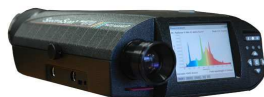




Audio & Video Calibration and Consulting

Calibration Report

Photo Research PR-670 Verified Color and Sencore SP-495 with
Earthworks M30 Microphone Sound Measurements



W. Jeff Meier
Phone: 573-480-9664
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www.accucalhd.com



Owner: Jerry
Manufacturer: JVC
Model: Projector
Calibrator: W. Jeff Meier
Date: September 14, 2011

Initial maximum light output 20 fL. Low lamp final light output 14 fL. High lamp final light output 22 fL.



Pre Calibration Results

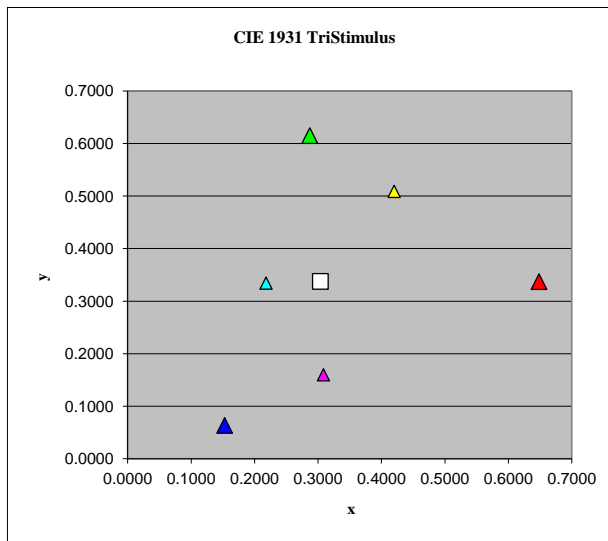
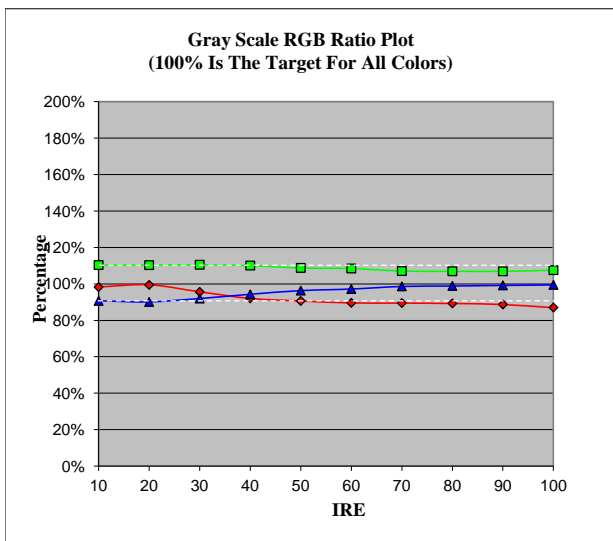
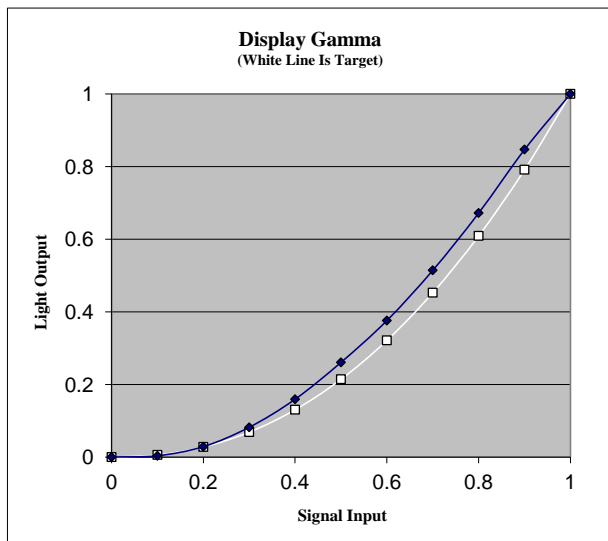
