Relationship brightness B^*_{YT} and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a = 1500$ 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}	$s_{yra}(\varphi)$	$d_{yra}(\varphi)$
4066	120’	22,969	0,0718	0,2448	34,60	149,99	11,15	33,47
2535	120’	22,969	0,0718	0,2448	34,60	124,99	11,15	33,47
1457	120’	22,969	0,0718	0,2448	34,60	99,99	11,15	33,47
746	120’	22,969	0,0718	0,2448	34,60	74,99	11,15	33,47
320	120’	22,969	0,0718	0,2448	34,60	49,99	11,15	33,47
101	120’	22,969	0,0718	0,2448	34,60	24,99	11,15	33,47
16,82	120’	22,969	0,0718	0,2448	34,60	0,00	11,15	33,47
320	120’	22,969	0,0718	0,2448	35,53	49,99	11,15	33,47

hes20–1a j=0, L_r=300, L_{aj}=3000, φ=120’, B_a=58,92, B^*_{YT}=205,89, s_{yra}=21,965 dd_{yra}=68,9247