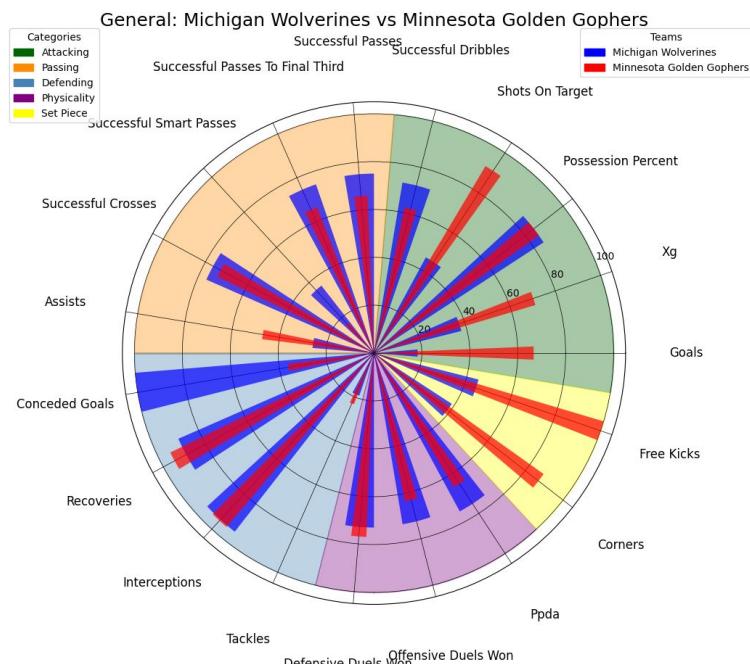


# Michigan at Minnesota

Michigan	Big10	Stats are Per 90 min	Big10	Minnesota
LWDLL	TBD	<b>Form (last 5)</b>	TBD	WDWWW
0.625	TBD	<b>Goals</b>	TBD	2.286
1.18	TBD	<b>Expected Goals</b>	TBD	2.219
2.375	TBD	<b>Conceded Goals</b>	TBD	0.857
52.05%	TBD	<b>Possession (%)</b>	TBD	52.737 %
13.75 (4)	TBD	<b>Shots (on goal)</b>	TBD	16.14 (8.286)
321.125 / 422.125 (76.07%)	TBD	<b>Passes Complete (accuracy %)</b>	TBD	281.714 / 399.14 (70.58%)
243	TBD	<b>Duels (per 90 minutes)</b>	TBD	269
8.59625	TBD	<b>PPDA</b>	TBD	7.449



Attacking      Passing      Defending      Physicality      Set Pieces      Goalkeeping



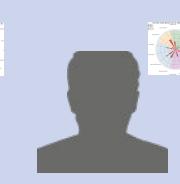
**Minnesota (last 5):**  
 [9/13] W 1:0 at Illinois  
 [9/8] D 1:1 vs Brown  
 [9/6] W 3:0 vs Army  
 [9/1] W 2:1 vs Marquette  
 [8/30] W 3:2 at Milwaukee

**Michigan (last 5):**  
 [9/12] L 0:6 at Penn State  
 [9/8] W 1:0 vs Alabama  
 [9/4] D 2:2 at Iowa State  
 [9/1] L 1:2 vs Ball State  
 [8/29] L 0:2 vs Notre Dame

**Formations Minnesota:**



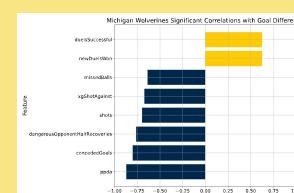
**Key subs Minnesota:**



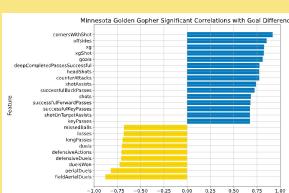
**Keys to the game!**

- Harper: 5 Goals
- Boman: 2 Goal, 1 Assist (Key to playing out)
- Heimerl: Crosses often (21 attempted)

