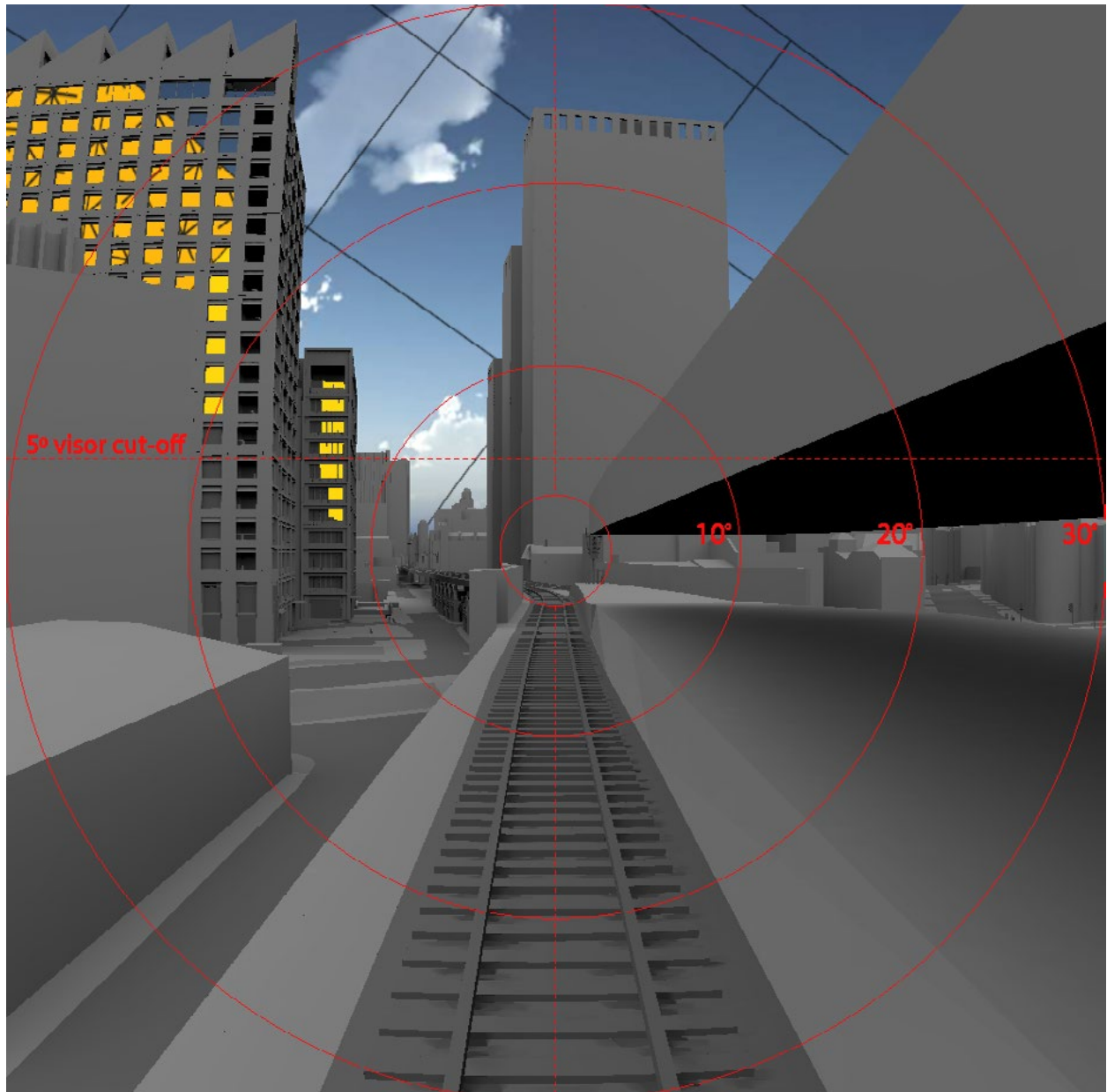
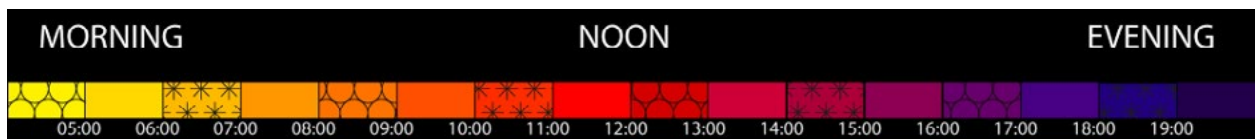


