

Attachment to research report Light as Material

Documentation Fifteen Experiments on Light

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Attachment to research report Light as Material

Explore lab

MSc Architecture, Urbanism and Building Sciences

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4606612

Part of Graduation Project Architecture 2024/2025

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30.04.24 Meijendel
52°08'31.8"N 4°19'17.7"E

1. White fabric vertical element, filled with sand



White fabric vertical element, filled with sand; No. 1.

Date, time, place

30.04.24, 14:54, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 50.07°; Azimuth 208.56°; Sun South West position; Shadow length 1.46 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 2.

Date, time, place

30.04.24, 14:58, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 49.77°; Azimuth 209.99°; Sun South West position; Shadow length 1.48 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 3.

Date, time, place

30.04.24, 15:13, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 48.53°;
Azimuth 215.19°; Sun South West position; Shadow
length 1.55 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 4.

Date, time, place

30.04.24, 15:19, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 47.99°; Azi-
muth 217.21°; Sun South West position; Shadow
length 1.58 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



Speculation on white fabric vertical element, filled with sand; No. 4.



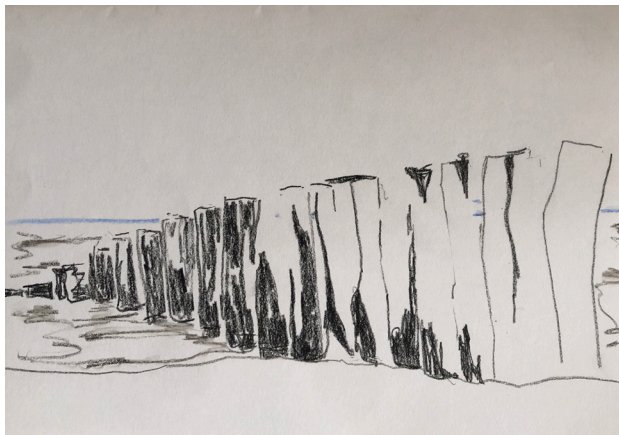
*Speculation on white fabric vertical element, filled with sand;
No. 4.*



*Speculation on white fabric vertical element, filled with sand;
No. 4.*



*Speculation on white fabric vertical element, filled with sand;
No. 4.*



*Speculation on white fabric vertical element, filled with sand;
No. 4.*



White fabric vertical element, filled with sand; No. 5.

Date, time, place

30.04.24, 15:24, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 47.52°; Azimuth 218.86°; Sun South West position; Shadow length 1.60 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 6.

Date, time, place

30.04.24, 15:36, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 46.32°; Azimuth 222.72°; Sun South West position; Shadow length 1.67 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 7.

Date, time, place

30.04.24, 15:53, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 44.47°; Azimuth 227.94°; Sun South West position; Shadow length 1.78 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 8.

Date, time, place

30.04.24, 15:58, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 43.89°; Azimuth 229.42°; Sun South West position; Shadow length 1.82 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 9.

Date, time, place

30.04.24, 15:04, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 43.42°; Azimuth 230.59°; Sun South West position; Shadow length 1.85 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



White fabric vertical element, filled with sand; No. 10.

Date, time, place

30.04.24, 16:06, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, White fabric, Light

Sun, source of light

Sunrise 06:13; Sunset 21:07; Altitude: 42.95°; Azimuth 231.74°; Sun South West position; Shadow length 1.88 m at an object length 1.75 m

Air, medium through which light travels

Clear, cloudless, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 46 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



Series of white fabric vertical element, filled with sand; No. 7 and variations.



Series of white fabric vertical element, filled with sand; No. 1,2,3,4,5,6,8,9,10.

08.05.24 Meijendel
52°08'31.8"N 4°19'17.7"E

2. Sand pile and its contra shape, a hole



Sand pile and its contra shape, a hole; No. 1.

Date, time, place

08.05.24, 12:16, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, Light

Sun, source of light

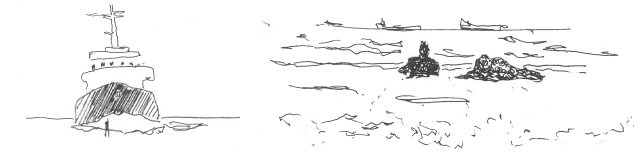
Sunrise 05:58; Sunset 21:20; Altitude: 51.49°;
Azimuth 147.02°; Sun South East position; Shadow
length 1.39 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 37 mm
Exposure: 1/40 sec; f/16; ISO 100; Manual



*Tension in the work of Guido van der Werve and the upcoming
sea*



Sand pile and its contra shape, a hole; No. 2.

