

**TAYLOR-
HOBSON****COOKE**

DEPTH OF FIELD TABLES

f/and T Stops in FEET for

35m.m. SPEED PANCHRO Series II

and TELEPANCHRO LENSES

The following depth of field tables refer specifically to the particular optical designs used in these two lens ranges, since allowance has been made for the position of their nodal point relative to the film plane. The tables are based on a disc of confusion of 0.002 inches diameter.

In cases where it may be desirable to allow for a smaller disc of confusion the f and T numbers read from the tables may be increased by a factor equal to the reduction in the size of the disc. Thus the depth values listed at f/2.0 will be the depth obtained at a criterion for definition corresponding to a disc of confusion of 0.001 inches if the lens is set at f/4.0.

6 ins. f/2.8 T3.2 TELEPANCHRO

T Stops

U		APERTURE						
FEET		T/3.2	T/4.0	T/5.6	T/8.0	T/11.0	T/16.0	T/22.0
8.0	N	7' 10 $\frac{3}{4}$ "	7' 10 $\frac{1}{2}$ "	7' 9 $\frac{3}{4}$ "	7' 9"	7' 7 $\frac{3}{4}$ "	7' 6"	7' 4"
	F	8' 1 $\frac{1}{4}$ "	8' 1 $\frac{1}{2}$ "	8' 2 $\frac{1}{4}$ "	8' 3 $\frac{1}{4}$ "	8' 4 $\frac{1}{2}$ "	8' 6 $\frac{3}{4}$ "	8' 9 $\frac{1}{2}$ "
8.5	N	8' 4 $\frac{1}{2}$ "	8' 4 $\frac{1}{4}$ "	8' 3 $\frac{1}{2}$ "	8' 2 $\frac{1}{2}$ "	8' 1 $\frac{1}{4}$ "	7' 11 $\frac{1}{4}$ "	7' 9"
	F	8' 7 $\frac{1}{2}$ "	8' 7 $\frac{3}{4}$ "	8' 8 $\frac{1}{2}$ "	8' 9 $\frac{3}{4}$ "	8' 11 $\frac{1}{4}$ "	9' 1 $\frac{1}{4}$ "	9' 5"
9.0	N	8' 10 $\frac{1}{2}$ "	8' 10"	8' 9 $\frac{1}{4}$ "	8' 8"	8' 6 $\frac{3}{4}$ "	8' 4 $\frac{1}{2}$ "	8' 2"
	F	9' 1 $\frac{3}{4}$ "	9' 2"	9' 3"	9' 4 $\frac{1}{4}$ "	9' 6"	9' 8 $\frac{3}{4}$ "	10' 0 $\frac{1}{2}$ "
10.0	N	9' 10"	9' 9 $\frac{1}{2}$ "	9' 8 $\frac{1}{2}$ "	9' 7"	9' 5 $\frac{1}{2}$ "	9' 2 $\frac{1}{2}$ "	8' 11 $\frac{1}{2}$ "
	F	10' 2"	10' 2 $\frac{1}{2}$ "	10' 3 $\frac{1}{4}$ "	10' 5 $\frac{1}{4}$ "	10' 7 $\frac{1}{2}$ "	10' 11 $\frac{1}{4}$ "	11' 3 $\frac{1}{4}$ "
11.0	N	10' 9 $\frac{1}{2}$ "	10' 9"	10' 8"	10' 6"	10' 4"	10' 0 $\frac{1}{2}$ "	9' 9"
	F	11' 2 $\frac{1}{2}$ "	11' 3 $\frac{1}{2}$ "	11' 4 $\frac{1}{2}$ "	11' 6 $\frac{1}{2}$ "	11' 9 $\frac{1}{2}$ "	12' 2"	12' 8"
12.0	N	11' 9"	11' 8"	11' 7"	11' 5"	11' 2 $\frac{1}{2}$ "	10' 10 $\frac{1}{2}$ "	10' 6"
	F	12' 3"	12' 4"	12' 5 $\frac{1}{2}$ "	12' 8"	12' 11"	13' 5"	14' 0"
15.0	N	14' 7 $\frac{1}{2}$ "	14' 6"	14' 4"	14' 1"	13' 9"	13' 4"	12' 8 $\frac{1}{2}$ "
	F	15' 5"	15' 6 $\frac{1}{2}$ "	15' 9"	16' 1"	16' 6"	17' 3 $\frac{1}{2}$ "	18' 4"
17.0	N	16' 6"	16' 4 $\frac{1}{2}$ "	16' 1 $\frac{1}{2}$ "	15' 9 $\frac{1}{2}$ "	15' 5"	14' 9 $\frac{1}{2}$ "	14' 1"
	F	17' 6 $\frac{1}{2}$ "	17' 8"	17' 11 $\frac{1}{2}$ "	18' 5"	18' 11 $\frac{1}{2}$ "	20' 0"	21' 5 $\frac{1}{2}$ "
20.0	N	19' 3 $\frac{1}{2}$ "	19' 1 $\frac{1}{2}$ "	18' 10"	18' 4"	17' 9 $\frac{1}{2}$ "	17' 0"	16' 1"
	F	20' 9 $\frac{1}{2}$ "	20' 11 $\frac{1}{2}$ "	21' 4"	21' 11 $\frac{1}{2}$ "	22' 10"	24' 4"	26' 6 $\frac{1}{2}$ "
25.0	N	23' 11"	23' 8"	23' 2"	22' 5 $\frac{1}{2}$ "	21' 7 $\frac{1}{2}$ "	20' 5"	19' 1 $\frac{1}{2}$ "
	F	26' 2 $\frac{1}{2}$ "	26' 6"	27' 2"	28' 3"	29' 7"	32' 4"	36' 3"
50.0	N	45' 10"	44' 10"	43' 1"	40' 8"	38' 0"	34' 4"	30' 9"
	F	55' 1"	56' 7"	59' 8"	65' 0"	73' 3"	92' 10"	136' 8"
75.0	N	65' 10"	63' 11"	60' 4"	55' 8"	50' 10"	44' 4"	38' 7"
	F	87' 2"	90' 10"	99' 2"	115' 1"	143' 11"	247' 0"	1753' 0"
125.0	N	101' 5"	96' 10"	88' 10"	79' 1"	69' 7"	58' 0"	48' 4"
	F	163' 0"	176' 6"	211' 0"	300' 0"	631' 0"	INF	INF
INF	N	532' 0"	426' 0"	304' 0"	213' 0"	155' 0"	107' 0"	78' 0"
	F	INF	INF	INF	INF	INF	INF	INF