Fig. 41: Solar reflections



60° FIELD OF VIEW: SEASON
WESTBOUND PLATFORM 14 B VIEW- P14B

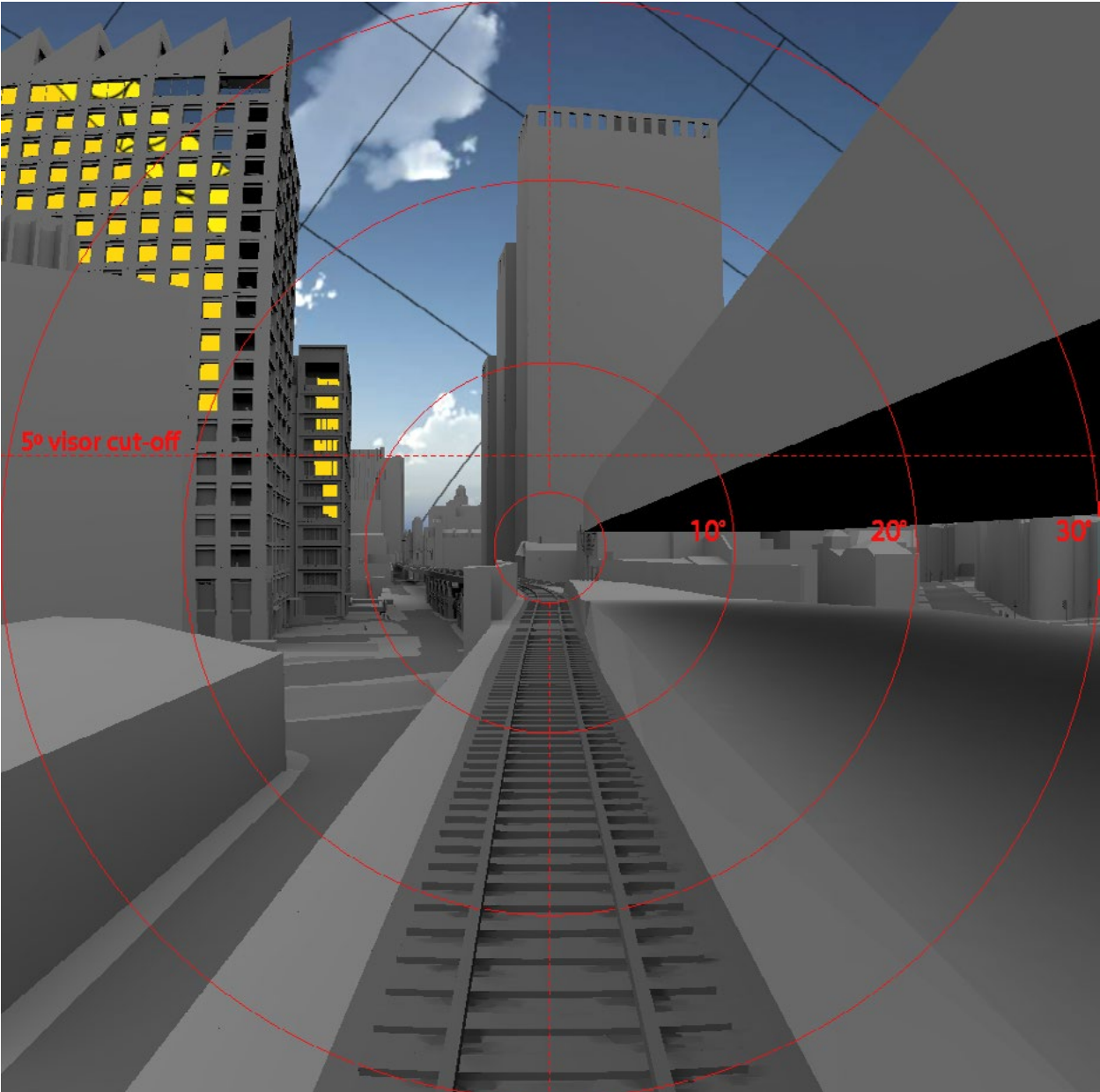


Fig. 42: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
WESTBOUND PLATFORM 14 C VIEW- P14C