Date, time, place

08.05.24, 12:34, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, Light

Sun, source of light

Sunrise 05:58; Sunset 21:20; Altitude: 52.86°;
Azimuth 153.16°; Sun South East position; Shadow
length 1.33 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 37 mm
Exposure: 1/40 sec; f/16; ISO 100; Manual



Sand pile and its contra shape, a hole; No. 3.

Date, time, place

08.05.24, 12:34, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, Light

Sun, source of light

Sunrise 05:58; Sunset 21:20; Altitude: 52.86°;
Azimuth 153.16°; Sun South East position; Shadow
length 1.33 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 37 mm
Exposure: 1/40 sec; f/16; ISO 100; Manual



Sand pile and its contra shape, a hole; No. 4.

Date, time, place

08.05.24, 13:50, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Sand, Light

Sun, source of light

Sunrise 05:58; Sunset 21:20; Altitude:
55.1°; Azimuth 184.51°; Sun South West
position; Shadow length 1.22 m at an ob-
ject length 1.75 m

Air, medium through which light travels

Cloudy, windless, calm

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 37 mm
Exposure: 1/40 sec; f/16; ISO 100; Manual



Sand pile and its contra shape, a hole; No. 5.



Speculation on sand pile and its' contra shape, a hole; No. 1.

Date, time, place

08.05.24, 13:55, Meijendel

52°08'31.8"N 4°19'17.7"E

Materials

Sand, Light

Sun, source of light

Sunrise 05:58; Sunset 21:20; Altitude: 55.03°; Azimuth 186.59°; Sun South West position; Shadow length 1.22 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, windless, calm

Camera, eye of the observer

Camera direction: towards North West

Focal Length: 37 mm

Exposure: 1/40 sec; f/16; ISO 100; Manual

10.05.24 Ouddorp
51°48'04.2"N 3°51'23.0"E

3. White fabric screen



White fabric screen; No. 1.

Date, time, place

10.05.24, 14:03, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

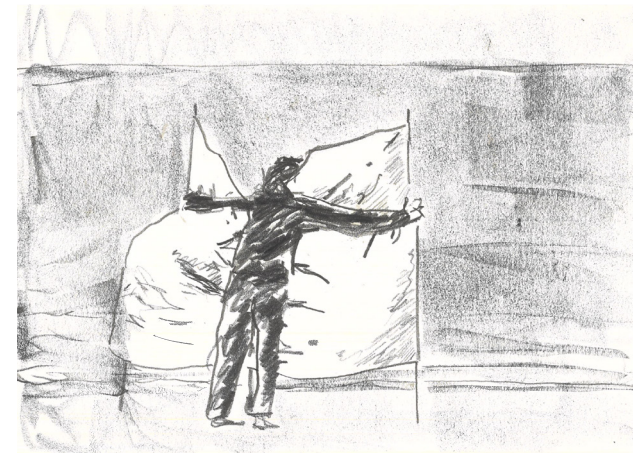
Sunrise 05:58; Sunset 21:24; Altitude: 55.74°; Azimuth 189.36°; Sun South position; Shadow length 1.19 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/85 sec; f/16; ISO 100; Shutter priority



Speculation on white fabric screen; No. x



White fabric screen; No. 2.

Date, time, place

10.05.24, 14:03, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 55.74°; Azimuth 189.36°; Sun South position; Shadow length 1.19 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West

Focal Length: 50 mm

Exposure: 1/85 sec; f/16; ISO 100; Shutter priority



White fabric screen; No. 3.

Date, time, place

10.05.24, 14:43, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 53.89°; Azimuth 205.6°; Sun South West position; Shadow length 1.28 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West

Focal Length: 50 mm

Exposure: 1/125 sec; f/18; ISO 100; Shutter priority



White fabric screen; No. 4.

