

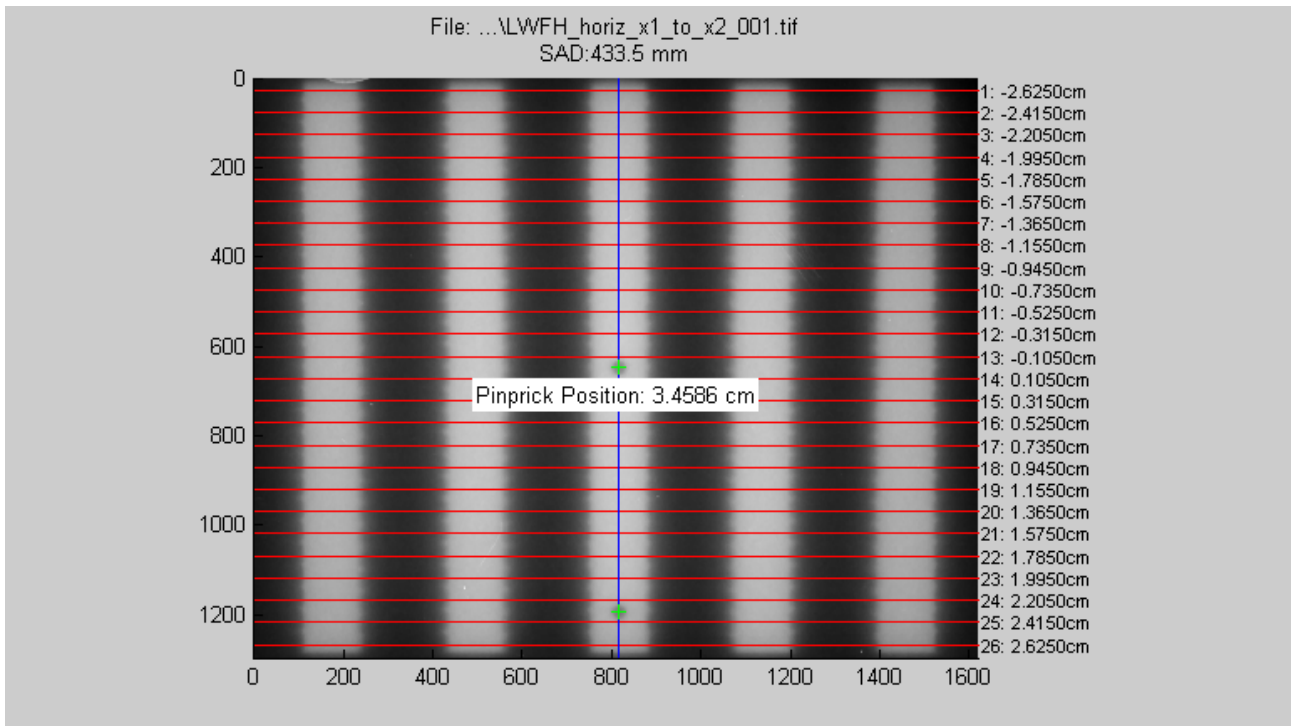
CyberKnife MLC Report

Image Information	
File:	C:\RIT\RIT113V4\Demo Images\Cyberknife\MLC\LWFH_horiz_x1_to_x2_001.tif
SAD (mm):	433.5
Overall Pass-Fail:	PASS

