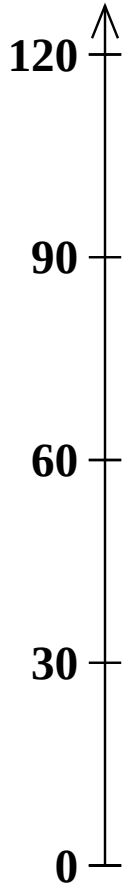
Equal 9 step grey scaling between L^*_{0aN}=14.4 and L^*_{0aW}=95.9, Y_{0ref}=10.0, normalisation grey *U*

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}=34.5, L^*_{taU}=55.2, L^*_{taW}=86.9, Y_{taN}=8.2, Y_{taU}=23.1, Y_{taW}=69.8, 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 [ΔL^*_{min}] / [ΔL^*_{max}], L^*_{CIELAB} = 116 $[Y/Y_n]^{1/3}$ – 16 with Y >= 0,882, Y_n=100



n0. i	intended output g^*_5= 99, g^*_9= 99 L*0a	L*0r	Y0a	Y0r	real output g^*_5= 48, g^*_9= 39 L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.33}$	linearized output g^*_5= 96, g^*_9= 93 L*la	ΔL*la
9	96.0	1.0	90.0	1.0	86.9		1.0	69.8	1.0	86.9	
						8.3					6.4
8	85.8	0.875	67.6	0.746	78.5		0.841	54.2	0.878	80.5	
						8.1					6.5
7	75.6	0.75	49.2	0.538	70.4		0.686	41.3	0.754	74.0	
						7.8					6.6
6	65.4	0.625	34.5	0.371	62.6		0.536	31.1	0.627	67.4	
						7.4					6.7
5	55.2	0.5	23.1	0.242	55.2		0.395	23.1	0.499	60.6	
						6.8					6.7
4	45.0	0.375	14.5	0.144	48.4		0.266	17.1	0.371	53.9	
						5.9					6.6
3	34.8	0.25	8.4	0.075	42.5		0.154	12.8	0.246	47.4	
						4.7					6.2
2	24.6	0.125	4.3	0.028	37.8		0.063	10.0	0.127	41.1	
						3.3					6.6
1	14.4	0.0	1.8	0.0	34.5		0.0	8.2	0.0	34.5	

ΔL^*_{0a}=10.2 (i=1,2,...,8)

normalisation: $Y_{taiU}=Y_{0aU}\frac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$