**Michigan**



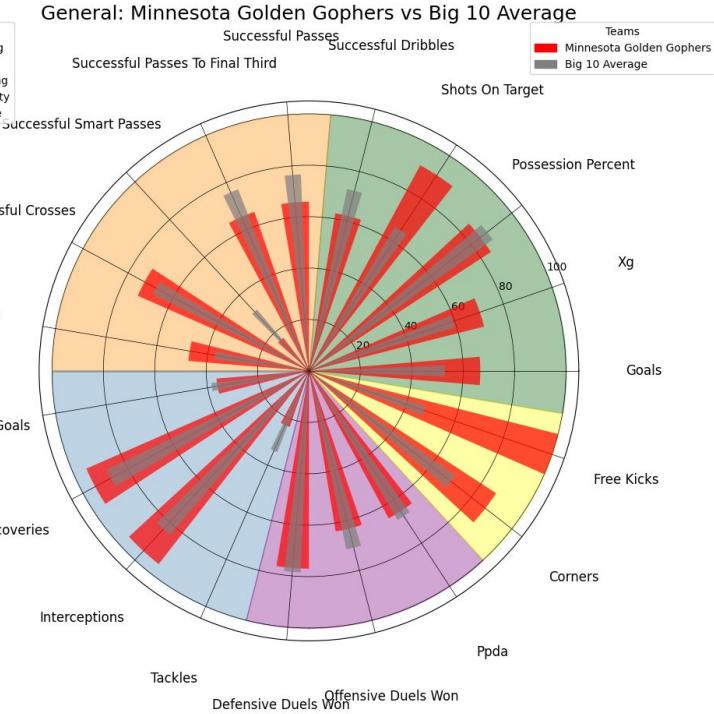
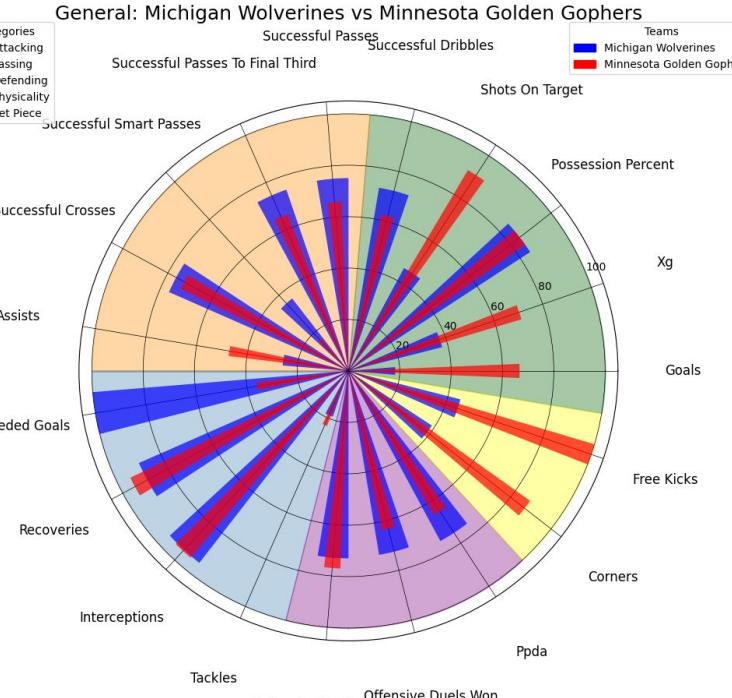
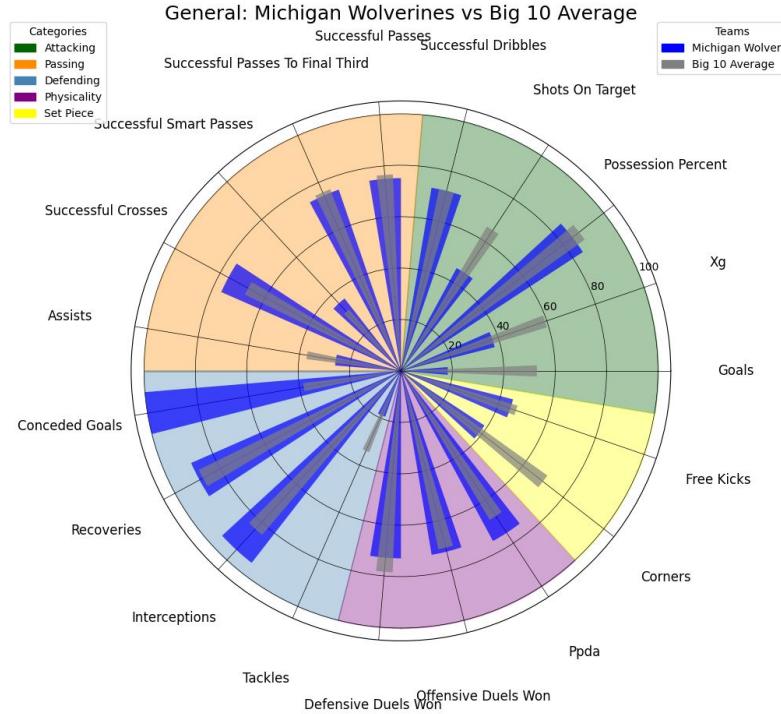
**Minnesota**



- Win duels!!
- Stop their passing game; Minimize PPDA
- Win aerial duels; expect a lot of crosses

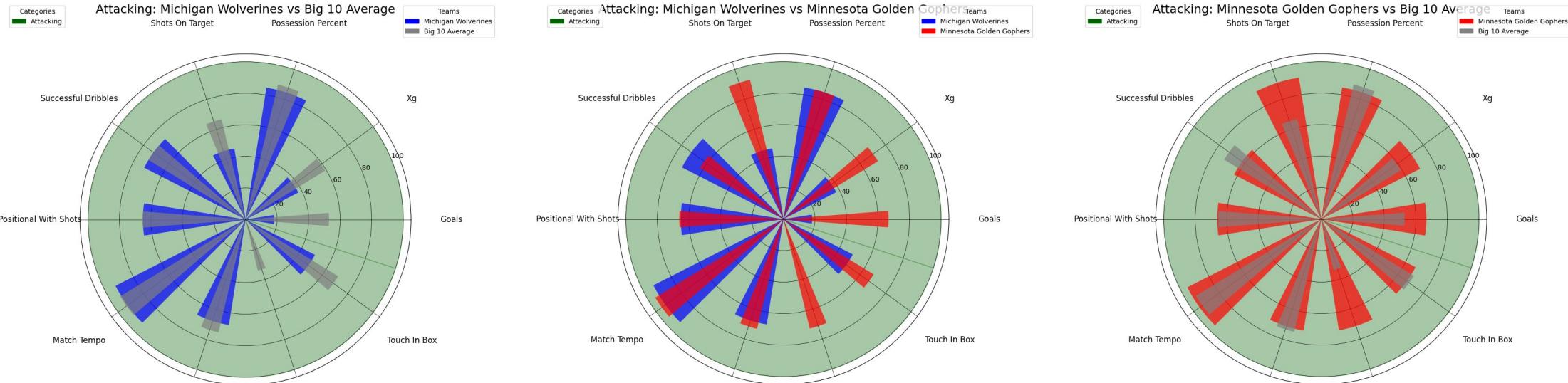
[For more details click here.](#)

# Team Radar Plots



Left: Michigan vs Big 10 Average; Center: Michigan vs Minnesota; Right: Minnesota vs Big 10 Average