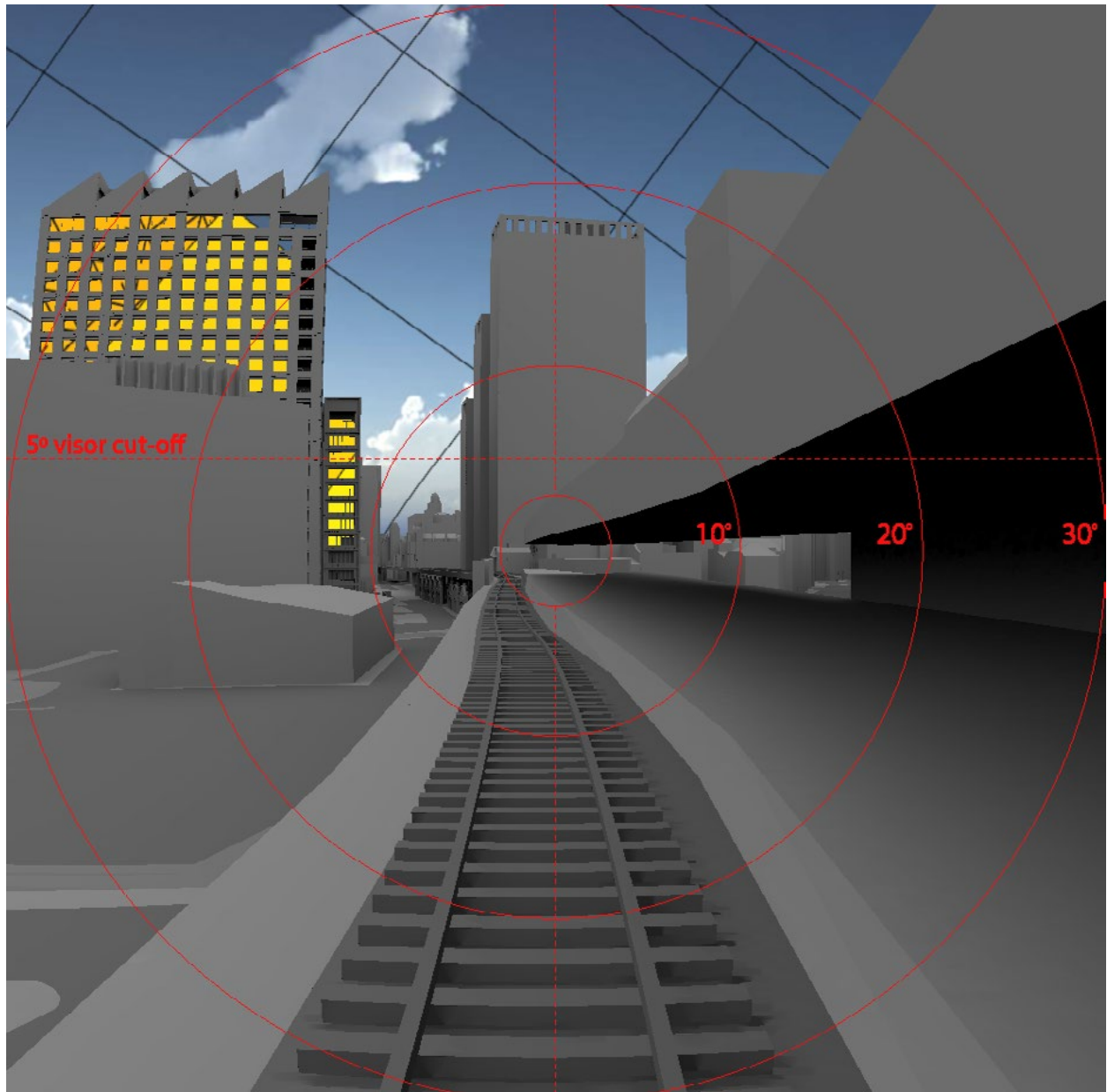
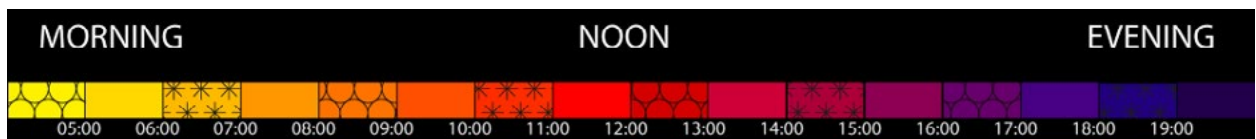


