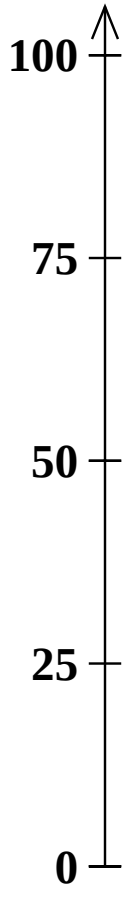
Equal 9 step grey scaling between L^*_{0aN}=29.4 and L^*_{0aW}=78.4, Y_{0ref}=0.9, normalisation grey *U*

L^*_{0aN}=29.4, L^*_{0aU}=53.9, L^*_{0aW}=78.5, Y_{0aN}=6.0, Y_{0aU}=21.9, Y_{0aW}=54.0, $C_{0aY}=Y_{0aW}:Y_{0aN}$=9.0

L^*_{taN}=30.9, L^*_{taU}=53.9, L^*_{taW}=77.7, Y_{taN}=6.6, Y_{taU}=21.9, Y_{taW}=52.7, $C_{taY}=Y_{taW}:Y_{taN}$=7.9

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

g^* = 100 [ΔL^*_{min}] / [ΔL^*_{max}], L^*_{CIELAB} = 116 $[Y/Y_n]^{1/3}$ – 16 with Y >= 0,882, Y_n=100



L^*_{CIELAB}		g^*_5= 99, g^*_9= 99 intended output				g^*_5= 94, g^*_9= 93 real output					g^*_5= 99, g^*_9= 99 linearized output	
n0.	i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.02}$	L*la	ΔL*la
	9	78.5	1.0	54.0	1.0	77.7		1.0	52.7	1.0	77.7	
	8	72.3	0.875	44.1	0.795	71.7	6.0	0.872	43.3	0.875	71.9	5.8
	7	66.2	0.75	35.6	0.616	65.8	5.9	0.745	35.0	0.75	66.0	5.8
	6	60.1	0.625	28.2	0.462	59.8	5.9	0.618	27.9	0.624	60.2	5.8
	5	53.9	0.5	21.9	0.332	53.9	5.9	0.491	21.9	0.499	54.3	5.8
	4	47.8	0.375	16.6	0.222	48.1	5.9	0.366	16.8	0.374	48.5	5.8
	3	41.7	0.25	12.3	0.131	42.3	5.8	0.242	12.7	0.25	42.6	5.8
	2	35.5	0.125	8.8	0.058	36.5	5.7	0.12	9.3	0.125	36.8	5.8
	1	29.4	0.0	6.0	0.0	30.9	5.6	0.0	6.6	0.0	30.9	5.9

ΔL^*_{0a}=6.1 (i=1,2,...,8)

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