

Equal 9 step grey scaling between $L^*_{0aN}=-40.0$ and $L^*_{0aW}=40.0$, $Y_{0ref}=90.0$, normalisation white W

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

$L^*_{taN}=23.7$, $L^*_{taU}=27.3$, $L^*_{taW}=40.0$, $Y_{taN}=46.8$, $Y_{taU}=54.0$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=1.9$

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 $Y_u=18$

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

$g^*_5=14$, $g^*_9=10$

$g^*_5=71$, $g^*_9=54$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/2.06}$	L^*_{la}	ΔL^*_{la}
50	9	40.0	1.0	90.0	1.0	40.0		1.0	90.0	1.0	40.0	
	8	30.0	0.875	60.2	0.655	35.5	4.5	0.723	75.1	0.854	37.6	2.4
25	7	20.0	0.75	40.2	0.424	31.9	3.5	0.505	65.1	0.718	35.4	2.2
	6	10.0	0.625	26.9	0.27	29.3	2.7	0.34	58.4	0.592	33.4	2.0
0	5	0.0	0.5	18.0	0.167	27.3	2.0	0.219	54.0	0.478	31.5	1.8
	4	-9.9	0.375	12.0	0.098	25.9	1.4	0.132	51.0	0.374	29.8	1.7
	3	-19.9	0.25	8.0	0.051	24.9	1.0	0.071	49.0	0.277	28.2	1.6
-25	2	-29.9	0.125	5.4	0.021	24.2	0.7	0.029	47.7	0.179	26.6	1.6
	1	-39.9	0.0	3.6	0.0	23.7	0.5	0.0	46.8	0.0	23.7	2.9

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

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