



中赤外 2um帯 Mirrors



この製品はCaF₂基盤の2um帯ミラーです。

材質: CaF₂

サイズ: φ 25.4mm, Plano/Plano

Thickness: 6mm

Clear aperture: >90%

Surface quality: 60-40, S-D

Surface flatness : < λ/8 @ 632.8mm

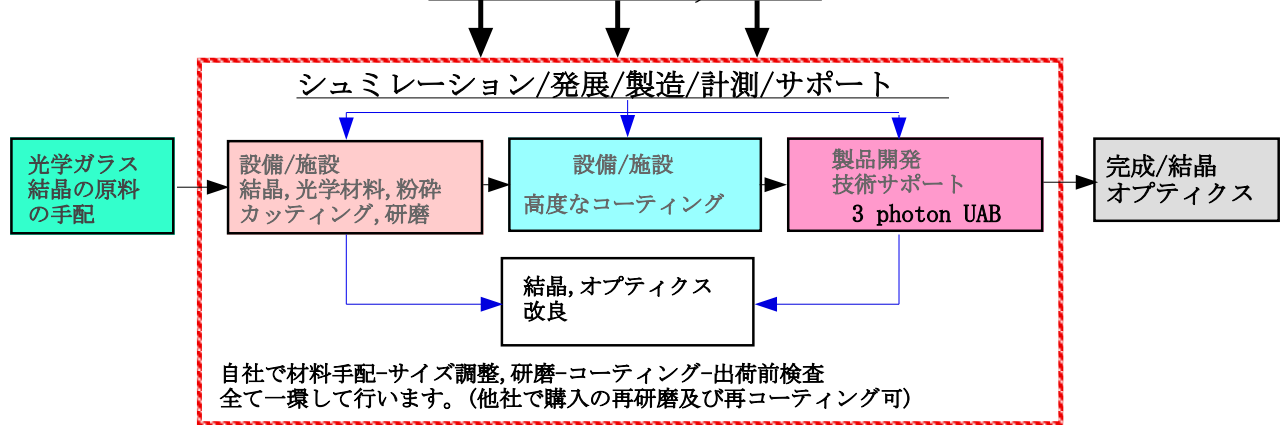
コーティング: S1/S2: HR > 99.5% @ 4000-5000nm + HT > 98% @ 2940nm / AR < 1% @ 2940 (御指定頂けます。)

AI0: 45°

コーティングに関して高技術の施設でコーティングを行っております。
スタンダードモデル (EBE) または、(IAD) 技術。BK7 or Fused Silica glasses
High モデルイオンビームスパッタリング (IBS) 技術を提供できます。

弊社より光学結晶/光学ミラー/光学光学を仕様に合わせて提供します。

AMISTAR, INC.



詳しい問い合わせ: 有限会社アミスター
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下記は、一例でございます。
データシートを参照くださいませ。

