Equal 9 step grey scaling between L^*_{0aN}=−55 & L^*_{0aW}=55.6, Y_{0ref}=4, normalisation white *W*

L^*_{0aN}=−55.6, L^*_{0aU}=0.0, L^*_{0aW}=55.7, Y_{0aN}=3.3, Y_{0aU}=20.0, Y_{0aW}=120.0, C_{0aY}=Y_{0aW}:Y_{0aN}=36.0

L^*_{taN}=−32.1, L^*_{taU}=4.6, L^*_{taW}=55.7, Y_{taN}=7.1, Y_{taU}=23.2, Y_{taW}=120.0, C_{taY}=Y_{taW}:Y_{taN}=16.9

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= 59, g^*_9= 53		g^*_5= 97, g^*_9= 89
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.24}$	L*la	ΔL*la
60	9	55.7	1.0	120.0	1.0	55.7		1.0	120.0	1.0	55.7	
							13.3					10.9
	8	41.7	0.875	76.7	0.628	42.3		0.848	78.1	0.876	44.7	
							13.1					11.0
30	7	27.8	0.75	49.0	0.391	29.2		0.699	51.3	0.75	33.7	
							12.6					11.1
	6	13.9	0.625	31.3	0.24	16.6		0.556	34.1	0.623	22.5	
							12.0					11.1
0	5	0.0	0.5	20.0	0.143	4.6		0.419	23.2	0.497	11.4	
							11.1					11.0
	4	−13.8	0.375	12.8	0.081	−6.4		0.293	16.2	0.372	0.5	
							10.0					10.7
−30	3	−27.8	0.25	8.1	0.041	−16.4		0.179	11.8	0.25	−10.1	
							8.6					10.4
	2	−41.7	0.125	5.2	0.016	−25.0		0.081	8.9	0.132	−20.5	
							7.1					11.6
−60	1	−55.6	0.0	3.3	0.0	−32.1		0.0	7.1	0.0	−32.1	

ΔL^*_{0a}=13.9 (i=1,2,...,8)

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