Equal 9 step grey scaling between $L^*_{0aN}=29.4$ and $L^*_{0aW}=78.4$, $Y_{0ref}=54.0$, normalisation white W

$L^*_{0aN}=29.4$, $L^*_{0aU}=53.9$, $L^*_{0aW}=78.5$, $Y_{0aN}=6.0$, $Y_{0aU}=21.9$, $Y_{0aW}=54.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=9.0$

$L^*_{taN}=61.6$, $L^*_{taU}=68.0$, $L^*_{taW}=78.5$, $Y_{taN}=30.0$, $Y_{taU}=38.0$, $Y_{taW}=54.0$, $C_{taY}=Y_{taW}:Y_{taN}=1.8$

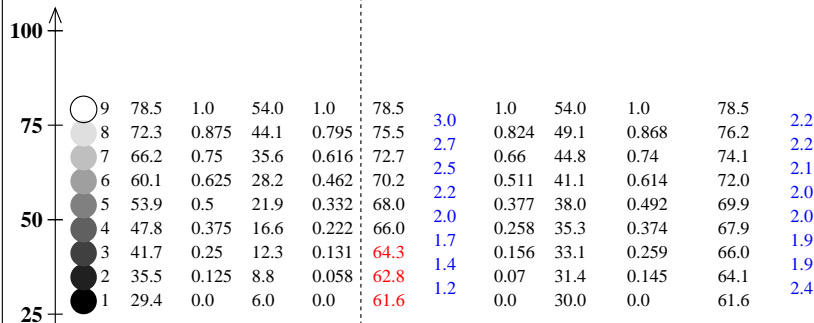**Regularity index according to ISO/IEC 15775:2022, annex G for 5 and 9 steps**

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

	$g^*_5= 99$, $g^*_9= 99$				$g^*_5= 45$, $g^*_9= 39$					$g^*_5= 89$, $g^*_9= 78$	

L^*_{CIELAB}	intended output				real output					linearised output	
n0. i	L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.38}$	L^*_{la}	ΔL^*_{la}
9	78.5	1.0	54.0	1.0	78.5	3.0	1.0	54.0	1.0	78.5	2.2
8	72.3	0.875	44.1	0.795	75.5	2.7	0.824	49.1	0.868	76.2	2.2
7	66.2	0.75	35.6	0.616	72.7	2.5	0.66	44.8	0.74	74.1	2.1
6	60.1	0.625	28.2	0.462	70.2	2.2	0.511	41.1	0.614	72.0	2.0
5	53.9	0.5	21.9	0.332	68.0	2.0	0.377	38.0	0.492	69.9	2.0
4	47.8	0.375	16.6	0.222	66.0	1.7	0.258	35.3	0.374	67.9	1.9
3	41.7	0.25	12.3	0.131	64.3	1.4	0.156	33.1	0.259	66.0	1.9
2	35.5	0.125	8.8	0.058	62.8	1.2	0.07	31.4	0.145	64.1	2.4
1	29.4	0.0	6.0	0.0	61.6		0.0	30.0	0.0	61.6	

$\Delta L^*_{0a}=6.1$ (i=1,2,...,8)

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