

Equal 9 step grey scaling between $L^*_{0aN}=-44.5$ and $L^*_{0aW}=44.5$, $Y_{0ref}=1.8$, normalisation grey U

$L^*_{0aN}=-44.4$, $L^*_{0aU}=0.0$, $L^*_{0aW}=44.5$, $Y_{0aN}=3.0$, $Y_{0aU}=18.0$, $Y_{0aW}=108.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=36.0$
 $L^*_{taN}=-35.1$, $L^*_{taU}=0.0$, $L^*_{taW}=42.6$, $Y_{taN}=4.4$, $Y_{taU}=18.0$, $Y_{taW}=99.8$, $C_{taY}=Y_{taW}:Y_{taN}=22.9$

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 $Y_u=18$

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

$g^*_5=73$, $g^*_9=68$

$g^*_5=98$, $g^*_9=94$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.14}$	L^*_{la}	ΔL^*_{la}
50	9	44.5	1.0	108.0	1.0	42.6		1.0	99.8	1.0	42.6	
	8	33.4	0.875	69.0	0.629	31.7	10.9	0.86	64.4	0.876	32.9	9.7
25	7	22.3	0.75	44.1	0.391	20.9	10.8	0.721	41.7	0.75	23.1	9.7
	6	11.1	0.625	28.2	0.24	10.3	10.6	0.585	27.2	0.624	13.3	9.8
0	5	0.0	0.5	18.0	0.143	0.0	10.3	0.453	18.0	0.498	3.5	9.8
	4	-11.0	0.375	11.5	0.081	-9.8	9.9	0.326	12.1	0.373	-6.1	9.7
	3	-22.2	0.25	7.3	0.041	-19.1	9.3	0.206	8.3	0.249	-15.7	9.6
-25	2	-33.3	0.125	4.7	0.016	-27.6	8.5	0.097	5.9	0.128	-25.2	9.4
	1	-44.4	0.0	3.0	0.0	-35.1	7.5	0.0	4.4	0.0	-35.1	10.0

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

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