a	b	c	d	e
Data Set	Input1_InterferenceFilterSpectra			
Cone sensitivitie	H_erato_male_Palacios1996.csv			
Ocular Media	Disregarded			
Irradiance Spec	Daylight			
Von Kreis Trans	TRUE			
Von Kreis Denor	0.1617337	0.6604168	0.7867202	

	700 nm	690 nm	680 nm	671 nm	660 nm	650 nm	640 nm	632 nm	620 nm	610 nm
700 nm	0	4.39094	10.56329	18.41395	24.69307	31.42844	35.82593	38.97108	40.6455	41.20862
690 nm	4.39094	0	6.03613	13.83684	20.15748	27.01035	31.53337	34.84423	36.7229	37.56911
680 nm	10.56329	6.03613	0	8.20843	14.98988	22.36444	27.23125	30.81679	32.90499	33.96087
671 nm	18.41395	13.83684	8.20843	0	7.25267	15.33112	20.70113	24.71864	27.16911	28.6168
660 nm	24.69307	20.15748	14.98988	7.25267	0	8.49962	14.28906	18.72018	21.55729	23.45269
650 nm	31.42844	27.01035	22.36444	15.33112	8.49962	0	6.12506	11.03284	14.38035	16.89708
640 nm	35.82593	31.53337	27.23125	20.70113	14.28906	6.12506	0	5.14906	8.86081	11.86652
632 nm	38.97108	34.84423	30.81679	24.71864	18.72018	11.03284	5.14906	0	3.93333	7.34633
620 nm	40.6455	36.7229	32.90499	27.16911	21.55729	14.38035	8.86081	3.93333	0	3.64649
610 nm	41.20862	37.56911	33.96087	28.6168	23.45269	16.89708	11.86652	7.34633	3.64649	0
600 nm	40.44481	37.09182	33.65999	28.65956	23.90051	17.91568	13.34607	9.24477	5.8696	2.45322
589 nm	37.93091	34.93843	31.71715	27.12284	22.83854	17.51678	13.47999	9.86993	6.90261	3.87574
580 nm	35.73657	32.98377	29.9183	25.60553	21.63619	16.74465	13.05012	9.75488	7.0511	4.29234
570 nm	31.23061	28.88616	26.12734	22.32815	18.90251	14.73255	11.60334	8.82387	6.55049	4.23805
560 nm	25.5815	23.68637	21.336	18.16349	15.35706	11.97977	9.46115	7.23362	5.41934	3.59252
550 nm	19.37154	17.93519	16.07623	13.60723	11.45625	8.89149	6.98899	5.31458	3.96601	2.66625
540 nm	13.57995	12.55627	11.19438	9.40562	7.86373	6.03877	4.69135	3.51097	2.58708	1.83308
532 nm	10.46877	9.65712	8.56841	7.14884	5.9356	4.51167	3.46567	2.55107	1.86224	1.46554
520 nm	5.39561	4.84137	4.11572	3.22861	2.5499	1.87303	1.42674	0.98366	0.62608	0.97213
510 nm	4.72296	3.99979	3.068	1.99432	1.36588	1.21906	1.28285	1.10074	0.55564	0.44405
500 nm	4.09152	3.20753	2.03924	0.5879	0.52778	1.53844	1.92014	1.78431	1.11653	0.05564
492 nm	4.36867	3.27787	1.89244	0.91905	1.81474	2.9541	3.37439	3.15236	2.26982	0.7881
480 nm	4.00733	2.78221	1.73186	2.65152	4.14411	5.53537	5.97861	5.58293	4.33599	2.34788
470 nm	2.82345	1.92573	2.41631	4.54003	6.34644	7.89258	8.32986	7.78223	6.22642	3.77916
460 nm	1.83135	1.89046	3.45353	5.89558	7.79231	9.38789	9.82836	9.22181	7.50656	4.76334