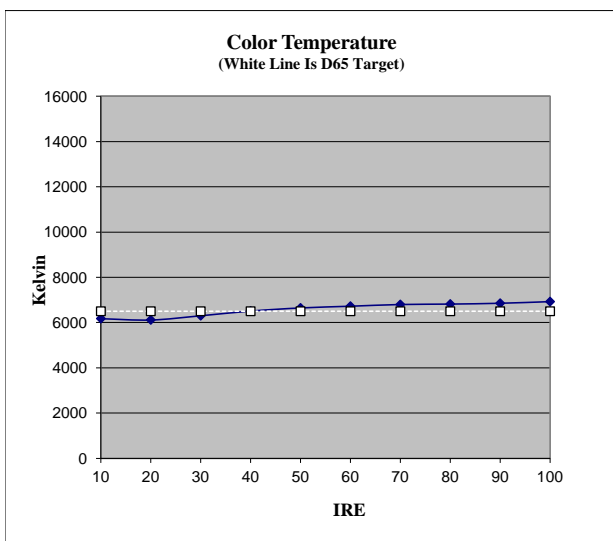
IRE	x	y	Y,lux	$\Delta E_{u^*v^*}$	Kelvin	Gamma	%Red	%Green	%Blue
0	0.3537	0.3275	1.334	39	4549	-	147%	87%	88%
10	0.3170	0.3499	27.041	16	6177	-	98%	110%	91%
20	0.3182	0.3505	214.637	16	6118	-	99%	110%	90%
30	0.3143	0.3487	612.100	16	6304	2.59	96%	110%	92%
40	0.3104	0.3458	1188.647	15	6512	2.31	92%	110%	94%
50	0.3081	0.3422	1945.694	13	6649	2.21	91%	109%	96%
60	0.3069	0.3409	2804.406	13	6725	2.01	90%	108%	97%
70	0.3059	0.3379	3836.712	11	6800	2.03	90%	107%	99%
80	0.3057	0.3375	5013.253	11	6819	2.00	89%	107%	99%
90	0.3051	0.3372	6316.743	11	6855	1.96	89%	107%	99%
100	0.3037	0.3376	7459.321	13	6926	1.58	87%	108%	99%

