

Equal 9 step grey scaling between $L^*_{0aN}=-48.3$ and $L^*_{0aW}=48.3$, $Y_{0ref}=0.9$, normalisation white W

$L^*_{0aN}=-48.3$, $L^*_{0aU}=0.0$, $L^*_{0aW}=48.4$, $Y_{0aN}=2.6$, $Y_{0aU}=18.0$, $Y_{0aW}=126.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=49.0$
 $L^*_{taN}=-41.0$, $L^*_{taU}=1.0$, $L^*_{taW}=48.4$, $Y_{taN}=3.4$, $Y_{taU}=18.8$, $Y_{taW}=126.0$, $C_{taY}=Y_{taW}:Y_{taN}=36.6$

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 $Y_u=18$

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

$g^*_5 = 82$, $g^*_9 = 79$

$g^*_5 = 98$, $g^*_9 = 97$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.08}$	L^*_{la}	ΔL^*_{la}
50	9	48.4	1.0	126.0	1.0	48.4		1.0	126.0	1.0	48.4	
	8						12.0					11.1
	7	36.3	0.875	77.4	0.607	36.4		0.866	77.8	0.876	37.2	
25	6	24.2	0.75	47.6	0.365	24.5	11.9	0.733	48.2	0.751	26.1	11.2
	5	12.1	0.625	29.3	0.216	12.7	11.8	0.601	29.9	0.625	14.8	11.2
	4	0.0	0.5	18.0	0.125	1.0	11.6	0.471	18.8	0.499	3.6	11.3
0	3	-12.0	0.375	11.1	0.069	-10.2	11.4	0.344	11.9	0.373	-7.6	11.2
	2	-24.1	0.25	6.8	0.034	-21.2	10.9	0.221	7.6	0.249	-18.7	11.1
-25	1	-36.2	0.125	4.2	0.013	-31.5	10.3	0.106	5.0	0.126	-29.7	11.0
-50							9.5					11.3
	1	-48.3	0.0	2.6	0.0	-41.0		0.0	3.4	0.0	-41.0	

$\Delta L^*_{0a} = 12.1$ (i=1,2,...,8)

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