

AI Optic vs PlusoptiX

ABCD 2022

Cyclo Refraction

cyclo

Plusoptix
plusoptix a-12

v7.2.5.0

AI-optic
AI Optics

0.8.3

I.D.#	gender	age	race	Delay	SPHr	CYLr	AXISr	SPHl	CYLl	AXISl	angle	tropia	pSPHR	pCYLr	pAXISr	pSPHl	pCYLl	pAXISl	refer-p	aSPHR	aCYLr	aAXISr	aSPHl	aCYLl	aAXISl	refer-a	Age-group	
1 f	0.3 C				1.5	0		1.5	0			-5 e	0.5	0.5	71	0.25	1.25	98	pass	-1.5	0	90	-1.5	0.75	91	pass	pre	
2 m	0.4 N				4	1	95	3.5	2	85		-10 e	HYP			HYP			refer								pre	
3 f	0.5 B				-0.5	1	90	-0.5	1	90		50 X(T)	na		na				x	-3.75	2	90	-2.5	0.75	89	refer	pre	
4 m	0.5 A				-2	2	100	-0.3	0.25	96		-5 e	-3.75	4	96	0	0		refer	-6.75	1	87	-1	1.75	91	refer	pre	
5 f	0.6 C				-0.3	0.5	90	0.5	1	90		15 X(T)	0	1.25	91	1	1.75	105	pass	-2	0.75	90	0.25	1	91	refer	pre	
6 f	0.6 C				-0.5	2	100	-0.5	2	80		-5 e	0.25	2	104	0.25	2	82	pass	-1.25	0.25	90	1	0	90	refer	pre	
7 m	0.7 C				1	0.5	90	1	0.5	90		-5 e	-0.25	0.75	105	-0.5	0.75	85	pass	-1.25	0.25	90	1	0	90	refer	pre	
8 f	0.7 C				-0.8	0		-0.8	0			-5 enysta	-2	0.25	52	-2	0.25	33	pass	5	0.75	86	4.5	0.75	88	refer	pre	
9 f	0.7 H				2.5	0		3.25	0			-10 e	0	1.25	164	0.25	0.5	17	pass	-5	2.5	93	-2.5	2.5	87	pass	pre	
10 m	0.7 C				-0.5	3	90	0	2	90		-10 E(T)	-2.75	3	89	-1	1.75	80	refer	-0.5	0.5	90	1.75	0	90	x	pre	
11 f	0.8 B				-0.5	0		0	1	90		-15 E(T)	na		na				x	-0.25	0.5	90	3	0.25	90	refer	pre	
12 m	0.9 C				-2	1.5	100	-2	2.25	80		10 X(T)	-2.5	1	103	-2.25	1.5	77	pass	-3	2.75	94	-3	2	93	refer	pre	
13 f	1.1 C				1	1	95	1	1	85		-5 e	-1	1	112	-1	1	76	pass	1.75	0.25	90	4	0.25	92	refer	pre	
14 f	1.1 C				1.5	0		1.5	0			-5 e	0.75	0.5	7	1	0.25	128	pass							refer	pre	
15 f	1.4 C				-0.5	0.5	180	-0.5	0.5	180		0	-0.5	0.75	177	-0.5	1	169	pass	2	0.5	90	2.75	0.75	90	refer	pre	
16 f	1.5 C				1.5	0		1.5	0			10 x	-0.25	0.5	82	-0.25	0.5	119	pass							x	pre	
17 f	1.5 H				-2	1	80	-0.5	1	100		-5 e	-2	1	78	-0.75	1.25	104	refer	2.75	0.75	27	4	0.25	90	refer	pre	
18 m	1.5 C				0.5	0.5	180	0.5	0.5	180		30 X(T)	0.5	0.25	179	0.5	0.5	7	pass	-0.25	1	87	1.5	0.25	90	refer	pre	
19 m	1.6 A				-0.5	1.5	90	-0.5	2.5	90		5 x	-0.5	0.75	89	0	1.25	112	pass	-6.25	2	90	-4.75	1.5	90	refer	pre	