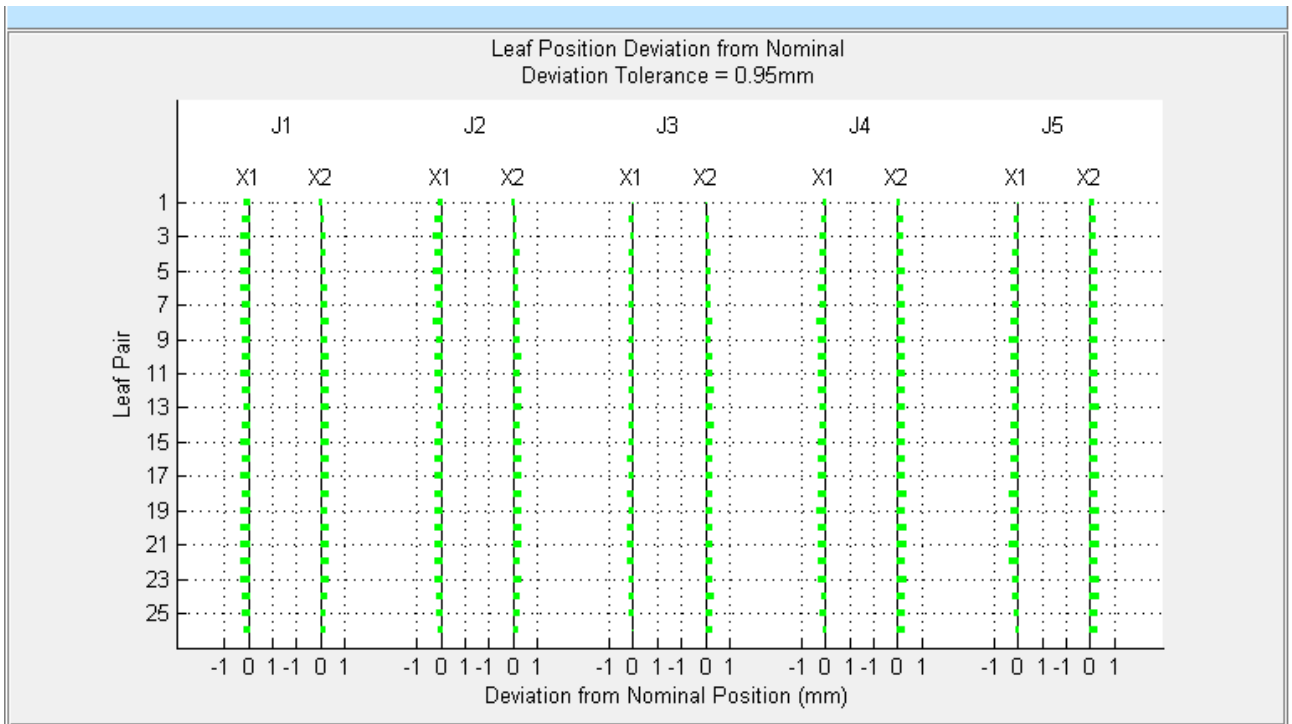
Overall Pass-Fail

Criteria	Criteria Requirement (%)	Results	Pass-Fail
Overall Pass/Fail			PASS
Leaf Deviation	100.0%	100.00%	PASS
Gap Width Deviation	100.0%	100.00%	PASS

