

Equal 9 step grey scaling between $L^*_{0aN}=-48.3$ and $L^*_{0aW}=48.3$, $Y_{0ref}=0.9$, normalisation grey U

$L^*_{0aN}=-48.3$, $L^*_{0aU}=0.0$, $L^*_{0aW}=48.4$, $Y_{0aN}=2.6$, $Y_{0aU}=18.0$, $Y_{0aW}=126.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=49.0$
 $L^*_{taN}=-42.0$, $L^*_{taU}=0.0$, $L^*_{taW}=47.3$, $Y_{taN}=3.3$, $Y_{taU}=18.0$, $Y_{taW}=120.8$, $C_{taY}=Y_{taW}:Y_{taN}=36.6$

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 $Y_u=18$

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

$g^*_5 = 82$, $g^*_9 = 79$

$g^*_5 = 98$, $g^*_9 = 97$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.08}$	L^*_{la}	ΔL^*_{la}
50	9	48.4	1.0	126.0	1.0	47.3		1.0	120.8	1.0	47.3	
	8	36.3	0.875	77.4	0.607	35.3	12.0	0.866	74.6	0.876	36.2	11.1
25	7	24.2	0.75	47.6	0.365	23.4	11.9	0.733	46.2	0.751	25.0	11.2
	6	12.1	0.625	29.3	0.216	11.6	11.8	0.601	28.7	0.625	13.8	11.2
0	5	0.0	0.5	18.0	0.125	0.0	11.6	0.471	18.0	0.499	2.5	11.3
	4	-12.0	0.375	11.1	0.069	-11.3	11.4	0.344	11.4	0.373	-8.6	11.2
	3	-24.1	0.25	6.8	0.034	-22.2	10.9	0.221	7.3	0.249	-19.8	11.1
-25	2	-36.2	0.125	4.2	0.013	-32.6	10.3	0.106	4.8	0.126	-30.8	11.0
	1	-48.3	0.0	2.6	0.0	-42.0	9.5	0.0	3.3	0.0	-42.0	11.3

$\Delta L^*_{0a}=12.1$ (i=1,2,...,8)

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