	x	y
Red	0.6483	0.3371
Green	0.2870	0.6151
Blue	0.1528	0.0636
Cyan	0.2181	0.3343
Magenta	0.3085	0.1599
Yellow	0.4199	0.5088
White	0.3037	0.3376
Skin	0.4150	0.4000
Sky	0.2471	0.2767
Foliage	0.3280	0.4302

On/Off Contrast Ratio 5593

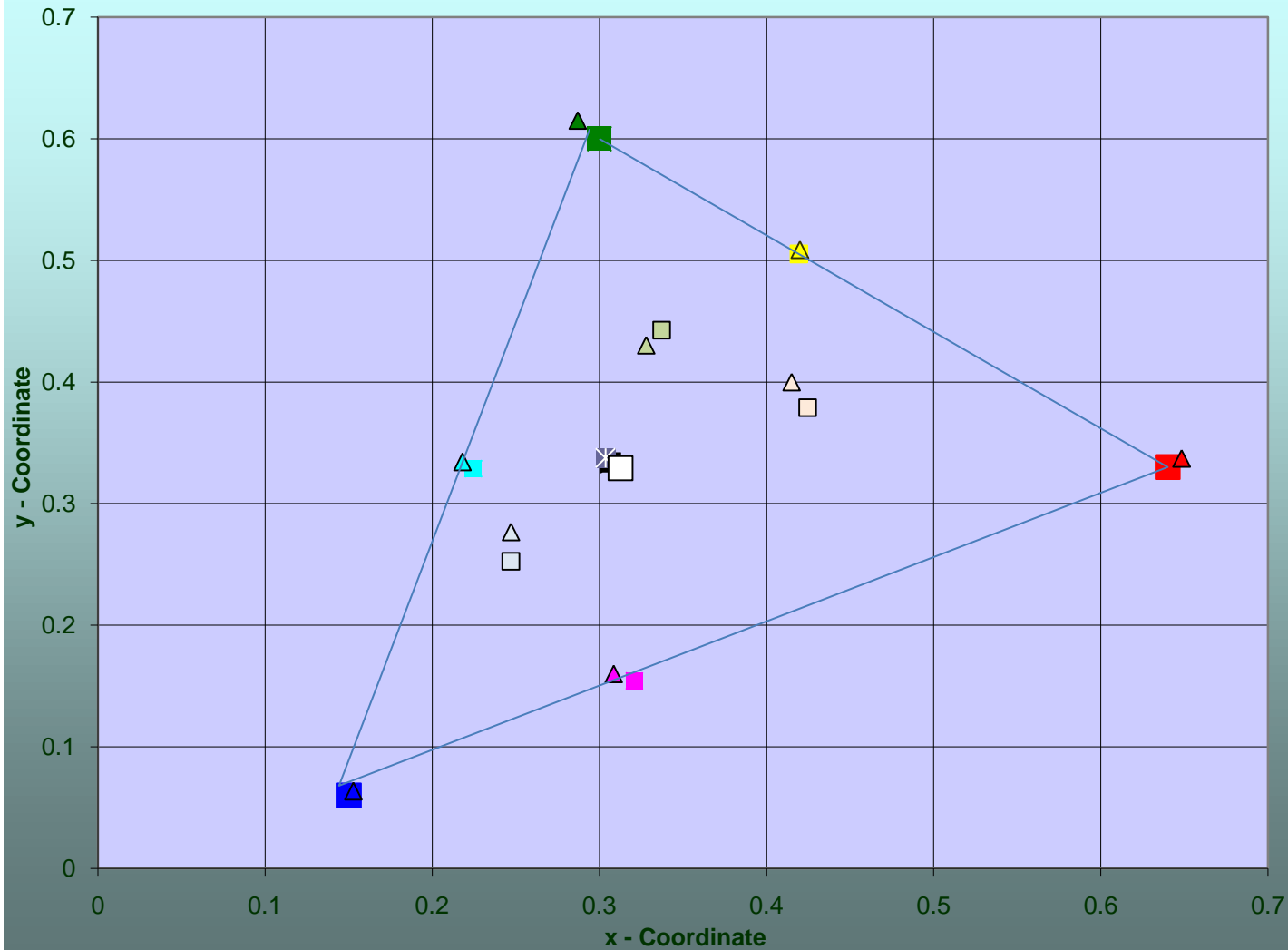
Average Gamma 2.09

Perceived Saturation 90%



TriStimulus Chart CIE - 1931

HDTV - Colospace



- White Value
- Red Primary
- Green Primary
- Blue Primary
- D65
- Yellow Secondary
- Cyan Secondary
- Magenta Secondary
- Red Value
- Blue Value
- Green Value
- Yellow Value
- Cyan Value
- Magenta Value
- Skin Value
- Sky Value
- Skin Color
- Sky Color
- Foliage Color
- Foliage Value

