

Equal 9 step grey scaling between $L^*_{0aN}=-44.5$ and $L^*_{0aW}=44.5$, $Y_{0ref}=0.9$, normalisation grey U

$L^*_{0aN}=-44.4$, $L^*_{0aU}=0.0$, $L^*_{0aW}=44.5$, $Y_{0aN}=3.0$, $Y_{0aU}=18.0$, $Y_{0aW}=108.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=36.0$
 $L^*_{taN}=-39.1$, $L^*_{taU}=0.0$, $L^*_{taW}=43.5$, $Y_{taN}=3.7$, $Y_{taU}=18.0$, $Y_{taW}=103.7$, $C_{taY}=Y_{taW}:Y_{taN}=27.9$

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 $Y_u=18$

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

$g^*_5=84$, $g^*_9=81$

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

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.07}$	L^*_{la}	ΔL^*_{la}
50	9	44.5	1.0	108.0	1.0	43.5		1.0	103.7	1.0	43.5	
	8	33.4	0.875	69.0	0.629	32.5	11.0	0.867	66.6	0.875	33.2	10.3
25	7	22.3	0.75	44.1	0.391	21.5	10.9	0.734	42.8	0.75	22.9	10.3
	6	11.1	0.625	28.2	0.24	10.7	10.8	0.603	27.7	0.625	12.5	10.4
0	5	0.0	0.5	18.0	0.143	0.0	10.7	0.474	18.0	0.499	2.1	10.4
	4	-11.0	0.375	11.5	0.081	-10.4	10.5	0.347	11.8	0.374	-8.2	10.4
	3	-22.2	0.25	7.3	0.041	-20.5	10.1	0.225	7.8	0.25	-18.5	10.3
-25	2	-33.3	0.125	4.7	0.016	-30.2	9.6	0.108	5.3	0.126	-28.7	10.2
	1	-44.4	0.0	3.0	0.0	-39.1	9.0	0.0	3.7	0.0	-39.1	10.5

$\Delta L^*_{0a}=11.1$ (i=1,2,...,8)

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