

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

data set	Calculations with data for grey surrounds (D65) and $0,1 < Y < 190$									
	Difference $\Delta E^*_{CIELAB}$					Colour difference formula and STRESS value				
Name	Pairs	$\Delta E^*_{ab}$ range	min	max	mean	CIELAB $\Delta E^*_{ab}$	CMC $\Delta E^*_{CMs}$	CIE94 $\Delta E^*_{94}$	CIEDE2000 $\Delta E^*_{00}$	LABJND $\Delta E^*_{85}$
WI_0418	418	0.0 to <99.0	0.11	10.62	1.86	51.7	35.2	31.6	30.1	55.1
RD_0312	312	0.0 to <99.0	0.77	4.4	1.43	33.4	27.2	20.3	19.5	38.3
LE_0307	307	0.0 to <99.0	0.39	4.73	1.63	40.0	24.6	30.4	19.2	45.1
BF_2776	2776	0.0 to <99.0	0.03	18.2	3.0	42.4	30.8	33.7	29.5	52.9
SS_0446	446	0.0 to <99.0	0.17	7.97	3.03	42.1	31.3	28.7	29.3	45.8
WI_0418	400	0.0 to <5.0	0.11	4.94	1.67	50.6	36.0	32.4	30.7	55.9
RD_0312	312	0.0 to <5.0	0.77	4.4	1.43	33.4	27.2	20.3	19.5	38.3
LE_0307	307	0.0 to <5.0	0.39	4.73	1.63	40.0	24.6	30.4	19.2	45.1
BF_2776	2325	0.0 to <5.0	0.03	4.99	2.14	40.0	28.8	33.3	27.7	55.0
SS_0446	385	0.0 to <5.0	0.17	4.96	2.57	38.9	31.2	28.6	28.2	47.2
WI_0418	18	5.0 to <99.0	5.03	10.62	6.15	21.8	25.4	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	31.1	31.8	29.8	49.4
SS_0446	61	5.0 to <99.0	5.0	7.97	5.93	33.2	19.9	16.7	17.4	36.7
WI_0418	17	5.0 to <10.0	5.03	8.75	5.89	21.8	26.5	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	30.3	32.4	28.9	51.1
SS_0446	61	5.0 to <10.0	5.0	7.97	5.93	33.2	19.9	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	30.3	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\_ALL, SS=BIGC\_SSG