Date, time, place

10.05.24, 14:52, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 53.25°; Azimuth 209.04°; Sun South West position; Shadow length 1.31 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West

Focal Length: 50 mm

Exposure: 1/125 sec; f/18; ISO 100; Shutter priority



White fabric screen; No. 5.

Date, time, place

10.05.24, 14:53, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 53.18°; Azimuth 209.42°; Sun South West position; Shadow length 1.31 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/18; ISO 100; Shutter priority



White fabric screen; No. 6.

Date, time, place

10.05.24, 15:07, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 52.03°; Azimuth 214.57°; Sun South West position; Shadow length 1.37 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/18; ISO 100; Shutter priority



White fabric screen; No. 7.

Date, time, place

10.05.24, 15:11, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 51.68°; Azimuth 216.60°; Sun South West position; Shadow length 1.38 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



White fabric screen; No. 8.

Date, time, place

10.05.24, 15:13, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 51.49°; Azimuth 216.71°; Sun South West position; Shadow length 1.39 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



White fabric screen; No. 9.

Date, time, place

10.05.24, 15:13, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 51.49°; Azimuth 216.71°; Sun South West position; Shadow length 1.39 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



White fabric screen; No. 10.

Date, time, place

10.05.24, 15:16, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

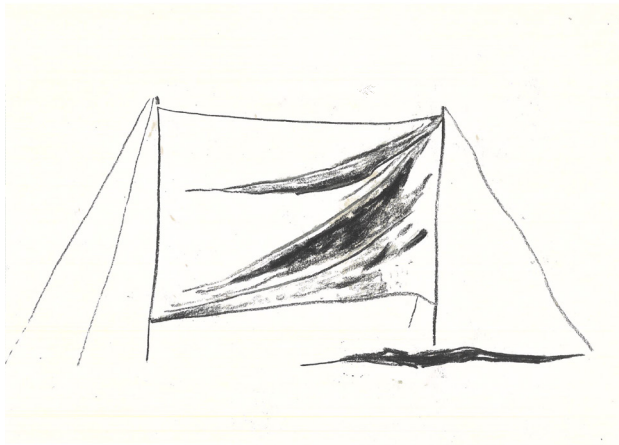
Sunrise 05:58; Sunset 21:24; Altitude: 51.21°; Azimuth 217.76°; Sun South West position; Shadow length 1.41 m at an object length 1.75 m

Air, medium through which light travels

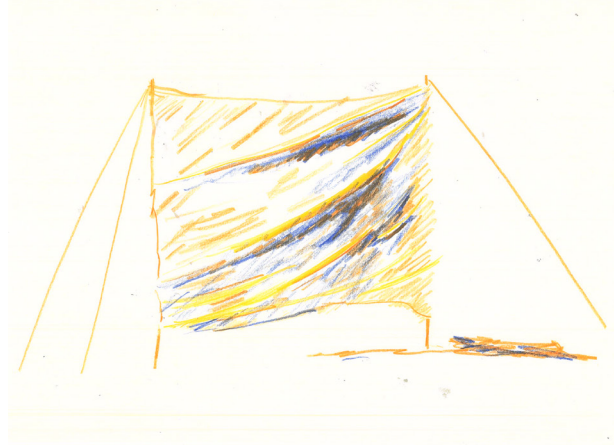
Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



Speculation on white fabric screen; No. 10.



Speculation on white fabric screen; No. 10.



White fabric screen; No. 11.

Date, time, place

10.05.24, 15:17, Ouddorp

51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 51.12°;

Azimuth 218.11°; Sun South West position; Shadow length 1.41 m at an object length 1.75 m

Air, medium through which light travels

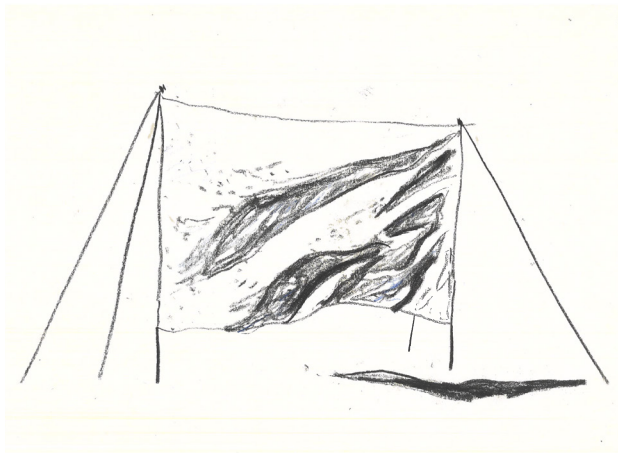
Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West

Focal Length: 50 mm

Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



Speculation on white fabric screen; No. 11.



