

Equal 9 step grey scaling between $L^*_{0aN}=-44.5$ and $L^*_{0aW}=44.5$, $Y_{0ref}=3.6$, normalisation grey U

$L^*_{0aN}=-44.4$, $L^*_{0aU}=0.0$, $L^*_{0aW}=44.5$, $Y_{0aN}=3.0$, $Y_{0aU}=18.0$, $Y_{0aW}=108.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=36.0$

$L^*_{taN}=-29.4$, $L^*_{taU}=0.0$, $L^*_{taW}=40.8$, $Y_{taN}=5.5$, $Y_{taU}=18.0$, $Y_{taW}=93.0$, $C_{taY}=Y_{taW}:Y_{taN}=16.9$

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 $Y_u=18$

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

$g^*_5=59$, $g^*_9=53$

$g^*_5=97$, $g^*_9=89$

$L^*_{TUBJND1}$	n0. i	intended output				real output					linearized output	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.24}$	L^*_{la}	ΔL^*_{la}
50	9	44.5	1.0	108.0	1.0	40.8		1.0	93.0	1.0	40.8	
	8	33.4	0.875	69.0	0.629	30.1	10.7	0.848	60.5	0.876	32.1	8.7
25	7	22.3	0.75	44.1	0.391	19.7	10.4	0.699	39.7	0.75	23.2	8.8
	6	11.1	0.625	28.2	0.24	9.6	10.1	0.556	26.5	0.623	14.3	8.9
0	5	0.0	0.5	18.0	0.143	0.0	9.6	0.419	18.0	0.497	5.4	8.9
	4	-11.0	0.375	11.5	0.081	-8.8	8.9	0.293	12.6	0.372	-3.2	8.8
	3	-22.2	0.25	7.3	0.041	-16.8	8.0	0.179	9.1	0.25	-11.8	8.5
-25	2	-33.3	0.125	4.7	0.016	-23.7	6.9	0.081	6.9	0.132	-20.1	8.3
	1	-44.4	0.0	3.0	0.0	-29.4	5.7	0.0	5.5	0.0	-29.4	9.3

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

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