# Attacking

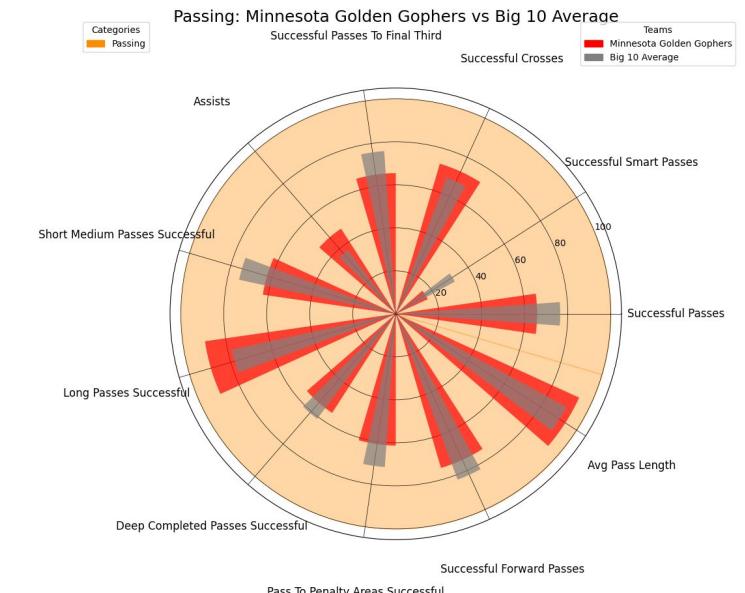
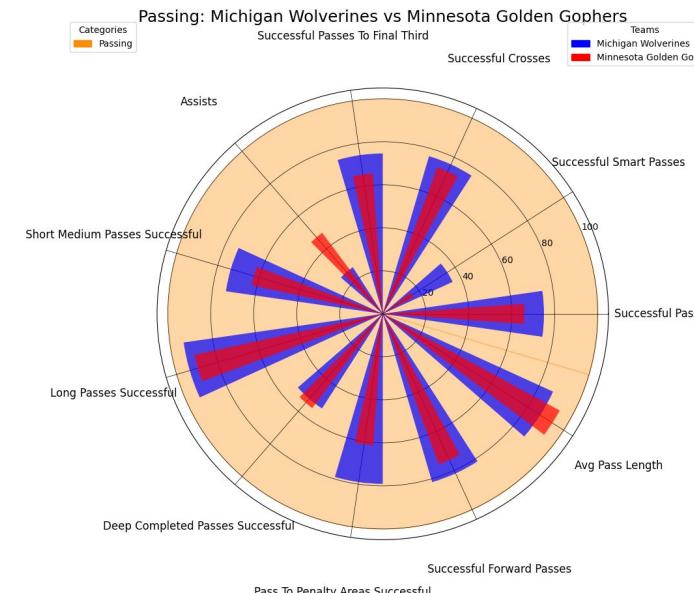
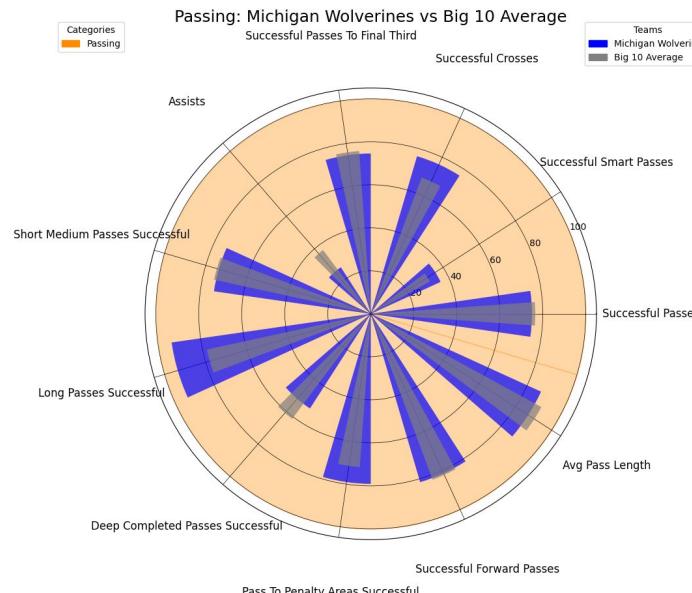


Michigan	Big10	Stats are Per 90 min	Big10	Minnesota
0.625	TBD	Goals	TBD	2.286
1.18	TBD	Xgoals	TBD	2.219
52.05%	TBD	Possession	TBD	52.737 %
13.75 (4)	TBD	Shots (on target)	TBD	16.143 (8.286)
38.875 (10.75)	TBD	Positional attacks (with shots)	TBD	43.857 (10.571)
0 (0)	TBD	Counterattacks (with shots)	TBD	0.714 (0.429)
0 (0)	TBD	Penalties (converted)	TBD	0.143 (0.143)
26.125	TBD	Penalty area entries	TBD	26.429
14.5	TBD	Touches in penalty area	TBD	19.714
2.875	TBD	Offside	TBD	1.714
14.66	TBD	Match Tempo	TBD	14.921
20.08	TBD	Average shot distance	TBD	16.847
8.125 (2)	TBD	Shots outside penalty area (accurate)	TBD	6.429 (3)



Back to Page  
1

# Passing



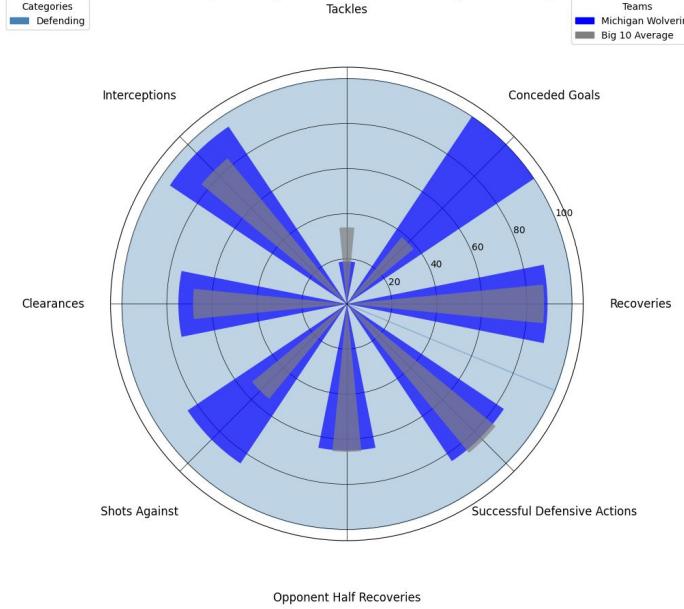
Michigan	Big10	Stats are Per 90 min	Big10	Minnesota
422.125 (321.125)	TBD	Passes (accurate)	TBD	399.143 (281.714)
16.875 (6)	TBD	Crosses (accurate)	TBD	18.286 (5.714)
5.256.125	TBD	Deep crosses	TBD	5.714
161.875	TBD	Deep passes	TBD	6.429
161.875 (103.75)	TBD	Forward passes (accurate)	TBD	164.143 (95)
65.125 (60.25)	TBD	Back passes (accurate)	TBD	53.714 (49)
140.5 (116.75)	TBD	Lateral passes (accurate)	TBD	130 (104.429)
58.125 (29.625)	TBD	Long passes (accurate)	TBD	66.286 (29.286)
58.5 (35.5)	TBD	Passes to final third (accurate)	TBD	61.286 (31.143)
85.75 (55.125)	TBD	Progressive passes (accurate)	TBD	82.286 (51.571)
4.125 (0.625)	TBD	Smart passes (accurate)	TBD	1 (0.286)
3.214	TBD	Average pass per possession	TBD	2.763
19.386	TBD	Average pass length	TBD	20.744