White fabric screen; No. 12.

Date, time, place

10.05.24, 15:14, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 51.40°; Azimuth 217.06°; Sun South West position; Shadow length 1.40 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



White fabric screen; No. 13.

Date, time, place

10.05.24, 15:15, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 51.31°; Azimuth 217.41°; Sun South West position; Shadow length 1.40 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority

10.05.24 Ouddorp
51°48'04.2"N 3°51'23.0"E

4. Moving of white fabric screen



Moving of white fabric screen; No. 1.

Date, time, place

10.05.24, 14:03, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 55.74°; Azimuth 189.36°; Sun South position; Shadow length 1.19 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/85 sec; f/16; ISO 100; Shutter priority



Moving of white fabric screen; No. 2.

Date, time, place

10.05.24, 14:22, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 55.07°; Azimuth 197.24°; Sun South position; Shadow length 1.22 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/22; ISO 100; Shutter priority



Moving of white fabric screen; No. 3.

Date, time, place

10.05.24, 14:22, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 55.07°; Azimuth 197.24°; Sun South position; Shadow length 1.22 m at an object length 1.75 m

Air, medium through which light travels

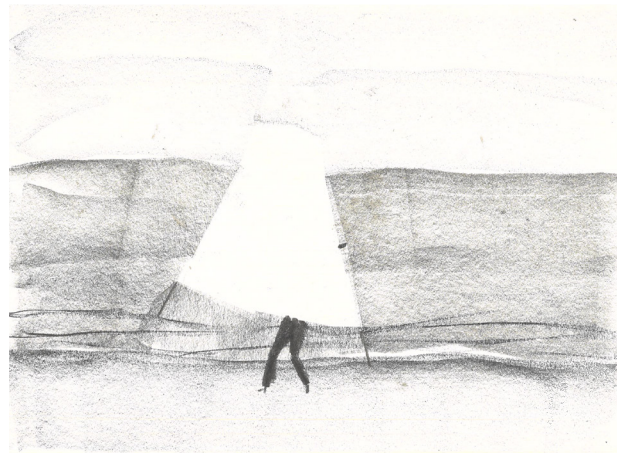
Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West

Focal Length: 50 mm

Exposure: 1/125 sec; f/20; ISO 100; Shutter priority



Speculation on moving of white fabric screen; No. 3.



Speculation on moving of white fabric screen; No. 3, turning white cloth black.



Speculation on moving of white fabric screen; No. 3, reversion of light in greys.



Speculation on moving of white fabric screen; No. 3, reversion of greys in colour.

10.05.24 Ouddorp
51°48'04.2"N 3°51'23.0"E

5. White fabric dancing in the air



White fabric dancing in the air; No. 1.

Date, time, place

10.05.24, 15:24, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 50.43°; Azimuth 220.51°; Sun South West position; Shadow length 1.48 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



White fabric dancing in the air; No. 2.

Date, time, place

10.05.24, 15:27, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 50.13°; Azimuth 221.52°; Sun South West position; Shadow length 1.46 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/16; ISO 100; Shutter priority



White fabric dancing in the air; No. 3.

Date, time, place

10.05.24, 15:29, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 49.92°; Azimuth 222.19°; Sun South West position; Shadow length 1.47 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/14; ISO 100; Shutter priority



White fabric dancing in the air; No. 4.

Date, time, place

10.05.24, 15:30, Ouddorp
51°49'06.9"N 3°52'11.2"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:58; Sunset 21:24; Altitude: 49.82°; Azimuth 222.52°; Sun South West position; Shadow length 1.48 m at an object length 1.75 m

Air, medium through which light travels

Clear, sunny, bright, equable, windy

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 50 mm
Exposure: 1/125 sec; f/14; ISO 100; Shutter priority

13.05.24 Meijendel
52°08'31.8"N 4°19'17.7"E

6. Glass stacking into vertical element, filled with air



Glass stacking into vertical element; No. 1.

