Equal 9 step grey scaling between L^*_N and L^*_W for three reflections of ambient light

BEG: L^*_N=4.0, L^*_U=50.0, L^*_W=96.0, Y_N=0.4, Y_U=18.4, Y_W=90.0, C_Y=Y_W:Y_N=203.2

L^*

100

75

50

25

90.0

00.44, 90.0

n0.	L*0a	L*0r	Y0a	Y0r	L*ta	ΔLta	L*tr	Yta	Ytr	$(Ytr)^{1/2,04}$	$(Ytr)^{1/2,04}$–L*0r
9	96.0	1.0	90.0	1.0	96.0		1.0	90.0	1.0		
						11.4					
8	84.5	0.875	65.0	0.721	84.5		0.87	65.1	0.721		
						11.4					
7	73.0	0.75	45.1	0.499	73.1		0.74	45.3	0.499		
						11.3					
6	61.5	0.625	29.8	0.328	61.7		0.611	30.1	0.328		
						11.3					
5	50.0	0.5	18.4	0.2	50.4		0.482	18.7	0.2		
						11.2					
4	38.5	0.375	10.3	0.11	39.1		0.354	10.7	0.11		
						11.0					
3	27.0	0.25	5.0	0.051	28.1		0.229	5.5	0.051		
						10.5					
2	15.5	0.125	2.0	0.017	17.6		0.109	2.4	0.017		
						9.6					
1	4.0	0.0	0.4	0.0	7.9		0.0	0.8	0.0		

normalisation: $Y_{ta}=Y_W \dfrac{Y_i+Y_N}{Y_W+Y_N}$

(i=1,2,...,9)