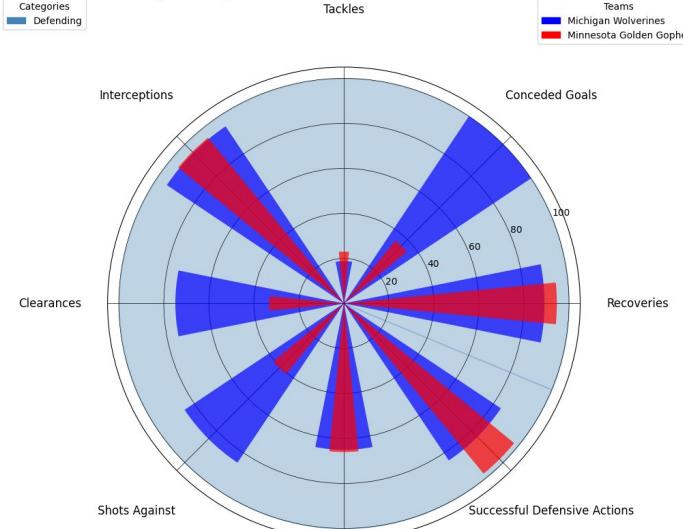
Back to Page  
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# Defending

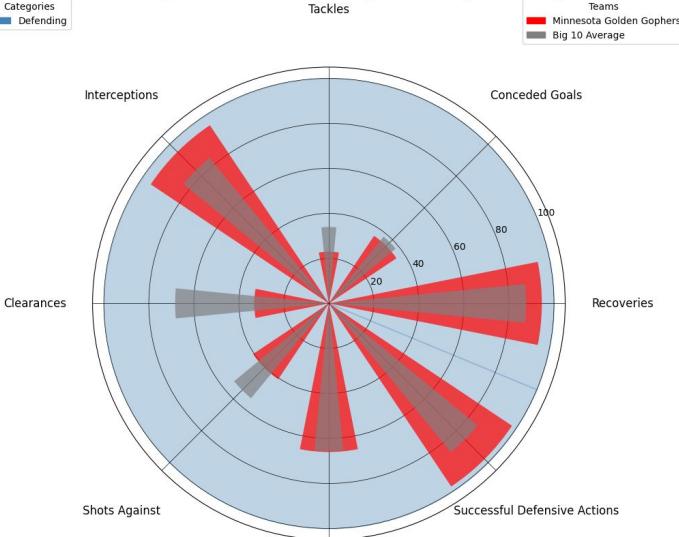
Defending: Michigan Wolverines vs Big 10 Average



Defending: Michigan Wolverines vs Minnesota Golden Gophers



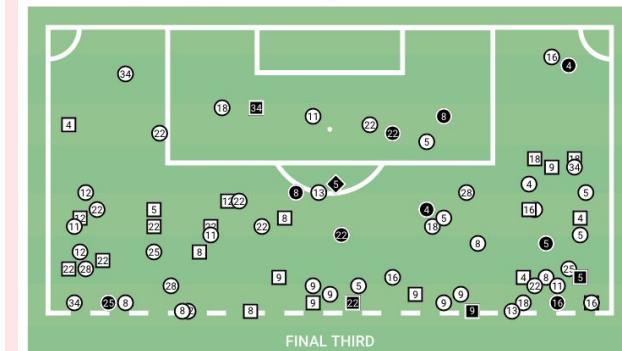
Defending: Minnesota Golden Gophers vs Big 10 Average



Michigan	Big10	Stats are Per 90 min	Big10	Minnesota
2.375	TBD	Conceded goals	TBD	0.857
15 (7)	TBD	Shorts against (on target)	TBD	7.143 (3)
101.625 (40.5, 45.125, 16)	TBD	Recoveries (low, medium, high)	TBD	107.857 (40.857, 49.286, 17.714)
1.125 (0.875)	TBD	Sliding tackles (successful)	TBD	1.571 (1.286)
48.125	TBD	Interceptions	TBD	48.429
16	TBD	Clearances	TBD	6.714
8.596	TBD	PPDA	TBD	7.449

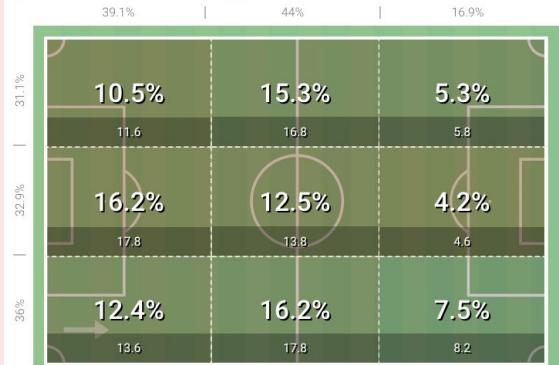
## Recoveries in final third

□ Positional pressing ● With shot ◆ Goal



## Ball possession recoveries

■ More than league average ■ Less than league average

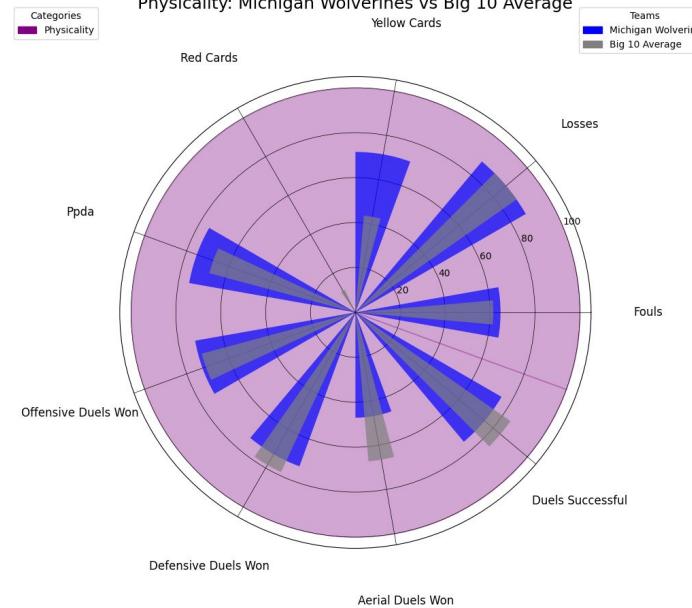


Back to Page

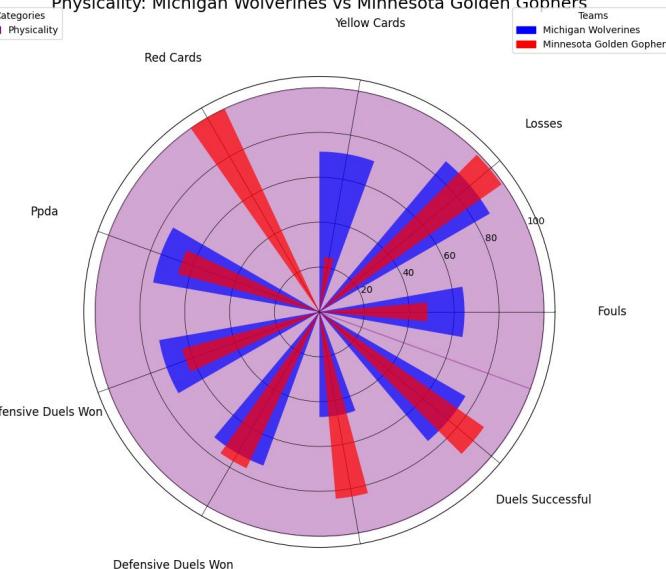
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# Physicality

