Equal 9 step grey scaling between L^*_{0aN}=−50.0 and L^*_{0aW}=50.0, Y_{0ref}=3.6, 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}=−34.0, L^*_{taU}=0.0, L^*_{taW}=45.5, Y_{taN}=6.0, Y_{taU}=18.0, Y_{taW}=78.0, C_{taY}=Y_{taW}:Y_{taN}=13.0

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=18

$L^*_{TUBLOG,Ua}$		**g^*_5= 100, g^*_9= 100**				**g^*_5= 63, g^*_9= 57**					**g^*_5= 97, g^*_9= 89**	
	intended output					**real output**					**linearized output**	
	n0. i	**L*0a**	**L*0r**	**Y0a**	**Y0r**	**L*ta**	**ΔL*ta**	**L*tr**	**Yta**	**(L*tr)$^{1/1.21}$**	**L*la**	**ΔL*la**
50	9	50.0	1.0	90.0	1.0	45.5		1.0	78.0	1.0	45.5	
							11.9					10.0
	8	37.5	0.875	60.2	0.655	33.6		0.85	53.1	0.875	35.6	
							11.6					10.0
25	7	25.0	0.75	40.2	0.424	22.0		0.704	36.5	0.749	25.5	
							11.3					10.1
	6	12.5	0.625	26.9	0.27	10.7		0.563	25.4	0.622	15.5	
							10.7					10.0
0	5	0.0	0.5	18.0	0.167	0.0		0.428	18.0	0.497	5.4	
							10.0					9.9
	4	−12.4	0.375	12.0	0.098	−9.9		0.302	13.0	0.373	−4.3	
							9.1					9.7
−25	3	−24.9	0.25	8.0	0.051	−19.1		0.188	9.7	0.251	−14.0	
							8.1					9.5
	2	−37.4	0.125	5.4	0.021	−27.2		0.086	7.5	0.132	−23.5	
							6.9					10.5
−50	1	−49.9	0.0	3.6	0.0	−34.0		0.0	6.0	0.0	−34.0	

ΔL^*_{0a}=12.5 (i=1,2,...,8)

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