

System/Prescription Data

File : C:\Projects\dcl\offner_10.ZMX

Title: DCL Stimulus, f/9

Date : THU OCT 15 1998

LENS NOTES:

Notes...

GENERAL LENS DATA:

Surfaces : 8
Stop : 3
System Aperture : Paraxial Working F/# = 9
Ray aiming : Paraxial Reference, cache on
X Pupil shift : 0
Y Pupil shift : 0
Z Pupil shift : 0
Apodization : Uniform, factor = 0.00000E+000
Eff. Focal Len. : 67789.46 (in air)
Eff. Focal Len. : 67789.46 (in image space)
Back Focal Len. : -67789.3
Total Track : 1886.058
Image Space F/# : 4.499994
Para. Wrkng F/# : 9
Working F/# : 8.999139
Image Space N.A.: 0.111111
Obj. Space N.A. : -0.05547016
Stop Radius : -52.49436
Parax. Ima. Hgt.: 43.44475
Parax. Mag. : -1.000003
Entr. Pup. Dia. : -15064.34
Entr. Pup. Pos. : 133695.7
Exit Pupil Dia. : 15064.34
Exit Pupil Pos. : 135578.8
Field Type : Object height in Millimeters
Maximum Field : 43.44464
Primary Wave : 0.5
Lens Units : Millimeters
Angular Mag. : -1

Fields : 5

Field Type: Object height in Millimeters

#	X-Value	Y-Value	Weight
1	-30.720000	-30.720000	1.000000
2	-30.720000	30.720000	1.000000
3	0.000000	0.000000	1.000000
4	30.720000	-30.720000	1.000000
5	30.720000	30.720000	1.000000

Vignetting Factors

#	VDX	VDY	VCX	VCY
1	0.000000	0.000000	0.000000	0.000000
2	0.000000	0.000000	0.000000	0.000000

3	0.000000	0.000000	0.000000	0.000000
4	0.000000	0.000000	0.000000	0.000000
5	0.000000	0.000000	0.000000	0.000000

Wavelengths : 1

Units: Microns

#	Value	Weight
1	0.500000	1.000000

SURFACE DATA SUMMARY:

Surf	Type	Comment	Radius	Thickness
Glass	Diameter	Conic		
OBJ STANDARD			Infinity	1883.036
86.88928		0		
1 COORDBRK			-	0
-				
2 STANDARD		M1	-1876.624	-931.7726
MIRROR	681.4233	0		
STO STANDARD		M2	-938.312	931.7726
MIRROR	104.9887	0		
4 STANDARD		M3	-1876.624	0
MIRROR	681.4303	0		
5 COORDBRK			-	-1800.333
-				
6 STANDARD			Infinity	-9.525
SILICA	96.14473	0		
7 STANDARD			Infinity	-76.2
95.4169	0			
IMA STANDARD			Infinity	
86.89967	0			

SURFACE DATA DETAIL:

Surface OBJ	: STANDARD
Surface 1	: COORDBRK
Decenter X	: 0
Decenter Y	: 205
Tilt About X	: 0
Tilt About Y	: 0
Tilt About Z	: 0
Order	: Decenter then tilt
Surface 2	: STANDARD
Comment	: M1
Aperture	: Circular Aperture
Minimum Radius	: 0
Maximum Radius	: 152.4
Y- Decenter	: -203.89
Surface STO	: STANDARD
Comment	: M2
Surface 4	: STANDARD
Comment	: M3
Aperture	: Circular Aperture
Minimum Radius	: 0
Maximum Radius	: 152.4
Y- Decenter	: 203.89
Surface 5	: COORDBRK

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Decenter X      :           0
Decenter Y      :          205
Tilt About X    :           0
Tilt About Y    :           0
Tilt About Z    :           0
Order           : Decenter then tilt
Surface 6       : STANDARD
Surface 7       : STANDARD
Surface IMA     : STANDARD

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GLOBAL VERTEX COORDINATES, ORIENTATIONS, AND ROTATION/OFFSET MATRICES:

Reference Surface: 1

Surf	R11	R12	R13	X
	R21	R22	R23	Y
	R31	R32	R33	Z
0	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	0.000000
	0.000000	0.000000	1.000000	-1883.035685
1	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	0.000000
	0.000000	0.000000	1.000000	0.000000
2	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	205.000000
	0.000000	0.000000	1.000000	0.000000
3	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	205.000000
	0.000000	0.000000	1.000000	-931.772557
4	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	205.000000
	0.000000	0.000000	1.000000	0.000000
5	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	410.000000
	0.000000	0.000000	1.000000	0.000000
6	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	410.000000
	0.000000	0.000000	1.000000	-1800.332532
7	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	410.000000
	0.000000	0.000000	1.000000	-1809.857532
8	1.000000	0.000000	0.000000	0.000000
	0.000000	1.000000	0.000000	410.000000
	0.000000	0.000000	1.000000	-1886.057532