U = Object distance sharply focused measured from the film plane.

N = Nearest distance in focus.

F = Farthest distance in focus.

8 ins. f/4.0 T4.5 TELEPANCHRO

T Stops

U		APERTURE					
FEET		T/4.5	T/5.6	T/8.0	T/11.0	T/16.0	T/22.0
15.0	N	14' 8"	14' 8"	14' 6"	14' 4"	14' 0"	13' 8"
	F	15' 4"	15' 5"	15' 7"	15' 9"	16' 2"	16' 7"
16.0	N	15' 8"	15' 7"	15' 5"	15' 2"	14' 10"	14' 6"
	F	16' 4"	16' 5"	16' 7"	16' 11"	17' 4"	17' 10"
17.0	N	16' 7"	16' 6"	16' 4"	16' 1"	15' 8"	15' 4"
	F	17' 5"	17' 6"	17' 9"	18' 0"	18' 6"	19' 2"
18.0	N	17' 7"	17' 6"	17' 3"	17' 0"	16' 7"	16' 1"
	F	18' 6"	18' 7"	18' 10"	19' 2"	19' 9"	20' 5"
20.0	N	19' 6"	19' 4"	19' 1"	18' 9"	18' 3"	17' 8"
	F	20' 7"	20' 9"	21' 0"	21' 5"	22' 2"	23' 1"
22.0	N	21' 4"	21' 2"	20' 10"	20' 6"	19' 10"	19' 2"
	F	22' 8"	22' 10"	23' 3"	23' 9"	24' 8"	25' 10"
25.0	N	24' 2"	23' 11"	23' 6"	23' 0"	22' 3"	21' 5"
	F	25' 11"	26' 1"	26' 8"	27' 4"	28' 7"	30' 2"
30.0	N	28' 9"	28' 6"	27' 11"	27' 2"	26' 1"	24' 11"
	F	31' 4"	31' 8"	32' 6"	33' 6"	35' 4"	37' 10"
35.0	N	33' 4"	32' 11"	32' 2"	31' 3"	29' 9"	28' 3"
	F	36' 10"	37' 4"	38' 5"	39' 11"	42' 7"	46' 4"
40.0	N	37' 10"	37' 4"	36' 4"	35' 1"	33' 4"	31' 4"
	F	42' 6"	43' 1"	44' 7"	46' 7"	50' 3"	55' 8"
60.0	N	55' 3"	54' 2"	51' 11"	49' 6"	45' 11"	42' 2"
	F	65' 9"	67' 4"	71' 0"	76' 4"	87' 0"	104' 10"
75.0	N	67' 7"	66' 0"	62' 10"	59' 2"	54' 0"	49' 0"
	F	84' 3"	86' 10"	93' 2"	102' 7"	123' 1"	162' 2"
150.0	N	122' 9"	117' 7"	107' 8"	97' 5"	84' 11"	72' 4"
	F	192' 11"	207' 5"	248' 0"	328' 8"	717' 10"	INF
INF	N	668' 6"	537' 6"	376' 9"	274' 5"	189' 2"	138' 0"
	F	INF	INF	INF	INF	INF	INF

U = Object distance sharply focused measured from the film plane.