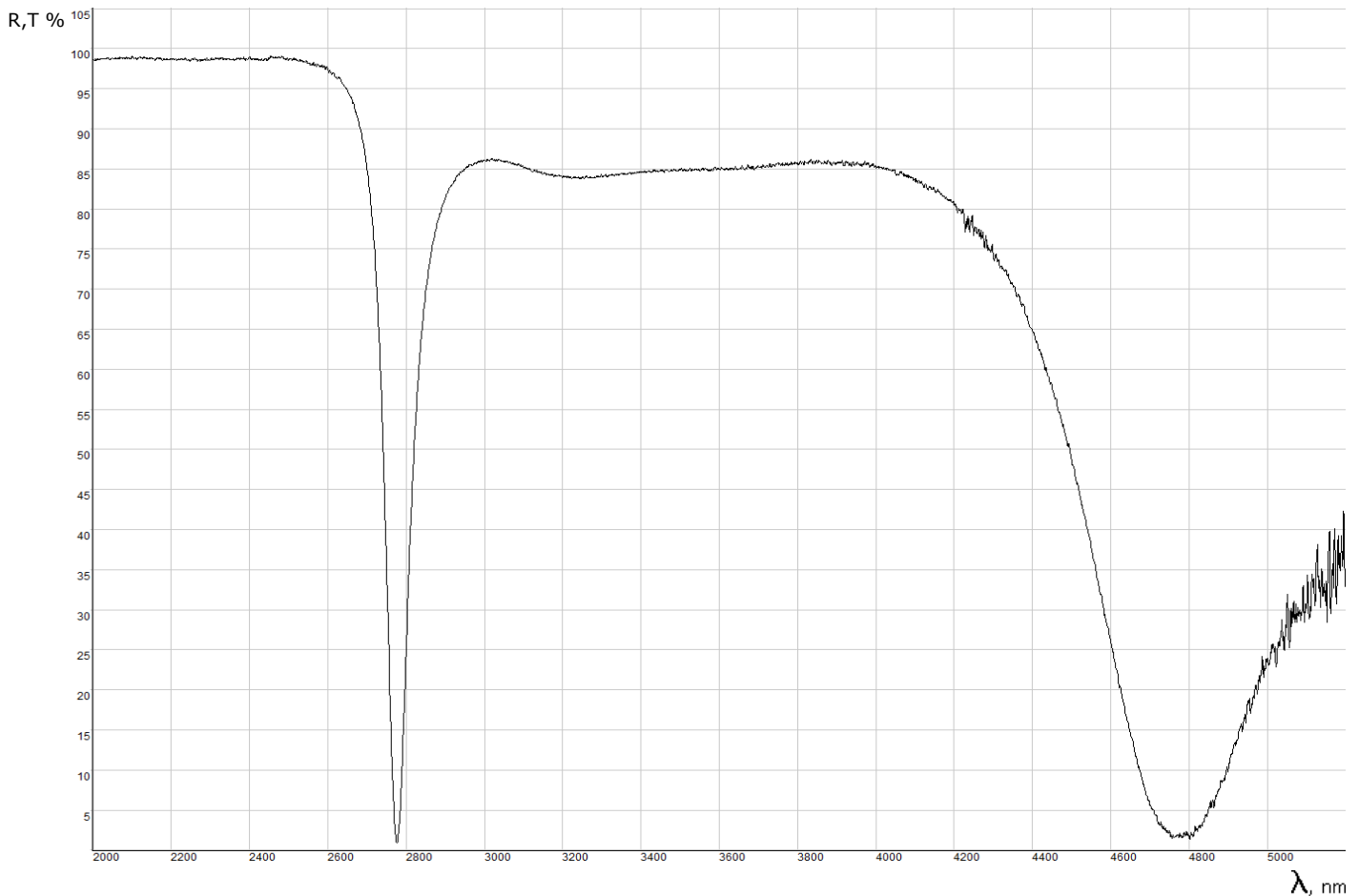
CaF2 dia 25.4x6.35 mm, Plano/Plano
Surface quality: 40/20 S/D
Flatness: L/6 @ 632 nm
Parallelism: <1 arcmin
S1: AR<0.5% @ 2000-2500nm, AOI = 0 deg.
S2: HR >98.5% @ 3000-4000nm+**HT>90% @ 2000-2500**, AOI = 0 deg.

CaF2 dia 25.4x6.35 mm, Plano/Plano
Surface quality: 40/20 S/D
Flatness: L/6 @ 632 nm
Parallelism: <1 arcmin
S1: R=85%+/-5% @ 3000-4000nm, AOI = 0 deg.
S2: AR<0.5% @ 3000-4000nm, AOI = 0 deg.

CaF2 dia 25.4x6.35 mm, Plano/Plano
Surface quality: 40/20 S/D
Flatness: L/6 @ 632 nm
Parallelism: <1 arcmin
S1: R=85%+/-5% @ 3000-4000nm+ HR>98.5% @
2000-2500nm, AOI = 0 deg.
S2: AR<0.5% @ 3000-4000nm, AOI = 0 deg.

