

Performance (STRESS values) for Small Colour Difference data (SCD)

data set		Calculations with data for grey backgrounds (chromaticity near D65)									
		Colour difference ΔE^*_{CIELAB}					Colour difference formula and STRESS value				
Name	Pairs	ΔE^*_{ab} range	min	max	mean	CIELAB ΔE^*_{ab}	CMC ΔE^*_{CM}	CIE94 ΔE^*_{94}	CIEDE2000 ΔE^*_{00}	LABJND ΔE^*_{85}	
WI_0418	418	0.0 to <99.0	0.11	10.62	1.86	51.7	35.0	31.6	30.1	55.1	
RD_0312	312	0.0 to <99.0	0.77	4.4	1.43	33.4	27.3	20.3	19.5	38.3	
LE_0307	307	0.0 to <99.0	0.39	4.73	1.63	40.0	24.8	30.4	19.2	45.1	
BF_2776	2776	0.0 to <99.0	0.03	18.2	3.0	42.4	30.6	33.7	29.5	52.9	
SS_0446	446	0.0 to <99.0	0.17	7.97	3.03	42.1	31.7	28.7	29.3	45.8	
WI_0418	400	0.0 to <5.0	0.11	4.94	1.67	50.6	35.9	32.4	30.7	55.9	
RD_0312	312	0.0 to <5.0	0.77	4.4	1.43	33.4	27.3	20.3	19.5	38.3	
LE_0307	307	0.0 to <5.0	0.39	4.73	1.63	40.0	24.8	30.4	19.2	45.1	
BF_2776	2325	0.0 to <5.0	0.03	4.99	2.14	40.0	28.7	33.3	27.7	55.0	
SS_0446	385	0.0 to <5.0	0.17	4.96	2.57	38.9	32.1	28.6	28.2	47.2	
WI_0418	18	5.0 to <99.0	5.03	10.62	6.15	21.8	24.0	23.2	22.1	47.4	
RD_0312	0										
LE_0307	0										
BF_2776	451	5.0 to <99.0	5.0	18.2	7.43	37.4	30.6	31.8	29.8	49.4	
SS_0446	61	5.0 to <99.0	5.0	7.97	5.93	33.2	20.0	16.7	17.4	36.7	
WI_0418	17	5.0 to <10.0	5.03	8.75	5.89	21.8	25.2	24.5	23.1	49.3	
RD_0312	0										
LE_0307	0										
BF_2776	389	5.0 to <10.0	5.0	9.91	6.65	35.4	29.8	32.4	28.9	51.1	
SS_0446	61	5.0 to <10.0	5.0	7.97	5.93	33.2	20.0	16.7	17.4	36.7	
WI_0418	1	10.0 to <20.0	10.62	10.62	10.62	0.1	0.1	0.1	0.1	0.1	
RD_0312	0										
LE_0307	0										
BF_2776	62	10.0 to <20.0	10.05	18.2	12.35	32.4	29.6	27.3	29.0	41.7	
SS_0446	0										
WI_0418	0										
RD_0312	0										
LE_0307	0										
BF_2776	0										
SS_0446	0										
WI_0418	0										
RD_0312	0										
LE_0307	0										
BF_2776	0										
SS_0446	0										

Data sets: WI=WITT, RD=RIT-DUPONT, LE=LEEDS, BF=BFD_P, SS=BIGC-S-SG

17-00003

WE180-79_1

TUB-test chart WE18; Colour differences and formulae input: w/rgb/cmyk -> (w/rgb/cmyk)
SCD datasets: WI, RD, LE, BF, SS, ΔE^* ranges of CIELAB, all colours of 418