Equal 9 step grey scaling between $L^*_{0aN}=8.1$ and $L^*_{0aW}=95.9$, $Y_{0ref}=3.6$, normalisation grey U

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

$L^*_{taN}=23.1$, $L^*_{taU}=52.1$, $L^*_{taW}=91.4$, $Y_{taN}=3.8$, $Y_{taU}=20.2$, $Y_{taW}=79.4$, $C_{taY}=Y_{taW}:Y_{taN}=20.8$

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 $Y >= 0{,}882$, $Y_n=100$

	$g^*_5=99$, $g^*_9=99$				$g^*_5=58$, $g^*_9=47$					$g^*_5=93$, $g^*_9=91$	
L^*_{CIELAB}	**intended output**				**real output**					**linearized output**	
n0. i	L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.25}$	L^*_{la}	ΔL^*_{la}
9	96.0	1.0	90.0	1.0	91.4		1.0	79.4	1.0	91.4	
						10.1					8.2
8	85.0	0.875	66.0	0.731	81.3		0.852	59.1	0.88	83.2	
						10.0					8.4
7	74.0	0.75	46.7	0.515	71.4		0.707	42.7	0.757	74.8	
						9.8					8.6
6	63.0	0.625	31.6	0.345	61.6		0.563	29.9	0.631	66.2	
						9.5					8.8
5	52.1	0.5	20.2	0.217	52.1		0.424	20.2	0.502	57.4	
						9.0					8.9
4	41.1	0.375	11.9	0.124	43.0		0.292	13.2	0.372	48.5	
						8.2					8.9
3	30.1	0.25	6.3	0.06	34.8		0.171	8.4	0.243	39.6	
						6.9					8.5
2	19.1	0.125	2.8	0.021	27.9		0.07	5.4	0.119	31.2	
						4.8					8.1
1	8.1	0.0	0.9	0.0	23.1		0.0	3.8	0.0	23.1	

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