

9stufige Grauskalierung zwischen $L^*_{0aN}=-71$ & $L^*_{0aW}=71.5$, $Y_{0ref}=1$, Normierung Weiß W

$L^*_{0aN}=-71.4$, $L^*_{0aU}=0.0$, $L^*_{0aW}=71.5$, $Y_{0aN}=2.0$, $Y_{0aU}=20.0$, $Y_{0aW}=200.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=100.0$
 $L^*_{taN}=-59.0$, $L^*_{taU}=1.4$, $L^*_{taW}=71.5$, $Y_{taN}=3.0$, $Y_{taU}=20.9$, $Y_{taW}=200.0$, $C_{taY}=Y_{taW}:Y_{taN}=67.0$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBLOG,Ua} = 50 / \log(5) [\log(Y/Y_u)]$ mit $Y_u=20$

$g^*_5 = 100$, $g^*_9 = 99$

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

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

n0. i	angestrebte Ausgabe				reale Ausgabe					linearisierte Ausgabe	
	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}
9	71.5	1.0	200.0	1.0	71.5			200.0	1.0	71.5	
8	53.6	0.875	112.5	0.558	53.8	17.8	0.864	112.9	0.877	55.4	16.1
7	35.8	0.75	63.2	0.309	36.1	17.7	0.729	63.9	0.752	39.1	16.3
6	17.9	0.625	35.6	0.169	18.6	17.5	0.595	36.4	0.626	22.7	16.4
5	0.0	0.5	20.0	0.091	1.4	17.2	0.463	20.9	0.5	6.2	16.5
4	-17.8	0.375	11.2	0.047	-15.3	16.7	0.334	12.2	0.373	-10.3	16.5
3	-35.7	0.25	6.3	0.022	-31.3	16.0	0.212	7.3	0.248	-26.6	16.4
2	-53.6	0.125	3.5	0.008	-46.0	14.7	0.099	4.5	0.125	-42.7	16.0
1	-71.4	0.0	2.0	0.0	-59.0	13.0		3.0	0.0	-59.0	16.3

$\Delta L^*_{0a}=17.9$ (i=1,2,...,8)

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