Post Calibration Results

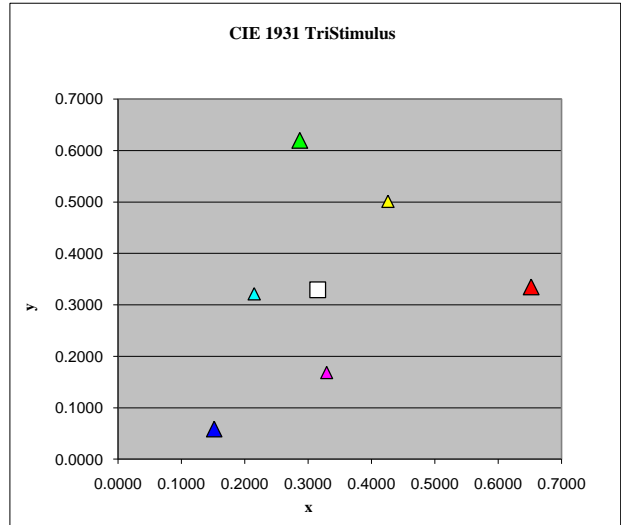
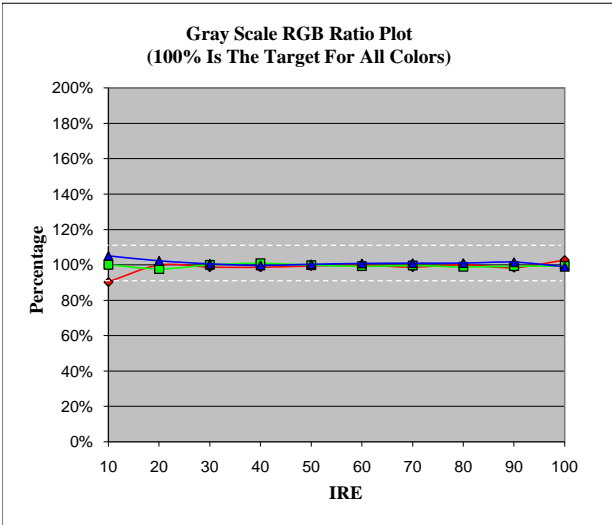
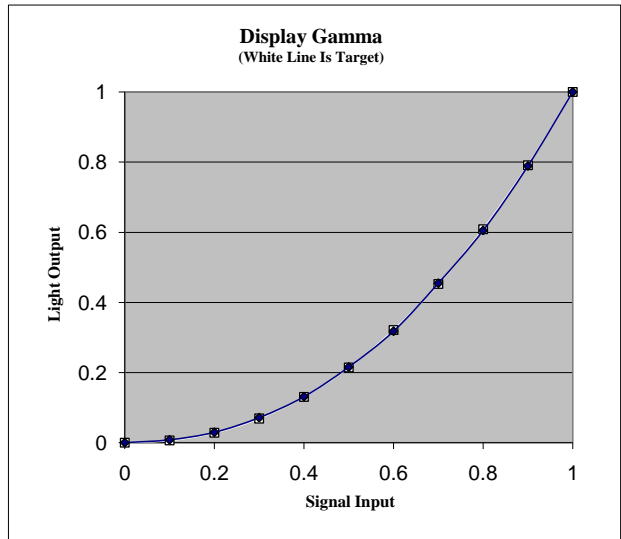
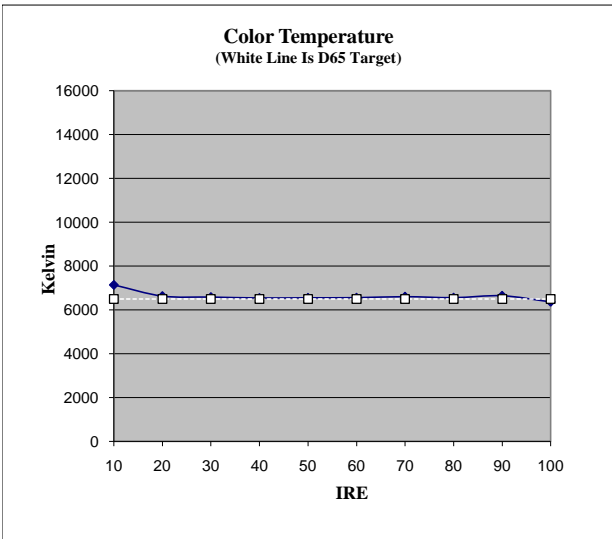
IRE	x	y	Y,lux	$\Delta E_{u^*v^*}$	Kelvin	Gamma	%Red	%Green	%Blue
0	0.2561	0.1834	0.136	154	-9966143	-	82%	36%	173%
10	0.3027	0.3237	53.934	9	7138	-	90%	100%	105%
20	0.3112	0.3241	196.119	4	6629	-	100%	98%	102%
30	0.3114	0.3284	472.515	1	6583	2.17	99%	100%	101%
40	0.3119	0.3303	868.060	2	6544	2.12	99%	101%	100%
50	0.3120	0.3285	1428.151	1	6550	2.23	99%	100%	100%
60	0.3121	0.3273	2104.610	1	6556	2.13	100%	99%	101%
70	0.3112	0.3275	3010.487	1	6602	2.32	99%	100%	101%
80	0.3121	0.3267	4006.446	2	6557	2.14	100%	99%	101%
90	0.3106	0.3265	5224.541	2	6643	2.25	98%	99%	102%
100	0.3153	0.3295	6620.725	2	6364	2.25	103%	99%	99%

	x	y
Red	0.6521	0.3350
Green	0.2870	0.6199
Blue	0.1518	0.0588
Cyan	0.2147	0.3216
Magenta	0.3293	0.1683
Yellow	0.4260	0.5015
White	0.3153	0.3295
Skin	0.4178	0.3723
Sky	0.2480	0.2626
Foliage	0.3320	0.4277