Fig. 43: Solar reflections



60° FIELD OF VIEW: SEASON
WESTBOUND PLATFORM 14 C VIEW- P14C

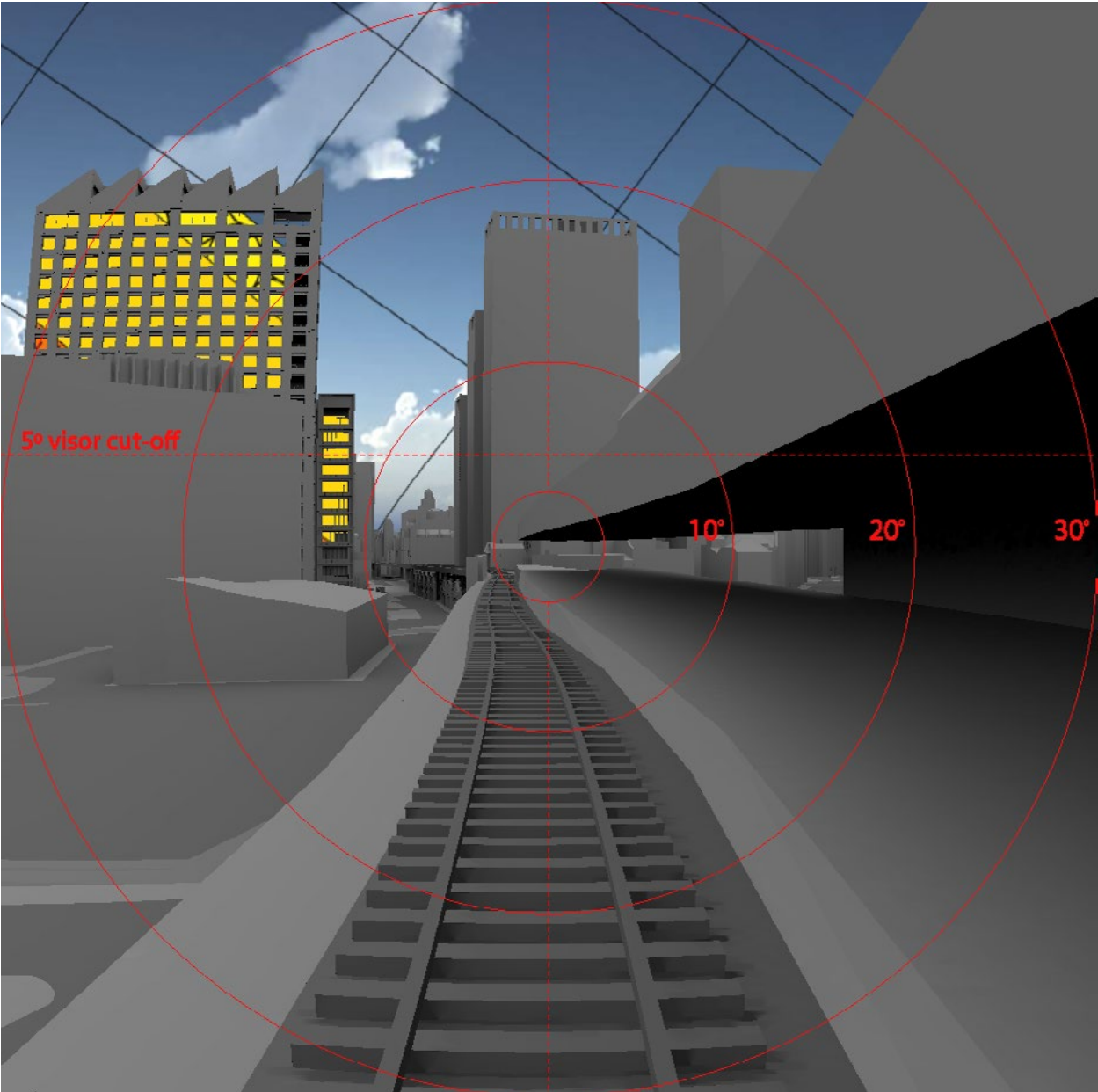


Fig. 44: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
EASTBOUND VIEW 1- E1

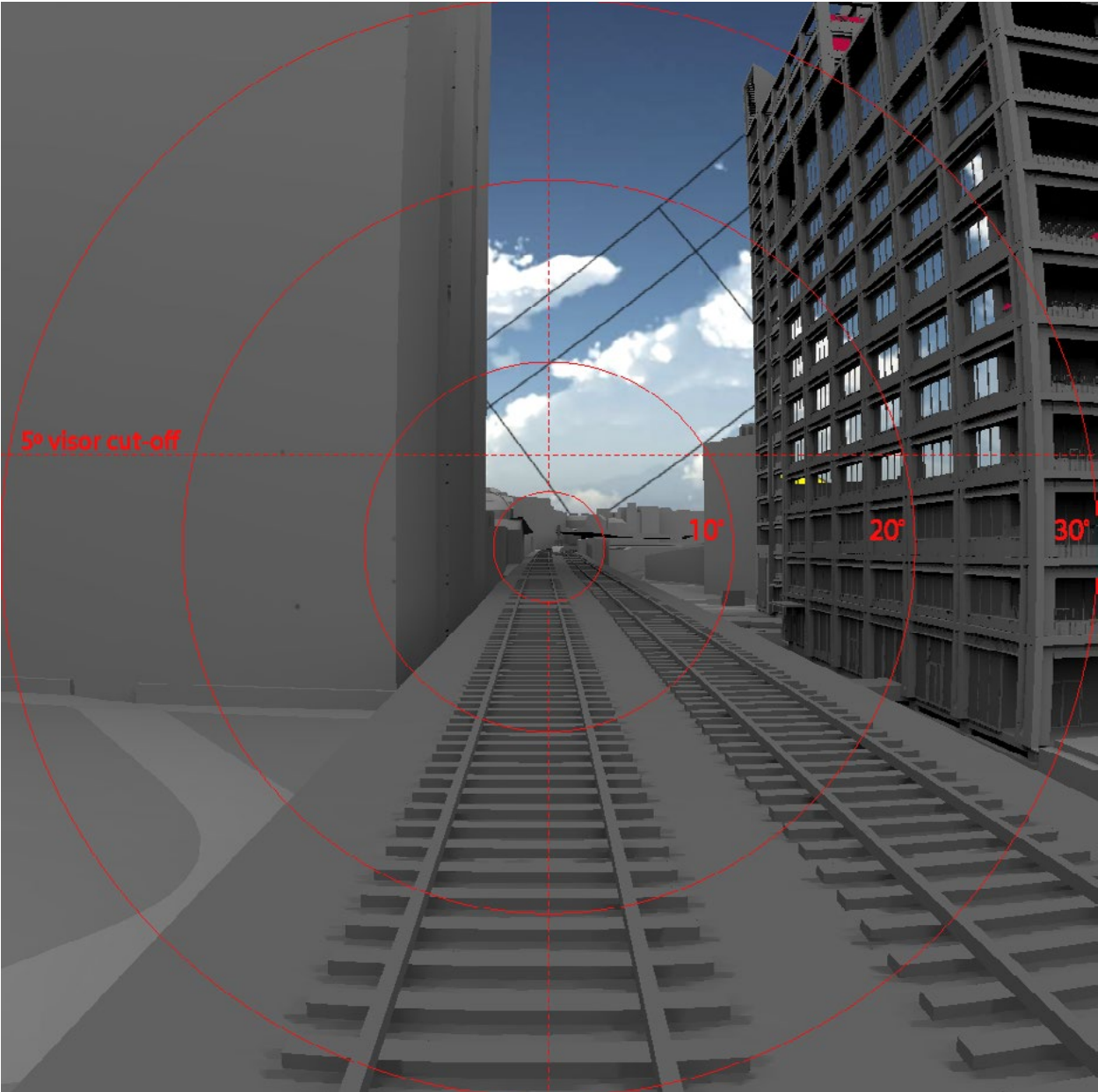
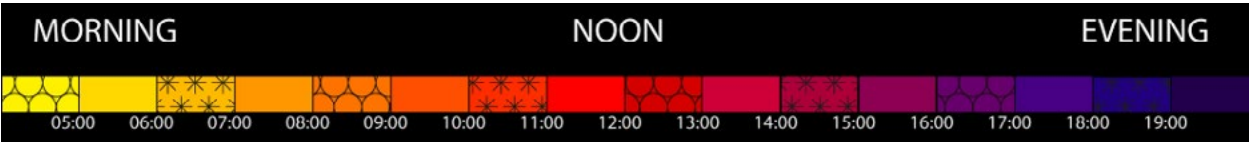


