

Equal 9 step grey scaling between $L^*_{0aN}=-57.2$ and $L^*_{0aW}=57.2$, $Y_{0ref}=1.8$, normalisation white W

$L^*_{0aN}=-57.1$, $L^*_{0aU}=0.0$, $L^*_{0aW}=57.2$, $Y_{0aN}=1.8$, $Y_{0aU}=18.0$, $Y_{0aW}=180.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=100.0$
 $L^*_{taN}=-40.2$, $L^*_{taU}=2.1$, $L^*_{taW}=57.2$, $Y_{taN}=3.6$, $Y_{taU}=19.6$, $Y_{taW}=180.0$, $C_{taY}=Y_{taW}:Y_{taN}=50.5$

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 $Y_u=18$

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

$g^*_5 = 64$, $g^*_9 = 57$

$g^*_5 = 97$, $g^*_9 = 94$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.2}$	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	43.1	14.1	0.855	102.0	0.878	45.3	11.9
25	● 7	28.6	0.75	56.9	0.309	29.1	14.0	0.712	58.1	0.753	33.2	12.1
	● 6	14.3	0.625	32.0	0.169	15.4	13.7	0.571	33.5	0.627	20.8	12.3
0	● 5	0.0	0.5	18.0	0.091	2.1	13.3	0.435	19.6	0.499	8.4	12.4
	● 4	-14.2	0.375	10.1	0.047	-10.4	12.6	0.305	11.8	0.372	-3.9	12.4
	● 3	-28.5	0.25	5.7	0.022	-21.9	11.5	0.187	7.4	0.247	-16.1	12.2
-25	● 2	-42.8	0.125	3.2	0.008	-32.0	10.0	0.084	4.9	0.126	-27.8	11.7
	● 1	-57.1	0.0	1.8	0.0	-40.2	8.2	0.0	3.6	0.0	-40.2	12.3

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

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