20 f	1.6 C				-2	2.5	180	-1.8	2	180		5 x	-1	2.75	6	-1.5	4	177	refer	-1.75	0.75	90	0.25	0.25	90	refer	pre	
21 f	1.7 C				0.5	0.5	90	0.5	0.5	90		5 x	0	0.75	97	0.25	0.25	41	pass	-1.25	0.75	93	0.75	0.5	90	refer	pre	
22 m	1.8 C				1.5	0		1.5	0			0	-0.25	0.75	112	-0.25	0.75	73	pass	0.75	0	90	0.75	0.25	90	pass	pre	
23 m	1.9 C				5.5	0.75	90	6	0.75	90		-5 e	0	0.75	96	1.25	0.25	92	pass	0.25	0.25	90	-3.25	0.75	92	refer	pre	
24 m	2.0 C				1.5	0		1.5	0			5 x	0.25	0.25	155	0.25	0.25	99	pass	0	0.25	90	-0.5	0.75	91	pass	pre	
25 f	2.0 A				0.5	1.75	90	0.25	2	90		5 x	0	2	77	0.25	3.75	117	refer	-1.5	1.75	90	0.5	0	90	pass	pre	
26 f	2.1 H				-0.5	0.75	90	-0.5	0.75	90		15 X(T)	0.25	0.25	148	0	0.25	90	pass	0.5	0	90	1.25	0	90	pass	pre	
27 f	2.1 C				1.5	0.5	90	2	1	90		-15 E(T)	-0.25	0.5	79	0.25	1	94	refer	-1	0.25	90	2.75	0.5	90	refer	pre	
28 m	2.1 C				2	0		2	0			5 x	1.25	0.25	84	1.25	0.25	81	pass	2	0.25	90	2.25	0	90	refer	pre	
29 m	2.2 H				-0.5	0.5	180	-0.5	0.75	180		5 x	0.5	0.75	13	0.25	1.5	180	pass	-1.5	0.25	90	0.5	0.25	90	refer	pre	
30 f	2.2 C				-0.5	0.75	90	-0.5	0.75	90		-25 E(T)	na		na				x	-4	0.75	86	-3.5	0.25	90	x	pre	
31 m	2.3 C				5.5	0		3.5	0			-5 e	0	3.5	0	0	0.25	114	refer	0	0.25	90	1	0.5	90	refer	pre	
32 m	2.3 H				-0.5	3	90	-0.5	3	90		5 e	na		na				x	3.25	0.25	90	2.25	0	90	refer	pre	
33 m	2.3 C				1.25	0.5	90	1.25	0.25	90		-5 e	-0.25	0.25	34	0	0		pass	0	0.25	90	2.75	1	180	refer	pre	
34 m	2.5 C				6	1.5	90	6	1.5	90		-15 E(T)	na		na				x	0.25	0	90	2.5	0	90	refer	pre	
35 f	2.5 C				0	0		0	0			-5 e	0	0.5	105	0	1	98	pass	-1.25	0.25	90	1.5	0.5	90	refer	pre	
36 f	2.6 N				-0.8	0.5	180	-0.8	0.5	180		-30 E(T)	na		na				x	0.25	0	90	2.75	0	90	refer	pre	
37 f	2.6 N				2.5	0		2.5	0			-10 e	0	0.75	104	0	1.25	84	pass							x	pre	
38 m	2.8 H				-1	1.5	90	-1	1.5	90		5 x	-1.5	3.75	93	-1	2.5	92	refer	-1.75	2	90	-1	0.5	90	refer	pre	
39 f	2.8 C				2.25	0		2.25	0			-5 e	0.75	0.5	96	0.5	0.25	79	pass	0.25	0.25	90	2	0.25	90	refer	pre	
40 m	2.8 A				1	0.5	110	2	0.5	70		-5 e	0.25	0.25	134	1.75	0.5	39	refer	-2.5	1	90	0.75	0.25	90	refer	pre	
