Probability distributions for number of points in ambient pointcloud after filtering

Legend:
- Normal distribution : $location = 856.79933414$, $scale = 76.0530789035$
- Log Normal distribution : $location = -394.937051135$, $scale = 1249.42211965$, $shape = 0.0605688775744$
- Generalized Extreme Value distribution : $location = 824.925360762$, $scale = 73.8096956393$, $shape = 0.141062108325$

X-axis: Pointcloud size

Y-axis: Histogram bin count percentage [0..1] | Probability distribution function value