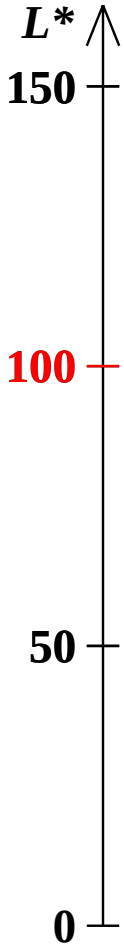
Equal 9 step grey scaling between L^*_{0aN}=14.4 and L^*_{0aW}=125, Y_{0ref}=14.4, normalisation: white *W*

L^*_{0aN}=14.4, L^*_{0aU}=69.7, L^*_{0aW}=125.1, Y_{0aN}=1.8, Y_{0aU}=40.4, Y_{0aW}=180.0, $C_{0aY}=Y_{0aW}:Y_{0aN}$=100.0

L^*_{tN}=45.6, L^*_{taU}=76.5, L^*_{taW}=125.1, Y_{taN}=15.0, Y_{taU}=50.7, Y_{taW}=180.0, $C_{taY}=Y_{taW}:Y_{taN}$=12.0

regularity index according to ISO/IEC 15775:2022, Annex G for 5 and 9 steps

$g^* = 100\ [\Delta L^*_{min}\ ] / [\ \Delta L^*_{max}\ ]$



	g^*_5= 99, g^*_9= 99				g^*_5= 45, g^*_9= 34					g^*_5= 93, g^*_9= 91	
	intended output				real output					linearized output	
n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.37}$	L*la	ΔL*la
9	125.1	1.0	180.0	1.0	125.1	12.7	1.0	180.0	1.0	125.1	9.5
8	111.3	0.875	132.0	0.731	112.4	12.4	0.84	135.6	0.88	115.6	9.8
7	97.4	0.75	93.5	0.514	99.9	12.0	0.684	99.9	0.757	105.8	10.0
6	83.6	0.625	63.3	0.345	87.9	11.4	0.532	71.9	0.631	95.8	10.3
5	69.7	0.5	40.4	0.217	76.5	10.5	0.389	50.7	0.502	85.5	10.4
4	55.9	0.375	23.8	0.124	66.0	9.0	0.257	35.4	0.371	75.1	10.2
3	42.1	0.25	12.5	0.06	57.0	7.0	0.143	24.9	0.242	64.9	9.6
2	28.2	0.125	5.5	0.021	50.1	4.4	0.056	18.5	0.121	55.3	9.6
1	14.4	0.0	1.8	0.0	45.6		0.0	15.0	0.0	45.6	

ΔL^*_{ta}=13.8 (i=1,2,...,9)

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