

Equal 9 step grey scaling between $L^*_{0aN}=-57.2$ and $L^*_{0aW}=57.2$, $Y_{0ref}=0.9$, normalisation white W

$L^*_{0aN}=-57.1$, $L^*_{0aU}=0.0$, $L^*_{0aW}=57.2$, $Y_{0aN}=1.8$, $Y_{0aU}=18.0$, $Y_{0aW}=180.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=100.0$
 $L^*_{taN}=-47.2$, $L^*_{taU}=1.1$, $L^*_{taW}=57.2$, $Y_{taN}=2.7$, $Y_{taU}=18.8$, $Y_{taW}=180.0$, $C_{taY}=Y_{taW}:Y_{taN}=67.0$

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 $Y_u=18$

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

$g^*_5 = 78$, $g^*_9 = 73$

$g^*_5 = 98$, $g^*_9 = 96$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.11}$	L^*_{la}	ΔL^*_{la}
50	○ 9	57.2	1.0	180.0	1.0	57.2		1.0	180.0	1.0	57.2	
	● 8	42.9	0.875	101.2	0.558	43.0	14.2	0.864	101.6	0.877	44.3	12.9
25	● 7	28.6	0.75	56.9	0.309	28.9	14.1	0.729	57.5	0.752	31.3	13.0
	● 6	14.3	0.625	32.0	0.169	14.9	14.0	0.595	32.7	0.626	18.2	13.1
0	● 5	0.0	0.5	18.0	0.091	1.1	13.8	0.463	18.8	0.5	4.9	13.2
	● 4	-14.2	0.375	10.1	0.047	-12.2	13.4	0.334	11.0	0.373	-8.2	13.2
	● 3	-28.5	0.25	5.7	0.022	-25.0	12.8	0.212	6.5	0.248	-21.3	13.1
-25	● 2	-42.8	0.125	3.2	0.008	-36.8	11.8	0.099	4.1	0.125	-34.1	12.8
	● 1	-57.1	0.0	1.8	0.0	-47.2	10.4	0.0	2.7	0.0	-47.2	13.1
-50												

$\Delta L^*_{0a} = 14.3$ (i=1,2,...,8)

normalisation: $Y_{taiW} = Y_{0aW} \frac{Y_{0ai} + Y_{0ref}}{Y_{0aW} + Y_{0ref}}$