41 f	2.8 H				-0.5	2	90	-0.5	2	90		5 x	0.25	3.75	92	1.25	3.25	90	refer	2	0.75	90	2	0.5	90	refer	pre	
42 f	3.1 H				-0.8	0.5	180	-0.5	0.5	180		-5 e	0.25	0.25	9	0.25	0.25	18	pass	-1.25	1.5	90	2	0.25	90	refer	pre	
43 f	3.1 A				-1	2	5	-1	2	180		5 x	1	1.5	16	1	1.75	161	pass								pass	pre
44 m	3.1 C				4	0.25	90	4	0.25	90		-10 E(T)	-0.75	0.75	116	HYP			refer	0.5	0.25	90	3.25	0.75	90	refer	pre	
45 m	3.1 N				-1	2.5	90	-1	2.5	90		5 x	-0.25	2.5	96	-0.25	3.75	85	refer	2	0.5	90	2.5	0.5	90	refer	pre	
46 f	3.2 C				-0.3	1.5	95	-0.5	1.5	85		5 x	0.75	2	87	0.5	2	89	pass	0.25	0.25	90	1	0.25	90	refer	pre	
47 f	3.2 C				-0.3	0.75	180	-0.3	0.5	180		5 x	0.5	0.75	111	0.25	0.75	53	pass	0.25	0.25	90	1.25	0.5	90	refer	pre	
48 m	3.2 C				2	0		-0.5	0			10 X(T)	na		na				x	-2	1.25	86	-0.75	1	163	x	pre	
49 m	3.4 C				-0.5	0.5	180	-0.5	0.5	180		0	-0.25	0.25	78	0	0.5	81	pass							refer	pre	
50 m	3.5 C				1.75	0.5	100	1.75	0.25	80		-15 E(T)	0	0.75	117	0	1	87	pass	0.5	0.25	90	1.75	0.25	90	refer	pre	
51 m	3.6 C				0	0.5	180	0	0.5	180		-5 e	-0.75	0.75	119	-1	0.25	111	pass	0.25	0.5	90	0	0.5	90	pass	pre	
52 f	3.6 C				0.5	0.5	90	0.5	0.5	90		-5 e	0.25	0.25	84	0	0.25	77	pass	-1.25	1.75	90	0.25	1.25	90	refer	pre	
53 m	4.1 C				0.25	1	8	0.25	1.5	172		5 x	HYP			HYP			refer	-1.25	0.5	90	-0.25	0.5	90	pass	school	
54 f																												

100 m	7.2 B	Y	-1.8	3.75	97	-2.5	2	98	5 x	0	3	84	0	2.25	77	refer	-1.5	2	90	-0.5	1.25	90	refer	school	
101 m	7.2 C	Y	-4.8	5.75	90	-5	5.75	78	5 x	-2.25	4.5	96	-2.5	4.5	75	refer	-3.75	2.75	108	-4	3.25	90	refer	school	
102 m	7.4 PI		-0.8	1	96	-0.3	0.75	103	5 x	-0.5	2.5	93	0.5	2.25	92	refer	-2.75	1.5	90	-2.75	1.75	90	refer	school	
103 m	7.5 B		0.25	0.5	86	2.75	0.75	82	-5 e	1.25	1.75	83	HYP			refer	-0.5	0.25	90	4	0.5	90	refer	school	
104 f	7.5 B		-5.8	1.75	86	-4.5	1.25	93	0	MYO			-6.5	2.75	91	refer	2.25	0.5	90	3.5	0.75	151	refer	school	
105 m	7.6 A		-1	0		-0.8	0		0	-2	0.5	16	-1	0.5	171	refer	-1.25	0.25	90	-1.25	0.25	90	pass	school	
