Equal 9 step grey scaling between L^*_{0aN}=18 & L^*_{0aW}=135.1, Y_{0ref}=4, 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}=29.2, L^*_{taU}=78.4, L^*_{taW}=135.1, Y_{taN}=5.9, Y_{taU}=57.1, Y_{taW}=200.0, C_{taY}=Y_{taW}:Y_{taN}=34.0

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	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.34}$	L*la	ΔL*la
							g^*_5= 99, g^*_9= 99					g^*_5= 77, g^*_9= 69					g^*_5= 67, g^*_9= 60
140	9	135.1	1.0	200.0	1.0	135.1		1.0	200.0	1.0	135.1	
							14.3					10.9
	8	120.5	0.875	153.7	0.766	120.8		0.865	154.6	0.897	124.2	
							14.2					11.3
105	7	105.9	0.75	114.1	0.566	106.6		0.73	115.8	0.791	113.0	
							14.1					11.7
	6	91.3	0.625	81.1	0.399	92.4		0.597	83.4	0.68	101.2	
							14.0					12.3
	5	76.7	0.5	54.3	0.264	78.4		0.465	57.1	0.564	88.9	
70							13.8					13.0
	4	62.1	0.375	33.4	0.158	64.7		0.335	36.6	0.441	76.0	
							13.3					13.8
	3	47.5	0.25	18.0	0.081	51.4		0.209	21.6	0.311	62.1	
							12.3					14.9
35	2	32.9	0.125	7.7	0.029	39.1		0.093	11.5	0.17	47.2	
							9.9					18.0
	1	18.3	0.0	2.0	0.0	29.2		0.0	5.9	0.0	29.2	
0												

ΔL^*_{0a}=14.6 (i=1,2,...,8)

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