Fig. 45: Solar reflections



60° FIELD OF VIEW: SEASON
EASTBOUND VIEW 1- E1

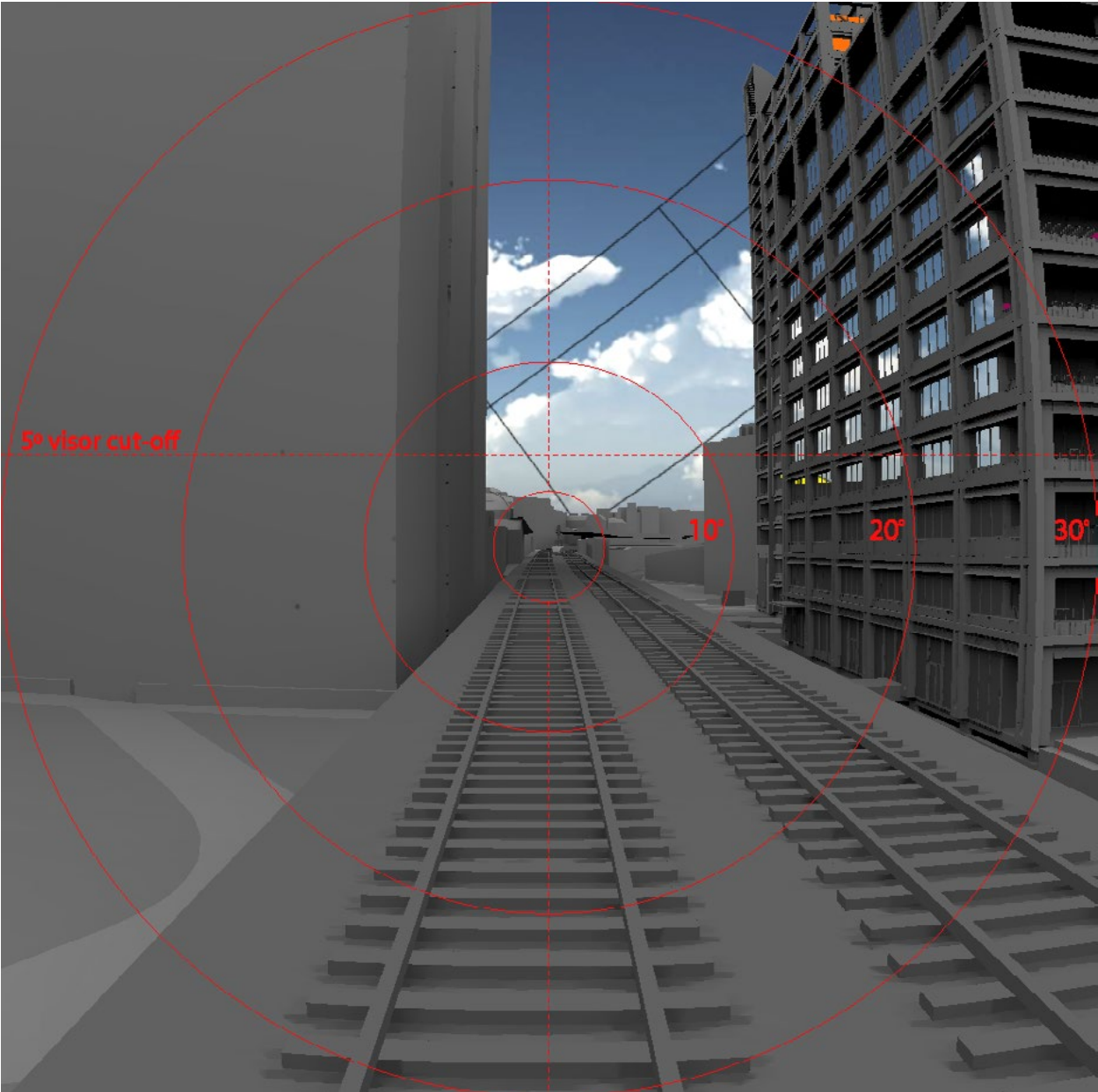


Fig. 46: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
EASTBOUND VIEW 2- E2