450 nm	1.35021	2.73218	4.71815	7.20816	9.09274	10.72847	11.26141	10.76212	9.0563	6.07527
440 nm	2.10643	3.45533	5.28341	7.56423	9.31732	10.93433	11.59761	11.36387	9.95805	7.11505
430 nm	3.35496	4.09176	5.21371	6.72623	7.95701	9.21185	9.88772	10.0497	9.42933	7.58633
420 nm	3.39925	3.7575	4.33891	5.17659	5.89285	6.67137	7.14762	7.37767	7.20971	6.31076
410 nm	5.40343	5.36444	5.30286	5.19949	5.06314	4.82454	4.57639	4.24605	3.80447	3.05667
400 nm	6.58004	6.51803	6.41779	6.24799	6.0319	5.66047	5.27825	4.77947	4.12891	3.08914
390 nm	8.60793	8.53507	8.42027	8.22347	7.95937	7.47627	6.95908	6.26232	5.3495	4.03506
380 nm	10.2578	10.17981	10.06055	9.85222	9.55493	8.97777	8.34417	7.48342	6.38346	4.967
370 nm	10.97852	10.90282	10.78974	10.58901	10.28844	9.68214	9.00803	8.09031	6.93643	5.53588
360 nm	11.81163	11.71099	11.55751	11.28734	10.90292	10.15547	9.34636	8.27745	6.97564	5.44131
350 nm	12.91474	12.76423	12.52877	12.11949	11.57516	10.57329	9.52564	8.18777	6.59675	4.68031
340 nm	13.92416	13.74001	13.45146	12.95191	12.30086	11.12327	9.90783	8.37443	6.56216	4.32636
330 nm	16.05039	15.84494	15.53774	15.00611	14.29555	12.98053	11.63288	9.9585	8.0577	5.98018
320 nm	18.40215	18.19861	17.93232	17.47293	16.80541	15.48135	14.12017	12.44567	10.63274	8.94542
310 nm	26.12789	25.62518	25.31451	24.91896	24.22716	22.65997	21.18914	19.56846	18.10537	17.28909
300 nm	15.52651	15.33744	15.47119	16.10919	16.71661	17.07778	17.11831	16.88772	16.56636	16.69244

	600 nm	589 nm	580 nm	570 nm	560 nm	550 nm	540 nm	532 nm	520 nm	510 nm
700 nm	40.44481	37.93091	35.73657	31.23061	25.5815	19.37154	13.57995	10.46877	5.39561	4.72296
690 nm	37.09182	34.93843	32.98377	28.88616	23.68637	17.93519	12.55627	9.65712	4.84137	3.99979
680 nm	33.65999	31.71715	29.9183	26.12734	21.336	16.07623	11.19438	8.56841	4.11572	3.068
671 nm	28.65956	27.12284	25.60553	22.32815	18.16349	13.60723	9.40562	7.14884	3.22861	1.99432
660 nm	23.90051	22.83854	21.63619	18.90251	15.35706	11.45625	7.86373	5.9356	2.5499	1.36588
650 nm	17.91568	17.51678	16.74465	14.73255	11.97977	8.89149	6.03877	4.51167	1.87303	1.21906
640 nm	13.34607	13.47999	13.05012	11.60334	9.46115	6.98899	4.69135	3.46567	1.42674	1.28285
632 nm	9.24477	9.86993	9.75488	8.82387	7.23362	5.31458	3.51097	2.55107	0.98366	1.10074
620 nm	5.8696	6.90261	7.0511	6.55049	5.41934	3.96601	2.58708	1.86224	0.62608	0.55564
610 nm	2.45322	3.87574	4.29234	4.23805	3.59252	2.66625	1.83308	1.46554	0.97213	0.44405
600 nm	0	1.62924	2.22994	2.51292	2.26419	1.8344	1.58373	1.56757	1.59508	1.2486