 : Photon RT spectrophotometer

15/05/2020 10:14



— A : (R) "11862.res"



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Created: 15-05-2020 09:30:35

Average time: ms

A : (R) "11862.res" : Measurement data

λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%
2000	98.575	2320	98.784	2640	95.450	2960	85.395	3280	83.952	3600	84.960
2010	98.603	2330	98.797	2650	94.838	2970	85.440	3290	84.040	3610	84.966
2020	98.673	2340	98.667	2660	93.889	2980	85.742	3300	84.125	3620	85.083
2030	98.711	2350	98.669	2670	92.103	2990	85.963	3310	84.211	3630	84.974
2040	98.759	2360	98.549	2680	90.535	3000	86.082	3320	84.179	3640	85.201
2050	98.823	2370	98.766	2690	88.330	3010	86.041	3330	84.224	3650	85.003
2060	98.689	2380	98.683	2700	84.943	3020	86.304	3340	84.347	3660	85.238
2070	98.896	2390	98.694	2710	80.807	3030	86.175	3350	84.397	3670	84.988
2080	98.840	2400	98.911	2720	74.692	3040	86.105	3360	84.319	3680	85.175
2090	98.800	2410	98.742	2730	64.900	3050	85.882	3370	84.525	3690	84.914
2100	99.006	2420	98.621	2740	52.658	3060	85.871	3380	84.457	3700	85.311
2110	98.722	2430	98.715	2750	35.662	3070	85.588	3390	84.647	3710	85.309
2120	98.987	2440	98.678	2760	16.654	3080	85.527	3400	84.593	3720	85.379
2130	98.857	2450	98.800	2770	3.794	3090	85.399	3410	84.632	3730	85.589
2140	98.768	2460	98.824	2780	1.691	3100	85.116	3420	84.758	3740	85.464
2150	98.783	2470	98.779	2790	10.983	3110	85.017	3430	84.684	3750	85.732
2160	98.651	2480	98.851	2800	24.690	3120	84.767	3440	84.793	3760	85.629
2170	98.700	2490	98.737	2810	38.617	3130	84.748	3450	84.778	3770	85.722
2180	98.723	2500	98.611	2820	49.777	3140	84.689	3460	84.638	3780	85.538
2190	98.632	2510	98.566	2830	58.241	3150	84.403	3470	84.726	3790	85.678
2200	98.695	2520	98.618	2840	64.608	3160	84.275	3480	84.795	3800	85.769
2210	98.635	2530	98.478	2850	69.546	3170	84.339	3490	84.733	3810	85.708
2220	98.663	2540	98.347	2860	73.203	3180	84.193	3500	84.833	3820	85.873
2230	98.643	2550	98.134	2870	76.111	3190	84.225	3510	84.831	3830	85.863
2240	98.558	2560	97.987	2880	78.270	3200	83.934	3520	84.878	3840	85.828
2250	98.586	2570	97.808	2890	79.976	3210	83.989	3530	84.948	3850	85.889
2260	98.783	2580	97.698	2900	81.312	3220	83.998	3540	84.966	3860	85.751
2270	98.549	2590	97.800	2910	82.565	3230	83.915	3550	84.854	3870	85.855
2280	98.617	2600	97.525	2920	83.152	3240	83.933	3560	84.896	3880	85.829
2290	98.685	2610	96.809	2930	84.114	3250	83.912	3570	84.792	3890	85.715
2300	98.647	2620	96.471	2940	84.578	3260	84.079	3580	84.812	3900	85.669
2310	98.657	2630	96.338	2950	84.946	3270	83.917	3590	85.142	3910	85.774



