

Equal 9 step grey scaling between $L^*_{0aN}=-40.0$ and $L^*_{0aW}=40.0$, $Y_{0ref}=3.6$, normalisation grey U

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

$L^*_{taN}=-27.2$, $L^*_{taU}=0.0$, $L^*_{taW}=36.4$, $Y_{taN}=6.0$, $Y_{taU}=18.0$, $Y_{taW}=78.0$, $C_{taY}=Y_{taW}:Y_{taN}=13.0$

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 $Y_u=18$

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

$g^*_5=63$, $g^*_9=57$

$g^*_5=97$, $g^*_9=89$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.21}$	L^*_{la}	ΔL^*_{la}
50	9	40.0	1.0	90.0	1.0	36.4		1.0	78.0	1.0	36.4	
	8	30.0	0.875	60.2	0.655	26.9	9.5	0.85	53.1	0.875	28.5	8.0
25	7	20.0	0.75	40.2	0.424	17.6	9.3	0.704	36.5	0.749	20.4	8.0
	6	10.0	0.625	26.9	0.27	8.6	9.0	0.563	25.4	0.622	12.4	8.0
0	5	0.0	0.5	18.0	0.167	0.0	8.6	0.428	18.0	0.497	4.4	8.0
	4	-9.9	0.375	12.0	0.098	-7.9	8.0	0.302	13.0	0.373	-3.5	7.9
	3	-19.9	0.25	8.0	0.051	-15.3	7.3	0.188	9.7	0.251	-11.2	7.7
-25	2	-29.9	0.125	5.4	0.021	-21.7	6.5	0.086	7.5	0.132	-18.8	7.6
	1	-39.9	0.0	3.6	0.0	-27.2	5.5	0.0	6.0	0.0	-27.2	8.4

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

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