

**Relationship brightness  $B^*_{YT}$  and tristimulus value  $Y_T$  as function of viewing angle  $\varphi$  for test equal adaptation luminance  $L_a = 30 \text{ cd/m}^2$**

$$B^*_{YT}(L_T, L_a, \varphi) = s_y(L_a, \varphi) L_T^n - d_y(L_a, \varphi) \quad \text{brightness } B^*_{YT} \quad [1]$$

$$B_0(L_a, \varphi) = C_T(\varphi) [S_0(\varphi) + S_1(\varphi) L_a^n] \quad (n=0,31, L_{ra}^n = (L_{300}/L_a)^n) \quad [2]$$

$$s_y(\varphi) = C_T(\varphi) L_{ra}^n \quad [3] \quad d_y(L_a, \varphi) = B_0(L_a, \varphi) L_{ra}^n \quad [4] \quad (s = \text{scaling factor})$$

$Y_T$	$\varphi$	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_0(L_a, \varphi)$	$B^*_{YT}$	$s_y(L_a, \varphi)$	$d_y(L_a, \varphi)$
30	120'	22,969	0,0718	0,2448	17,78	98,27	46,89	36,32
30	100'	23,128	0,0747	0,2494	18,28	98,19	47,22	37,33
30	90'	23,415	0,1086	0,2526	19,52	97,35	47,80	39,86
30	60'	23,973	0,1313	0,2657	21,43	96,71	48,94	43,76
30	30'	26,235	0,1797	0,3188	28,72	95,08	53,56	58,65
30	20'	27,971	0,2013	0,3555	34,17	94,13	57,10	69,78
30	10'	30,747	0,2730	0,3984	43,55	91,25	62,77	88,93
2,3U	120'	22,969	0,0718	0,2448	17,78	50,00U	46,89	36,32