Polarization Transmission Data

File : C:\tbida\zemax_port\echelle\DCTfiles\Run1082_5min_0.4-0.8.ZMX
Title:
Date : WED SEP 9 2009

Field is unpolarized.

Grid Size : 32 x 32

Aperture, Fresnel, coating, vignetting, and internal transmittance effects are considered.

Field Pos : 0.0000, 0.0000 deg
  Transmission at   0.3800:   0.186280703
  Transmission at   0.4000:   0.242461733
  Transmission at   0.4500:   0.282896613
  Transmission at   0.5000:   0.306594691
  Transmission at   0.5500:   0.316456566
  Transmission at   0.6000:   0.319108795
  Transmission at   0.6500:   0.318630833
  Transmission at   0.7000:   0.321522312
  Transmission at   0.7500:   0.319360161
  Transmission at   0.8000:   0.317816057
  Total Transmission   :   0.293112846

Chief Ray Transmission Surface By Surface:

Field Pos : 0.0000, 0.0000 deg
Wavelength 1: 0.380 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.852249	0.952242
10	0.806370	0.946168
11	0.779806	0.967057
12	0.754117	0.967057
13	0.754117	1.000000
14	0.754117	1.000000
15	0.754117	1.000000
16	0.726578	0.963482
17	0.726578	1.000000
18	0.700045	0.963482
19	0.700045	1.000000
20	0.660357	0.943306
21	0.660357	1.000000
22	0.638603	0.967058
23	0.637653	0.998513
24	0.603185	0.945944
25	0.583314	0.967058
26	0.582447	0.998513
27	0.578444	0.993127
28	0.554575	0.958736
29	0.554575	1.000000
30	0.554575	1.000000
31	0.554575	1.000000
32	0.554575	1.000000
33	0.515411	0.929381
34	0.398381	0.772939
35	0.398381	1.000000
36	0.398381	1.000000
37	0.398381	1.000000
38	0.398381	1.000000
39	0.376883	0.946035
40	0.376883	1.000000
41	0.376883	1.000000
42	0.376883	1.000000
43	0.376883	1.000000
44	0.352319	0.934823
45	0.263482	0.747851
46	0.263482	1.000000
47	0.263482	1.000000
48	0.263482	1.000000
49	0.263482	1.000000
50	0.252687	0.959031
51	0.252622	0.999741
52	0.250188	0.990365
53	0.241961	0.967116
54	0.230419	0.952298
55	0.228414	0.991303
56	0.221001	0.967545
57	0.212990	0.963750

58	0.205274	0.963773
59	0.205274	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 2: 0.400 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.852647	0.952688
10	0.808540	0.948271
11	0.782066	0.967256
12	0.756458	0.967256
13	0.756458	1.000000
14	0.756458	1.000000
15	0.756458	1.000000
16	0.729057	0.963778
17	0.729057	1.000000
18	0.702649	0.963778
19	0.702649	1.000000
20	0.662813	0.943306
21	0.662813	1.000000
22	0.641111	0.967257
23	0.640182	0.998551
24	0.606962	0.948108
25	0.587088	0.967257
26	0.586238	0.998551
27	0.583274	0.994945
28	0.559370	0.959017
29	0.559370	1.000000
30	0.559370	1.000000
31	0.559370	1.000000
32	0.559370	1.000000
33	0.520467	0.930453
34	0.446973	0.858792
35	0.446973	1.000000
36	0.446973	1.000000
37	0.446973	1.000000
38	0.446973	1.000000
39	0.422853	0.946037
40	0.422853	1.000000
41	0.422853	1.000000
42	0.422853	1.000000
43	0.422853	1.000000
44	0.395490	0.935290
45	0.337829	0.854203
46	0.337829	1.000000
47	0.337829	1.000000
48	0.337829	1.000000
49	0.337829	1.000000
50	0.324044	0.959194
51	0.323963	0.999752
52	0.321712	0.993050
53	0.311188	0.967289
54	0.296475	0.952719
55	0.294542	0.993480
56	0.284986	0.967556
57	0.274708	0.963937
58	0.264803	0.963943
59	0.264803	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 3: 0.450 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.853402	0.953531
10	0.809972	0.949110
11	0.783760	0.967638
12	0.758396	0.967637
13	0.758396	1.000000
14	0.758396	1.000000
15	0.758396	1.000000
16	0.731354	0.964344
17	0.731354	1.000000
18	0.705277	0.964344
19	0.705277	1.000000