106 f	7.7 N		-2.5	0.25	97	-1.8	0		5 x	-5.25	2.25	92	-3.75	1.5	86	refer	-2.5	0.5	90	-3	1.25	90	refer	school	
107 f	7.8 C	Y	0.25	0		0.25	0		5 x	1	0.75	97	0.5	0.25	71	pass	-3	2.5	91	-3.5	3	93	refer	school	
108 f	7.9 C		-2.5	0		-1.3	0.25	74	5 x	-3	0.5	80	-2.25	0.25	104	refer	0.25	0	90	-0.25	1	130	pass	school	
109 f	8.0 H		-2.5	3	81	-2	3.25	96	5 x	-3.75	4.25	80	-2.75	3.75	90	refer	-1.5	2.25	108	-1	2	31	refer	school	
110 m	8.0 C		0.25	0.25	15	-0.3	0.5	163	5 x	-0.5	0.25	10	-0.75	0.25	18	pass	-1.5	0.25	90	-1.25	0.25	90	pass	school	
111 f	8.0 C		-14	2.5	101	-1	2.75	91	5 x	MYO			-0.5	2.5	73	refer	-6.75	1.5	90	-0.25	1.25	90	refer	school	
112 f	8.0 B		1.25	1.25	97	0.5	1	94	-3 e	0.5	1.25	92	-0.5	1	95	refer		0.5	0	90	1	0.25	90	pass	school
113 m	8.0 B		-0.5	0.25	21	-0.3	0.25	150	0	0.5	0.25	13	0	0.25	21	pass	2.25	0.75	90	4	1	127	refer	school	
114 m	8.2 C		1.5	1.25	99	1.5	2.25	101	5 x	2.25	1.75	94	1	0		refer	1	0.25	90	3	0.25	90	refer	school	
115 m	8.2 C	Y	3	0		3	0		-5 e	0.5	0.75	12	0.5	1.25	75	pass	-0.25	0	90	0.5	0.5	90	refer	school	
116 f	8.4 PI		-1	1	82	0	1	83	5 x	-0.25	1.25	93	0	1.25	93	pass	-1.75	0.75	93	2.5	0.25	90	refer	school	
117 m	8.5 C		7.75	1.75	84	8	2	90	-5 e	HYP			HYP			refer	2.25	0.25	90	0.75	1.25	90	refer	school	
118 f	8.6 C	Y	0.5	1.5	98	-0.3	1	96	5 x	1	1.25	89	0.5	0.25	86	pass	3.25	0.5	90	0.75	0.25	90	refer	school	
119 f	8.6 C		0.75	0.25	80	0.5	0.75	90	5 x	-0.25	0.75	86	0	0.25	94	pass	1.5	0.5	90	3.25	1	94	refer	school	
120 m	8.6 H		-3	0.25	88	-3.3	0.5	98	5 x	-4.5	0.5	81	-5.5	1.5	100	refer	-2.75	0.5	90	-2.5	0.25	90	refer	school	
121 f	8.7 C		1	0.25	180	-0.3	0.25	160	-15 E(T)	0.5	1	177	0.75	0.25	148	pass	1.5	0	90	4.5	0.75	90	refer	school	
122 m	8.9 C	Y	-0.8	0.75	96	-1.3	1	84	5 x	-0.5	1	100	-0.25	1	85	pass	-5.75	1.25	90	-4.25	1	90	refer	school	
123 m	8.9 C		-3.3	0		-3.8	0		5 x	-5.75	0.5	101	-5.5	0.5	89	refer	-3.25	2.75	90	-1.75	2	90	refer	school	
124 m	8.9 H		0.75	3.75	96	0.25	3.75	92	5 x	HYP			HYP			refer	0	0.25	90	-0.25	1	90	pass	school	
125 m	9.0 PI	Y	-1	1.25	103	-0.8	1	86	5 x	0	1.75	111	-0.25	2	83	refer	0	0.25	90	0.5	0.5	90	refer	school	
