

Relationship brightness B^*_{YT} and tristimulus value Y_T as function of viewing angle φ for test equal adaptation luminance $L_a=3 \text{ cd/m}^2$

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

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

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

Y_T	φ	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_0(L_a, \varphi)$	B^*_{YT}	$s_y(L_a, \varphi)$	$d_y(L_a, \varphi)$
3	120'	22,969	0,0718	0,2448	9,55	94,76	95,75	39,83
3	100'	23,128	0,0747	0,2494	9,83	94,52	96,41	41,01
3	90'	23,415	0,1086	0,2526	10,86	91,93	97,60	45,27
3	60'	23,973	0,1313	0,2657	12,10	90,02	99,93	50,46
3	30'	26,235	0,1797	0,3188	16,47	85,05	109,36	68,68
3	20'	27,971	0,2013	0,3555	19,61	82,15	116,60	81,75
3	10'	30,747	0,2730	0,3984	25,61	73,39	128,17	106,78
0,8U	120'	22,969	0,0718	0,2448	9,55	50,00U	95,75	39,83