

Performance (STRESS values) for small colour difference data (SCD)

data set	Calculations with data for grey surrounds (D65) and $0.1 < Y < 190$						Colour difference formula and STRESS value				
	Difference ΔE^*_{CIELAB}										
Name	Pairs	ΔE^*_{ab} range	min	max	mean		CIE LAB ΔE_{ab} PF	CMC ΔE_{CMs} PF	CIE94 ΔE_{94} PF	CIEDE2000 ΔE_{00} PF	LABJND ΔE_{85} PF
WI_0418	418	0.0 to <99.0	0.11	10.62	1.86		41.5	32.7	30.6	28.5	43.9
RD_0312	312	0.0 to <99.0	0.77	4.4	1.43		17.6	17.7	14.1	13.4	15.3
LE_0307	307	0.0 to <99.0	0.39	4.73	1.63		29.8	20.1	24.4	17.5	26.0
BF_2776	2776	0.0 to <99.0	0.03	18.2	3.0		37.2	29.9	30.8	28.4	43.1
SS_0446	446	0.0 to <99.0	0.17	7.97	3.03		32.5	24.6	23.4	22.4	30.3
WI_0418	400	0.0 to <5.0	0.11	4.94	1.67		43.3	33.8	31.5	29.4	44.5
RD_0312	312	0.0 to <5.0	0.77	4.4	1.43		17.6	17.7	14.1	13.4	15.3
LE_0307	307	0.0 to <5.0	0.39	4.73	1.63		29.8	20.1	24.4	17.5	26.0
BF_2776	2325	0.0 to <5.0	0.03	4.99	2.14		39.0	29.8	32.1	28.7	43.2
SS_0446	385	0.0 to <5.0	0.17	4.96	2.57		31.7	24.6	24.2	22.5	31.1
WI_0418	18	5.0 to <99.0	5.03	10.62	6.15		19.4	22.8	22.0	20.2	27.5
RD_0312	0										
LE_0307	0										
BF_2776	451	5.0 to <99.0	5.0	18.2	7.43		34.4	28.9	28.7	27.3	33.7
SS_0446	61	5.0 to <99.0	5.0	7.97	5.93		32.0	21.5	17.5	17.0	26.1
WI_0418	17	5.0 to <10.0	5.03	8.75	5.89		20.4	24.1	23.0	21.3	27.9
RD_0312	0										
LE_0307	0										
BF_2776	389	5.0 to <10.0	5.0	9.91	6.65		35.4	29.3	29.9	27.6	34.5
SS_0446	61	5.0 to <10.0	5.0	7.97	5.93		32.0	21.5	17.5	17.0	26.1
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		30.3	27.5	23.9	25.8	25.1
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_ALL, SS=BIGG_SSG

TUB-test chart WE59; Colour differences and formulae

SCD datasets: WI, RD, LE, BF, SS, ΔE^* ranges of CIELAB, all colours of 418

input: w/rgb/cmyk -> (w/rgb/cmyk)