Equal 9 step grey scaling between L^*_{0aN}=−71 & L^*_{0aW}=71.5, Y_{0ref}=4, normalisation white *W*

L^*_{0aN}=−71.4, L^*_{0aU}=0.0, L^*_{0aW}=71.5, Y_{0aN}=2.0, Y_{0aU}=20.0, Y_{0aW}=200.0, C_{0aY}=Y_{0aW}:Y_{0aN}=100.0

L^*_{taN}=−37.9, L^*_{taU}=5.0, L^*_{taW}=71.5, Y_{taN}=5.9, Y_{taU}=23.5, 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}], $L^*_{TUBLOG,Ua}$ = 50 / log(5) [log (Y/Y_u)] with Y_u=20

$L^*_{TUBLOG,Ua}$	intended output					real output					linearized output	
		g^*_5= 100, g^*_9= 99				g^*_5= 48, g^*_9= 41					g^*_5= 96, g^*_9= 89	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.34}$	L*la	ΔL*la
70	9	71.5	1.0	200.0	1.0	71.5		1.0	200.0	1.0	71.5	
							17.4					13.3
	8	53.6	0.875	112.5	0.558	54.1		0.841	114.2	0.879	58.2	
							17.1					13.6
35	7	35.8	0.75	63.2	0.309	37.0		0.685	65.9	0.754	44.6	
							16.5					14.0
	6	17.9	0.625	35.6	0.169	20.6		0.535	38.8	0.626	30.6	
							15.5					14.1
0	5	0.0	0.5	20.0	0.091	5.0		0.393	23.5	0.498	16.5	
							14.1					14.0
	4	−17.8	0.375	11.2	0.047	−9.0		0.264	14.9	0.37	2.5	
							12.1					13.5
−35	3	−35.7	0.25	6.3	0.022	−21.1		0.154	10.1	0.247	−10.9	
							9.7					12.8
	2	−53.6	0.125	3.5	0.008	−30.8		0.065	7.4	0.13	−23.6	
							7.2					14.3
−70	1	−71.4	0.0	2.0	0.0	−37.9		0.0	5.9	0.0	−37.9	

ΔL^*_{0a}=17.9 (i=1,2,...,8)

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