On/Off Contrast Ratio 48591

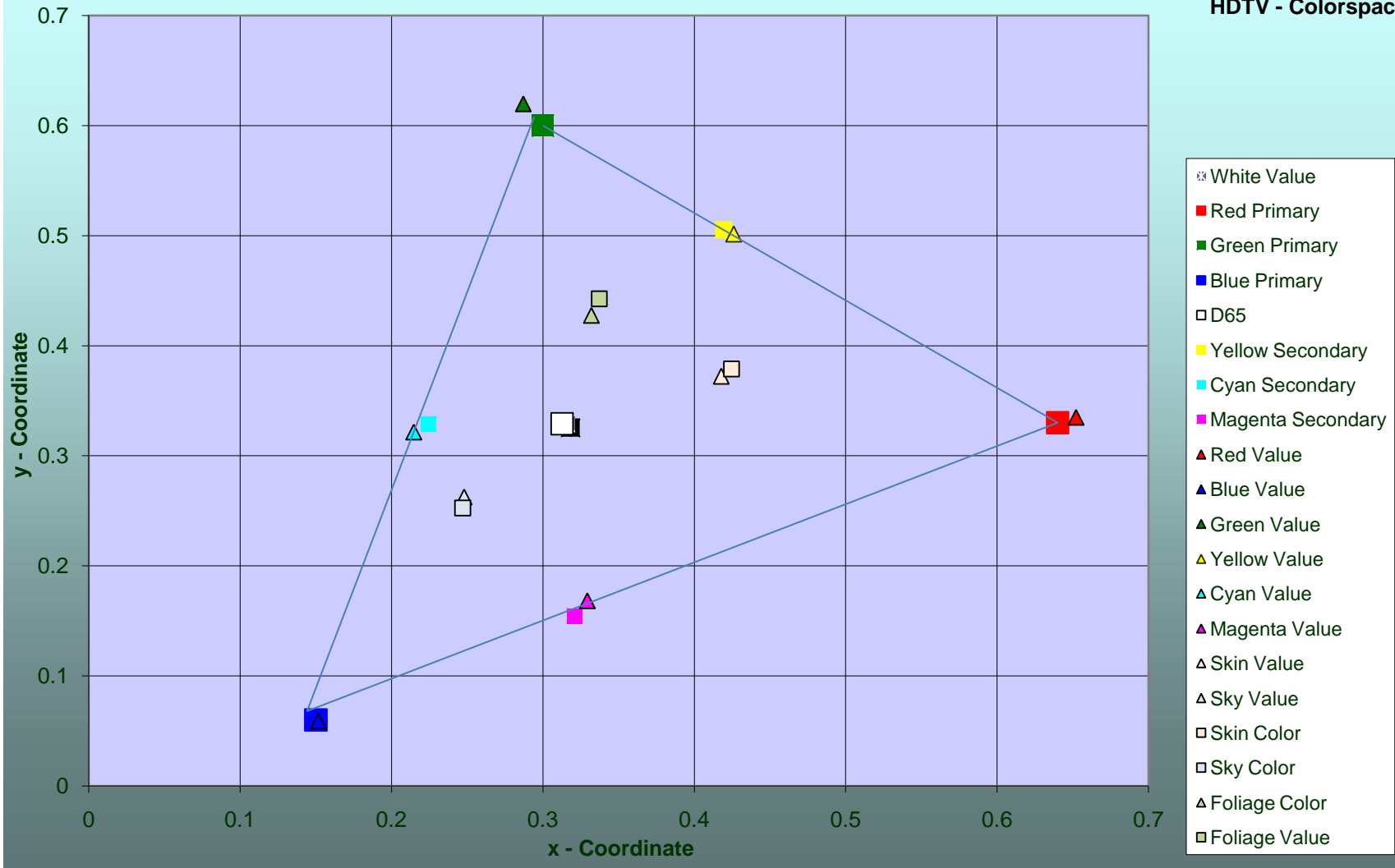
Average Gamma 2.20

Perceived Saturation 90%



TriStimulus Chart CIE - 1931

HDTV - Colospace



Notes

JVC Projector

HDMI Standard
Pixel Adjust all 3
Keystone 0,0
Screen Adjust 0
Black Level 0

Picture Mode User 1 (low lamp)