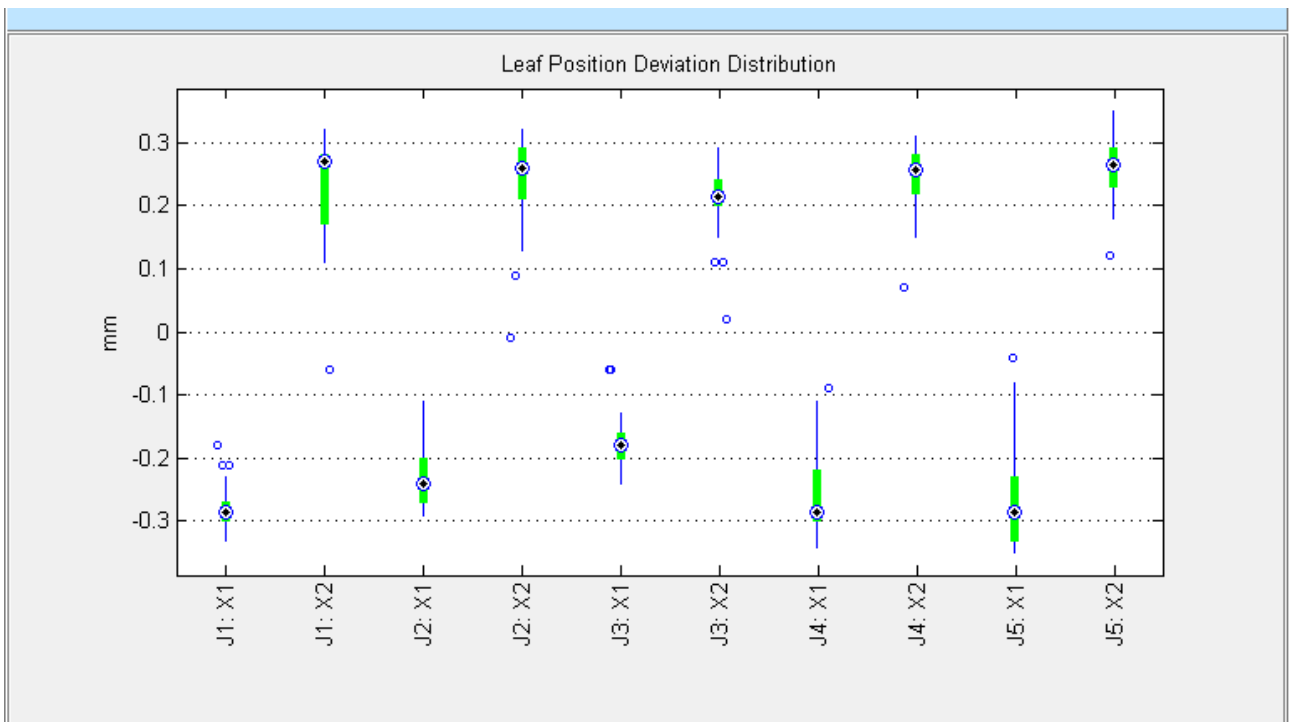
Aligned Image



Leaf Position Deviation



Leaf Position Deviation Distribution



Leaf Position w.r.t Isocenter (mm)

	J1: X1	J1: X2	J2: X1	J2: X2	J3: X1	J3: X2	J4: X1	J4: X2	J5: X1	J5: X2
Leaf Pair: 1	-29.99	-24.45	-16.37	-10.85	-2.77	2.73	10.75	16.33	24.35	29.93
Leaf Pair: 2	-30.07	-24.28	-16.49	-10.75	-2.85	2.82	10.66	16.42	24.23	29.99
Leaf Pair: 3	-30.11	-24.23	-16.55	-10.71	-2.84	2.82	10.61	16.42	24.22	29.99
Leaf Pair: 4	-30.11	-24.23	-16.51	-10.62	-2.89	2.88	10.60	16.44	24.16	30.03
Leaf Pair: 5	-30.14	-24.22	-16.55	-10.66	-2.91	2.89	10.60	16.50	24.12	30.06
Leaf Pair: 6	-30.11	-24.19	-16.51	-10.68	-2.90	2.86	10.54	16.41	24.09	30.03
Leaf Pair: 7	-30.09	-24.16	-16.44	-10.59	-2.86	2.91	10.62	16.48	24.14	30.07
Leaf Pair: 8	-30.13	-24.12	-16.55	-10.59	-2.91	2.93	10.50	16.52	24.12	30.04
Leaf Pair: 9	-30.08	-24.15	-16.47	-10.63	-2.91	2.91	10.56	16.48	24.04	30.07
Leaf Pair: 10	-30.09	-24.12	-16.52	-10.57	-2.89	2.94	10.55	16.53	24.06	30.06
Leaf Pair: 11	-30.11	-24.12	-16.53	-10.58	-2.91	2.92	10.55	16.49	24.08	30.04
Leaf Pair: 12	-30.09	-24.08	-16.48	-10.55	-2.90	3.00	10.53	16.52	24.08	30.08
Leaf Pair: 13	-30.02	-24.10	-16.40	-10.55	-2.85	2.94	10.63	16.54	24.13	30.12
Leaf Pair: 14	-30.04	-24.07	-16.45	-10.58	-2.88	3.00	10.62	16.53	24.12	30.06
Leaf Pair: 15	-30.12	-24.11	-16.51	-10.56	-2.88	2.94	10.54	16.51	24.09	30.09
Leaf Pair: 16	-30.09	-24.12	-16.54	-10.54	-2.93	2.95	10.53	16.50	24.06	30.08
Leaf Pair: 17	-30.10	-24.11	-16.49	-10.56	-2.91	2.92	10.53	16.54	24.06	30.11
Leaf Pair: 18	-30.08	-24.09	-16.50	-10.54	-2.92	2.92	10.54	16.56	24.04	30.09
Leaf Pair: 19	-30.14	-24.14	-16.52	-10.52	-2.87	2.95	10.50	16.53	24.06	30.10
Leaf Pair: 20	-30.10	-24.11	-16.53	-10.55	-2.92	2.92	10.55	16.55	24.08	30.13
Leaf Pair: 21	-30.13	-24.11	-16.53	-10.54	-2.93	2.98	10.57	16.55	24.04	30.16
Leaf Pair: 22	-30.12	-24.09	-16.50	-10.61	-2.95	2.96	10.53	16.53	24.04	30.09
Leaf Pair: 23	-30.10	-24.09	-16.50	-10.54	-2.88	2.98	10.55	16.57	24.16	30.10
Leaf Pair: 24	-30.08	-24.16	-16.46	-10.58	-2.88	2.99	10.64	16.54	24.19	30.12
Leaf Pair: 25	-30.06	-24.22	-16.44	-10.62	-2.87	2.93	10.63	16.49	24.21	30.09
Leaf Pair: 26	-30.02	-24.23	-16.38	-10.67	-2.77	2.92	10.73	16.48	24.31	30.04

