















































































































Supplementary information

Class	POF length L (m)	Target image	0.1 m	0.5 m	1 m	5 m	10 m
0	Scrambled images						
	Reconstructed images						
1	Scrambled images						
	Reconstructed images						
2	Scrambled images						
	Reconstructed images						
3	Scrambled Images						
	Reconstructed images						
4	Scrambled images						
	Reconstructed images						
5	Scrambled images						
	Reconstructed images						
6	Scrambled images						
	Reconstructed images						
7	Scrambled images						
	Reconstructed images						
8	Scrambled images						
	Reconstructed images						
9	Scrambled images						
	Reconstructed images						

Supplementary figure 1 Example results for all class for various POF lengths (grayscale image)

Class	POF length L (m)	Target image	0.1 m	0.5 m	1 m	5 m	10 m
0	Scrambled images						
	Reconstructed images						
1	Scrambled images						
	Reconstructed images						
2	Scrambled images						
	Reconstructed images						
3	Scrambled Images						
	Reconstructed images						
4	Scrambled images						
	Reconstructed images						
5	Scrambled images						
	Reconstructed images						
6	Scrambled images						
	Reconstructed images						
7	Scrambled images						
	Reconstructed images						
8	Scrambled images						
	Reconstructed images						
9	Scrambled images						
	Reconstructed images						

Supplementary figure 2 Example results for all class for various POF lengths (color image)