Date, time, place

13.05.24, 16:11, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:50; Sunset 21:28; Altitude: 45.27°; Azimuth 235.96°; Sun South West position; Shadow length 1.73 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, rainy, grey

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 39 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



Glass stacking into vertical element; No. 2.

Date, time, place

13.05.24, 16:14, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:50; Sunset 21:28; Altitude: 44.89°; Azimuth 236.81°; Sun South West position; Shadow length 1.73 m at an object length 1.76 m

Air, medium through which light travels

Cloudy, rainy, grey

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 39 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



Glass stacking into vertical element; No. 3.

Date, time, place

13.05.24, 16:17, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Glass, Light

Sun, source of light

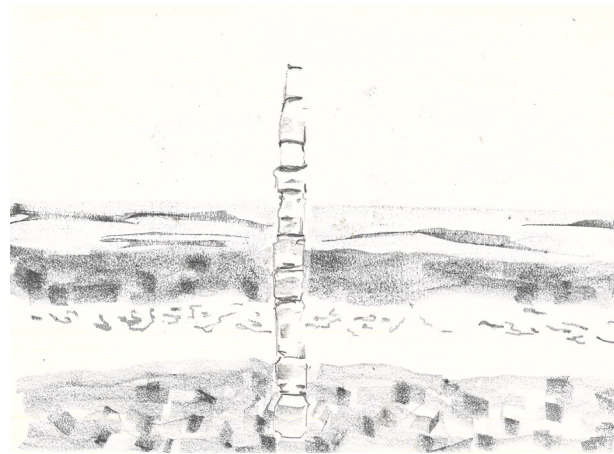
Sunrise 05:50; Sunset 21:28; Altitude: 45.50°; Azimuth 237.65°; Sun South West position; Shadow length 1.78 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, rainy, grey

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 39 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



Speculation on glass stacking into vertical element; No. 3.



Glass stacking into vertical element; No. 4.

Date, time, place

13.05.24, 16:19, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:50; Sunset 21:28; Altitude: 44.24°; Azimuth 238.20°; Sun South West position; Shadow length 1.80 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, rainy, grey

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 39 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual

13.05.24 Meijendel
52°08'31.8"N 4°19'17.7"E

7. Glass stacking into screen, filled with air or water



Glass stacking into screen, filled with air or water; No. 1.

Date, time, place

13.05.24, 15:52, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:50; Sunset 21:28; Altitude: 47.60°; Azimuth 230.37°; Sun South West position; Shadow length 1.60 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, rainy, grey

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 39 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



Glass stacking into screen, filled with air or water; No. 2.

Date, time, place

13.05.24, 16:33, Meijendel
52°08'31.8"N 4°19'17.7"E

Materials

Glass, Water, Light

Sun, source of light

Sunrise 05:50; Sunset 21:28; Altitude: 42.39°; Azimuth 241.97°; Sun South West position; Shadow length 1.92 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, rainy, grey

Camera, eye of the observer

Camera direction: towards North West
Focal Length: 39 mm
Exposure: 1/80 sec; f/16; ISO 100; Manual



Glass stacking into screen, filled with air or water; No. 3.

Date, time, place

13.05.24, 16:44, Meijendel

52°08'31.8"N 4°19'17.7"E

Materials

Glass, Water, Light

Sun, source of light

Sunrise 05:50; Sunset 21:28; Altitude: 40.88°; Azimuth 244.82°; Sun South West position; Shadow length 2.02 m at an object length 1.75 m

Air, medium through which light travels

Cloudy, rainy, grey

Camera, eye of the observer

Camera direction: towards North West

Focal Length: 39 mm

Exposure: 1/80 sec; f/16; ISO 100; Manual

01.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

8. White fabric screen in the night



White fabric screen in the night; No. 1.

Date, time, place

01.06.24, 21:54, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -0.18°; Azimuth 308.82°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 0.6 sec; f/6.3; ISO 100; Manual



White fabric screen in the night; No. 2.

Date, time, place

01.06.24, 22:09, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -1.91°; Azimuth 311.8°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 47 mm
Exposure: 1/10 sec; f/6; ISO 400; Shutter priority



White fabric screen in the night; No. 3.

