



Devin Booker
2019-2020 Regular Season Report



Devin Booker - Analytical Assessment

Advanced Metrics

Booker posted a usage percentage of 29.5%, controlling more possession outcomes than **95%** of the league. While maintaining a high offensive workload, he has been a marksman, shooting a career-high field goal percentage and effective field goal percentage at 48.7% and 54% respectively. Booker has shot an effective field goal percentage better than players such as **James Harden, Jayson Tatum, Kawhi Leonard, Bradley Beal, Trae Young**, and other all-star and all-nba level players. He bounced back this year with a 36% 3pt field-goal percentage after shooting 32.6% last season. With a true shooting percentage of 62%, better than **86%** of the league, has been anchored by strong shooting from the line, where he has shot 91.6%, better than 93% of the league.

Booker has been instrumental with ball movement, posting an assist percentage of 30.2%, better than **93%** of the league, surpassing players like **Bradley Beal, Kawhi Leonard, Kemba Walker, and Donovan Mitchell**. Although this is true, he has struggled to take care of the ball, posting a 15.7% turnover percentage, worse than 78% of the league. With a usage rate as high as Booker's, this is to be expected. However, some of those turnovers can be converted into more impactful possessions. **Ben Simmons, Lonzo Ball, and Giannis Antetokounmpo** have significantly worse turnover percentages.

Shot Efficiency/Quality

What's impressive about Booker's efficiency is that his shot quality is worse than 72% of the league, posting a quantified shot quality of 48.1%, which takes into account location of shot, shot type, and how close defenders are to the shooter. With the defensive attention that Booker draws, he's still able to maintain very good efficiency. The average distance of a defender on any given shot is 4.37 feet away, which is only better than 31% of the league, meaning defensive schemes are deployed to attempt to slow Booker down each night. Unfortunately for those opponents, he continues to convert tough attempts - his offensive shooting impact is felt by defenders, as his quantified shot impact is better than roughly 90% of the league. For any given possession, chance, or shot, Booker is more than likely guaranteed to generate no less than a point for his team.

Play Action Efficiency - Offense

When Booker is in attack mode, it's mostly out of pick and roll and transition action. Out of the pick and roll action, Booker is scoring more than **93%** of the league, accumulating 369 points (translating to roughly 6 points per game). He's getting to line better than almost anyone that is a primary ball handler in pick and roll action. He's taking better care of the ball in this action than **Harden or Simmons**, but still can work to reduce that turnover percentage from 21% which will make room for more impactful scoring opportunities. However, of all scoring attempts, he's converting at an efficiency better than **84%** of the league. In transition, Booker is unguardable, scoring 1.2 points per possession, better than two-thirds of the league, finishing at an elite 56% field goal percentage. In off-screen action, Booker is shooting 50% from the field, with an adjusted field goal percentage of 57%, which is better than nearly anyone in the league. This is a 10% increase in both field goal and adjusted field goal percentages since he entered the league. An astounding improvement - a result of the work he has put in over time, utilizing double staggers to punish defenses. These numbers surpass those of **Klay Thompson (2018-2019)**,



Donovan Mitchell, and **Jayson Tatum**. Of players who have taken at least 100 field goal attempts off screens, Booker has the highest field goal percentage and third highest adjusted field goal percentage. Given that Booker takes the toughest shots in the league, if we account for this, Booker is by far the most elite shooter off this action. He should continue to take advantage of these off screens as this action has proven to be a valuable asset in his offensive arsenal.

Play Action Efficiency - Defense

Booker does a really good job defending handoff and off-screen action. He defends handoffs better than 61% of the league when it comes to points per possession, holding offensive players to lower numbers than **Avery Bradley**, **Jimmy Butler**, **Donovan Mitchell**, **Jayson Tatum**, **Chris Paul**, **Danny Green**, and a host of other players who are touted as “elite defenders”. As for off-screen action, Booker holds opponents to a 38% field goal percentage, which is better than 60% of the league. However, with an adjusted field goal percentage of 49%, it’s evident that there are threes given up. However, that is still above the league average. He defends this action better than players such as Khris Middleton, Ben Simmons, and Jimmy Butler.

Offenses are attacking him with lots of pick and rolls and spot up opportunities to fatigue him due to his high offensive usage rate. He has faced more pick and rolls than **96%** of the league, and more spot up opportunities than **87%** of the league, which leads to a lot of rotations and closeouts.

In the spot up play action he’s giving up 1.11 points per possession when he’s a primary defender in this action. He is mostly compromised in catch and shoot situations, where he’s giving up 1.2 points per possession, which is worse than 75% of the league. However, when we analyze the breakdown of catch and shoot shots, there’s clearly a massive difference between shot efficiency in relation to closeout quality. When Booker gets a good closeout, he only allows a 27.5% field goal percentage, .797 points per possession, which is better than 77% of the league. But, when he doesn’t close out well, he gives up 1.448 points per possession, which is worse than **87%** of the league, yielding a 48% fg%. If he anticipates rotations, doesn’t overrotate, and closes out more under control, he can be one of the best perimeter shot defenders in the league.