20	0.665292	0.943305
21	0.665292	1.000000
22	0.643762	0.967638
23	0.642875	0.998623
24	0.610055	0.948947
25	0.590312	0.967638
26	0.589499	0.998623
27	0.586531	0.994965
28	0.562809	0.959556
29	0.562809	1.000000
30	0.562809	1.000000
31	0.562809	1.000000
32	0.562809	1.000000
33	0.524755	0.932386
34	0.470413	0.896443
35	0.470413	1.000000
36	0.470413	1.000000
37	0.470413	1.000000
38	0.470413	1.000000
39	0.445029	0.946039
40	0.445029	1.000000
41	0.445029	1.000000
42	0.445029	1.000000
43	0.445029	1.000000
44	0.416580	0.936073
45	0.375348	0.901023
46	0.375348	1.000000
47	0.375348	1.000000
48	0.375348	1.000000
49	0.375348	1.000000
50	0.360183	0.959599
51	0.360101	0.999772
52	0.357810	0.993637
53	0.346233	0.967645
54	0.330146	0.953538
55	0.328084	0.993752
56	0.317491	0.967714
57	0.306183	0.964383
58	0.295277	0.964381
59	0.295277	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 4: 0.500 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.853929	0.954120
10	0.811446	0.950250
11	0.785405	0.967908
12	0.760199	0.967907
13	0.760199	1.000000
14	0.760199	1.000000
15	0.760199	1.000000
16	0.733399	0.964746
17	0.733399	1.000000
18	0.707544	0.964746
19	0.707544	1.000000
20	0.667429	0.943304
21	0.667429	1.000000
22	0.646010	0.967908
23	0.645152	0.998671
24	0.612964	0.950108
25	0.593292	0.967908
26	0.592504	0.998671
27	0.589885	0.995580
28	0.566252	0.959936
29	0.566252	1.000000
30	0.566252	1.000000
31	0.566252	1.000000
32	0.566252	1.000000
33	0.528691	0.933668
34	0.483785	0.915061
35	0.483785	1.000000
36	0.483785	1.000000
37	0.483785	1.000000
38	0.483785	1.000000
39	0.457680	0.946040
40	0.457680	1.000000
41	0.457680	1.000000
42	0.457680	1.000000
43	0.457680	1.000000
44	0.428639	0.936548
45	0.395301	0.922224

46	0.395301	1.000000
47	0.395301	1.000000
48	0.395301	1.000000
49	0.395301	1.000000
50	0.379466	0.959942
51	0.379385	0.999785
52	0.377279	0.994451
53	0.365172	0.967909
54	0.348418	0.954121
55	0.346489	0.994463
56	0.335373	0.967917
57	0.323551	0.964751
58	0.312146	0.964751
59	0.312146	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 5: 0.550 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.854316	0.954552
10	0.812329	0.950854
11	0.786421	0.968106
12	0.761339	0.968106
13	0.761339	1.000000
14	0.761339	1.000000
15	0.761339	1.000000
16	0.734726	0.965045
17	0.734726	1.000000
18	0.709044	0.965045
19	0.709044	1.000000
20	0.668843	0.943303
21	0.668843	1.000000
22	0.647512	0.968107
23	0.646674	0.998706
24	0.614804	0.950717
25	0.595196	0.968107
26	0.594426	0.998706
27	0.591916	0.995777
28	0.568368	0.960217
29	0.568368	1.000000
30	0.568368	1.000000
31	0.568368	1.000000
32	0.568368	1.000000
33	0.531182	0.934574
34	0.489112	0.920800
35	0.489112	1.000000
36	0.489112	1.000000
37	0.489112	1.000000
38	0.489112	1.000000
39	0.462720	0.946040
40	0.462720	1.000000
41	0.462720	1.000000
42	0.462720	1.000000
43	0.462720	1.000000
44	0.433505	0.936863
45	0.402548	0.928589
46	0.402548	1.000000
47	0.402548	1.000000
48	0.402548	1.000000
49	0.402548	1.000000
50	0.386534	0.960218
51	0.386454	0.999794
52	0.384403	0.994692
53	0.372143	0.968107
54	0.355230	0.954552
55	0.353345	0.994693
56	0.342076	0.968108
57	0.330119	0.965045
58	0.318580	0.965045
59	0.318580	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 6: 0.600 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000

