

Equal 9 step grey scaling between $L^*_{0aN}=-44.5$ and $L^*_{0aW}=44.5$, $Y_{0ref}=108.0$, normalisation grey U

$L^*_{0aN}=-44.4$, $L^*_{0aU}=0.0$, $L^*_{0aW}=44.5$, $Y_{0aN}=3.0$, $Y_{0aU}=18.0$, $Y_{0aW}=108.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=36.0$
 $L^*_{taN}=-3.1$, $L^*_{taU}=0.0$, $L^*_{taW}=13.4$, $Y_{taN}=15.8$, $Y_{taU}=18.0$, $Y_{taW}=30.8$, $C_{taY}=Y_{taW}:Y_{taN}=1.9$

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 $Y_u=18$

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

$g^*_5=10$, $g^*_9=7$

$g^*_5=69$, $g^*_9=51$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/2.23}$	L^*_{la}	ΔL^*_{la}
50	9	44.5	1.0	108.0	1.0	13.4		1.0	30.8	1.0	13.4	
	8	33.4	0.875	69.0	0.629	8.4	4.9	0.701	25.3	0.853	11.0	2.4
25	7	22.3	0.75	44.1	0.391	4.7	3.8	0.473	21.7	0.715	8.7	2.3
	6	11.1	0.625	28.2	0.24	1.9	2.7	0.307	19.4	0.589	6.6	2.1
0	5	0.0	0.5	18.0	0.143	0.0	1.9	0.19	18.0	0.476	4.7	1.9
	4	-11.0	0.375	11.5	0.081	-1.2	1.3	0.111	17.1	0.373	3.0	1.7
	3	-22.2	0.25	7.3	0.041	-2.1	0.9	0.058	16.5	0.279	1.5	1.6
-25	2	-33.3	0.125	4.7	0.016	-2.7	0.6	0.023	16.1	0.184	0.0	1.6
	1	-44.4	0.0	3.0	0.0	-3.1	0.4	0.0	15.8	0.0	-3.1	3.0

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

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