Equal 9 step grey scaling between $L*_{0aN}=14.4$ and $L*_{0aW}=95.9$, $Y_{0ref}=10.0$, normalisation white W

$L*_{0aN}=14.4$, $L*_{0aU}=55.2$, $L*_{0aW}=96.0$, $Y_{0aN}=1.8$, $Y_{0aU}=23.1$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=50.0$

$L*_{taN}=38.9$, $L*_{taU}=61.5$, $L*_{taW}=96.0$, $Y_{taN}=10.6$, $Y_{taU}=29.8$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=8.5$

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 $Y \geq 0,882$, $Y_n=100$

$g*_5= 99$, $g*_9= 99$ $g*_5= 48$, $g*_9= 39$ $g*_5= 96$, $g*_9= 93$

$L*_{CIELAB}$		intended output				real output					linearized output	
n0. i		$L*_{0a}$	$L*_{0r}$	Y_{0a}	Y_{0r}	$L*_{ta}$	$\Delta L*_{ta}$	$L*_{tr}$	Y_{ta}	$(L*_{tr})^{1/1.33}$	$L*_{la}$	$\Delta L*_{la}$
9		96.0	1.0	90.0	1.0	96.0		1.0	90.0	1.0	96.0	
							9.1					6.9
8		85.8	0.875	67.6	0.746	86.9		0.841	69.8	0.878	89.0	
							8.8					7.1
7		75.6	0.75	49.2	0.538	78.1		0.686	53.3	0.754	81.9	
							8.5					7.2
6		65.4	0.625	34.5	0.371	69.5		0.536	40.1	0.627	74.7	
							8.0					7.3
5		55.2	0.5	23.1	0.242	61.5		0.395	29.8	0.499	67.4	
							7.4					7.3
4		45.0	0.375	14.5	0.144	54.1		0.266	22.1	0.371	60.1	
							6.4					7.1
3		34.8	0.25	8.4	0.075	47.7		0.154	16.6	0.246	53.0	
							5.1					6.8
2		24.6	0.125	4.3	0.028	42.5		0.063	12.8	0.127	46.2	
							3.6					7.2
1		14.4	0.0	1.8	0.0	38.9		0.0	10.6	0.0	38.9	

$\Delta L*_{0a}=10.2$ $(i=1,2,...,8)$ **normalisation:** $Y_{taiW}=Y_{0aW}\dfrac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$