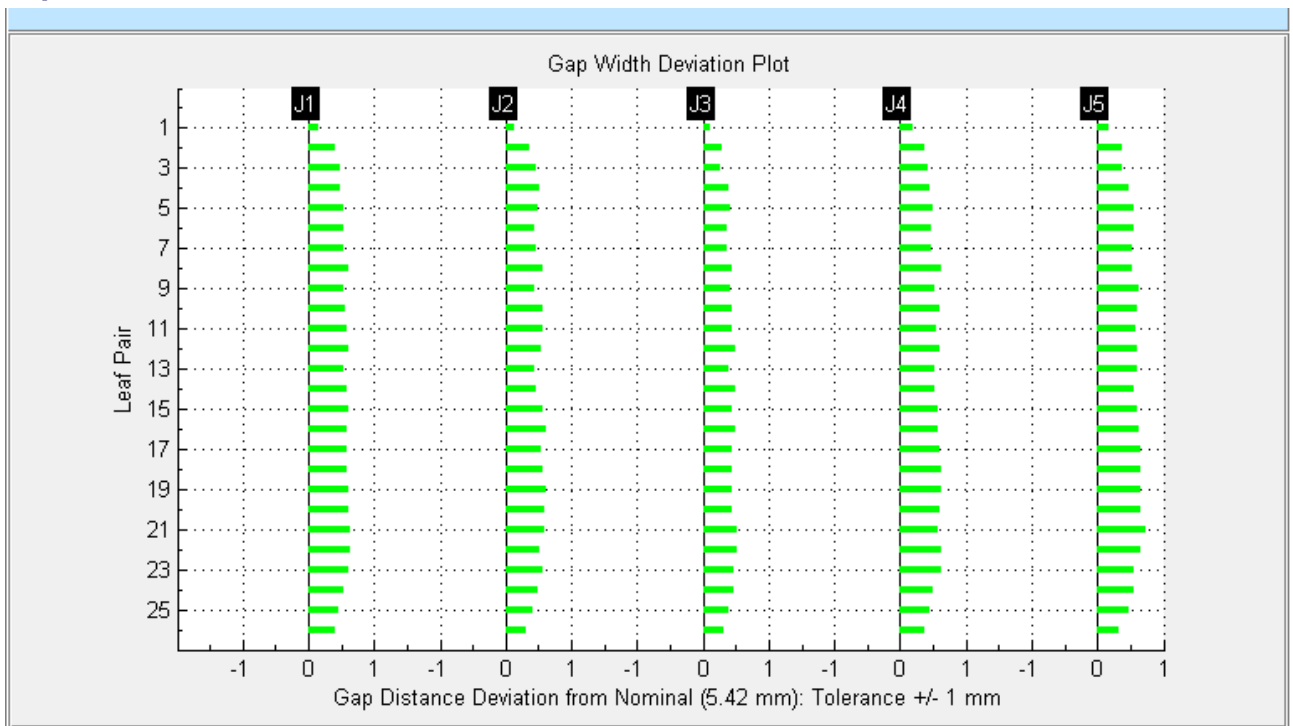
Leaf Position Deviation from Nominal (mm)