N = Nearest distance in focus.

F = Farthest distance in focus.

12 $\frac{1}{2}$ ins. f/4.0 T4.5 TELEPANCHRO

T Stops

U		APERTURE					
FEET		T/4.5	T/5.6	T/8.0	T/11.0	T/16.0	T/22.0
20.0	N	19' 10"	19' 9"	19' 8"	19' 6"	19' 4"	19' 1"
	F	20' 2"	20' 3"	20' 4"	20' 6"	20' 9"	21' 0"
22.0	N	21' 9"	21' 8"	21' 7"	21' 5"	21' 2"	20' 10"
	F	22' 3"	22' 4"	22' 5"	22' 8"	22' 11"	23' 3"
25.0	N	24' 8"	24' 7"	24' 5"	24' 3"	23' 11"	23' 6"
	F	25' 4"	25' 5"	25' 7"	25' 10"	26' 2"	26' 8"
30.0	N	29' 6"	29' 5"	29' 2"	28' 10"	28' 5"	27' 10"
	F	30' 6"	30' 7"	30' 10"	31' 2"	31' 9"	32' 6"
35.0	N	34' 4"	34' 2"	33' 10"	33' 6"	32' 10"	32' 1"
	F	35' 8"	35' 10"	36' 2"	36' 8"	37' 6"	38' 6"
40.0	N	39' 2"	38' 11"	38' 6"	38' 0"	37' 2"	36' 2"
	F	40' 11"	41' 1"	41' 7"	42' 3"	43' 4"	44' 9"
60.0	N	58' 1"	57' 7"	56' 8"	55' 6"	53' 8"	51' 7"
	F	62' 1"	62' 7"	63' 9"	65' 4"	68' 1"	71' 8"
75.0	N	72' 0"	71' 3"	69' 9"	68' 0"	65' 3"	62' 3"
	F	78' 3"	79' 2"	81' 1"	83' 7"	88' 3"	94' 4"
100.0	N	94' 8"	93' 5"	90' 10"	87' 10"	83' 3"	78' 5"
	F	106' 0"	107' 7"	111' 2"	116' 1"	125' 3"	138' 5"
150.0	N	138' 2"	135' 6"	130' 2"	124' 0"	115' 0"	105' 10"
	F	164' 1"	168' 0"	177' 0"	189' 11"	216' 0"	258' 9"
200.0	N	179' 5"	175' 0"	166' 1"	156' 2"	142' 2"	128' 3"
	F	226' 0"	233' 5"	251' 5"	278' 4"	338' 7"	458' 0"
400.0	N	330' 0"	311' 0"	283' 0"	256' 0"	220' 0"	188' 0"
	F	521' 0"	562' 0"	680' 0"	923' 0"	2280' 0"	INF
INF	N	1716' 0"	1379' 0"	966' 0"	703' 0"	484' 0"	353' 0"
	F	INF	INF	INF	INF	INF	INF

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F = Farthest distance in focus.

