Equal 9 step grey scaling between L^*_{0aN}=−50.0 and L^*_{0aW}=50.0, Y_{0ref}=90.0, normalisation grey *U*

L^*_{0aN}=−49.9, L^*_{0aU}=0.0, L^*_{0aW}=50.0, Y_{0aN}=3.6, Y_{0aU}=18.0, Y_{0aW}=90.0, C_{0aY}=Y_{0aW}:Y_{0aN}=25.0

L^*_{taN}=−4.4, L^*_{taU}=0.0, L^*_{taW}=15.9, Y_{taN}=15.6, Y_{taU}=18.0, Y_{taW}=30.0, C_{taY}=Y_{taW}:Y_{taN}=1.9

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=18

$L^*_{TUBLOG,Ua}$						g^*_5= 100, g^*_9= 100 intended output				g^*_5= 14, g^*_9= 10 real output					g^*_5= 71, g^*_9= 54 linearized output	
		n0. i	L*0a	L*0r	Y0a	Y0r		L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/2.06}$	L*la	ΔL*la
50		9	50.0	1.0	90.0	1.0		15.9		1.0	30.0	1.0	15.9	
									5.6					2.9
		8	37.5	0.875	60.2	0.655		10.2		0.723	25.0	0.854	12.9	
									4.4					2.8
25		7	25.0	0.75	40.2	0.424		5.8		0.505	21.7	0.718	10.1	
									3.3					2.5
		6	12.5	0.625	26.9	0.27		2.5		0.34	19.5	0.592	7.6	
									2.5					2.3
0		5	0.0	0.5	18.0	0.167		0.0		0.219	18.0	0.478	5.3	
									1.8					2.1
		4	−12.4	0.375	12.0	0.098		−1.7		0.132	17.0	0.374	3.1	
									1.2					2.0
−25		3	−24.9	0.25	8.0	0.051		−2.9		0.071	16.3	0.277	1.2	
									0.8					2.0
		2	−37.4	0.125	5.4	0.021		−3.8		0.029	15.9	0.179	−0.7	
									0.6					3.6
−50		1	−49.9	0.0	3.6	0.0		−4.4		0.0	15.6	0.0	−4.4	

ΔL^*_{0a}=12.5 (i=1,2,...,8)

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