126 m	9.0 A	Y	-3.3	0.75	88	-3	0.5	84	25 XT	na			na			refer	-5	1.5	90	-5	1	92	refer	school	
127 m	9.1 H	Y	-0.3	0.5	90	1.75	0.75	86	-5 e	-0.5	2.25	107	1	2.5	87	refer	-1	0.25	90	-0.5	0.25	90	pass	school	
128 m	9.1 C		0.75	0.5	105	1.25	0.25	75	-5 e	0.5	0		0.25	0.5	74	pass	-4	1.75	90	1	0	90	refer	school	
129 m	9.1 C	Y	-5.5	0.25	97	0.5	0		5 x	na			na			refer	-1.25	0.5	90	0	0.75	108	refer	school	
130 m	9.2 C		0	0.75	95	-0.3	0.5	90	5 x	-0.5	0.75	93	-0.5	1.25	86	pass	0.25	0	90	1	0.25	90	pass	school	
131 f	9.2 N	Y	0.75	0.25	95	1.75	0		20 VX(XT)	0.25	0.5	84	1	0.75	111	pass	-4.5	0.5	90	-3	0.5	90	refer	school	
132 f	9.3 PI		0	0		-0.5	0.25	77	0	0.75	1	90	1	4	91	refer	-0.5	0.75	90	0.75	0.75	90	pass	school	
133 m	9.5 PI		1	0.75	96	0.25	0.5	180	-5 e	2	2	39	2	0.75	39	refer	-0.5	0.75	90	0.75	0.75	90	pass	school	
134 m	9.6 H		2	0.75	95	3	2	100	-5 e	4.5	4.25	77	HYP			refer	-4	1.25	90	-3.75	0.75	90	refer	school	
135 f	9.6 C	Y	2.5	1	90	2.5	1	90	-5 e	HYP			2.25	1.25	100	refer	-9.25	2	89	-8.75	1.5	127	pass	school	
136 f	9.6 C		4	0		3.75	0		-25 E(T)	-0.25	1	77	-0.25	0.75	114	pass	0.25	0.25	90	0.75	0.25	90	pass	school	
137 m	9.7 PI	Y	1.5	1	90	1.5	1	90	-5 e	0.5	2	160	2.25	0.75	168	refer	-2	0.75	90	-4.5	2.75	159	refer	school	
138 m	9.7 C	Y	-2.5	1.75	101	-2.3	1.75	84	5 x	-2.75	1.5	107	-3	2.75	90	pass	0.5	0.25	90	1.25	0	90	pass	school	
139 f	9.9 C	Y	1.5	0.25	97	1.5	0.25	90	10 x	0.25	0.5	112	0.75	0.5	81	pass	-5.25	2.5	92	-4.25	2	16	pass	school	
140 f	10.0 C		-1	1.75	96	-2	1.75	94	5 x	-0.5	2	92	-0.5	1.75	90	refer	-0.75	1	90	0.75	0.75	90	refer	school	
141 f	10.0 C		-3.8	2.75	92	-3.8	2.75	94	5 x	-4.25	3.75	90	-3.25	2.75	89	refer	0	0	90	1	0.25	90	refer	school	
142 m	10.1 C	Y	-2.3	3.25	88	-3	4.5	92	5 x	-2.75	2.5	90	-2	2.75	105	refer	0.25	0	90	1	0.25	90	pass	school	
143 m	10.1 B		-1.3	3.75	108	-0.8	3.5	87	5 x	na			na			x	-1	0	90	1	0.25	90	pass	school	
144 m	10.2 PI		-0.8	0.5	73	-1	0.75	120	5 x	0	1.5	98	0	1.25	91	refer	-1	0	90	1	0.25	90	pass	school	
145 m	10.2 PI	Y	-0.8	1.5	102	-1.5	1.25	83	5 x	0.25	1.25	101	0.5	1.5	88	refer	0	0.5	90	0.75	0.75	90	pass	school	