16 ins. f/4 T4.5 TELEPANCHRO

T Stops

U		APERTURE					
FEET		T/4.5	T/5.6	T/8.0	T/11.0	T/16.0	T/22.0
28'	N	27' 10"	27' 9"	27' 8"	27' 6"	27' 2"	26' 11"
	F	28' 4"	28' 5"	28' 6"	28' 8"	29' 0"	29' 4"
30'	N	29' 9"	29' 8"	29' 7"	29' 4"	29' 1"	28' 8"
	F	30' 4"	30' 5"	30' 7"	30' 10"	31' 2"	31' 7"
35'	N	34' 8"	34' 7"	34' 4"	34' 1"	33' 8"	33' 2"
	F	35' 6"	35' 7"	35' 10"	36' 1"	36' 7"	37' 2"
40'	N	39' 6"	39' 5"	39' 1"	38' 9"	38' 3"	37' 7"
	F	40' 7"	40' 9"	41' 0"	41' 5"	42' 1"	42' 11"
45'	N	44' 4"	44' 2"	43' 10"	43' 5"	42' 9"	41' 11"
	F	45' 9"	45' 11"	46' 4"	46' 10"	47' 8"	48' 9"
50'	N	49' 2"	49' 0"	48' 7"	48' 0"	47' 2"	46' 2"
	F	50' 11"	51' 2"	51' 8"	52' 3"	53' 4"	54' 8"
60'	N	58' 10"	58' 6"	57' 10"	57' 1"	55' 10"	54' 5"
	F	61' 4"	61' 8"	62' 4"	63' 3"	64' 11"	66' 11"
75'	N	73' 1"	72' 8"	71' 8"	70' 5"	68' 7"	66' 5"
	F	77' 1"	77' 7"	78' 9"	80' 3"	82' 11"	86' 4"
100'	N	96' 7"	95' 9"	94' 0"	91' 11"	88' 8"	85' 1"
	F	103' 9"	104' 9"	106' 11"	109' 9"	114' 9"	121' 6"
150'	N	142' 3"	140' 6"	136' 9"	132' 4"	125' 7"	118' 5"
	F	158' 9"	161' 0"	166' 3"	173' 3"	186' 5"	205' 1"
200'	N	186' 4"	183' 3"	176' 11"	169' 7"	158' 8"	147' 3"
	F	215' 11"	220' 2"	230' 1"	243' 11"	271' 0"	312' 8"
400'	N	348' 0"	338' 0"	317' 0"	293' 7"	261' 11"	232' 0"
	F	470' 0"	491' 0"	544' 0"	528' 0"	849' 0"	1470' 0"
750'	N	586' 0"	556' 0"	501' 0"	446' 0"	376' 0"	317' 0"
	F	1042' 0"	1151' 0"	1494' 0"	2379' 0"	INF	INF
INF	N	2668' 0"	2144' 0"	1501' 0"	1092' 0"	751' 0"	547' 0"
	F	INF	INF	INF	INF	INF	INF

U = Object distance sharply focused measured from the film plane.

N = Nearest distance in focus.

F = Farthest distance in focus.

22 ins. f/5.6 T6.2 TELEPANCHRO

T Stops

U		APERTURE				
FEET		T/6.2	T/8.0	T/11.0	T/16.0	T/22.0
50'	N	49' 6"	49' 3"	49' 0"	48' 6"	48' 0"
	F	50' 8"	50' 11"	51' 2"	51' 9"	52' 5"
55'	N	54' 4"	54' 1"	53' 9"	53' 2"	52' 6"
	F	55' 10"	56' 1"	56' 5"	57' 1"	57' 11"
60'	N	59' 2"	58' 11"	58' 6"	57' 10"	57' 0"
	F	61' 0"	61' 3"	61' 9"	62' 6"	63' 6"
70'	N	68' 10"	68' 6"	67' 11"	66' 11"	65' 10"
	F	71' 4"	71' 9"	72' 4"	73' 6"	74' 10"
80'	N	78' 5"	78' 0"	77' 3"	76' 0"	74' 7"
	F	81' 9"	82' 3"	83' 1"	84' 7"	86' 5"
90'	N	88' 0"	87' 5"	86' 5"	84' 11"	83' 2"
	F	92' 2"	92' 10"	94' 0"	95' 10"	98' 3"
100'	N	97' 6"	96' 9"	95' 7"	93' 8"	91' 6"
	F	102' 9"	103' 7"	104' 11"	107' 4"	110' 4"
120'	N	116' 4"	115' 4"	113' 8"	110' 11"	107' 11"
	F	124' 0"	125' 2"	127' 3"	130' 9"	135' 4"
150'	N	144' 3"	142' 8"	140' 1"	136' 0"	131' 4"
	F	156' 4"	158' 3"	161' 7"	167' 5"	175' 0"
200'	N	189' 9"	187' 0"	182' 7"	175' 7"	167' 11"
	F	211' 6"	215' 0"	221' 3"	232' 6"	247' 7"
275'	N	255' 11"	250' 10"	242' 10"	230' 7"	217' 5"
	F	297' 3"	304' 5"	317' 2"	341' 0"	374' 9"
400'	N	360' 6"	350' 6"	335' 0"	312' 0"	288' 2"
	F	449' 0"	466' 0"	497' 0"	558' 0"	655' 0"
750'	N	622' 0"	592' 0"	549' 0"	489' 0"	433' 0"
	F	946' 0"	1023' 0"	1185' 0"	1610' 0"	2830' 0"
INF	N	3603' 0"	2793' 0"	2031' 0"	1397' 0"	1017' 0"
	F	INF	INF	INF	INF	INF

U = Object distance sharply focused measured from the film plane.

N = Nearest distance in focus.

F = Farthest distance in focus.