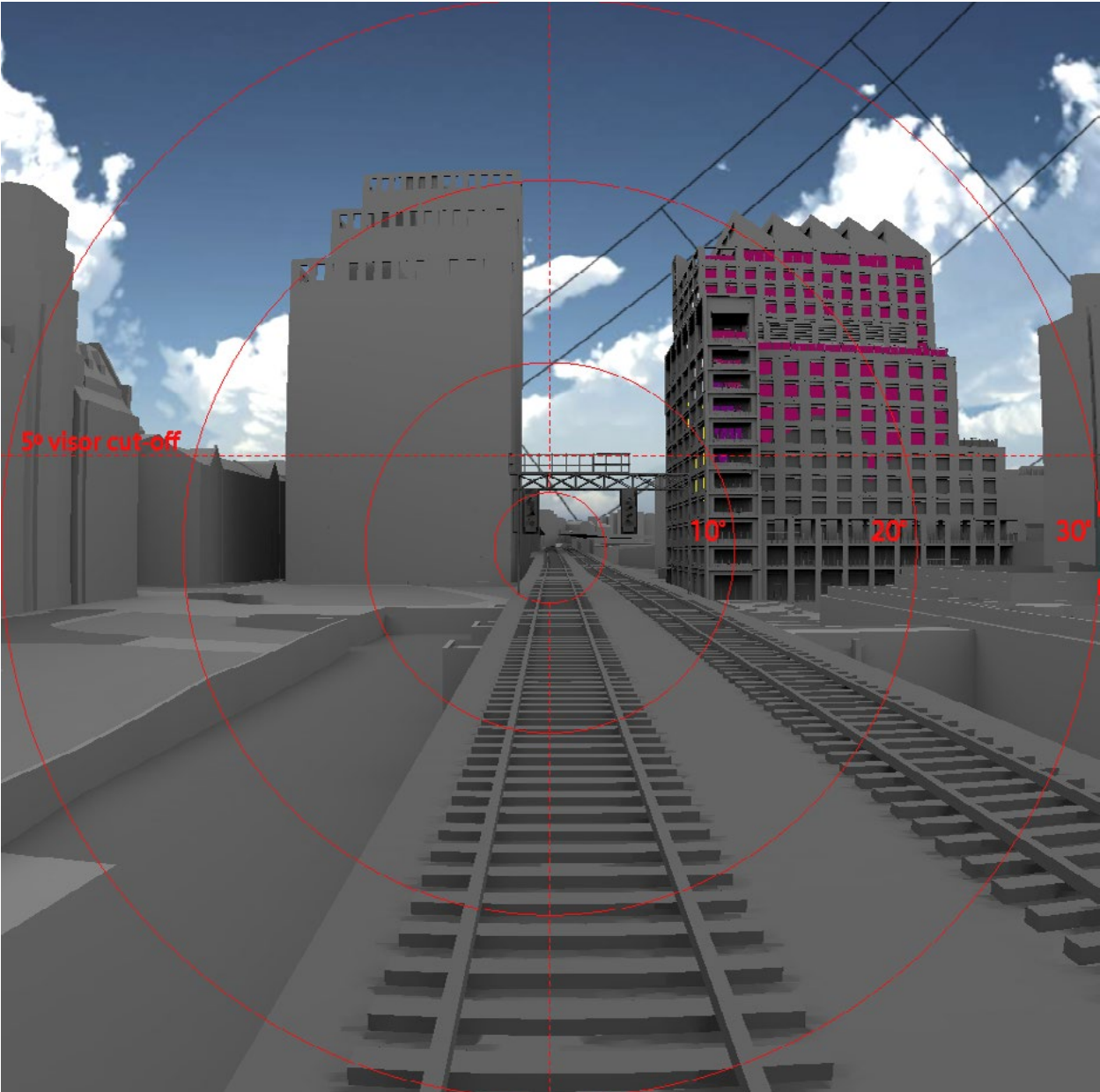
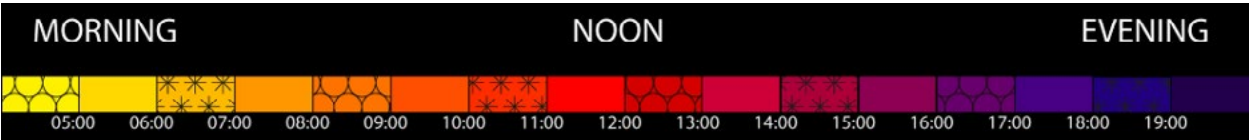