	J1: X1	J1: X2	J2: X1	J2: X2	J3: X1	J3: X2	J4: X1	J4: X2	J5: X1	J5: X2
Leaf Pair: 1	-0.18	-0.06	-0.11	-0.01	-0.06	0.02	-0.09	0.07	-0.04	0.12
Leaf Pair: 2	-0.26	0.11	-0.23	0.09	-0.14	0.11	-0.18	0.16	-0.16	0.18
Leaf Pair: 3	-0.30	0.16	-0.29	0.13	-0.13	0.11	-0.23	0.16	-0.17	0.18
Leaf Pair: 4	-0.30	0.16	-0.25	0.22	-0.18	0.17	-0.24	0.18	-0.23	0.22
Leaf Pair: 5	-0.33	0.17	-0.29	0.18	-0.20	0.18	-0.24	0.24	-0.27	0.25
Leaf Pair: 6	-0.30	0.20	-0.25	0.16	-0.19	0.15	-0.30	0.15	-0.30	0.22
Leaf Pair: 7	-0.28	0.23	-0.18	0.25	-0.15	0.20	-0.22	0.22	-0.25	0.26
Leaf Pair: 8	-0.32	0.27	-0.29	0.25	-0.20	0.22	-0.34	0.26	-0.27	0.23
Leaf Pair: 9	-0.27	0.24	-0.21	0.21	-0.20	0.20	-0.28	0.22	-0.35	0.26
Leaf Pair: 10	-0.28	0.27	-0.26	0.27	-0.18	0.23	-0.29	0.27	-0.33	0.25
Leaf Pair: 11	-0.30	0.27	-0.27	0.26	-0.20	0.21	-0.29	0.23	-0.31	0.23
Leaf Pair: 12	-0.28	0.31	-0.22	0.29	-0.19	0.29	-0.31	0.26	-0.31	0.27
Leaf Pair: 13	-0.21	0.29	-0.14	0.29	-0.14	0.23	-0.21	0.28	-0.26	0.31
Leaf Pair: 14	-0.23	0.32	-0.19	0.26	-0.17	0.29	-0.22	0.27	-0.27	0.25
Leaf Pair: 15	-0.31	0.28	-0.25	0.28	-0.17	0.23	-0.30	0.25	-0.30	0.28
Leaf Pair: 16	-0.28	0.27	-0.28	0.30	-0.22	0.24	-0.31	0.24	-0.33	0.27
Leaf Pair: 17	-0.29	0.28	-0.23	0.28	-0.20	0.21	-0.31	0.28	-0.33	0.30
Leaf Pair: 18	-0.27	0.30	-0.24	0.30	-0.21	0.21	-0.30	0.30	-0.35	0.28
Leaf Pair: 19	-0.33	0.25	-0.26	0.32	-0.16	0.24	-0.34	0.27	-0.33	0.29
Leaf Pair: 20	-0.29	0.28	-0.27	0.29	-0.21	0.21	-0.29	0.29	-0.31	0.32
Leaf Pair: 21	-0.32	0.28	-0.27	0.30	-0.22	0.27	-0.27	0.29	-0.35	0.35
Leaf Pair: 22	-0.31	0.30	-0.24	0.23	-0.24	0.25	-0.31	0.27	-0.35	0.28
Leaf Pair: 23	-0.29	0.30	-0.24	0.30	-0.17	0.27	-0.29	0.31	-0.23	0.29
Leaf Pair: 24	-0.27	0.23	-0.20	0.26	-0.17	0.28	-0.20	0.28	-0.20	0.31
Leaf Pair: 25	-0.25	0.17	-0.18	0.22	-0.16	0.22	-0.21	0.23	-0.18	0.28
Leaf Pair: 26	-0.21	0.16	-0.12	0.17	-0.06	0.21	-0.11	0.22	-0.08	0.23

