

Brightness: **62 lux**

Covering:

Experiment 1

Niche Sandwich

Size: **5 cm**

Movement:

Boreholes

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
10 + 0	-	++			
10 + 10	++	++			
10 + 20	++	--			
10 + 30	--				
20 + 0	--	++			
20 + 10	++	--			
20 + 20	++				
20 + 30	++				
20 + 40	--				
30 + 0	-				
30 + 10	--				
60 + 0			++	++	++
60 + 30			++	++	++
60 + 60			--	--	++
60 + 90					++
60 + 100					--
80 + 0			--	-	++
80 + 20			--	--	++
80 + 40				--	++
80 + 100					++
80 + 120					--
100 + 0			--	--	-
100 + 50					++
100 + 90					++
100 + 100					--
150 + 0					-
150 + 50					-

Brightness: 0 lux

Covering:

Experiment 1

Niche Sandwich

Size: 10 cm

Movement:

Boreholes

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
80 + 0			--	++	-
80 + 30			++	++	++
80 + 60			++ > 10*	++	++
80 + 90			--	--	++
80 + 120					--
100 + 0			++	--	-
100 + 50			--	++	++
100 + 80				--	++
100 + 140					++
100 + 160					++
100 + 180					++ > 10*
100 + 200					++ > 10*
100 + 220					--
140 + 0			--	--	- > 10*
140 + 50			--	--	- > 10*
140 + 100					++ > 10*
140 + 150					++ > 10*
140 + 200					--
170 + 50					- > 10*
170 + 100					- > 10*
170 + 150					- > 10*
170 + 200					--

Notes:

* It took over 10 seconds to recognize it

Brightness: 62 lux
Size: 10 cm

Covering: *
Movement:

Experiment 1

Boreholes

Niche Sandwich

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
80 + 0			++	++	
80 + 30			++	++	
80 + 60			--	++	
80 + 90				--	
100 + 0			-	++	
100 + 50			--	++	
100 + 80				--	
140 + 0			--	--	
140 + 50			--	--	

Notes:
* 33 % concealment that covers the markers at an angle



Brightness: **335 lux**

Covering:

Experiment 1

Niche Sandwich

Size: **10 cm**

Movement:

Boreholes

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
20 + 0	++	++			
20 + 20	++	++			
20 + 30	--	--			
30 + 0	++	++			
30 + 20	++	++			
30 + 30	--	++			
30 + 40		--			
40 + 0	++	++			
40 + 20	++	++			
40 + 40	++	++			
40 + 60	--	--			
50 + 0	++	++			
50 + 10	++	++			
50 + 20	--	++			
50 + 30	--	++			
50 + 50		++			
50 + 60		--			
60 + 0	++	++			
60 + 20	++	++			
60 + 40	-	++			
60 + 60	--	--			
70 + 0	-	++			
70 + 20	-	++			
70 + 40	--	--			
80 + 0	-	--			
80 + 20	-	--			
80 + 40	--				
90 + 0	--				

Brightness: **62 lux**

Covering:

Experiment 1

Niche Sandwich

Size: **15 cm**

Movement:

Boreholes

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
20 + 0	++	++			
20 + 10	++	++			
20 + 20	++	--			
20 + 30	--				
20 + 40					
30 + 0	++	++			
30 + 10	++	--			
30 + 20	++				
30 + 40	--				
30 + 60	--				
30 + 80					
40 + 0	++	--			
40 + 20	++	++			
40 + 40	++	--			
40 + 60	--				
40 + 80					
40 + 100					
50 + 0	++	--			
50 + 20	++	--			
50 + 40	++	--			
50 + 60	++				
50 + 80	--				
50 + 100					
60 + 0	++				
60 + 20	++				
60 + 40	++				
60 + 60	--				
60 + 80					
60 + 100					
80 + 0					
80 + 20	++				
80 + 40	++				
80 + 60	--				

Brightness: 10 lux

Experiment 2

Niche Sandwich

Movement:

Wall segments + running meter

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
20	++ *	++ *			
40	--	-			
60		--	++	++	++
80			++	++	++
100			++	++	++
120			++	++	++
140			--	++	-
160				--	-
180					-
200					-
250					-
300					-

Notes:
 * Scanned one after the other

Brightness: 10 lux

Experiment 2

Niche Sandwich

Movement:

Wall segments + running meter

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
20	++ *	++ *			
40	--	--			
60			++	++	++
80			--	++	++
100				--	++
120					++
140					++
160					++
180					++
200					++
240					++
260					--

Notes:

* Scanned one after the other

Movement:

4 boreholes

Distance: Vertical + Parallel	Plaintext	Code128	QR1	QR2	VuMark
right:					
50 + 50	--	--	++	++	++
100 + 100	--	--	++	++ (3)	++ (2)
150 + 150			--	--	--
200 + 200					--
left:					
50 + 50	--	--	++	++	++ (3)
100 + 100	--	--	++ (3)	++ (1)	++ (3)
150 + 150			--	--	--
200 + 200					--

Notes:

*(...) Number of recognized markers