Equal 9 step grey scaling between $L^*_{0aN}=8.1$ and $L^*_{0aW}=95.9$, $Y_{0ref}=20.0$, normalisation grey U

$L^*_{0aN}=8.1$, $L^*_{0aU}=52.1$, $L^*_{0aW}=96.0$, $Y_{0aN}=0.9$, $Y_{0aU}=20.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=99.9$

$L^*_{taN}=38.7$, $L^*_{taU}=52.1$, $L^*_{taW}=79.2$, $Y_{taN}=10.5$, $Y_{taU}=20.2$, $Y_{taW}=55.3$, $C_{taY}=Y_{taW}:Y_{taN}=5.3$

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 $Y \geq 0.882$, $Y_n=100$

$g^*_5= 99$, $g^*_9= 99$ $g^*_5= 29$, $g^*_9= 21$ $g^*_5= 95$, $g^*_9= 88$

L^*_{CIELAB} n0. i	intended output L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	real output L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.59}$	linearized output L^*_{la}	ΔL^*_{la}
9	96.0	1.0	90.0	1.0	79.2		1.0	55.3	1.0	79.2	
						7.5					4.9
8	85.0	0.875	66.0	0.731	71.7		0.815	43.2	0.879	74.3	
						7.1					5.0
7	74.0	0.75	46.7	0.515	64.6		0.639	33.5	0.755	69.3	
						6.6					5.2
6	63.0	0.625	31.6	0.345	58.0		0.476	25.9	0.627	64.1	
						5.9					5.2
5	52.1	0.5	20.2	0.217	52.1		0.329	20.2	0.498	58.9	
						5.0					5.2
4	41.1	0.375	11.9	0.124	47.0		0.205	16.0	0.369	53.7	
						3.9					5.0
3	30.1	0.25	6.3	0.06	43.1		0.107	13.2	0.246	48.7	
						2.7					4.6
2	19.1	0.125	2.8	0.021	40.3		0.039	11.4	0.131	44.0	
						1.6					5.3
1	8.1	0.0	0.9	0.0	38.7		0.0	10.5	0.0	38.7	

$\Delta L^*_{0a}=11.0$ (i=1,2,...,8)   normalisation: $Y_{taiU}=Y_{0aU}\dfrac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$