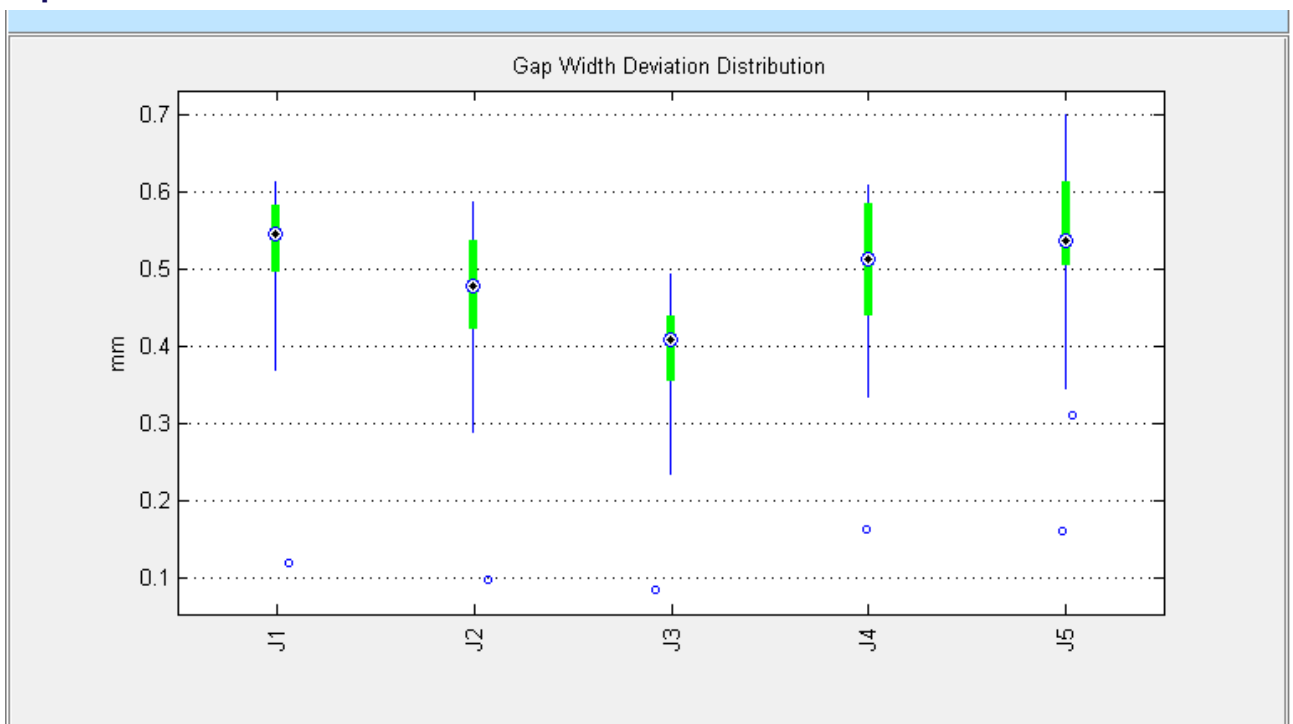
Leaf Position Deviation Statistics

	Mean (mm)	Std. Dev. (mm)	Maximum (mm)	Minimum (mm)	Abs. Max. Leaf
All Leaves	-0.00	0.25	0.35	-0.35	3
All X1	-0.24	0.07	-0.04	-0.35	3
All X2	0.23	0.07	0.35	-0.06	12
J1: X1	-0.28	0.04	-0.18	-0.33	5
J1: X2	0.23	0.08	0.32	-0.06	14
J2: X1	-0.23	0.05	-0.11	-0.29	3
J2: X2	0.23	0.08	0.32	-0.01	19
J3: X1	-0.17	0.04	-0.06	-0.24	22
J3: X2	0.21	0.06	0.29	0.02	12
J4: X1	-0.26	0.06	-0.09	-0.34	8
J4: X2	0.24	0.06	0.31	0.07	23
J5: X1	-0.26	0.08	-0.04	-0.35	9
J5: X2	0.26	0.05	0.35	0.12	21

Gap Width Deviation from Nominal



Gap Deviation Distribution



Leaf Gap (mm)

