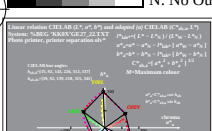

48 step device hue circle and
3 steps of a 16 step elementary hue circle
with equal CIELAB hue steps

KE000 -4N, 1

no.	$h_{ab,a}$	L^*	a^*_a	b^*_a	no.	$h_{ab,a}$	L^*	a^*_a	b^*_a	no.	$h_{ab,a}$	L^*	a^*_a	b^*_a	no.	$h_{ab,a}$	L^*	a^*_a	b^*_a	no.	$h_{ab,a}$	L^*	a^*_a	b^*_a	no.	$h_{ab,a}$	L^*	a^*_a	b^*_a
648	34.9	34.5	59.5	41.6	720	92.5	84.3	−4.8	106.8	72	143.1	43.6	−62.5	46.9	80	226.7	52.2	−28.9	−30.8	8	311.9	13.4	51.3	−57.1	656	337.2	36.9	78.4	−32.8
657	44.1	42.3	52.0	50.4	730	93.0	83.8	−5.5	106.1	73	155.4	45.8	−61.2	28.0	71	227.0	52.2	−28.8	−30.9	89	313.2	16.0	53.5	−57.0	655	337.4	36.9	78.3	−32.6
666	55.7	50.6	41.2	60.5	558	98.8	79.4	−15.5	99.4	74	164.9	47.2	−57.6	15.4	62	234.2	49.9	−23.8	−33.1	170	315.4	18.9	56.1	−55.2	654	338.8	36.9	77.0	−29.8
675	66.5	58.4	30.4	70.3	477	107.0	72.9	−27.4	89.5	75	175.1	48.2	−52.8	4.4	53	245.9	46.3	−16.2	−36.4	251	319.0	22.1	59.4	−51.5	653	341.9	36.6	74.4	−24.2
684	76.7	66.4	19.1	81.2	396	115.0	66.5	−37.3	79.8	76	187.9	49.6	−46.7	−6.5	44	261.5	41.6	−6.0	−40.6	332	322.8	25.6	63.0	−47.8	652	347.3	36.3	71.2	−16.0
693	83.8	73.3	9.8	90.7	315	122.3	61.0	−45.2	71.5	77	203.5	50.7	−39.5	−17.2	35	279.6	35.1	7.7	−45.9	413	327.6	29.6	67.8	−43.0	651	354.6	35.8	68.1	−6.4
702	88.8	79.3	1.9	99.2	234	129.0	56.0	−52.0	64.2	78	217.4	51.7	−33.3	−25.5	26	294.0	28.1	22.7	−51.0	494	332.9	33.4	73.4	−37.4	650	3.9	35.5	65.2	4.5
711	92.4	84.1	−4.5	106.4	153	136.3	49.8	−58.2	55.6	79	225.5	52.2	−29.6	−30.1	17	304.6	20.7	38.1	−55.2	575	336.9	36.7	78.0	−33.2	649	16.0	35.0	62.5	17.9

RJGB*$_{ton}$.** 25.4, 92.3, 162.2, 271.7 ***RJGB*$_{alt}$:** 25.4 42.1 58.8 75.6 92.3 109.7 127.2 144.7 162.2 189.6 216.9 244.3 271.7 300.1 328.6 357.0 ***LAB*Nio: 8.6, 0.9, −6.9 ***LAB*Wio:*** 92.6, 0.1, −6.1

25.4		42.1		58.8		75.6		92.3		109.7		127.2		144.7		162.2		189.6		216.9		244.3		271.7		300.1		328.6		357.0	
47		0		2		5		6		11		13		16		17		20		21		26		28		30		37		45	
3.9	16.0	16.0	34.9	44.1	55.7	55.7	66.5	83.8	88.8	98.8	107.0	115.0	122.3	136.3	143.1	143.1	155.4	175.1	187.9	187.9	203.5	227.0	234.2	245.9	261.5	279.6	294.0	322.8	327.6	347.3	354.6
34.9	44.1	44.1	55.7	66.5	76.7	76.7	83.8	92.4	92.5	115.0	122.3	129.0	136.3	155.4	164.9	164.9	175.1	203.5	217.4	217.4	225.5	245.9	261.5	279.6	294.0	304.6	311.9	332.9	336.9	3.9	16.0
0.498	0.79	0.291	0.889	0.962	0.342	0.736	0.13	0.712	0.103	0.968	0.861	0.563	0.578	0.185	0.26																
650	649	649	648	657	666	666	675	693	702	558	477	396	315	153	72	72	73	75	76	76	77	71	62	53	44	35	26	332	413	652	651
648	657	657	666	675	684	684	693	711	720	396	315	234	153	73	74	74	75	77	78	78	79	53	44	35	26	17	8	494	575	650	649
506	505	505	504	531	558	558	585	639	666	234	711	468	225	459	216	216	217	219	220	220	221	197	170	143	116	89	62	260	503	508	507
504	531	531	558	585	612	639	693	720	468	225	702	459	217	218	218	219	221	222	222	223	143	116	89	62	35	8	26	269	506	505	

no./Code	***R (380nm – 725nm)***																														