Equal 9 step grey scaling between L^*_{0aN}=18 & L^*_{0aW}=135.1, Y_{0ref}=2, 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}=24.6, L^*_{taU}=77.6, L^*_{taW}=135.1, Y_{taN}=4.0, Y_{taU}=55.7, Y_{taW}=200.0, C_{taY}=Y_{taW}:Y_{taN}=50.5

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	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.2}$	L*la	ΔL*la
							g^*_5= 86, g^*_9= 80					g^*_5= 77, g^*_9= 72
140												
	9	135.1	1.0	200.0	1.0	135.1		1.0	200.0	1.0	135.1	
							14.4					12.2
	8	120.5	0.875	153.7	0.766	120.7		0.869	154.1	0.89	122.9	
							14.4					12.5
105	7	105.9	0.75	114.1	0.566	106.2		0.739	115.0	0.777	110.5	
							14.4					12.8
	6	91.3	0.625	81.1	0.399	91.9		0.609	82.3	0.661	97.6	
							14.3					13.2
	5	76.7	0.5	54.3	0.264	77.6		0.479	55.7	0.541	84.4	
70							14.2					13.7
	4	62.1	0.375	33.4	0.158	63.4		0.351	35.0	0.418	70.8	
							13.9					14.3
	3	47.5	0.25	18.0	0.081	49.5		0.225	19.8	0.288	56.5	
							13.3					15.0
35	2	32.9	0.125	7.7	0.029	36.2		0.105	9.6	0.152	41.4	
							11.6					16.8
	1	18.3	0.0	2.0	0.0	24.6		0.0	4.0	0.0	24.6	
0												

ΔL^*_{0a}=14.6 (i=1,2,...,8)

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