Date, time, place

01.06.24, 22:26, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -4.39°; Azimuth 315.25°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 47 mm
Exposure: 1/10 sec; f/6; ISO 400; Shutter priority



White fabric screen in the night; No. 4.

Date, time, place

01.06.24, 22:33, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -5.23°; Azimuth 316.69°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 47 mm
Exposure: 0.8 sec; f/6; ISO 400; Shutter priority



White fabric screen in the night; No. 5.

Date, time, place

01.06.24, 23:03, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -8.31°; Azimuth 323°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 0.5 sec; f/6.3; ISO 640; Manual



White fabric screen in the night; No. 6.

Date, time, place

01.06.24, 23:06, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -8.59°; Azimuth 323.64°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 0.8 sec; f/6.3; ISO 640; Manual



White fabric screen in the night; No. 7.

Date, time, place

01.06.24, 23:06, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -8.59°; Azimuth 323.64°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 10 sec; f/6.3; ISO 640; Manual



White fabric screen in the night; No. 8.

Date, time, place

01.06.24, 23:07, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -8.68°; Azimuth 323.86°; Sun below horizon; Quarter moon.

Air, medium through which light travels

Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 10 sec; f/6.3; ISO 640; Manual



White fabric screen in the night; No. 9.

Date, time, place

01.06.24, 23:07, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

White fabric, Light

Sun, source of light

Sunrise 05:32; Sunset 21:54; Altitude: -8.68°; Azimuth 323.86°; Sun below horizon; Quarter moon.

Air, medium through which light travels

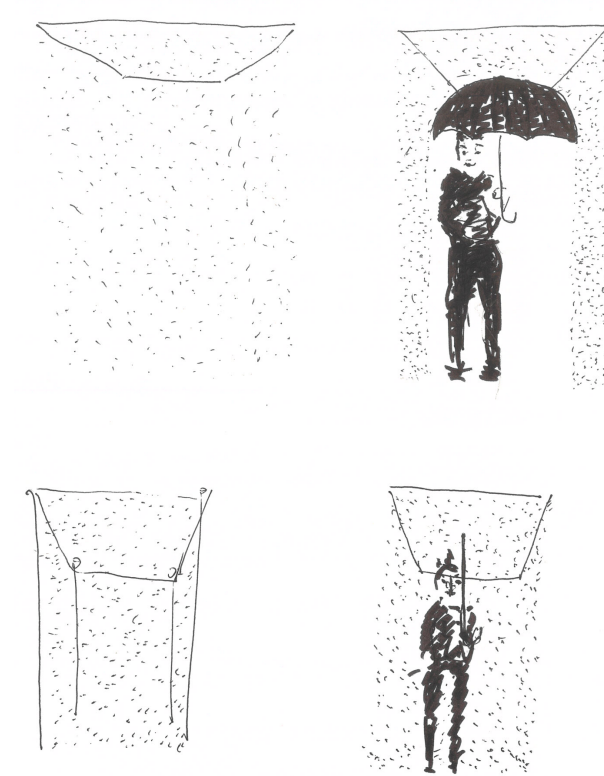
Windy, no rain. No crystal clear sky

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 47 mm
Exposure: 6 sec; f/6.3; ISO 640; Manual

02.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

9. Sand shower, the act of making



Speculation on making a sand shower



Sand shower, the act of making; No. 1

Date, time, place

02.06.24, 12:43, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 58,39°;
Azimuth 152,59°; Sun South East position; Shadow
length 1.08 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/400 sec; f/10; ISO 100; Shutter priority



Sand shower, the act of making; No. 2.

Date, time, place

02.06.24, 12:43, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 58,39°;
Azimuth 152,59°; Sun South East position; Shadow
length 1.08 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/400 sec; f/10; ISO 100; Shutter priority



Sand shower, the act of making; No. 3.

Date, time, place

02.06.24, 13:40, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.62°; Azi-
muth 178.46°; Sun South position; Shadow length
0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/400 sec; f/11; ISO 100; Shutter priority



Sand shower, the act of making; No. 4.

Date, time, place

02.06.24, 13:49, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.61°; Azi-
muth 182.70°; Sun South position; Shadow length
0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/400 sec; f/13; ISO 100; Shutter priority



Sand shower, the act of making; No. 5.

