Equal 9 step grey scaling between L^*_{0aN}=−34 & L^*_{0aW}=34.1, Y_{0ref}=1, normalisation white *W*

L^*_{0aN}=−34.0, L^*_{0aU}=0.0, L^*_{0aW}=34.1, Y_{0aN}=6.7, Y_{0aU}=20.0, Y_{0aW}=60.0, C_{0aY}=Y_{0aW}:Y_{0aN}=9.0

L^*_{taN}=−30.2, L^*_{taU}=1.0, L^*_{taW}=34.1, Y_{taN}=7.5, Y_{taU}=20.7, Y_{taW}=60.0, C_{taY}=Y_{taW}:Y_{taN}=7.9

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=20

$L^*_{TUBLOG,Ua}$		**intended output** g^*_5= 100, g^*_9= 100				**real output** g^*_5= 91, g^*_9= 90					**linearized output** g^*_5= 99, g^*_9= 97	
	n0. i	**L*0a**	**L*0r**	**Y0a**	**Y0r**	**L*ta**	**ΔL*ta**	**L*tr**	**Yta**	**$(L^*tr)^{1/1.04}$**	**L*la**	**ΔL*la**
50												
	9	34.1	1.0	60.0	1.0	34.1		1.0	60.0	1.0	34.1	
							8.4					8.1
25	8	25.6	0.875	45.6	0.73	25.8		0.87	45.8	0.874	26.0	
							8.3					8.1
	7	17.1	0.75	34.6	0.524	17.4		0.741	35.1	0.749	18.0	
							8.2					8.1
	6	8.5	0.625	26.3	0.368	9.2		0.613	26.9	0.624	9.9	
0							8.2					8.0
	5	0.0	0.5	20.0	0.25	1.0		0.486	20.7	0.499	1.8	
							8.1					8.0
	4	−8.4	0.375	15.2	0.16	−7.0		0.361	15.9	0.374	−6.1	
							7.9					8.0
	3	−17.0	0.25	11.5	0.091	−14.9		0.237	12.3	0.25	−14.1	
							7.7					8.0
−25	2	−25.5	0.125	8.8	0.039	−22.7		0.117	9.6	0.127	−22.0	
							7.5					8.1
	1	−34.0	0.0	6.7	0.0	−30.2		0.0	7.5	0.0	−30.2	
−50												

ΔL^*_{0a}=8.5 (i=1,2,...,8)

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