Equal 9 step grey scaling between $L^*_{0aN}=17.9$ and $L^*_{0aW}=95.9$, $Y_{0ref}=10.0$, normalisation grey U

$L^*_{0aN}=17.9$, $L^*_{0aU}=56.9$, $L^*_{0aW}=96.0$, $Y_{0aN}=2.5$, $Y_{0aU}=24.9$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=36.0$

$L^*_{taN}=35.8$, $L^*_{taU}=57.0$, $L^*_{taW}=87.6$, $Y_{taN}=8.9$, $Y_{taU}=24.9$, $Y_{taW}=71.3$, $C_{taY}=Y_{taW}:Y_{taN}=8.0$

Regularity index according to ISO/IEC 15775:2022, annex G for 5 and 9 steps

$g^* = 100\ [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{CIELAB} = 116\ [Y/Y_n]^{1/3} - 16$ with $Y >= 0.882$, $Y_n=100$

| | $g^*_5= 99$, $g^*_9= 99$ | | | | $g^*_5= 53$, $g^*_9= 45$ | | | | | $g^*_5= 97$, $g^*_9= 93$ | |

L^*_{CIELAB}	intended output				real output					linearized output	
n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	(L*tr)$^{1/1.29}$	L*la	ΔL*la
9	96.0	1.0	90.0	1.0	87.6		1.0	71.3	1.0	87.6	
						8.0					6.4
8	86.2	0.875	68.5	0.754	79.6		0.845	56.0	0.877	81.3	
						7.8					6.5
7	76.5	0.75	50.7	0.55	71.7		0.693	43.3	0.752	74.8	
						7.6					6.5
6	66.7	0.625	36.3	0.386	64.2		0.547	33.0	0.626	68.3	
						7.2					6.6
5	56.9	0.5	24.9	0.256	57.0		0.408	24.9	0.499	61.7	
						6.7					6.6
4	47.2	0.375	16.2	0.156	50.3		0.279	18.7	0.372	55.1	
						5.9					6.4
3	37.4	0.25	9.8	0.083	44.4		0.165	14.1	0.247	48.6	
						4.9					6.2
2	27.7	0.125	5.3	0.032	39.5		0.071	10.9	0.128	42.4	
						3.6					6.6
1	17.9	0.0	2.5		35.8		0.0	8.9		35.8	

$\Delta L^*_{0a}=9.7$ (i=1,2,...,8)   normalisation: $Y_{taiU}=Y_{0aU}\dfrac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$