146 f	10.3 A		4.75	1.5	92	4.25	1.25	88	-15 E(T)	HYP			HYP			refer	-1.25	0.25	90	0	0.25	90	refer	school	
147 m	10.6 C	Y	-0.3	0.25	28	0	0		5 x	0	0.25	57	-0.25	0.25	130	pass	-1.25	0.5	90	0.25	0.75	91	refer	school	
148 m	10.7 PI		-1	2.75	92	1.5	0		0	na			na			x	-1.75	0.5	90	0.25	0.5	90	pass	school	
149 m	10.8 PI		-2	1.75	96	0	0.75	82	0	na			na			x	-2	1.5	86	-1.75	2	91	pass	school	
150 m	10.8 B	Y	-7.8	2.5	86	-7	1	75	10 x	MYO			MYO			refer	0.25	0.5	90	1	0.75	90	refer	school	
151 m	10.8 C		-5.8	4	91	-5.3	4	82	0	nystag			na			x	-2.75	2.75	90	-1.75	2.25	91	refer	school	
152 f	10.8 N		0.75	0.5	90	1	0		-5 e	-0.25	0.25	98	-0.25	0.5	70	pass	0.75	0.25	90	2	0.5	90	refer	school	
153 m	10.9 C		4.5	4	98	5	3.25	82	25 X(T)	0.25	3	103	0.75	3.25	73	refer	4.5	0.5	90	3.5	0	90	refer	school	
154 f	10.9 C		3	1.5	81	3.75	0.5	92	-5 e	1.75	2.5	76	1	3	108	refer	0.75	0	90	-0.5	0.75	91	pass	school	
155 f	11.0 C		0.25	0.5	90	0	0.25	91	0	-1	0.75	87	-0.5	0.25	95	pass	1	0	90	2.25	0	90	refer	school	
156 f	11.5 C		0.25	1	91	1.5	1	84	-5 e	0.5	0.75	96	2.5	1.5	83	refer	0	0.25	90	0	1	90	pass	school	
157 m	11.5 N		-0.3	0.75	90	-2	1.5	95	10 XT	-0.25	1	86	-0.75	1.5	93	refer	-3	1.75	90	-4	1.75	163	refer	school	
158 m	11.7 C		-3.3	2.25	100	-4	2.5	87	5 x	-3	2.5	93	-3.75	2.25	80	refer	1.5	0	90	0.75	0.25	90	pass	school	
159 m	12.0 C		3.5	0.5	95	4	0.25	78	-10 e	HYP			HYP			refer	-1.5	1.75	90	0.25	0.75	90	refer	school	
160 m	12.1 C	Y	-0.5	0.25	91	2	0		-5 e	-0.25	0.25	84	2	1	111	refer	-1.75	0.25	90	0	0.5	90	refer	school	
161 f	12.1 H		0	0.75	92	0	0.5	87	5 x	0.5	0.75	90	0.75	0.75	84	pass	-1.75	0.25	90	0	0.5	90	refer	school	
162 m	12.2 N	Y	0.25	0.5	88	0.25	1.5	108	-5 e	HYP			1.5	1.5	109	refer	2.25	0.5	90	2.5	1	90	refer	school	
163 f	12.2 N		0.5	2.25	94	2.25	1	107	-25 E(T)	na			na			x	-1.5	1.5	90	0.5	1.25	147	refer	school	
164 f	12.6 C	Y	-1.3	2.5	91	-1	2	91	5 x	-0.5	2.25	75	-1	3.5	91	refer	0.5	1	90	3.5	1	90	refer	school	
165 f	12.7 C	Y	1.5	2.5	76	4	4	101	10 XT	na			na			x	0.5	1	90	3.5	1	90	refer	school	
166 m	13.1 H	Y	-5	0.75	90	-5	1.25	89	5 x	MYO			MYO			refer									