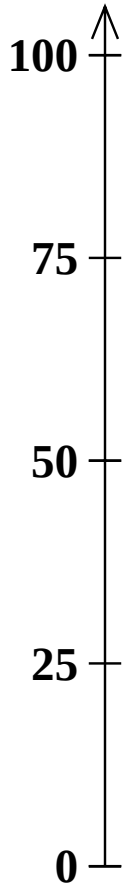
Equal 9 step grey scaling between L^*_{0aN}=23.6 and L^*_{0aW}=95.5, Y_{0ref}=1.8, normalisation grey *U*

L^*_{0aN}=23.6, L^*_{0aU}=59.6, L^*_{0aW}=95.5, Y_{0aN}=3.6, Y_{0aU}=30.3, Y_{0aW}=90.0, C_{0aY}=Y_{0aW}:Y_{0aN}=25.0

L^*_{taN}=27.4, L^*_{taU}=59.6, L^*_{taW}=94.0, Y_{taN}=5.1, Y_{taU}=30.3, Y_{taW}=86.6, C_{taY}=Y_{taW}:Y_{taN}=17.0

Regularity index according to ISO/IEC 15775:2022, annex G for 5 and 9 steps

g^* = 100 [ΔL^*_{min}] / [ΔL^*_{max}], $L^*_{TUBsRGB,W}$ = 100 $[Y/Y_n]^{[1/ln(10)]}$ with Y >= 0,3, Y_n=100



	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.06}$	L*la	ΔL*la
	9	95.5	1.0	90.0	1.0	94.0		1.0	86.6	1.0	94.0	
							8.6					8.2
	8	86.5	0.875	71.7	0.788	85.3		0.87	69.4	0.877	85.8	
							8.6					8.2
	7	77.5	0.75	55.7	0.603	76.7		0.74	54.3	0.754	77.6	
							8.6					8.3
	6	68.5	0.625	41.9	0.443	68.1		0.611	41.3	0.629	69.3	
							8.5					8.3
	5	59.6	0.5	30.3	0.309	59.6		0.483	30.3	0.504	61.0	
							8.4					8.3
	4	50.6	0.375	20.8	0.199	51.1		0.356	21.3	0.379	52.7	
							8.3					8.4
	3	41.6	0.25	13.3	0.112	42.9		0.232	14.2	0.253	44.3	
							8.0					8.4
	2	32.6	0.125	7.6	0.046	34.9		0.111	8.8	0.127	35.9	
							7.4					8.5
	1	23.6	0.0	3.6	0.0	27.4		0.0	5.1	0.0	27.4	

g^*_5= 99, g^*_9= 99 **intended output**

g^*_5= 89, g^*_9= 85 **real output**

g^*_5= 97, g^*_9= 96 **linearized output**

ΔL^*_{0a}=9.0 **(i=1,2,...,8)**

normalisation: $Y_{taiU}=Y_{0aU}\frac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$