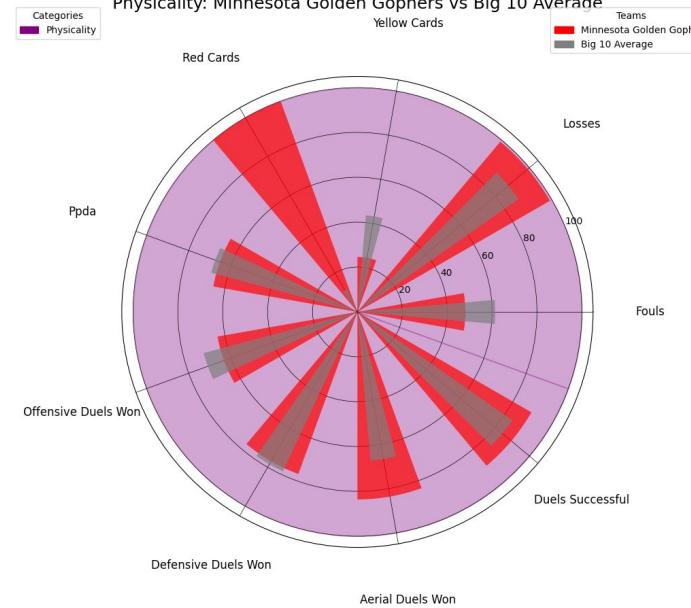
Physicality: Michigan Wolverines vs Big 10 Average



Physicality: Michigan Wolverines vs Minnesota Golden Gophers



Physicality: Minnesota Golden Gophers vs Big 10 Average



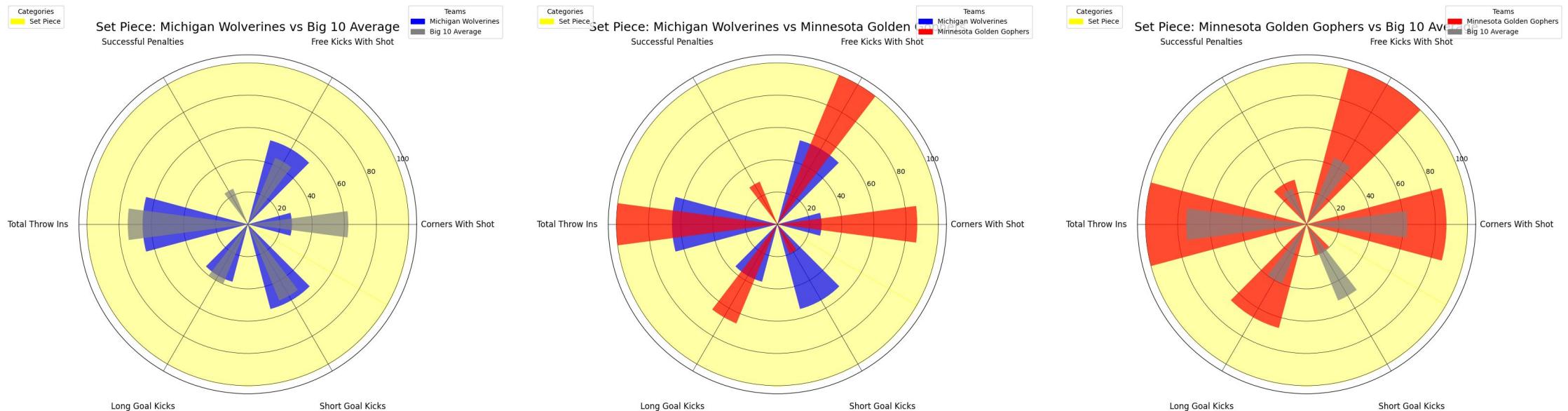
Michigan	Big10	Stats are Per 90 min	Big10	Minnesota
10.75	TBD	Fouls	TBD	8
136.75 (24.875, 50.25, 61.625)	TBD	Losses (low, medium, high)	TBD	154.571 (19.286, 60, 75.286)
243 (113)	TBD	Duels (won)	TBD	269 (130.714)
89.875 (56.125)	TBD	Defensive duels (won)	TBD	88.571 (65.571)
99.125 (34.625)	TBD	Offensive duels (won)	TBD	102.429 (31.143)
27.75 (12.25)	TBD	Aerial duels (won)	TBD	46.286 (21.857)
1.25	TBD	Yellow cards	TBD	0.429
0	TBD	Red cards	TBD	0.143
8.596	TBD	PPDA	TBD	7.449



Back to Page

1

# Set Pieces



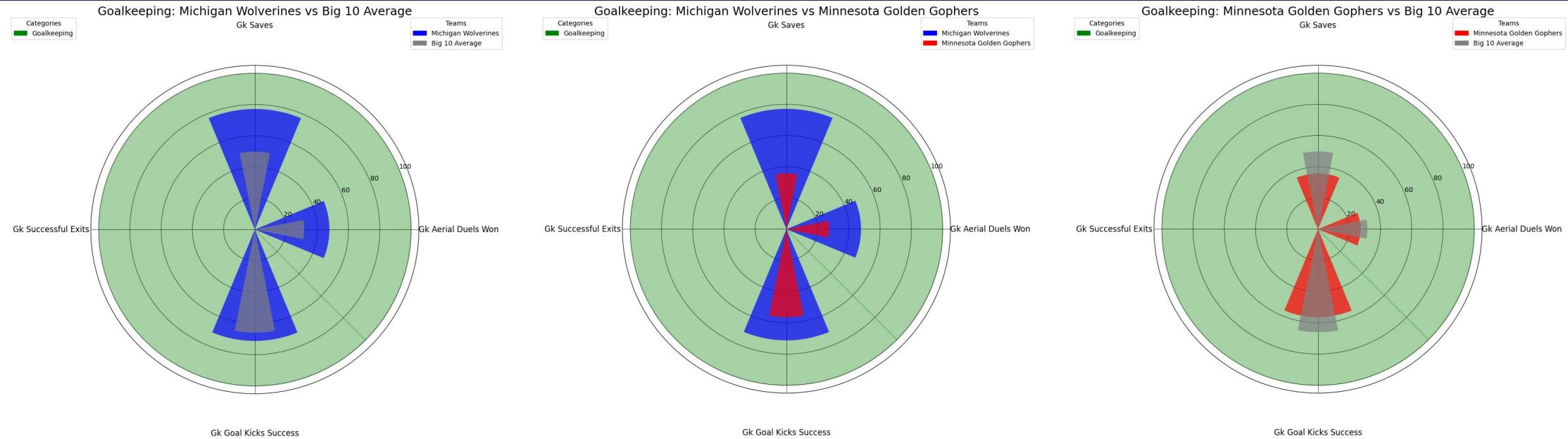
Michigan	Big10	Stats are Per 90 min	Big10	Minnesota
24.25 (2.75)	TBD	Set pieces (with shots)	TBD	25 (4.714)
3.25 (0.75)	TBD	Corners (with shots)	TBD	7.286 (2.714)
2.25 (0.625)	TBD	Free kicks (with shots)	TBD	5 (1.714)
29 (26)	TBD	Throw ins (accurate)	TBD	43 (34.857)
0	TBD	Penalties	TBD	0.143 (0.143)
7.5	TBD	Goal kicks	TBD	6.143



