Relationship brightness B^*_{YT} and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a = 3$ 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}	$s_{yra}(\varphi)$	$d_{yra}(\varphi)$
34	120’	22,969	0,0718	0,2448	34,60	149,99	101,03	42,03
22	120’	22,969	0,0718	0,2448	34,60	124,99	101,03	42,03
13	120’	22,969	0,0718	0,2448	34,60	99,99	101,03	42,03
7	120’	22,969	0,0718	0,2448	34,60	74,99	101,03	42,03
3	120’	22,969	0,0718	0,2448	34,60	49,99	101,03	42,03
1	120’	22,969	0,0718	0,2448	34,60	24,99	101,03	42,03
0,25	120’	22,969	0,0718	0,2448	34,60	0,00	101,03	42,03
3	120’	22,969	0,0718	0,2448	35,53	49,99	101,03	42,03

hes21–6a j=3, L_r=300, L_{aj}=3, φ=120’, B_a=34,60, B^*_{YT}=22,03, s_{yra}=101,03, d_{yra}=42,03