589 nm	1.62924	0	0.691	1.21582	1.32683	1.42304	1.71245	1.93461	2.30091	2.15055
580 nm	2.22994	0.691	0	0.6103	0.91271	1.27505	1.76477	2.06157	2.54957	2.48619
570 nm	2.51292	1.21582	0.6103	0	0.4794	1.06722	1.73571	2.11425	2.77809	2.85616
560 nm	2.26419	1.32683	0.91271	0.4794	0	0.63832	1.39144	1.81739	2.59386	2.76922
550 nm	1.8344	1.42304	1.27505	1.06722	0.63832	0	0.82092	1.29257	2.18278	2.45446
540 nm	1.58373	1.71245	1.76477	1.73571	1.39144	0.82092	0	0.46867	1.33825	1.60945
532 nm	1.56757	1.93461	2.06157	2.11425	1.81739	1.29257	0.46867	0	0.86236	1.14064
520 nm	1.59508	2.30091	2.54957	2.77809	2.59386	2.18278	1.33825	0.86236	0	0.31933
510 nm	1.2486	2.15055	2.48619	2.85616	2.76922	2.45446	1.60945	1.14064	0.31933	0
500 nm	1.04839	2.17044	2.60106	3.11955	3.12175	2.88869	2.00017	1.50915	0.65589	0.28727
492 nm	0.51803	1.91055	2.46953	3.18456	3.30796	3.18322	2.25847	1.75683	0.93434	0.59909
480 nm	0.91677	1.47491	2.18146	3.16155	3.45504	3.48005	2.51333	2.01864	1.35806	1.21561
470 nm	1.92032	1.22466	1.92256	3.07621	3.49712	3.63557	2.63547	2.16693	1.74978	1.85475
460 nm	2.61249	1.11678	1.71006	2.97488	3.48106	3.69394	2.65671	2.20916	2.0096	2.31979
450 nm	3.54791	0.80171	1.00731	2.55328	3.19313	3.50443	2.33429	1.88804	2.13039	2.82258
440 nm	4.47286	1.24747	0.47452	2.12735	2.83408	3.16544	1.70676	1.12201	2.01112	3.11784
430 nm	5.49306	2.93096	2.41062	2.91636	3.31426	3.3859	1.63503	0.48325	1.93336	3.38327
420 nm	4.99447	3.16394	2.85158	3.28556	3.56367	3.55432	1.99714	0.86904	1.80756	3.1186
410 nm	2.27308	1.39783	1.23192	1.32235	1.39413	1.39053	1.21174	1.11578	1.08652	1.10254
400 nm	2.0726	0.89949	0.54206	0.59675	0.69342	0.69175	0.49952	0.46457	0.46482	0.43572
390 nm	3.01081	2.2034	2.07767	2.09905	2.14257	2.12839	1.99193	1.90365	1.7474	1.76488
380 nm	4.0624	3.49453	3.44287	3.48163	3.51054	3.4557	3.23857	3.05003	2.64473	2.75802
370 nm	4.73	4.27561	4.25579	4.30617	4.3248	4.23452	3.94092	3.67315	3.09048	3.27397
360 nm	4.56809	4.07461	4.04208	4.08127	4.1011	4.02507	3.77903	3.55653	3.05323	3.16443
350 nm	3.45016	2.61248	2.47483	2.45173	2.47746	2.45634	2.35542	2.28078	2.09354	2.04957
340 nm	2.71742	1.21315	0.66461	0.12798	0.2268	0.27326	0.12763	0.1714	0.14853	0.11241
330 nm	4.83282	4.15897	4.07869	4.0788	4.09209	4.01666	3.79431	3.60392	3.21586	3.27691
320 nm	8.28203	8.00193	8.03662	8.06468	7.9414	7.50642	6.61105	5.88944	4.77611	5.3404
310 nm	17.33905	17.29391	17.19251	16.52439	15.06856	12.68111	9.6263	7.83283	5.77755	7.02274
300 nm	17.21572	17.4309	17.35227	16.54229	14.7651	12.05148	8.82004	6.94073	4.25367	4.7587

