Equal 9 step grey scaling between L^*_{0aN}=−50 & L^*_{0aW}=50.0, Y_{0ref}=1, normalisation white *W*

L^*_{0aN}=−49.9, L^*_{0aU}=0.0, L^*_{0aW}=50.0, Y_{0aN}=4.0, Y_{0aU}=20.0, Y_{0aW}=100.0, C_{0aY}=Y_{0aW}:Y_{0aN}=25.0

L^*_{taN}=−43.3, L^*_{taU}=1.2, L^*_{taW}=50.0, Y_{taN}=4.9, Y_{taU}=20.8, Y_{taW}=100.0, C_{taY}=Y_{taW}:Y_{taN}=20.2

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

g^* = 100 [ΔL^*_{min}] / [ΔL^*_{max}], $L^*_{TUBLOG,Ua}$ = 50 / log(5) [log (Y/Y_u)] with Y_u=20

$L^*_{TUBLOG,Ua}$	n0. i	intended output g^*_5= 100, g^*_9= 100 L*0a	L*0r	Y0a	Y0r	real output g^*_5= 86, g^*_9= 83 L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.06}$	linearized output g^*_5= 99, g^*_9= 97 L*la	ΔL*la
50	9	50.0	1.0	100.0	1.0	50.0		1.0	100.0	1.0	50.0	
							12.3					11.6
	8	37.5	0.875	66.9	0.655	37.6		0.868	67.2	0.875	38.3	
							12.3					11.7
25	7	25.0	0.75	44.7	0.424	25.4		0.736	45.3	0.75	26.6	
							12.2					11.7
	6	12.5	0.625	29.9	0.27	13.2		0.606	30.6	0.624	14.9	
							12.0					11.7
0	5	0.0	0.5	20.0	0.167	1.2		0.477	20.8	0.499	3.2	
							11.8					11.7
	4	−12.4	0.375	13.4	0.098	−10.5		0.351	14.2	0.374	−8.4	
							11.4					11.6
−25	3	−24.9	0.25	8.9	0.051	−21.9		0.229	9.8	0.25	−20.0	
							11.0					11.5
	2	−37.4	0.125	6.0	0.021	−32.9		0.111	6.9	0.127	−31.5	
							10.4					11.8
−50	1	−49.9	0.0	4.0	0.0	−43.3		0.0	4.9	0.0	−43.3	

ΔL^*_{0a}=12.5 (i=1,2,...,8)

normalisation: $Y_{taiW}=Y_{0aW}\frac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$