8	0.894991	1.000000
9	0.854610	0.954881
10	0.813037	0.951355
11	0.787230	0.968258
12	0.762242	0.968258
13	0.762242	1.000000
14	0.762242	1.000000
15	0.762242	1.000000
16	0.735774	0.965276
17	0.735774	1.000000
18	0.710225	0.965276
19	0.710225	1.000000
20	0.669958	0.943303
21	0.669958	1.000000
22	0.648692	0.968259
23	0.647870	0.998733
24	0.616270	0.951224
25	0.596709	0.968259
26	0.595953	0.998733
27	0.593553	0.995972
28	0.570067	0.960432
29	0.570067	1.000000
30	0.570067	1.000000
31	0.570067	1.000000
32	0.570067	1.000000
33	0.533152	0.935245
34	0.491448	0.921778
35	0.491448	1.000000
36	0.491448	1.000000
37	0.491448	1.000000
38	0.491448	1.000000
39	0.464929	0.946040
40	0.464929	1.000000
41	0.464929	1.000000
42	0.464929	1.000000
43	0.464929	1.000000
44	0.435678	0.937085
45	0.405128	0.929880
46	0.405128	1.000000
47	0.405128	1.000000
48	0.405128	1.000000
49	0.405128	1.000000
50	0.389102	0.960440
51	0.389024	0.999801
52	0.387031	0.994877
53	0.374747	0.968260
54	0.357839	0.954882
55	0.356013	0.994897
56	0.344718	0.968273
57	0.332750	0.965283
58	0.321198	0.965282
59	0.321198	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 7: 0.650 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.854842	0.955140
10	0.813627	0.951786
11	0.787898	0.968378
12	0.762983	0.968378
13	0.762983	1.000000
14	0.762983	1.000000
15	0.762983	1.000000
16	0.736631	0.965462
17	0.736631	1.000000
18	0.711189	0.965462
19	0.711189	1.000000
20	0.670866	0.943302
21	0.670866	1.000000
22	0.649653	0.968379
23	0.648843	0.998753
24	0.617479	0.951662
25	0.597954	0.968379
26	0.597208	0.998753
27	0.594918	0.996166
28	0.571480	0.960602
29	0.571480	1.000000
30	0.571480	1.000000
31	0.571480	1.000000
32	0.571480	1.000000
33	0.534768	0.935759