Fig. 47: Solar reflections



60° FIELD OF VIEW: SEASON
EASTBOUND VIEW 2- E2

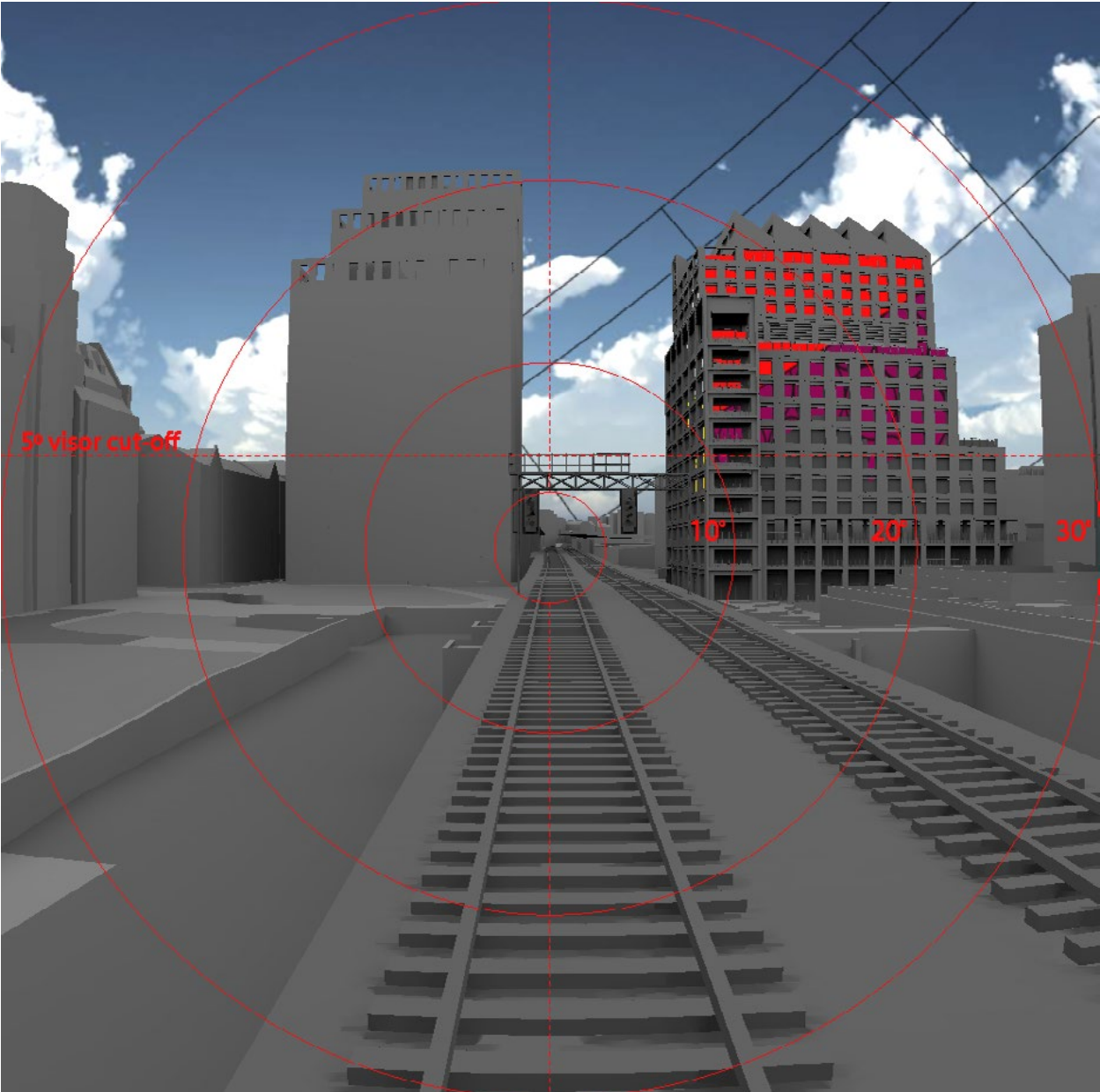


Fig. 48: Solar reflections



60° FIELD OF VIEW: TIME OF DAY
EASTBOUND VIEW 3- E3

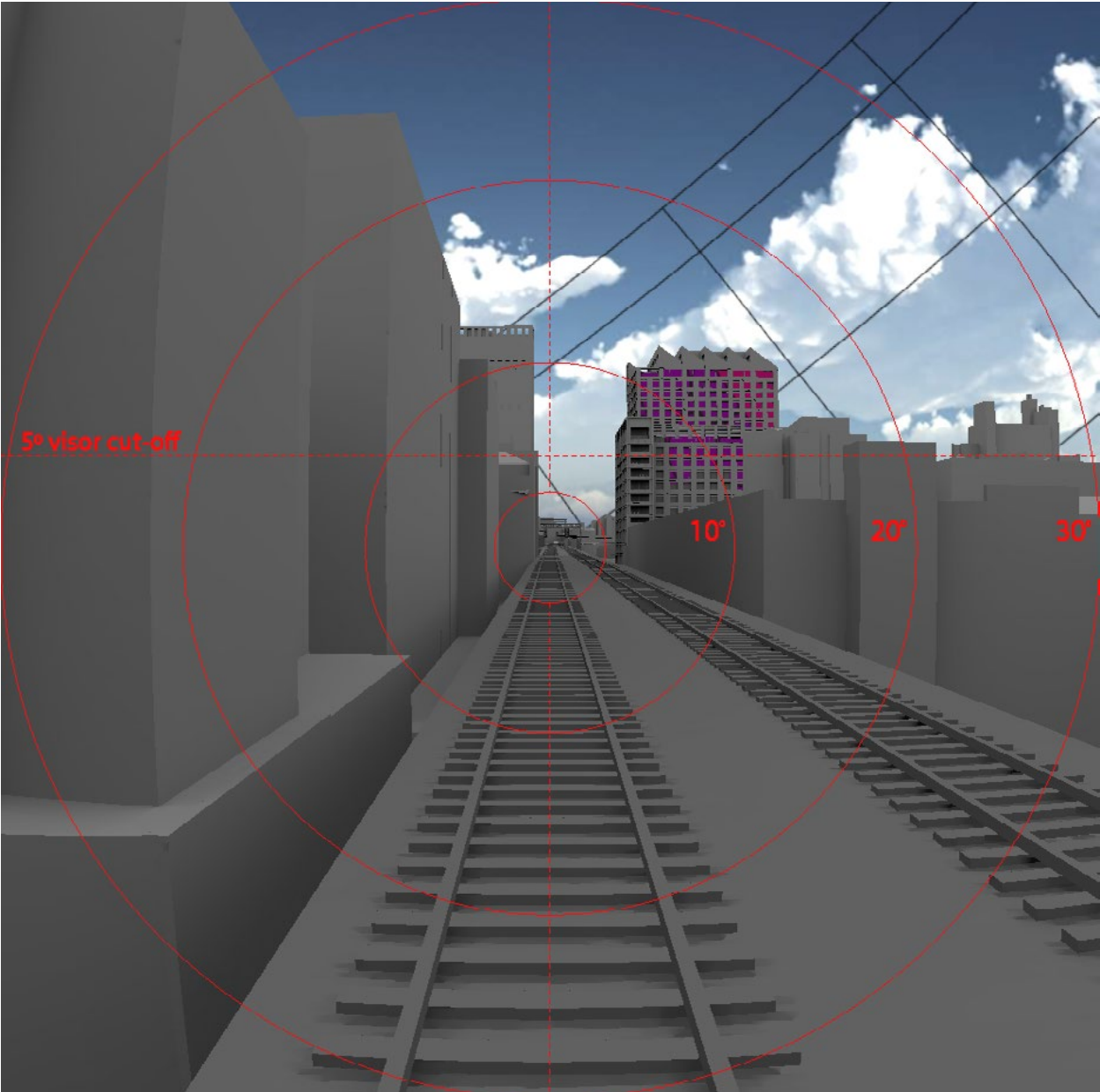
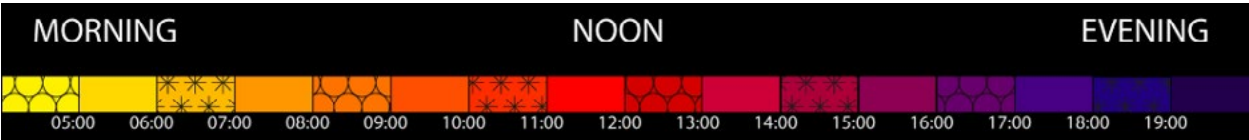


