Equal 9 step grey scaling between L^*_{0aN}=18 & L^*_{0aW}=135.1, Y_{0ref}=200, normalisation white *W*

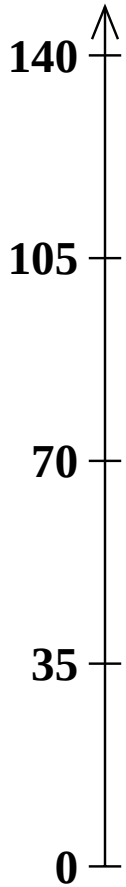
L^*_{0aN}=18.3, L^*_{0aU}=76.7, L^*_{0aW}=135.1, Y_{0aN}=2.0, Y_{0aU}=54.3, Y_{0aW}=200.0, C_{0aY}=Y_{0aW}:Y_{0aN}=100.0

L^*_{taN}=100.4, L^*_{taU}=111.0, L^*_{taW}=135.1, Y_{taN}=101.0, Y_{taU}=127.1, Y_{taW}=200.0, C_{taY}=Y_{taW}:Y_{taN}=2.0

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

g^* = 100 [ΔL^*_{min}] / [ΔL^*_{max}], $L^*_{TUBsRGB,W}$ = 100 $[Y/Y_n]^{1/ln(10)}$ with Y >= 0,39 = 100/255, Y_n=100

$L^*_{TUBsRGB,W}$ intended output						real output						linearized output	
	g^*_5= 99, g^*_9= 99					g^*_5= 25, g^*_9= 17						g^*_5= 38, g^*_9= 26	
n0. i	L*0a	L*0r	Y0a	Y0r		L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/2.75}$		L*la	ΔL*la
9	135.1	1.0	200.0	1.0		135.1		1.0	200.0	1.0		135.1	
							7.0						2.7
8	120.5	0.875	153.7	0.766		128.1		0.797	176.8	0.921		132.4	
							6.4						2.9
7	105.9	0.75	114.1	0.566		121.7		0.612	157.1	0.836		129.4	
							5.7						3.1
6	91.3	0.625	81.1	0.399		115.9		0.447	140.5	0.746		126.3	
							4.9						3.4
5	76.7	0.5	54.3	0.264		111.0		0.304	127.1	0.649		122.9	
							4.1						3.6
4	62.1	0.375	33.4	0.158		106.9		0.187	116.7	0.544		119.3	
							3.1						4.0
3	47.5	0.25	18.0	0.081		103.8		0.097	109.0	0.429		115.3	
							2.1						4.6
2	32.9	0.125	7.7	0.029		101.7		0.035	103.9	0.297		110.7	
							1.2						10.3
1	18.3	0.0	2.0	0.0		100.4		0.0	101.0	0.0		100.4	



ΔL^*_{0a}=14.6 (i=1,2,...,8)

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