In the pick and roll, Booker struggles to contain this action as offenses are converting roughly 44% of field goal attempts. 10% percent of possessions result in shooting fouls, which is only better than 5% of the league. When Booker gets caught running into screens or goes under, his defensive efficiency greatly diminishes. However, when he fights over screens as ball-handlers come off, he is pretty solid, ranking above 63% of the league.



Traditional (Per-Game)															
	PTS	FGA	FG%	2PA	2P%	3PA	3P%	FTA	FT%	ORB	DRB	AST	TOV	STL	BLK
	26.1	18	48.7%	12.4	54.4%	5.6	36%	7.1	91.6%	0.4	3.7	6.6	3.9	0.7	0.3
Rank	98%	97%	76%	97%	69%	88%	63%	98%	93%	36%	75%	96%	1%	64%	48%

Advanced														
	OBPM	DBPM	BPM	VORP	OWS	DWS	WS	USG%	eFG%	TS%	DRB%	AST%	STL%	TOV%
	3.1	-1.4	1.7	2.1	4.8	1.2	6	29.5%	54%	62%	11.7%	30.2%	1%	15.7%
Rank	94%	16%	83%	95%	98%	71%	96%	95%	68%	86%	32%	93%	22%	22%

Shot Efficiency and Quality							
	PPC	PPP	PPS	qSQ	qSP	qSI	qSM
	1.11	1.27	1.11	48.1%	0.54	6.2	0.78
Rank	68%	63%	68%	12%	61%	89%	64%

Shot Distribution						
	FTAr	Paint Rate	RA Rate	3pt Rate	Corner 3pt Rate	Mid-Range Rate
	39.5%	40.1%	16.9%	31.3%	3.8%	28.6%
Rank	85%	37%	28%	31%	22%	94%

Shot Location Detail			
	Avg Distance	Contest Rate	Avg Def. Dist.
Rank	15.1	80.1%	4.37
	56%	54%	31%

Play Action Efficiency <small>(min 10 poss)</small>												
Action	% Time	Poss	Points	PPP	FGM	FGA	FG%	aFG%	%TO	%FT	%SF	%Score
Cut	5%	72	118	1.64	45	58	78%	78%	4%	24%	22%	78%
		85%	89%	97%	87%	83%	90%	90%	44%	64%	62%	91%
Hand-Off	9%	132	130	0.99	45	104	43%	50%	11%	11%	8%	43%
		98%	98%	66%	96%	97%	65%	55%	82%	21%	91%	70%
Iso	11%	169	159	0.94	55	130	42%	46%	12%	14%	12%	44%
		93%	94%	64%	94%	94%	65%	62%	79%	29%	29%	62%
Off Screen	10%	149	158	1.06	60	119	50%	57%	13%	9%	7%	48%
		97%	96%	72%	97%	95%	84%	77%	73%	92%	85%	84%
PnR Handler	26%	409	369	0.9	131	279	47%	51%	21%	12%	10%	42%
		93%	93%	65%	92%	91%	84%	75%	30%	23%	99%	68%
Spot Up	8%	125	123	0.98	41	110	37%	49%	6%	7%	6%	39%
		65%	67%	51%	64%	64%	47%	40%	41%	91%	87%	58%
Transition	19%	297	353	1.19	124	223	56%	63%	13%	14%	12%	54%
		99%	99%	66%	99%	99%	59%	62%	78%	25%	19%	67%

