Equal 9 step grey scaling between $L^*_{0aN}=22.3$ and $L^*_{0aW}=95.9$, $Y_{0ref}=0.9$, normalisation white W

$L^*_{0aN}=22.3$, $L^*_{0aU}=59.1$, $L^*_{0aW}=96.0$, $Y_{0aN}=3.6$, $Y_{0aU}=27.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=25.0$

$L^*_{taN}=25.1$, $L^*_{taU}=59.7$, $L^*_{taW}=96.0$, $Y_{taN}=4.4$, $Y_{taU}=27.8$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=20.2$

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 $Y >= 0.882$, $Y_n=100$

						$g^*_5= 99$, $g^*_9= 99$			$g^*_5= 92$, $g^*_9= 90$				$g^*_5= 99$, $g^*_9= 99$
L^*_{CIELAB}		**intended output**				**real output**						**linearized output**	
	n0. i	L^*0a	L^*0r	Y0a	Y0r	L^*ta	ΔL^*ta	L^*tr	Yta	$(L^*tr)^{1/1.03}$		L^*la	ΔL^*la
100	9	96.0	1.0	90.0	1.0	96.0		1.0	90.0	1.0		96.0	
							9.1						8.8
	8	86.8	0.875	69.6	0.763	86.9		0.871	69.8	0.875		87.2	
							9.1						8.8
	7	77.6	0.75	52.5	0.566	77.8		0.743	52.9	0.751		78.3	
75							9.0						8.9
	6	68.4	0.625	38.5	0.403	68.7		0.615	39.0	0.625		69.4	
							9.0						8.9
	5	59.1	0.5	27.2	0.273	59.7		0.488	27.8	0.5		60.6	
50							8.9						8.9
	4	49.9	0.375	18.4	0.171	50.8		0.362	19.1	0.374		51.7	
							8.8						8.9
	3	40.7	0.25	11.7	0.094	41.9		0.237	12.5	0.249		42.8	
							8.6						8.8
	2	31.5	0.125	6.9	0.038	33.3		0.116	7.7	0.125		34.0	
25							8.2						8.8
	1	22.3	0.0	3.6	0.0	25.1		0.0	4.4	0.0		25.1	

0

$\Delta L^*_{0a}=9.2$ (i=1,2,...,8)

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