

Equal 9 step grey scaling between $L^*_{0aN}=-40.0$ and $L^*_{0aW}=40.0$, $Y_{0ref}=0.9$, normalisation grey U

$L^*_{0aN}=-39.9$, $L^*_{0aU}=0.0$, $L^*_{0aW}=40.0$, $Y_{0aN}=3.6$, $Y_{0aU}=18.0$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=25.0$

$L^*_{taN}=-35.6$, $L^*_{taU}=0.0$, $L^*_{taW}=39.0$, $Y_{taN}=4.3$, $Y_{taU}=18.0$, $Y_{taW}=86.6$, $C_{taY}=Y_{taW}:Y_{taN}=20.2$

Regularity index according to ISO/IEC 15775:2022, annex G for 5 and 9 steps

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBJND1} = 40 / \log(5) [\log (Y/Y_u)]$ with $Y_u=18$

$g^*_5=100$, $g^*_9=100$

$g^*_5=86$, $g^*_9=83$

$g^*_5=99$, $g^*_9=97$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.06}$	L^*_{la}	ΔL^*_{la}
50	9	40.0	1.0	90.0	1.0	39.0		1.0	86.6	1.0	39.0	
	8	30.0	0.875	60.2	0.655	29.1	9.9	0.868	58.2	0.875	29.7	9.3
25	7	20.0	0.75	40.2	0.424	19.3	9.8	0.736	39.2	0.75	20.3	9.3
	6	10.0	0.625	26.9	0.27	9.6	9.7	0.606	26.5	0.624	11.0	9.4
0	5	0.0	0.5	18.0	0.167	0.0	9.6	0.477	18.0	0.499	1.6	9.4
	4	-9.9	0.375	12.0	0.098	-9.3	9.4	0.351	12.3	0.374	-7.6	9.3
	3	-19.9	0.25	8.0	0.051	-18.5	9.1	0.229	8.5	0.25	-16.9	9.3
-25	2	-29.9	0.125	5.4	0.021	-27.3	8.8	0.111	6.0	0.127	-26.1	9.2
	1	-39.9	0.0	3.6	0.0	-35.6	8.3	0.0	4.3	0.0	-35.6	9.5

$\Delta L^*_{0a}=10.0$ (i=1,2,...,8)

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