Date, time, place

02.06.24, 12:52, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 58.99°; Azimuth 156.52°; Sun South position; Shadow length 1.05 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/400 sec; f/10; ISO 100; Shutter priority



Sand shower, the act of making; No. 6.

Date, time, place

02.06.24, 13:49, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.61°; Azimuth 182.70°; Sun South position; Shadow length 0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/400 sec; f/11; ISO 100; Shutter priority



Sand shower, the act of making; No. 7.

Date, time, place

02.06.24, 13:36, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.59°; Azimuth 176.57°; Sun South position; Shadow length 0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/400 sec; f/11; ISO 100; Shutter priority



Sand shower, the act of making; No. 8.

Date, time, place

02.06.24, 13:49, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.61°; Azimuth 182.70°; Sun South position; Shadow length 0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/400 sec; f/11; ISO 100; Shutter priority



Sand shower, the act of making; No. 9.

Date, time, place

02.06.24, 13:36, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.59°; Azimuth 176.57°; Sun South position; Shadow length 0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/400 sec; f/11; ISO 100; Shutter priority



Sand shower, the act of making; No. 10.

Date, time, place

02.06.24, 13:51, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.59°; Azimuth 183.34°; Sun South position; Shadow length 0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/400 sec; f/11; ISO 100; Shutter priority



Sand shower, the act of making; No. 11.

Date, time, place

02.06.24, 13:40, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.62°; Azi-
muth 178.46°; Sun South position; Shadow length
0.99 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/400 sec; f/11; ISO 100; Shutter priority

02.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

10. Sand shower, close up



Sand shower, close up; No. 1.



Sand shower, close up; No. 2.

Date, time, place

02.06.24, 14:14, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.03°; Azi-
muth 194.33°; Sun South position; Shadow length
1.01 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter prio-
rity

Date, time, place

02.06.24, 14:14, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.03°; Azi-
muth 194.33°; Sun South position; Shadow length
1.01 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter prio-
rity



Sand shower, close up; No. 3.

Date, time, place

02.06.24, 14:14, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 60.03°; Azimuth 194.33°; Sun South position; Shadow length 1.01 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Sand shower, close up; No. 4.

Date, time, place

02.06.24, 14:17, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 59.91°; Azimuth 195.70°; Sun South position; Shadow length 1.01 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Sand shower, close up; No. 5.

Date, time, place

02.06.24, 14:17, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 59.91°; Azimuth 195.70°; Sun South position; Shadow length 1.01 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Sand shower, close up; No. 6.

Date, time, place

02.06.24, 14:23, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 59.64°; Azimuth 198.40°; Sun South position; Shadow length 1.03 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Sand shower, close up; No. 7.

Date, time, place

02.06.24, 14:23, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Sand, Wooden perforated plate, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 59.64°; Azimuth 198.40°; Sun South position; Shadow length 1.03 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Speculation on making of light shower

02.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

11. Black fabric screen



Black fabric screen; No. 1.

Date, time, place

02.06.24, 15:10, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 56.20°; Azimuth 217.89°; Sun South West position; Shadow length 1.17 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Black fabric screen; No. 2.

Date, time, place

02.06.24, 15:11, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 56.20°; Azimuth 217.89°; Sun South West position; Shadow length 1.17 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Black fabric screen; No. 3.

Date, time, place

02.06.24, 15:12, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 56.00°; Azimuth 218.65°; Sun South West position; Shadow length 1.18 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Black fabric screen; No. 4.

Date, time, place

02.06.24, 15:10, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 56.20°; Azimuth 217.89°; Sun South West position; Shadow length 1.17 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Black fabric screen; No. 5.

Date, time, place

02.06.24, 15:12, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 56.00°; Azimuth 218.65°; Sun South West position; Shadow length 1.18 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority

02.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

12. Moving with black fabric screen



Moving with black fabric screen; No. 1.

Date, time, place

02.06.24, 15:26, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 54.58°; Azimuth 223.75°; Sun South West position; Shadow length 1.24 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Moving with black fabric screen; No. 2.

Date, time, place

02.06.24, 15:28, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 54.36°; Azimuth 224.45°; Sun South West position; Shadow length 1.25 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Moving with black fabric screen; No. 3.