Back to Page

1

# Goalkeeping



Michigan	Big10	Stats are Per 90 min	Big10	Minnesota
0.72	TBD	Aerial Duels (Won)	TBD	0.34
4.29	TBD	Saves	TBD	1.91
1.55	TBD	Exits	TBD	1.01
4.53	TBD	Goal Kicks short	TBD	1.69
2.03	TBD	Goal Kicks Long	TBD	3.38

Back to Page

1

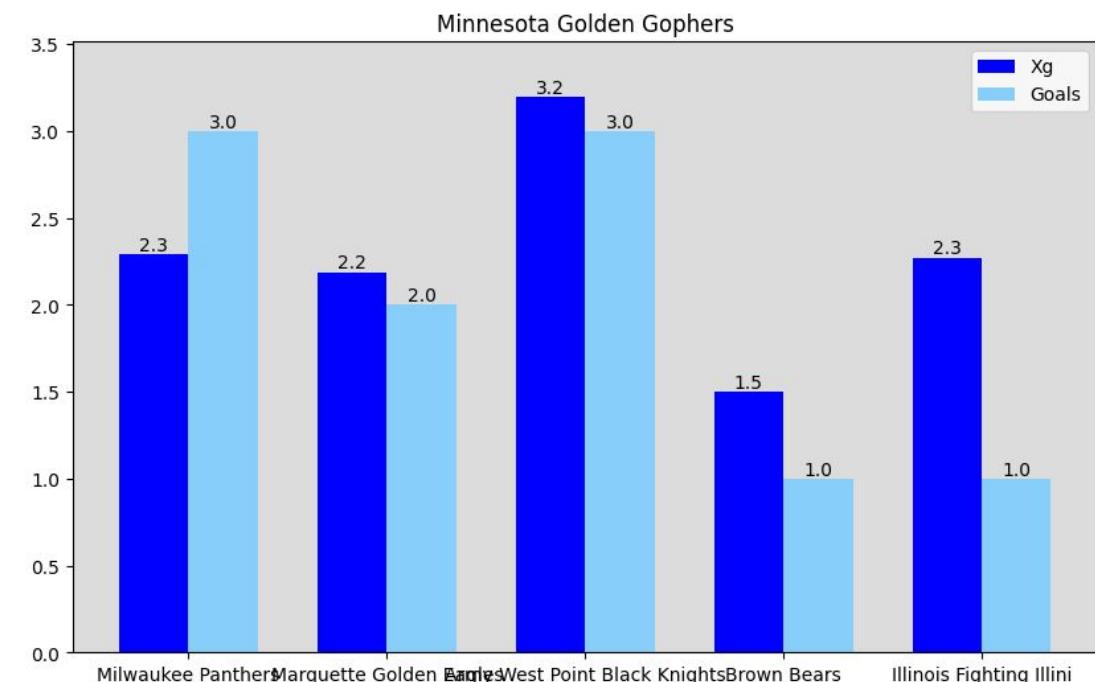
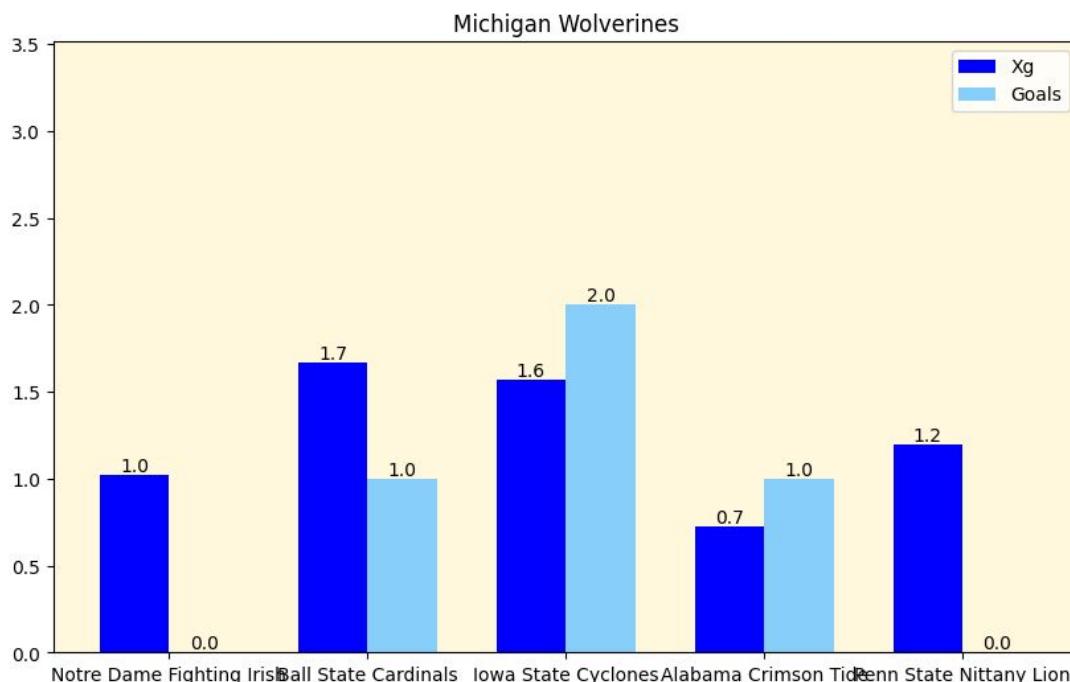
# Table Data

