Relationship brightness B^*_{YT} and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a = 1000$ cd/m^2

$B^*_{YT}(L_T, L_r, \varphi) = s_{yra}(\varphi) L_T^n - d_{yra}(\varphi)$ **brightness B^*_{YT} [1]**

$B_r(L_r, \varphi) = C_T(\varphi)[S_0(\varphi) + S_1(\varphi) L_r^n]$ **(n=0,31, $B^*_{ra} = B^*_{LT,r}/B^*_{LT,a}$) [2]**

$s_{yra}(\varphi) = C_T(\varphi) B^*_{ra}$ **[3]** $d_{yra}(\varphi) = B_r(L_r, \varphi) B^*_{ra}$ **[4] (s=scaling factor)**

Y_T	φ	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_r(L_r,\varphi)$	B^*_{YT}	$s_{yra}(\varphi)$	$d_{yra}(\varphi)$
1906	120’	22,969	0,0718	0,2448	34,60	149,99	15,73	33,91
1189	120’	22,969	0,0718	0,2448	34,60	124,99	15,73	33,91
684	120’	22,969	0,0718	0,2448	34,60	99,99	15,73	33,91
351	120’	22,969	0,0718	0,2448	34,60	74,99	15,73	33,91
151	120’	22,969	0,0718	0,2448	34,60	49,99	15,73	33,91
48	120’	22,969	0,0718	0,2448	34,60	24,99	15,73	33,91
8,15	120’	22,969	0,0718	0,2448	34,60	0,00	15,73	33,91
151	120’	22,969	0,0718	0,2448	35,53	49,99	15,73	33,91

hes00-6a j=1, L_r=300, L_{aj}=1000, φ=120’, B_a=49,60, B^*_{YT}=149,98, s_{yra}=15,73, d_{yra}=33,91