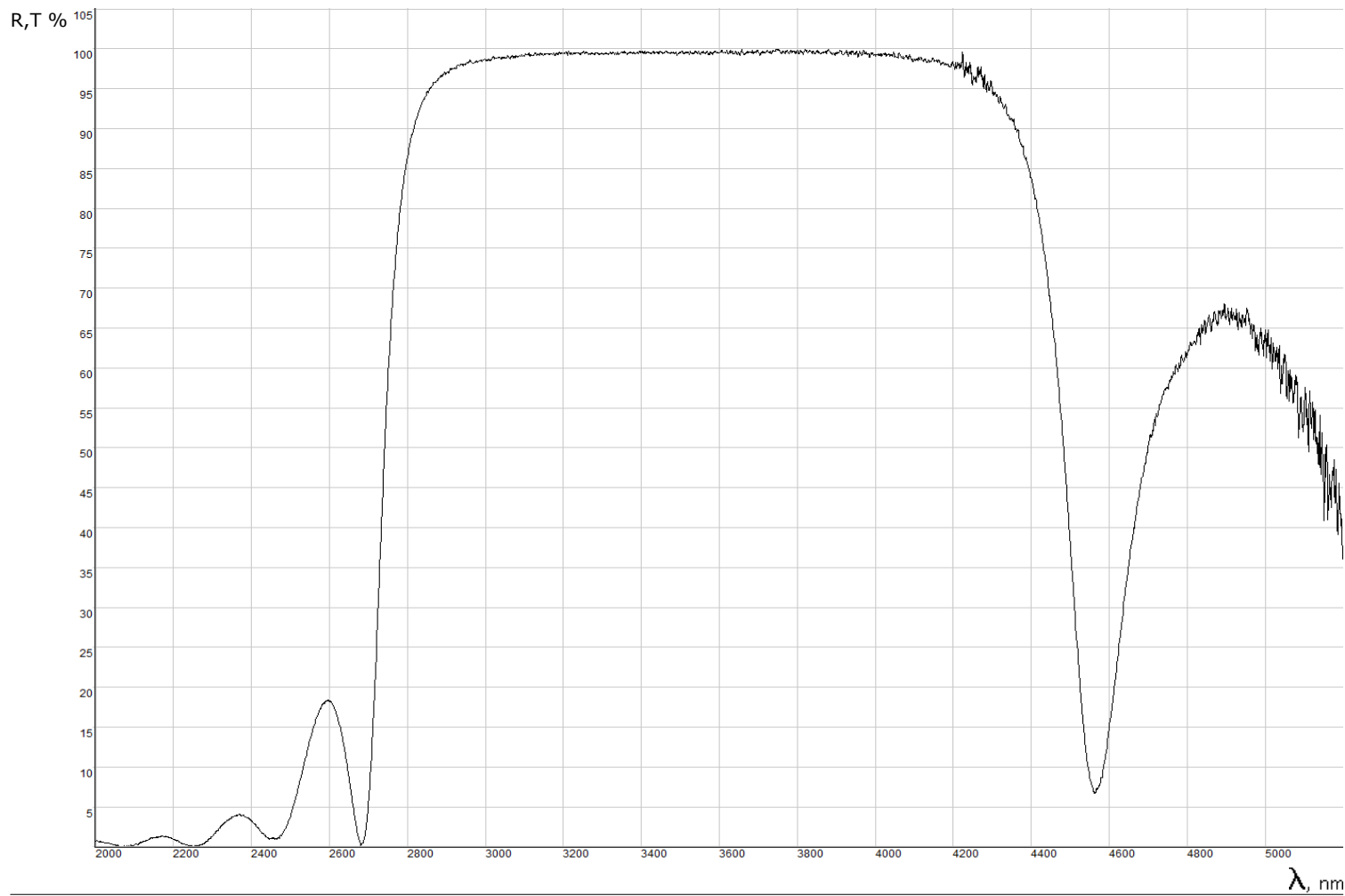
Average time: ms

A : (R) "11862.res" : Measurement data

λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%
3920	85.460	4140	82.703	4360	69.057	4580	30.737	4800	1.819	5020	25.365
3930	85.654	4150	82.326	4370	68.302	4590	28.108	4810	1.864	5030	26.044
3940	85.884	4160	82.202	4380	67.365	4600	26.093	4820	2.581	5040	26.189
3950	85.499	4170	81.586	4390	65.756	4610	23.487	4830	3.156	5050	29.803
3960	85.435	4180	81.382	4400	64.860	4620	20.987	4840	3.743	5060	30.226
3970	85.637	4190	81.135	4410	63.520	4630	19.048	4850	5.217	5070	28.448
3980	85.762	4200	80.547	4420	62.131	4640	16.665	4860	6.177	5080	29.696
3990	85.483	4210	79.998	4430	60.470	4650	14.635	4870	6.749	5090	31.605
4000	85.284	4220	79.497	4440	59.095	4660	12.727	4880	8.339	5100	30.524
4010	85.188	4230	77.900	4450	57.704	4670	10.447	4890	8.953	5110	30.360
4020	85.184	4240	77.224	4460	56.427	4680	8.864	4900	9.934	5120	32.833
4030	85.106	4250	76.676	4470	54.533	4690	7.058	4910	11.985	5130	34.187
4040	84.751	4260	76.950	4480	52.788	4700	5.593	4920	13.327	5140	34.521
4050	84.524	4270	76.276	4490	50.383	4710	5.007	4930	15.223	5150	33.615
4060	84.252	4280	76.142	4500	48.663	4720	3.463	4940	16.140	5160	34.661
4070	84.405	4290	74.775	4510	46.526	4730	3.201	4950	18.636	5170	32.687
4080	84.222	4300	74.391	4520	44.631	4740	2.675	4960	18.291	5180	38.266
4090	83.957	4310	73.370	4530	42.276	4750	2.456	4970	20.524	5190	38.577
4100	83.459	4320	72.814	4540	40.088	4760	1.648	4980	21.382	5200	34.485
4110	83.499	4330	72.309	4550	37.902	4770	1.802	4990	21.582		
4120	83.042	4340	71.489	4560	35.637	4780	1.720	5000	24.003		
4130	82.792	4350	70.404	4570	32.801	4790	2.061	5010	24.630		



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— A : (R) "11860.res"



Created: 15-05-2020 09:23:16

Average time: ms

A : (R) "11860.res" : Measurement data

λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%
2000	0.701	2320	2.435	2640	11.788	2960	98.523	3280	99.277	3600	99.487
2010	0.646	2330	2.979	2650	8.648	2970	98.209	3290	99.311	3610	99.511