Date, time, place

02.06.24, 15:28, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 54.36°; Azimuth 224.45°; Sun South West position; Shadow length 1.25 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Moving with black fabric screen; No. 4.

Date, time, place

02.06.24, 15:29, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 54.25°; Azimuth 224.80°; Sun South West position; Shadow length 1.26 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Moving with black fabric screen; No. 5.

Date, time, place

02.06.24, 15:29, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 54.25°; Azimuth 224.80°; Sun South West position; Shadow length 1.26 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Moving with black fabric screen; No. 6.

Date, time, place

02.06.24, 15:29, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 54.25°; Azimuth 224.80°; Sun South West position; Shadow length 1.26 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority

Light observations

Intensity of the black is high, both of the clothes

02.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

13. Black fabric dancing in the air



Black fabric dancing in the air; No. 1.



Black fabric dancing in the air; No. 2.

Date, time, place

02.06.24, 14:55, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 57.53°; Azimuth 212.03°; Sun South West position; Shadow length 1.11 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority

Date, time, place

02.06.24, 14:55, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 57.53°; Azimuth 212.03°; Sun South West position; Shadow length 1.11 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Black fabric dancing in the air; No. 3.

Date, time, place

02.06.24, 14:55, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 57.53°; Azimuth 212.03°; Sun South West position; Shadow length 1.11 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority



Black fabric dancing in the air; No. 4.

Date, time, place

02.06.24, 14:55, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Black fabric, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 57.53°; Azimuth 212.03°; Sun South West position; Shadow length 1.11 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 50 mm

Exposure: 1/2000 sec; f/6.3; ISO 100; Shutter priority

02.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

14. Seeing through bottom glass jar



Seeing through bottom glass jar; No. 1.

Date, time, place

02.06.24, 15:50, Westenschouwen
51°40'12.5"N 3°42'10.9"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude:
51.82°; Azimuth 231.80°; Sun South West
position; Shadow length 1.38 m at an ob-
ject length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to
time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/200 sec; f/16; ISO 100; Shut-
ter priority



Seeing through bottom glass jar; No. 2.

Date, time, place

02.06.24, 15:45, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 52.42°; Azi-
muth 230.19°; Sun South West position; Shadow
length 1.35 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West
Focal Length: 50 mm
Exposure: 1/200 sec; f/18; ISO 100; Shutter priority

02.06.24 Westenschouwen
51°40'12.5"N 3°42'10.9"E

15. Seeing through edges of glass jar



Seeing through edges of glass jar; No. 1.

Date, time, place

02.06.24, 15:57, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 50.96°; Azimuth 233.99°; Sun South West position; Shadow length 1.42 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 46 mm

Exposure: 1/200 sec; f/18; ISO 100; Shutter priority



Seeing through edges of glass jar; No. 2.

Date, time, place

02.06.24, 15:49, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 51.94°; Azimuth 231.48°; Sun South West position; Shadow length 1.37 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 46 mm

Exposure: 1/200 sec; f/18; ISO 100; Shutter priority



Seeing through edges of glass jar; No. 3.

Date, time, place

02.06.24, 15:54, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 51.33°; Azimuth 233.06°; Sun South West position; Shadow length 1.40 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 46 mm

Exposure: 1/200 sec; f/18; ISO 100; Shutter priority



Seeing through edges of glass jar; No. 4.

Date, time, place

02.06.24, 15:55, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 51.21°; Azimuth 233.37°; Sun South West position; Shadow length 1.41 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 46 mm

Exposure: 1/200 sec; f/18; ISO 100; Shutter priority



Seeing through edges of glass jar; No. 5.

Date, time, place

02.06.24, 15:55, Westenschouwen 51°40'12.5"N
3°42'10.9"E

Materials

Glass, Light

Sun, source of light

Sunrise 05:31; Sunset 21:55; Altitude: 51.21°; Azimuth 233.37°; Sun South West position; Shadow length 1.41 m at an object length 1.75 m

Air, medium through which light travels

Soft, sun breaking through from time to time, windy

Camera, eye of the observer

Camera direction: towards South West

Focal Length: 46 mm

Exposure: 1/200 sec; f/18; ISO 100; Shutter priority