[Back to Page](#)

1

# Goals & Expected Goals

Last 5 Games: Xg vs Goals

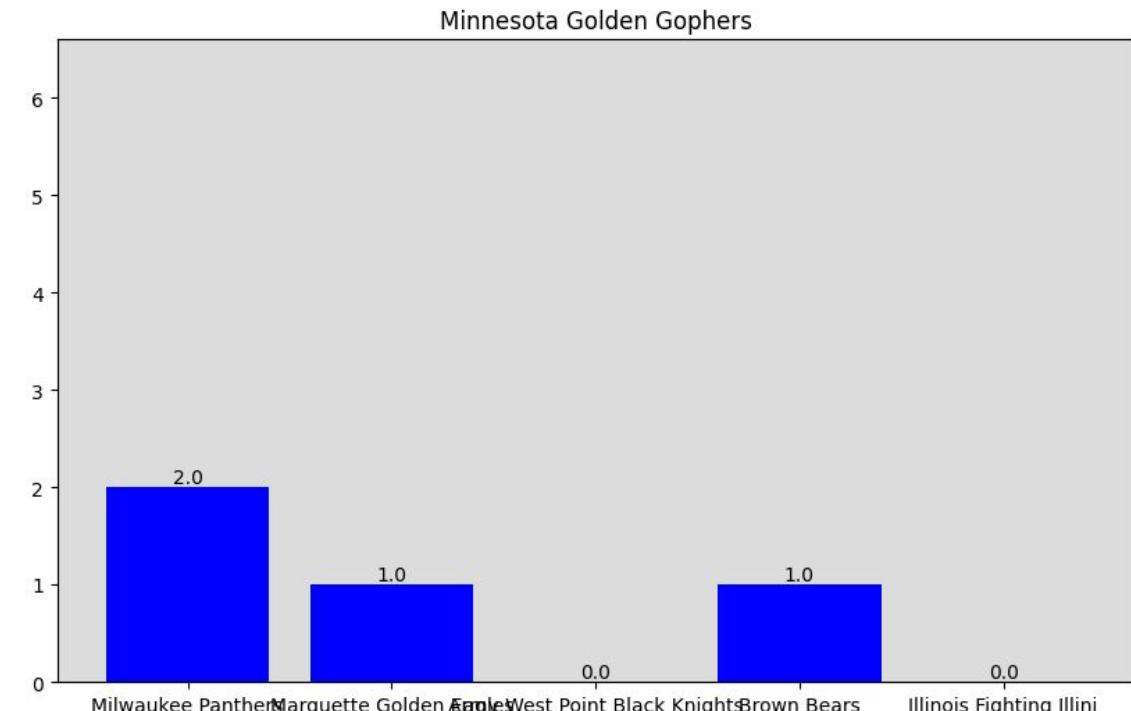
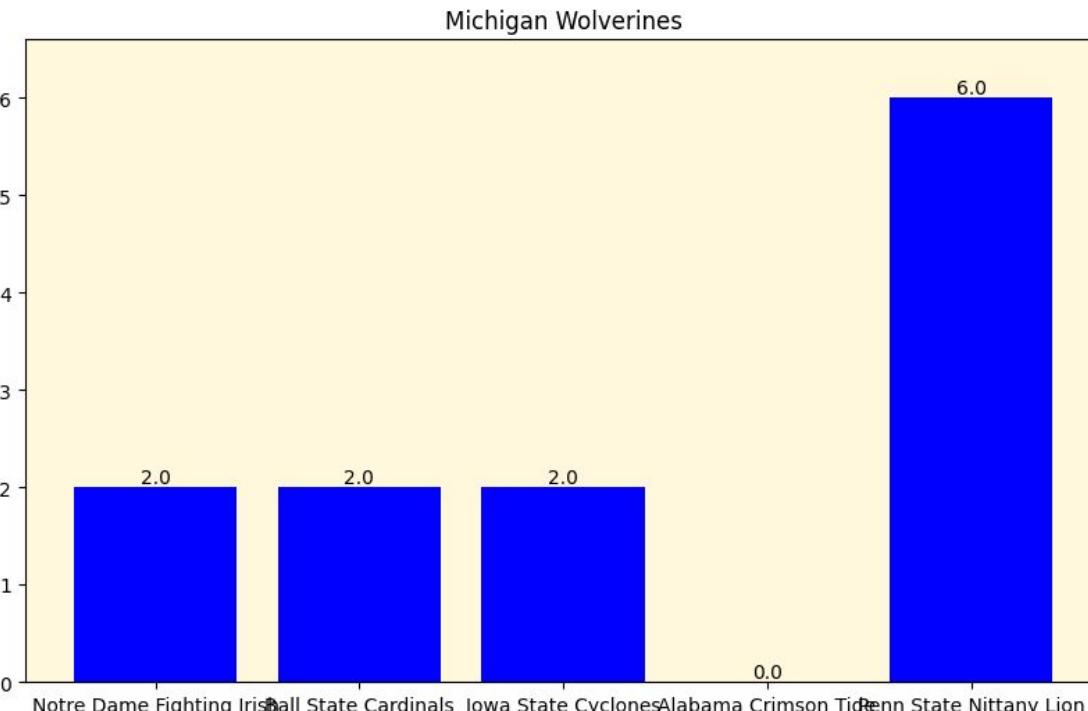