34	0.491565	0.919213
35	0.491565	1.000000
36	0.491565	1.000000
37	0.491565	1.000000
38	0.491565	1.000000
39	0.465040	0.946039
40	0.465040	1.000000
41	0.465040	1.000000
42	0.465040	1.000000
43	0.465040	1.000000
44	0.435858	0.937248
45	0.404361	0.927734
46	0.404361	1.000000
47	0.404361	1.000000
48	0.404361	1.000000
49	0.404361	1.000000
50	0.388438	0.960621
51	0.388363	0.999807
52	0.386437	0.995041
53	0.374218	0.968381
54	0.357432	0.955143
55	0.355677	0.995089
56	0.344442	0.968414
57	0.332552	0.965478
58	0.321070	0.965475
59	0.321070	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 8: 0.700 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.855030	0.955350
10	0.814488	0.952584
11	0.788811	0.968475
12	0.763944	0.968475
13	0.763944	1.000000
14	0.763944	1.000000
15	0.763944	1.000000
16	0.737675	0.965615
17	0.737675	1.000000
18	0.712310	0.965615
19	0.712310	1.000000
20	0.671923	0.943302
21	0.671923	1.000000
22	0.650741	0.968476
23	0.649941	0.998770
24	0.619057	0.952482
25	0.599542	0.968476
26	0.598805	0.998770
27	0.596894	0.996809
28	0.573460	0.960740
29	0.573460	1.000000
30	0.573460	1.000000
31	0.573460	1.000000
32	0.573460	1.000000
33	0.536854	0.936166
34	0.497946	0.927527
35	0.497946	1.000000
36	0.497946	1.000000
37	0.497946	1.000000
38	0.497946	1.000000
39	0.471077	0.946039
40	0.471077	1.000000
41	0.471077	1.000000
42	0.471077	1.000000
43	0.471077	1.000000
44	0.441575	0.937374
45	0.413189	0.935716
46	0.413189	1.000000
47	0.413189	1.000000
48	0.413189	1.000000
49	0.413189	1.000000
50	0.396980	0.960772
51	0.396905	0.999811
52	0.395186	0.995668
53	0.382729	0.968480
54	0.365642	0.955355
55	0.364083	0.995734
56	0.352626	0.968534
57	0.340511	0.965642
58	0.328810	0.965637
59	0.328810	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 9: 0.750 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.855187	0.955525
10	0.814786	0.952758
11	0.789165	0.968555
12	0.764350	0.968555
13	0.764350	1.000000
14	0.764350	1.000000
15	0.764350	1.000000
16	0.738167	0.965744
17	0.738167	1.000000
18	0.712880	0.965744
19	0.712880	1.000000
20	0.672461	0.943302
21	0.672461	1.000000
22	0.651316	0.968556
23	0.650524	0.998784
24	0.619726	0.952656
25	0.600239	0.968556
26	0.599509	0.998784
27	0.597598	0.996812
28	0.574206	0.960855
29	0.574206	1.000000
30	0.574206	1.000000
31	0.574206	1.000000
32	0.574206	1.000000
33	0.537742	0.936496
34	0.499023	0.927997
35	0.499023	1.000000
36	0.499023	1.000000
37	0.499023	1.000000
38	0.499023	1.000000
39	0.472095	0.946039
40	0.472095	1.000000
41	0.472095	1.000000
42	0.472095	1.000000
43	0.472095	1.000000
44	0.442576	0.937472
45	0.414368	0.936264
46	0.414368	1.000000
47	0.414368	1.000000
48	0.414368	1.000000
49	0.414368	1.000000
50	0.398166	0.960899
51	0.398092	0.999815
52	0.396356	0.995640
53	0.383895	0.968562
54	0.366824	0.955531
55	0.365259	0.995733
56	0.353803	0.968636
57	0.341697	0.965783
58	0.330002	0.965775
59	0.330002	1.000000

Field Pos : 0.0000, 0.0000 deg
Wavelength 10: 0.800 µm

Surf	Tot. Tran	Rel. Tran
1	1.000000	1.000000
2	0.946040	0.946040
3	0.894991	0.946040
4	0.894991	1.000000
5	0.894991	1.000000
6	0.894991	1.000000
7	0.894991	1.000000
8	0.894991	1.000000
9	0.855320	0.955674
10	0.815040	0.952907
11	0.789466	0.968623
12	0.764695	0.968623
13	0.764695	1.000000
14	0.764695	1.000000
15	0.764695	1.000000
16	0.738586	0.965857
17	0.738586	1.000000
18	0.713369	0.965857
19	0.713369	1.000000
20	0.672922	0.943302
21	0.672922	1.000000

22	0.651808	0.968624
23	0.651023	0.998796
24	0.620298	0.952804
25	0.600835	0.968624
26	0.600112	0.998796
27	0.598201	0.996815
28	0.574843	0.960954
29	0.574843	1.000000
30	0.574843	1.000000
31	0.574843	1.000000
32	0.574843	1.000000
33	0.538496	0.936770
34	0.499932	0.928385
35	0.499932	1.000000
36	0.499932	1.000000
37	0.499932	1.000000
38	0.499932	1.000000
39	0.472955	0.946039
40	0.472955	1.000000
41	0.472955	1.000000
42	0.472955	1.000000
43	0.472955	1.000000
44	0.443420	0.937552
45	0.415358	0.936715
46	0.415358	1.000000
47	0.415358	1.000000
48	0.415358	1.000000
49	0.415358	1.000000
50	0.399163	0.961009
51	0.399090	0.999818
52	0.397338	0.995611
53	0.384874	0.968631
54	0.367817	0.955681
55	0.366247	0.995731
56	0.354793	0.968725
57	0.342696	0.965906
58	0.331009	0.965895
59	0.331009	1.000000