2020	0.595	2340	3.369	2660	5.344	2980	98.380	3300	99.326	3620	99.817
2030	0.483	2350	3.730	2670	2.310	2990	98.461	3310	99.383	3630	99.508
2040	0.369	2360	3.891	2680	0.332	3000	98.598	3320	99.546	3640	99.606
2050	0.219	2370	4.103	2690	1.168	3010	98.522	3330	99.438	3650	99.446
2060	0.084	2380	3.933	2700	5.462	3020	99.018	3340	99.522	3660	99.568
2070	-0.028	2390	3.638	2710	13.103	3030	98.813	3350	99.560	3670	99.614
2080	0.053	2400	3.271	2720	23.654	3040	98.753	3360	99.452	3680	99.619
2090	0.150	2410	2.844	2730	36.419	3050	98.861	3370	99.503	3690	99.600
2100	0.224	2420	2.217	2740	47.827	3060	98.960	3380	99.549	3700	99.635
2110	0.354	2430	1.647	2750	58.381	3070	99.020	3390	99.478	3710	99.517
2120	0.562	2440	1.187	2760	67.287	3080	99.105	3400	99.545	3720	99.589
2130	0.790	2450	1.040	2770	73.876	3090	99.073	3410	99.471	3730	99.685
2140	0.984	2460	0.981	2780	79.182	3100	99.073	3420	99.491	3740	99.686
2150	1.136	2470	1.092	2790	83.217	3110	99.334	3430	99.618	3750	99.920
2160	1.174	2480	1.681	2800	86.267	3120	99.134	3440	99.557	3760	99.527
2170	1.367	2490	2.584	2810	88.928	3130	99.407	3450	99.639	3770	99.597
2180	1.350	2500	3.764	2820	90.850	3140	99.461	3460	99.593	3780	99.438
2190	1.196	2510	5.478	2830	92.250	3150	99.260	3470	99.510	3790	99.702
2200	0.977	2520	7.408	2840	93.512	3160	99.410	3480	99.447	3800	99.831
2210	0.762	2530	9.266	2850	94.499	3170	99.405	3490	99.413	3810	99.594
2220	0.462	2540	11.327	2860	95.144	3180	99.348	3500	99.498	3820	99.885
2230	0.252	2550	13.414	2870	95.735	3190	99.576	3510	99.405	3830	99.699
2240	0.133	2560	15.061	2880	96.221	3200	99.414	3520	99.593	3840	99.708
2250	-0.009	2570	16.521	2890	96.723	3210	99.289	3530	99.487	3850	99.774
2260	0.186	2580	17.612	2900	97.014	3220	99.405	3540	99.664	3860	99.397
2270	0.260	2590	18.260	2910	97.495	3230	99.413	3550	99.410	3870	99.610
2280	0.493	2600	18.184	2920	97.521	3240	99.463	3560	99.504	3880	99.941
2290	0.969	2610	17.647	2930	97.970	3250	99.505	3570	99.459	3890	99.305
2300	1.313	2620	16.342	2940	98.060	3260	99.528	3580	99.484	3900	99.369
2310	1.947	2630	14.568	2950	98.053	3270	99.275	3590	99.695	3910	99.820



