

Performance (STRESS values) for large colour difference data (LCD)

dataset	Calculations with data for grey surrounds (D65, P40) and 0.1 < Y < 190				Colour difference formula and STRESS value					
	Pairs	ΔE^*_{ab} range	min	max	mean	CIELAB	CMC	CIE94	CIEDE2000	LAB/JND
OS_0128	128	0.0 to <99.0	7.33	21.63	14.32	24.5	32.8	21.6	22.7	44.2
MU_0844	844	0.0 to <99.0	4.17	22.59	10.05	17.2	31.3	31.3	30.2	54.8
PO_1308	1308	0.0 to <99.0	0.87	26.19	8.9	29.6	38.5	30.6	34.0	40.0
GU_0292	292	0.0 to <99.0	4.79	20.86	11.42	24.9	34.3	18.8	19.5	42.6
ZH_0144	144	0.0 to <99.0	4.85	19.79	9.91	26.3	47.1	34.5	30.9	36.7
BA_0238	238	0.0 to <99.0	4.11	35.78	11.74	30.6	32.4	20.1	19.2	39.6
RL_0080	80	0.0 to <99.0	1.38	36.6	11.11	47.4	66.5	56.2	53.8	52.8
KL_0624	624	0.0 to <99.0	1.91	43.77	21.21	25.0	43.1	33.1	28.8	36.5
OS_0128	0									
MU_0844	17	0.0 to <5.0	4.17	4.97	4.63	22.7	19.1	21.6	35.0	22.6
PO_1308	268	0.0 to <5.0	0.87	4.99	3.36	25.7	32.6	26.1	31.1	34.3
GU_0292	1	0.0 to <5.0	4.79	4.79	4.79	0.1	0.1	0.1	0.1	0.1
ZH_0144	3	0.0 to <5.0	4.85	4.96	4.91	12.3	35.0	12.3	4.6	12.9
BA_0238	8	0.0 to <5.0	4.11	4.92	4.63	10.7	19.2	10.7	20.0	6.6
RL_0080	13	0.0 to <5.0	1.38	4.93	3.27	27.0	45.8	45.3	39.5	42.5
KL_0624	6	0.0 to <5.0	1.91	4.88	3.23	14.1	14.0	14.1	11.8	5.3
OS_0128	9	5.0 to <10.0	7.33	9.86	8.71	10.0	8.7	11.3	12.5	15.6
MU_0844	411	5.0 to <10.0	5.01	9.99	8.58	18.5	25.0	26.5	25.1	54.8
PO_1308	567	5.0 to <10.0	5.01	9.99	7.44	24.7	32.9	24.8	28.9	35.7
GU_0292	95	5.0 to <10.0	5.33	9.97	8.64	15.1	30.0	21.8	22.9	27.5
ZH_0144	70	5.0 to <10.0	5.0	9.98	7.4	27.7	47.6	33.8	32.5	29.7
BA_0238	33	5.0 to <10.0	5.0	9.96	7.09	28.1	13.9	24.7	16.5	55.6
RL_0080	27	5.0 to <10.0	5.14	9.99	7.54	37.1	50.6	49.6	48.6	39.7
KL_0624	68	5.0 to <10.0	5.02	9.99	8.08	17.7	24.8	17.6	17.6	36.2
OS_0128	115	10.0 to <20.0	10.2	19.7	14.54	23.7	32.2	21.9	23.3	36.8
MU_0844	412	10.0 to <20.0	10.0	19.34	11.63	18.5	25.0	26.5	25.1	54.7
PO_1308	160	10.0 to <20.0	10.02	19.87	13.55	23.9	32.5	24.6	28.9	33.1
GU_0292	195	10.0 to <20.0	10.01	18.54	12.76	18.2	30.1	22.5	23.3	30.7
ZH_0144	71	10.0 to <20.0	10.02	19.79	12.59	27.5	47.7	33.8	32.5	29.5
BA_0238	191	10.0 to <20.0	10.11	19.3	12.39	26.1	33.5	19.8	19.6	41.2
RL_0080	33	10.0 to <20.0	10.1	19.9	14.34	41.6	50.7	50.8	48.2	40.8
KL_0624	211	10.0 to <20.0	10.0	19.95	14.86	21.0	34.4	28.9	25.4	33.0
OS_0128	4	20.0 to <99.0	20.01	21.63	20.85	3.8	12.6	15.7	16.8	20.5
MU_0844	4	20.0 to <99.0	20.81	22.59	21.89	26.7	18.9	27.1	43.8	16.6
PO_1308	13	20.0 to <99.0	20.02	26.19	22.77	28.8	42.7	31.5	37.4	26.5
GU_0292	1	20.0 to <99.0	20.86	20.86	20.86	0.1	0.1	0.1	0.1	0.1
ZH_0144	0									
BA_0238	6	20.0 to <99.0	20.19	35.78	26.08	4.7	19.6	4.7	13.3	5.2
RL_0080	7	20.0 to <99.0	20.07	36.6	24.25	24.1	27.9	25.4	24.4	19.9
KL_0624	339	20.0 to <99.0	20.06	43.77	28.11	22.2	39.5	31.4	26.8	35.7
OS_0128	128	5.0 to <99.0	7.33	21.63	14.32	24.5	32.8	21.6	22.7	44.2
MU_0844	827	5.0 to <99.0	5.01	22.59	10.16	17.3	31.3	31.3	30.1	54.3
PO_1308	1040	5.0 to <99.0	5.01	26.19	10.33	24.9	36.2	27.5	32.7	36.3
GU_0292	291	5.0 to <99.0	5.33	20.86	11.44	24.8	34.4	18.7	19.5	42.6
ZH_0144	141	5.0 to <99.0	5.0	19.79	10.01	26.1	47.4	34.5	30.9	36.7
BA_0238	230	5.0 to <99.0	5.0	35.78	11.98	27.9	32.6	19.3	18.7	39.0
RL_0080	67	5.0 to <99.0	5.14	36.6	12.63	43.7	63.7	55.1	49.8	50.2
KL_0624	618	5.0 to <99.0	5.02	43.77	21.38	25.1	43.2	33.3	29.0	36.5

datasets: OS=OSA, MU_0844, PO_1308, GU_0292, ZH_0144, BA_0238, RL_0080, KL_0624

TUB-test chart VE97; Colour differences and formulae input: w/rgb/cmyk -> (w/rgb/cmyk)
 LCD datasets: OS, MU, PO, GU, ZH, BA, RL, KL; ΔE^* ranges of CIELAB, all colours of 128