GP
62

Devin Booker

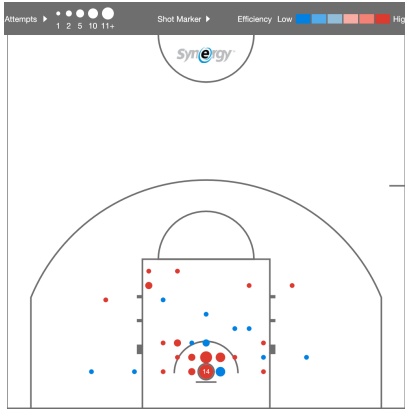
2019-20 Regular Season Report

MPG
36.1

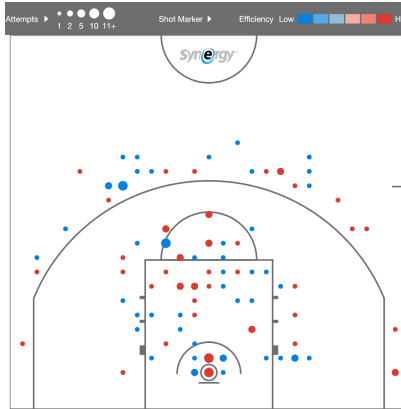


Shot Charts - Play Action

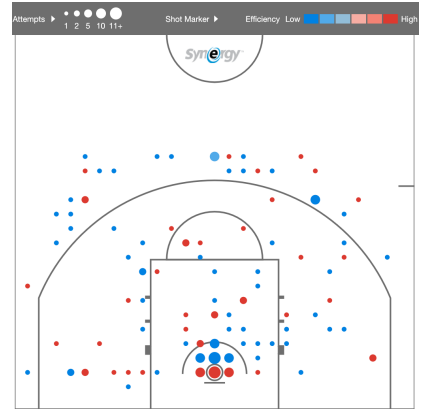
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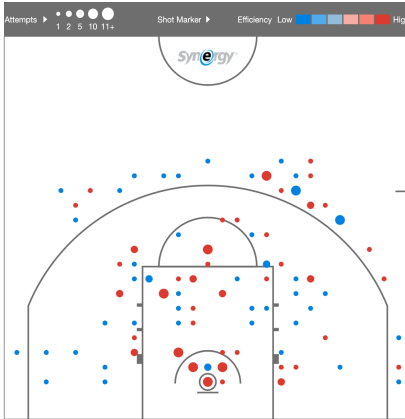
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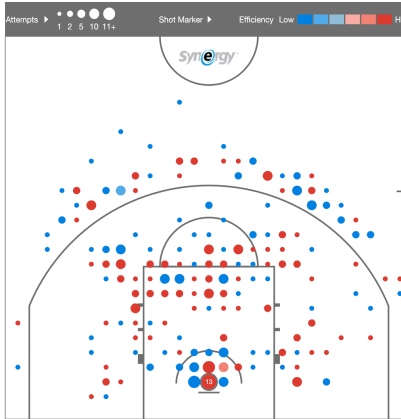
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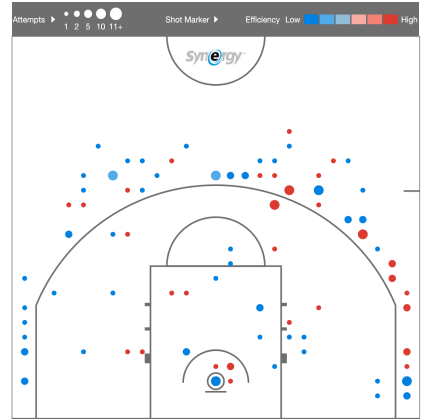
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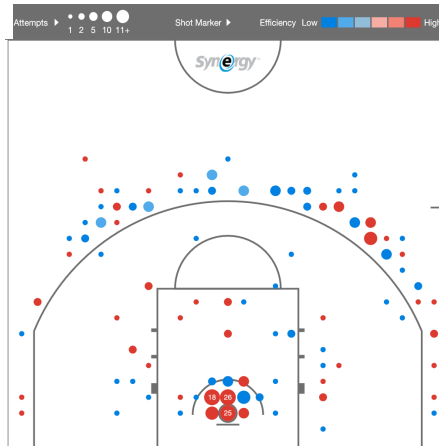
PnR Handler



Spot Up



Transition



GP
62

Devin Booker

2019-20 Regular Season Report

MPG
36.1



Play Action Efficiency - Defense

Play Action Efficiency (min 10 poss)

Action	% Time	Poss	PPP	FG%	aFG%	%TO	%FT	%SF	%Score
Hand-Off	10%	70	0.86	42%	46%	16%	6%	6%	39%
Rank		93%	61%	45%	55%	40%	35%	34%	54%
Iso	6%	46	1	47%	50%	9%	15%	13%	46%
Rank		75%	36%	25%	35%	92%	66%	72%	36%
Off Screen	10%	71	0.99	38%	49%	4%	6%	6%	39%
Rank		97%	48%	60%	52%	51%	37%	36%	51%
PnR Handler	31%	219	0.88	44%	47%	16%	12%	10%	43%
Rank		87%	50%	37%	46%	44%	77%	5%	37%
Spot Up	31%	219	1.11	43%	57%	8%	7%	6%	43%
Rank		96%	24%	25%	25%	84%	11%	26%	24%

Glossary

aFG%: [(total points - ftm)/fga]/2
AST%: % on-court team FGs assisted
Avg Def. Dist.: Avg distance nearest defender
BLK%: % opponent 2PA blocked
BPM: Box plus minus
DBPM: Defensive box plus minus

eFG%: FG% with 3s valued (3/2)
%FT: Total Poss with FTA/Total Poss
OBPM: Offensive box plus minus
OWS: Offensive Win Shares
Poss: Possessions
PPC: Total Points per Chance/Total Chances

PPP: Total Points per Poss/Total Poss
PPS: Total Points per Shot/Total Shots
qSI: Quantified Shot Impact
qSM: Diff between actual eFG% and qSP
qSP: Quantified Shot Probability
qSQ: Quantified Shot Quality

Rank: League Percentile Rank
%Score: % poss w/ at least one point
%SF: Total Shooting Fouls Drawn/Total Poss
STL%: Percentage of opp poss with a steal
%TO: Total Turnovers/Total Poss
TOV%: Turnover rate on ended takes (FG, TOV, FT Trip)

TS%: True Shooting Percentage; the formula is PTS / (2 * TSA)
USG%: Percentage of team takes used by a player
WS: Win Shares
WS/40: Win Shares per 40