	500 nm	492 nm	480 nm	470 nm	460 nm	450 nm	440 nm	430 nm	420 nm	410 nm
700 nm	4.09152	4.36867	4.00733	2.82345	1.83135	1.35021	2.10643	3.35496	3.39925	5.40343
690 nm	3.20753	3.27787	2.78221	1.92573	1.89046	2.73218	3.45533	4.09176	3.7575	5.36444
680 nm	2.03924	1.89244	1.73186	2.41631	3.45353	4.71815	5.28341	5.21371	4.33891	5.30286
671 nm	0.5879	0.91905	2.65152	4.54003	5.89558	7.20816	7.56423	6.72623	5.17659	5.19949
660 nm	0.52778	1.81474	4.14411	6.34644	7.79231	9.09274	9.31732	7.95701	5.89285	5.06314
650 nm	1.53844	2.9541	5.53537	7.89258	9.38789	10.72847	10.93433	9.21185	6.67137	4.82454
640 nm	1.92014	3.37439	5.97861	8.32986	9.82836	11.26141	11.59761	9.88772	7.14762	4.57639
632 nm	1.78431	3.15236	5.58293	7.78223	9.22181	10.76212	11.36387	10.0497	7.37767	4.24605
620 nm	1.11653	2.26982	4.33599	6.22642	7.50656	9.0563	9.95805	9.42933	7.20971	3.80447
610 nm	0.05564	0.7881	2.34788	3.77916	4.76334	6.07527	7.11505	7.58633	6.31076	3.05667
600 nm	1.04839	0.51803	0.91677	1.92032	2.61249	3.54791	4.47286	5.49306	4.99447	2.27308
589 nm	2.17044	1.91055	1.47491	1.22466	1.11678	0.80171	1.24747	2.93096	3.16394	1.39783
580 nm	2.60106	2.46953	2.18146	1.92256	1.71006	1.00731	0.47452	2.41062	2.85158	1.23192
570 nm	3.11955	3.18456	3.16155	3.07621	2.97488	2.55328	2.12735	2.91636	3.28556	1.32235
560 nm	3.12175	3.30796	3.45504	3.49712	3.48106	3.19313	2.83408	3.31426	3.56367	1.39413
550 nm	2.88869	3.18322	3.48005	3.63557	3.69394	3.50443	3.16544	3.3859	3.55432	1.39053
540 nm	2.00017	2.25847	2.51333	2.63547	2.65671	2.33429	1.70676	1.63503	1.99714	1.21174
532 nm	1.50915	1.75683	2.01864	2.16693	2.20916	1.88804	1.12201	0.48325	0.86904	1.11578
520 nm	0.65589	0.93434	1.35806	1.74978	2.0096	2.13039	2.01112	1.93336	1.80756	1.08652
510 nm	0.28727	0.59909	1.21561	1.85475	2.31979	2.82258	3.11784	3.38327	3.1186	1.10254
500 nm	0	0.36705	1.09716	1.86305	2.43705	3.12086	3.55116	3.83605	3.40055	1.01018
492 nm	0.36705	0	0.80868	1.70187	2.39291	3.2581	3.80943	4.07333	3.43782	0.90201
480 nm	1.09716	0.80868	0	0.98976	1.79325	2.82703	3.46925	3.71249	3.01173	0.74572
470 nm	1.86305	1.70187	0.98976	0	0.85084	1.97855	2.68288	3.01363	2.44295	0.61665
460 nm	2.43705	2.39291	1.79325	0.85084	0	1.16793	1.91889	2.37439	1.96908	0.5174
450 nm	3.12086	3.2581	2.82703	1.97855	1.16793	0	0.79893	1.45308	1.30666	0.36219
440 nm	3.55116	3.80943	3.46925	2.68288	1.91889	0.79893	0	0.7778	0.82177	0.22923
430 nm	3.83605	4.07333	3.71249	3.01363	2.37439	1.45308	0.7778	0	0.23295	0.0602