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Created: 15-05-2020 09:23:16
Average time: ms

A : (R) "11860.res" : Measurement data

λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%	λ , nm	A—R,%
3920	99.378	4140	98.367	4360	89.864	4580	8.711	4800	61.703	5020	62.256
3930	99.113	4150	98.513	4370	88.628	4590	11.306	4810	62.899	5030	62.549
3940	99.669	4160	98.258	4380	87.451	4600	15.133	4820	63.332	5040	56.807
3950	99.266	4170	98.026	4390	85.668	4610	18.750	4830	64.841	5050	60.622
3960	99.619	4180	98.206	4400	83.829	4620	22.980	4840	64.319	5060	58.921
3970	99.810	4190	97.842	4410	81.269	4630	26.856	4850	65.216	5070	55.570
3980	99.399	4200	98.221	4420	78.906	4640	31.499	4860	65.198	5080	57.918
3990	99.366	4210	98.169	4430	75.497	4650	35.284	4870	67.018	5090	55.733
4000	99.235	4220	97.727	4440	72.142	4660	38.620	4880	66.553	5100	54.632
4010	99.243	4230	96.804	4450	67.461	4670	42.017	4890	67.150	5110	51.288
4020	99.368	4240	96.872	4460	63.301	4680	45.325	4900	66.070	5120	53.656
4030	99.270	4250	95.466	4470	57.865	4690	47.603	4910	65.862	5130	50.520
4040	99.304	4260	95.989	4480	51.856	4700	50.173	4920	66.293	5140	54.077
4050	98.964	4270	97.179	4490	45.061	4710	51.718	4930	64.774	5150	44.542
4060	99.292	4280	96.795	4500	38.049	4720	54.145	4940	65.061	5160	42.717
4070	98.872	4290	95.083	4510	30.990	4730	55.449	4950	65.323	5170	43.557
4080	99.145	4300	95.002	4520	24.050	4740	56.667	4960	66.155	5180	44.472
4090	99.105	4310	94.096	4530	17.364	4750	57.423	4970	65.076	5190	45.551
4100	98.669	4320	94.061	4540	11.901	4760	59.002	4980	62.596	5200	35.890
4110	98.742	4330	92.473	4550	8.706	4770	59.993	4990	64.132		
4120	98.594	4340	91.600	4560	6.695	4780	60.244	5000	63.328		
4130	98.648	4350	91.188	4570	7.324	4790	60.750	5010	62.230		



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