Fig. 49: Solar reflections



60° FIELD OF VIEW: SEASON
EASTBOUND VIEW 3- E3

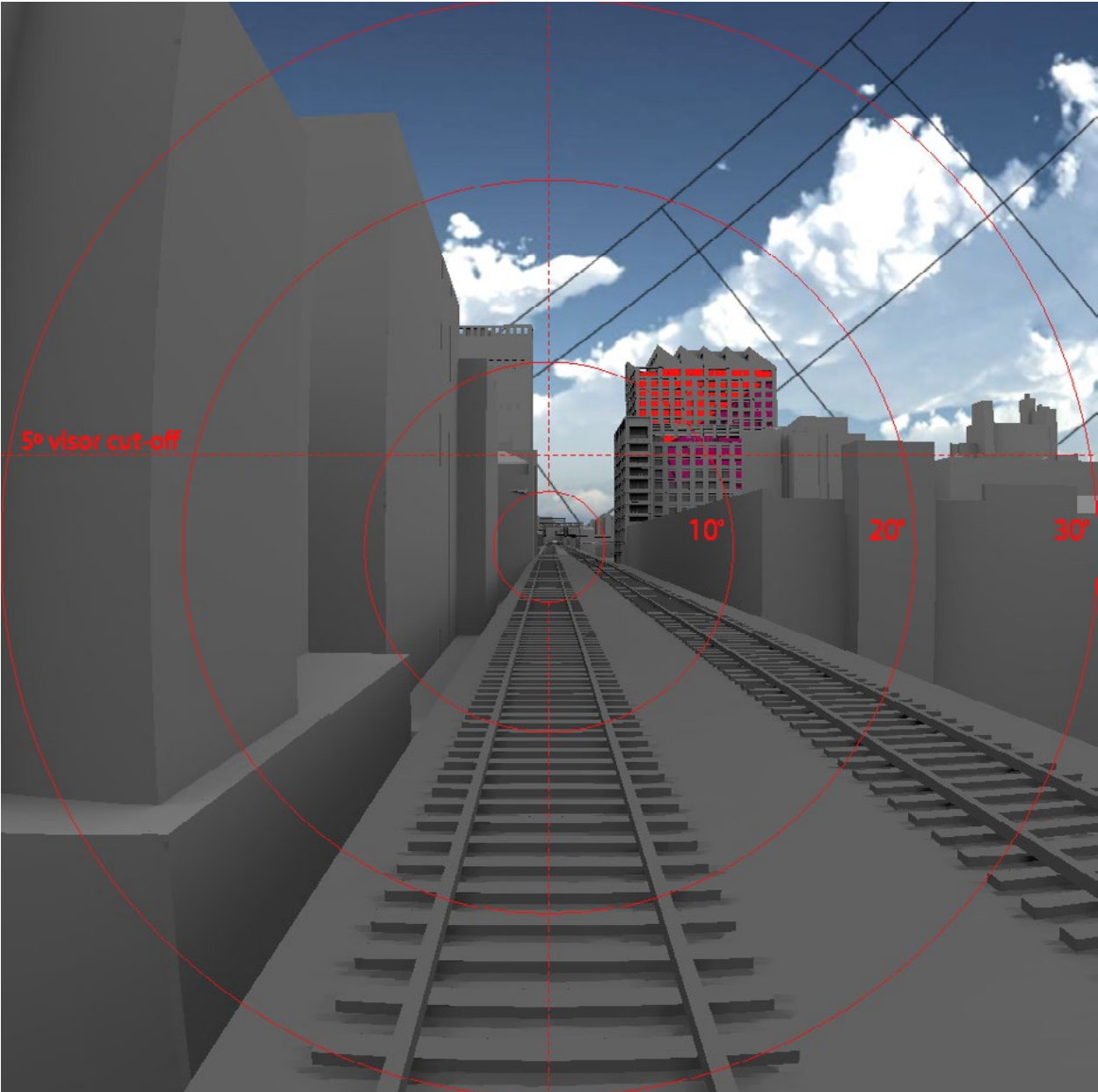


Fig. 50: Solar reflections





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