420 nm	3.40055	3.43782	3.01173	2.44295	1.96908	1.30666	0.82177	0.23295	0	0.03577
410 nm	1.01018	0.90201	0.74572	0.61665	0.5174	0.36219	0.22923	0.0602	0.03577	0
400 nm	0.39605	0.35325	0.31659	0.30092	0.28202	0.22566	0.17381	0.17437	0.19329	0.10706
390 nm	1.64041	1.49092	1.26056	1.06303	0.91735	0.72092	0.58841	0.47397	0.43368	0.30841
380 nm	2.61667	2.43193	2.08709	1.76861	1.53032	1.21459	1.00215	0.78983	0.69805	0.53707
370 nm	3.14183	2.96162	2.56931	2.18898	1.90076	1.51867	1.26038	0.99011	0.86631	0.67712
360 nm	3.01085	2.8182	2.43859	2.07977	1.80937	1.45122	1.21183	0.97345	0.86925	0.71961
350 nm	1.90157	1.73627	1.48661	1.27042	1.10922	0.89178	0.75578	0.67316	0.65622	0.63387
340 nm	0.10224	0.11357	0.19499	0.23546	0.22834	0.14241	0.1121	0.28776	0.36729	0.48304
330 nm	3.09097	2.86536	2.45786	2.07844	1.78574	1.36948	1.04893	0.60952	0.31857	0.28825
320 nm	5.29674	5.22822	4.69944	4.04445	3.49907	2.71501	2.10468	1.22487	0.65472	0.17533
310 nm	7.40678	8.13648	8.22459	7.51835	6.64285	5.14504	3.87279	2.04489	1.03726	0.12158
300 nm	4.80217	5.18917	4.91167	3.93342	2.89671	1.31176	0.26466	0.95983	1.07528	1.27941

	400 nm	390 nm	380 nm	370 nm	360 nm	350 nm	340 nm	330 nm	320 nm	310 nm	300 nm
700 nm	6.58004	8.60793	10.2578	10.97852	11.81163	12.91474	13.92416	16.05039	18.40215	26.12789	15.52651
690 nm	6.51803	8.53507	10.17981	10.90282	11.71099	12.76423	13.74001	15.84494	18.19861	25.62518	15.33744
680 nm	6.41779	8.42027	10.06055	10.78974	11.55751	12.52877	13.45146	15.53774	17.93232	25.31451	15.47119
671 nm	6.24799	8.22347	9.85222	10.58901	11.28734	12.11949	12.95191	15.00611	17.47293	24.91896	16.10919
660 nm	6.0319	7.95937	9.55493	10.28844	10.90292	11.57516	12.30086	14.29555	16.80541	24.22716	16.71661
650 nm	5.66047	7.47627	8.97777	9.68214	10.15547	10.57329	11.12327	12.98053	15.48135	22.65997	17.07778
640 nm	5.27825	6.95908	8.34417	9.00803	9.34636	9.52564	9.90783	11.63288	14.12017	21.18914	17.11831
632 nm	4.77947	6.26232	7.48342	8.09031	8.27745	8.18777	8.37443	9.9585	12.44567	19.56846	16.88772
620 nm	4.12891	5.3495	6.38346	6.93643	6.97564	6.59675	6.56216	8.0577	10.63274	18.10537	16.56636
610 nm	3.08914	4.03506	4.967	5.53588	5.44131	4.68031	4.32636	5.98018	8.94542	17.28909	16.69244
600 nm	2.0726	3.01081	4.0624	4.73	4.56809	3.45016	2.71742	4.83282	8.28203	17.33905	17.21572
589 nm	0.89949	2.2034	3.49453	4.27561	4.07461	2.61248	1.21315	4.15897	8.00193	17.29391	17.4309
580 nm	0.54206	2.07767	3.44287	4.25579	4.04208	2.47483	0.66461	4.07869	8.03662	17.19251	17.35227
570 nm	0.59675	2.09905	3.48163	4.30617	4.08127	2.45173	0.12798	4.0788	8.06468	16.52439	16.54229