	J1	J2	J3	J4	J5
Leaf Pair: 1	5.54	5.52	5.50	5.58	5.58
Leaf Pair: 2	5.79	5.74	5.67	5.76	5.76
Leaf Pair: 3	5.88	5.85	5.65	5.81	5.78
Leaf Pair: 4	5.88	5.90	5.78	5.84	5.87
Leaf Pair: 5	5.92	5.89	5.80	5.90	5.94
Leaf Pair: 6	5.92	5.83	5.76	5.87	5.94
Leaf Pair: 7	5.93	5.85	5.77	5.86	5.93
Leaf Pair: 8	6.01	5.96	5.83	6.02	5.92
Leaf Pair: 9	5.93	5.84	5.82	5.92	6.03
Leaf Pair: 10	5.96	5.95	5.83	5.99	5.99
Leaf Pair: 11	5.99	5.96	5.84	5.95	5.97
Leaf Pair: 12	6.02	5.93	5.89	5.98	6.00
Leaf Pair: 13	5.93	5.84	5.79	5.91	5.99
Leaf Pair: 14	5.97	5.86	5.88	5.91	5.94
Leaf Pair: 15	6.01	5.95	5.82	5.97	6.00
Leaf Pair: 16	5.97	6.01	5.88	5.97	6.02
Leaf Pair: 17	5.99	5.93	5.83	6.01	6.05
Leaf Pair: 18	5.99	5.95	5.84	6.02	6.05
Leaf Pair: 19	6.00	6.00	5.83	6.03	6.04
Leaf Pair: 20	5.99	5.98	5.84	6.00	6.05
Leaf Pair: 21	6.02	5.99	5.90	5.98	6.12
Leaf Pair: 22	6.03	5.90	5.91	6.01	6.05
Leaf Pair: 23	6.01	5.96	5.86	6.02	5.94
Leaf Pair: 24	5.92	5.88	5.87	5.90	5.94
Leaf Pair: 25	5.84	5.82	5.79	5.85	5.87
Leaf Pair: 26	5.79	5.71	5.70	5.75	5.73

Gap Width Deviation from Nominal (mm)

	J1	J2	J3	J4	J5
Leaf Pair: 1	0.12	0.10	0.08	0.16	0.16
Leaf Pair: 2	0.37	0.32	0.25	0.34	0.34
Leaf Pair: 3	0.46	0.43	0.23	0.39	0.36
Leaf Pair: 4	0.46	0.48	0.36	0.42	0.45
Leaf Pair: 5	0.50	0.47	0.38	0.48	0.52
Leaf Pair: 6	0.50	0.41	0.34	0.45	0.52
Leaf Pair: 7	0.51	0.43	0.35	0.44	0.51
Leaf Pair: 8	0.59	0.54	0.41	0.60	0.50
Leaf Pair: 9	0.51	0.42	0.40	0.50	0.61
Leaf Pair: 10	0.54	0.53	0.41	0.57	0.57
Leaf Pair: 11	0.57	0.54	0.42	0.53	0.55
Leaf Pair: 12	0.60	0.51	0.47	0.56	0.58
Leaf Pair: 13	0.51	0.42	0.37	0.49	0.57
Leaf Pair: 14	0.55	0.44	0.46	0.49	0.52
Leaf Pair: 15	0.59	0.53	0.40	0.55	0.58
Leaf Pair: 16	0.55	0.59	0.46	0.55	0.60
Leaf Pair: 17	0.57	0.51	0.41	0.59	0.63
Leaf Pair: 18	0.57	0.53	0.42	0.60	0.63
Leaf Pair: 19	0.58	0.58	0.41	0.61	0.62
Leaf Pair: 20	0.57	0.56	0.42	0.58	0.63
Leaf Pair: 21	0.60	0.57	0.48	0.56	0.70
Leaf Pair: 22	0.61	0.48	0.49	0.59	0.63
Leaf Pair: 23	0.59	0.54	0.44	0.60	0.52
Leaf Pair: 24	0.50	0.46	0.45	0.48	0.52
Leaf Pair: 25	0.42	0.40	0.37	0.43	0.45
Leaf Pair: 26	0.37	0.29	0.28	0.33	0.31

Gap Width Deviation Statistics

	Mean (mm)	Std. Dev. (mm)	Maximum (mm)	Minimum (mm)	Abs. Max. Leaf
All Leaves	0.48	0.12	0.70	0.08	22
J1:	0.51	0.10	0.61	0.12	22
J2:	0.46	0.11	0.59	0.10	16
J3:	0.38	0.09	0.49	0.08	22
J4:	0.50	0.11	0.61	0.16	19
J5:	0.52	0.12	0.70	0.16	21

Analysis Settings and Tolerances

Setting	
Calibration File	C:\RIT\RIT113V4\Demo Images\Calibration\MLC Step\mlc step edr 300gcy piecewise poly.cal
Color Channel	all
Edge Threshold	0.5
Perch Orientation	0
Position Deviation Tolerance (mm)	0.95
Position Deviation Pass/Fail Criteria	90
Mean Bank Offset Tolerance (mm)	0.2
Bank Position Deviation Tolerance (mm)	0.5
Bank Position Pass/Fail Threshold (%)	90
Allowed Failures per Leaf	1