Equal 9 step grey scaling between L^*_{0aN}=−50.0 and L^*_{0aW}=50.0, Y_{0ref}=1.8, 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}=−40.3, L^*_{taU}=0.0, L^*_{taW}=47.6, Y_{taN}=4.9, Y_{taU}=18.0, Y_{taW}=83.4, 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=18

$L^*_{TUBLOG,Ua}$		**intended output**				**real output**					**linearized output**	
	n0. i	**L*0a**	**L*0r**	**Y0a**	**Y0r**	**L*ta**	**ΔL*ta**	**L*tr**	**Yta**	**(L*tr)$^{1/1.12}$**	**L*la**	**ΔL*la**
							g^*_5= 100, g^*_9= 100				**g^*_5= 76, g^*_9= 72**	**g^*_5= 98, g^*_9= 94**
50	9	50.0	1.0	90.0	1.0	47.6		1.0	83.4	1.0	47.6	
							12.2					11.0
	8	37.5	0.875	60.2	0.655	35.4		0.861	56.3	0.875	36.7	
							12.0					11.0
25	7	25.0	0.75	40.2	0.424	23.4		0.724	38.2	0.75	25.6	
							11.8					11.1
	6	12.5	0.625	26.9	0.27	11.5		0.59	26.1	0.624	14.5	
							11.5					11.0
0	5	0.0	0.5	18.0	0.167	0.0		0.458	18.0	0.498	3.5	
							11.1					11.0
	4	−12.4	0.375	12.0	0.098	−11.0		0.332	12.6	0.373	−7.4	
							10.6					10.8
−25	3	−24.9	0.25	8.0	0.051	−21.6		0.212	8.9	0.25	−18.2	
							9.8					10.7
	2	−37.4	0.125	5.4	0.021	−31.4		0.101	6.5	0.129	−29.0	
							8.9					11.3
−50	1	−49.9	0.0	3.6	0.0	−40.3		0.0	4.9	0.0	−40.3	

ΔL^*_{0a}=12.5 (i=1,2,...,8)

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

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