Relationship brightness B^*_{YT} and luminance L_T as function of tristimulus value Y_T for the adaptation luminance $L_a = 300$ 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	$C_T(\varphi)$	ΔY	B^*/B^*_u	$B_r(L_r,\varphi)$	B^*_{YT}	$s_{yra}(\varphi)$	$d_{yra}(\varphi)$
14,84	120’	22,969	0,260	2,99 P	34,60	149,99	3,75	22,96
9,28	120’	22,969	0,188	2,49	35,53	124,99	3,75	22,96
5,35	120’	22,969	0,129	1,99 D	37,21	99,99	3,75	22,96
2,76	120’	22,969	0,082	1,49	40,48	74,99	3,75	22,96
1,19	120’	22,969	0,046	1,00 U	53,74	49,99	3,75	22,96
0,38	120’	22,969	0,021	0,50	63,91	24,99	3,75	22,96
3,75	120’	22,969	0,073	0,00 N	80,18	0,00	3,75	22,96
1,19	120’	22,969	0,046	1,00 U	53,74	49,99	3,75	22,96

hes90-3a j=0, L_r=300, L_{aj}=300, φ=120’,