

PRECISION

OPTICAL IMAGING

1951 USAF Resolution Target Data

Group	Element	Frequency	Line Width (um)	Group	Element	Frequency	Line Width (um)
-6	1	0.015625	32000	-5	1	0.03125	16000
	2	0.0175375	28512		2	0.035075	14256
	3	0.0196875	25392		3	0.039375	12696
	4	0.0221	22624		4	0.0442	11312
	5	0.02480625	20160		5	0.0496125	10080
	6	0.0278375	17952		6	0.055675	8976
-4	1	0.0625	8000	-3	1	0.125	4000
	2	0.07015	7128		2	0.1403	3564
	3	0.07875	6348		3	0.1575	3174
	4	0.0884	5656		4	0.1768	2828
	5	0.099225	5040		5	0.19845	2520
	6	0.11135	4488		6	0.2227	2244
-2	1	0.25	2000	-1	1	0.5	1000
	2	0.2806	1782		2	0.5612	891
	3	0.315	1587		3	0.63	794
	4	0.3536	1414		4	0.7071	707
	5	0.3969	1260		5	0.7937	630
	6	0.4454	1122		6	0.8909	561
0	1	1	500	1	1	2	250
	2	1.122	445		2	2.245	223
	3	1.26	397		3	2.52	198
	4	1.414	354		4	2.828	177
	5	1.587	315		5	3.174	157
	6	1.782	281		6	3.564	140
2	1	4	125	3	1	8	62.5
	2	4.49	111		2	8.98	55.7
	3	5.04	99.2		3	10.08	49.6
	4	5.657	88.4		4	11.31	44.2
	5	6.35	78.7		5	12.7	39.4
	6	7.127	70.2		6	14.25	35.1
4	1	16	31.3	5	1	32	15.6
	2	17.96	27.8		2	35.92	13.9
	3	20.16	24.8		3	40.32	12.4
	4	22.63	22.1		4	45.25	11
	5	25.4	19.7		5	50.8	9.84
	6	28.51	17.5		6	57.02	8.77

6	1	64	7.81
	2	71.84	6.96
	3	80.63	6.2
	4	90.51	5.52
	5	101.6	4.92
	6	114	4.38

7	1	128	3.91
	2	143.7	3.48
	3	161.3	3.1
	4	181	2.76
	5	203.2	2.46
	6	228.1	2.19

8	1	256	1.95
	2	287.4	1.74
	3	322.5	1.55
	4	362	1.38
	5	406.4	1.23
	6	456.1	1.1

9	1	512	0.977
	2	574.7	0.87
	3	645.1	0.775
	4	724.1	0.691
	5	812.7	0.615
	6	912.3	0.548