Relationship brightness B^*_{YT} and tristimulus value Y_T as function of viewing angle φ for test equal adaptation luminance $L_a = 40$ cd/m^2

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

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

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

Y_T	φ	$C_T(\varphi)$	$S_0(\varphi)$	$S_1(\varphi)$	$B_0(L_a,\varphi)$	B^*_{YT}	$s_y(L_a,\varphi)$	$d_y(L_a,\varphi)$
40	120’	22,969	0,0718	0,2448	19,29	98,56	42,89	36,03
40	100’	23,128	0,0747	0,2494	19,83	98,49	43,19	37,03
40	90’	23,415	0,1086	0,2526	21,10	97,79	43,72	39,41
40	60’	23,973	0,1313	0,2657	23,14	97,26	44,77	43,21
40	30’	26,235	0,1797	0,3188	30,96	95,90	48,99	57,83
40	20’	27,971	0,2013	0,3555	36,83	95,11	52,23	68,79
40	10’	30,747	0,2730	0,3984	46,83	92,71	57,42	87,46
9,4U	120’	22,969	0,0718	0,2448	19,29	50,00U	42,89	36,03

hep41−6a $L_{aj}=40$, $L_r=300$, Lajdr=0,13, Lajdren=0,53, 0’ <= φ <= 120’