Equal 9 step grey scaling between L^*_{0aN}=3.6 and L^*_{0aW}=95.9, Y_{0ref}=0.4, normalisation grey *U*

L^*_{0aN}=3.6, L^*_{0aU}=49.8, L^*_{0aW}=96.0, Y_{0aN}=0.4, Y_{0aU}=18.2, Y_{0aW}=90.0, C_{0aY}=Y_{0aW}:Y_{0aN}=225.0

L^*_{taN}=7.1, L^*_{taU}=49.8, L^*_{taW}=95.3, Y_{taN}=0.8, Y_{taU}=18.2, Y_{taW}=88.5, C_{taY}=Y_{taW}:Y_{taN}=113.0

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= 89, g^*_9= 86 real output					g^*_5= 97, g^*_9= 97 linearized output	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	(L*tr)$^{1/1.05}$	L*la	ΔL*la
100	9	96.0	1.0	90.0	1.0	95.3		1.0	88.5	1.0	95.3	
							11.4					10.9
	8	84.4	0.875	64.9	0.72	83.9		0.871	63.9	0.876	84.4	
							11.4					11.0
75	7	72.9	0.75	45.0	0.498	72.5		0.741	44.4	0.752	73.4	
							11.4					11.0
	6	61.3	0.625	29.6	0.326	61.1		0.612	29.4	0.626	62.4	
							11.3					11.1
50	5	49.8	0.5	18.2	0.199	49.8		0.484	18.2	0.5	51.3	
							11.2					11.2
	4	38.2	0.375	10.2	0.11	38.6		0.357	10.4	0.374	40.1	
							11.0					11.2
25	3	26.7	0.25	5.0	0.051	27.5		0.231	5.3	0.248	28.9	
							10.6					10.9
	2	15.2	0.125	1.9	0.017	16.9		0.112	2.3	0.124	18.0	
							9.9					10.9
0	1	3.6	0.0	0.4	0.0	7.1		0.0	0.8	0.0	7.1	

ΔL^*_{0a}=11.5 (i=1,2,...,8)

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