Contrast -6
Brightness 0
Color 5
Tint 0
Color Temp. Custom 1
Correction Value 6500K
Gain Red 0
Gain Green -36
Gain Blue -22
Offset Red -6
Offset Green -1
Offset Blue 1
Gamma Custom 1
Sharpness 0
Detail Enhacer 0
RNR 0
Color Space Standard
Custom Gamma Correction value 2.2 with custom values
Clear Motion Drive Off
Lens Aperature 0
Lamp Power Normal

Picture Mode User 2 (high lamp)

Contrast -6
Brightness 0
Color 5
Tint 0
Color Temp. Custom 2
Correction Value 7000K
Gain Red 0
Gain Green -26
Gain Blue -11
Offset Red -6
Offset Green -1
Offset Blue 1
Gamma Custom 1
Sharpness 0
Detail Enhacer 0
RNR 0
Color Space Standard
Custom Gamma Correction value 2.2 with custom values
Clear Motion Drive Off
Lens Aperature -6
Lamp Power High

Picture Mode 3D

Contrast 0
Brightness 0
Color -4
Tint 0
Color Temp. Custom 3
Correction Value 9500K
Gain Red 0

Notes

Gain Green -26
Gain Blue 0
Offset Red 0
Offset Green 0
Offset Blue 0
Sharpness 30
Detail Enhancer 10
RNR 0
Color Space wide1
Lens Aperature 0
Lamp Power High

Marantz Settings

Front Small
Center Small
Subwoofer Yes
Surround Small
SW Mode LFE
LPF for LFE 120Hz
Front L 15.3 ft
Front R 15.3 ft
Center 14.7ft
Subwoofer 15.6ft
Surround L 7.2ft
Surround R 7.3ft
Front L 0.0db
Center -0.5db
Front R +2.0db
SURround R -1.0db
Surround L -2.0db
Subwoofer -3.0db
Crossover Advanced
Front 60Hz
Center 60Hz
Surround 80Hz
HT EQ Off
DRC Off
Tone Control On
Bass +3db
Treble 0db
EQ 0db unless noted
Front L
63Hz -3.5db
125Hz +2.5db
500Hz -6.0db
1kHz +4.5db
4kHz -1.5db
Front R
125Hz +6.0db
250Hz -4.5db
500Hz -8.0db
1kHz +3.0db
4kHz -4.0db
8kHz -1.0db
Center
63Hz -12.5db
250Hz -6.0db
500Hz +1.0db
1kHz +2.0db
2kHz +4.5db
8kHz -1.5db
Surround L

Notes

500Hz -1.0db
1kHz +2.0db
2kHz +2.5db
4kHz +3.0db
8kHz +3.0db
16kHz -5.0db
Surround R
500Hz -8.5db
1kHz +3.0db
2kHz +3.0db
16khz -6.0db

RANE Settings

In/Out Gain 0db
#1 -12,20.5Hz, 0.3
#2 6,23.5,0.2
#3 0db
#4 0db
#5 0db

Subwoofer

180 deg Phase
Jazz Mode
Crossover Max HZ

L&R Front Speakers Sub Level 12 0'Clock

AccuCal™

AccuCal™

This service will ensure you are receiving peak performance from your home theater system. State of the art test equipment and design tools are used to achieve optimal results from your display and sound system.



Services Include:

- Video calibration to refine color, contrast and resolution to achieve the through the window look you paid for.
- Audio calibration to optimize your system's frequency response, clarity and balance so you can enjoy the sound as it was meant to be heard.

- Consultation to aid you in the selection of equipment that matches your needs and budget.
- Acoustical design and strategic speaker placement to immerse the room with vibrant sound.
- Video design to attain maximum display performance within your room.

Experience:

- Over two hundred home theaters a year.
- Degreed engineer.
- Modest to high end home theaters around the country.



Your path to the Home Theater ExperienceSM