Equal 9 step grey scaling between L^*_{0aN}=−52 & L^*_{0aW}=52.9, Y_{0ref}=4, normalisation white *W*

L^*_{0aN}=−52.8, L^*_{0aU}=0.0, L^*_{0aW}=53.0, Y_{0aN}=3.6, Y_{0aU}=20.0, Y_{0aW}=110.0, C_{0aY}=Y_{0aW}:Y_{0aN}=30.2

L^*_{taN}=−30.9, L^*_{taU}=4.6, L^*_{taW}=53.0, Y_{taN}=7.4, Y_{taU}=23.2, Y_{taW}=110.0, C_{taY}=Y_{taW}:Y_{taN}=14.9

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= 99, g^*_9= 99					g^*_5= 61, g^*_9= 55					g^*_5= 97, g^*_9= 89	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.23}$	L*la	ΔL*la
60												
	9	53.0	1.0	110.0	1.0	53.0		1.0	110.0	1.0	53.0	
							12.7					10.5
	8	39.7	0.875	71.8	0.641	40.3		0.849	73.2	0.875	42.5	
30							12.4					10.6
	7	26.5	0.75	46.9	0.407	27.9		0.702	49.1	0.749	31.9	
							12.0					10.6
	6	13.2	0.625	30.6	0.254	15.9		0.559	33.4	0.623	21.3	
							11.4					10.6
0	5	0.0	0.5	20.0	0.154	4.6		0.424	23.2	0.497	10.7	
							10.6					10.4
	4	−13.1	0.375	13.1	0.089	−5.9		0.297	16.5	0.372	0.3	
							9.6					10.2
	3	−26.4	0.25	8.5	0.046	−15.5		0.183	12.1	0.251	−9.8	
−30							8.4					10.0
	2	−39.6	0.125	5.6	0.018	−23.9		0.083	9.2	0.132	−19.8	
							7.0					11.1
	1	−52.8	0.0	3.6	0.0	−30.9		0.0	7.4	0.0	−30.9	
−60												

ΔL^*_{0a}=13.2 (i=1,2,...,8)

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