Equal 9 step grey scaling between L^*_{0aN}=−50 & L^*_{0aW}=50.0, Y_{0ref}=2, 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}=−37.9, L^*_{taU}=2.3, L^*_{taW}=50.0, Y_{taN}=5.9, Y_{taU}=21.6, Y_{taW}=100.0, 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}], $L^*_{TUBLOG,Ua}$ = 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= 76, g^*_9= 72 L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.12}$	linearized output g^*_5= 98, g^*_9= 94 L*la	ΔL*la
50	9	50.0	1.0	100.0	1.0	50.0		1.0	100.0	1.0	50.0	
							12.2					11.0
	8	37.5	0.875	66.9	0.655	37.8		0.861	67.5	0.875	39.0	
							12.0					11.0
25	7	25.0	0.75	44.7	0.424	25.7		0.724	45.8	0.75	28.0	
							11.8					11.1
	6	12.5	0.625	29.9	0.27	13.9		0.59	31.3	0.624	16.9	
							11.5					11.0
0	5	0.0	0.5	20.0	0.167	2.3		0.458	21.6	0.498	5.8	
							11.1					11.0
	4	−12.4	0.375	13.4	0.098	−8.7		0.332	15.1	0.373	−5.0	
							10.6					10.8
−25	3	−24.9	0.25	8.9	0.051	−19.3		0.212	10.7	0.25	−15.9	
							9.8					10.7
	2	−37.4	0.125	6.0	0.021	−29.1		0.101	7.8	0.129	−26.6	
							8.9					11.3
−50	1	−49.9	0.0	4.0	0.0	−37.9		0.0	5.9	0.0	−37.9	

ΔL^*_{0a}=12.5 (i=1,2,...,8)

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