560 nm	0.69342	2.14257	3.51054	4.3248	4.1011	2.47746	0.2268	4.09209	7.9414	15.06856	14.7651
550 nm	0.69175	2.12839	3.4557	4.23452	4.02507	2.45634	0.27326	4.01666	7.50642	12.68111	12.05148
540 nm	0.49952	1.99193	3.23857	3.94092	3.77903	2.35542	0.12763	3.79431	6.61105	9.6263	8.82004
532 nm	0.46457	1.90365	3.05003	3.67315	3.55653	2.28078	0.1714	3.60392	5.88944	7.83283	6.94073
520 nm	0.46482	1.7474	2.64473	3.09048	3.05323	2.09354	0.14853	3.21586	4.77611	5.77755	4.25367
510 nm	0.43572	1.76488	2.75802	3.27397	3.16443	2.04957	0.11241	3.27691	5.3404	7.02274	4.7587
500 nm	0.39605	1.64041	2.61667	3.14183	3.01085	1.90157	0.10224	3.09097	5.29674	7.40678	4.80217
492 nm	0.35325	1.49092	2.43193	2.96162	2.8182	1.73627	0.11357	2.86536	5.22822	8.13648	5.18917
480 nm	0.31659	1.26056	2.08709	2.56931	2.43859	1.48661	0.19499	2.45786	4.69944	8.22459	4.91167
470 nm	0.30092	1.06303	1.76861	2.18898	2.07977	1.27042	0.23546	2.07844	4.04445	7.51835	3.93342
460 nm	0.28202	0.91735	1.53032	1.90076	1.80937	1.10922	0.22834	1.78574	3.49907	6.64285	2.89671
450 nm	0.22566	0.72092	1.21459	1.51867	1.45122	0.89178	0.14241	1.36948	2.71501	5.14504	1.31176
440 nm	0.17381	0.58841	1.00215	1.26038	1.21183	0.75578	0.1121	1.04893	2.10468	3.87279	0.26466
430 nm	0.17437	0.47397	0.78983	0.99011	0.97345	0.67316	0.28776	0.60952	1.22487	2.04489	0.95983
420 nm	0.19329	0.43368	0.69805	0.86631	0.86925	0.65622	0.36729	0.31857	0.65472	1.03726	1.07528
410 nm	0.10706	0.30841	0.53707	0.67712	0.71961	0.63387	0.48304	0.28825	0.17533	0.12158	1.27941
400 nm	0	0.20355	0.43493	0.57398	0.63031	0.57611	0.45372	0.28858	0.16348	0.03314	1.45865
390 nm	0.20355	0	0.23911	0.38214	0.45317	0.42389	0.31834	0.18024	0.10909	0.20488	1.79729
380 nm	0.43493	0.23911	0	0.14498	0.22342	0.20679	0.12562	0.146	0.27763	0.49008	2.03838
370 nm	0.57398	0.38214	0.14498	0	0.08081	0.07629	0.10741	0.26293	0.42847	0.67363	2.15616
360 nm	0.63031	0.45317	0.22342	0.08081	0	0.03907	0.16117	0.3436	0.52587	0.79686	2.20199
350 nm	0.57611	0.42389	0.20679	0.07629	0.03907	0	0.13295	0.32574	0.52022	0.8126	2.23235
340 nm	0.45372	0.31834	0.12562	0.10741	0.16117	0.13295	0	0.19218	0.38975	0.69053	2.4222
330 nm	0.28858	0.18024	0.146	0.26293	0.3436	0.32574	0.19218	0	0.20596	0.53721	3.06687
320 nm	0.16348	0.10909	0.27763	0.42847	0.52587	0.52022	0.38975	0.20596	0	0.35942	3.91809
310 nm	0.03314	0.20488	0.49008	0.67363	0.79686	0.8126	0.69053	0.53721	0.35942	0	5.93932
300 nm	1.45865	1.79729	2.03838	2.15616	2.20199	2.23235	2.4222	3.06687	3.91809	5.93932	0