Back to Page

1

# Conceded Goals

Last 5 Games: Conceded Goals

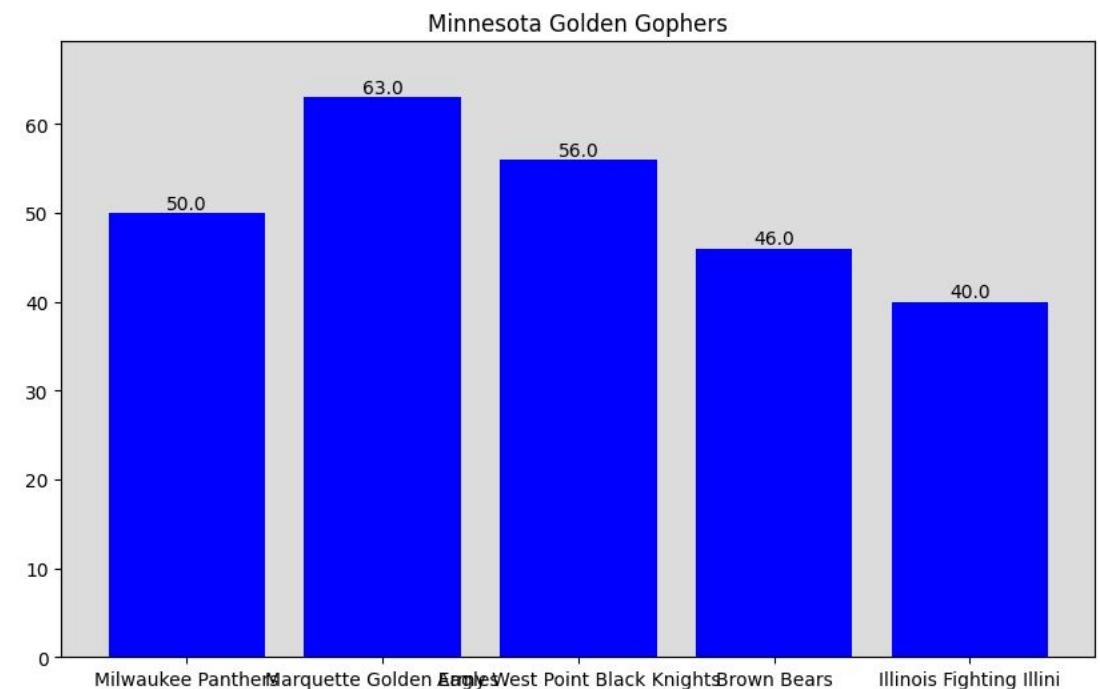
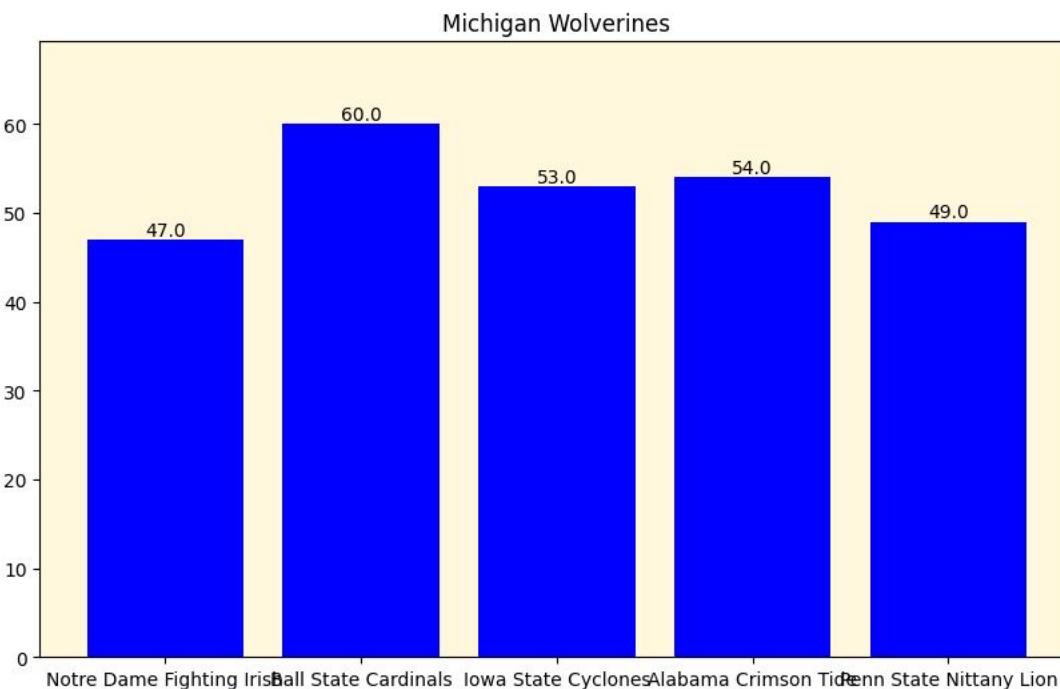


[Back to Page](#)

1

# Possession

Last 5 Games: Possession Percent

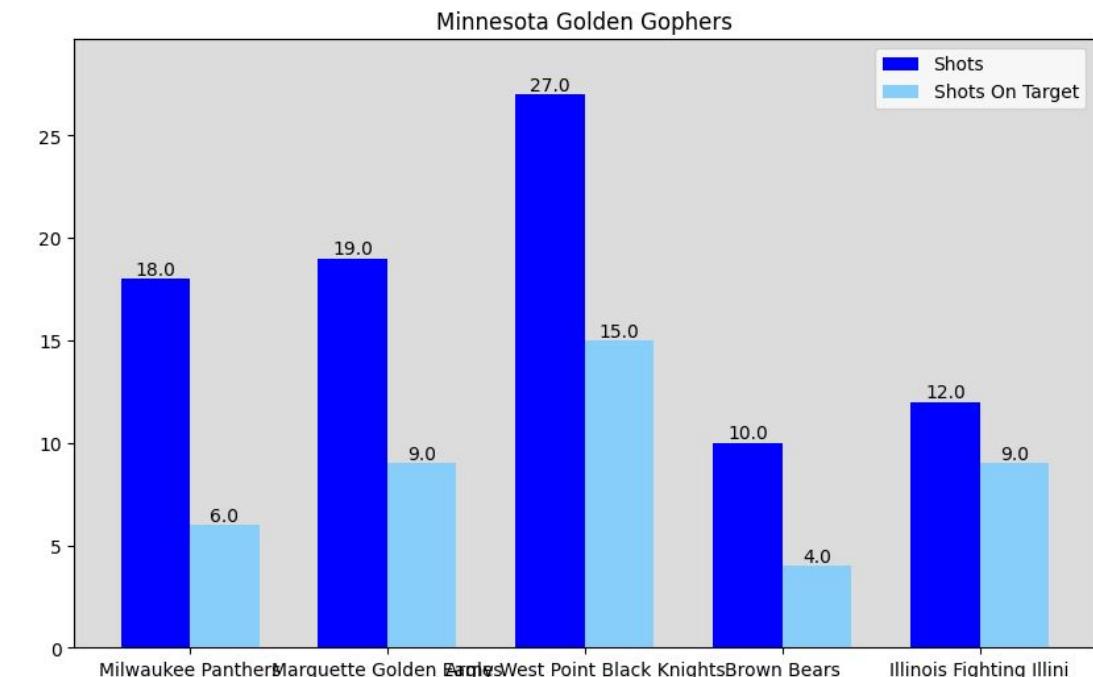
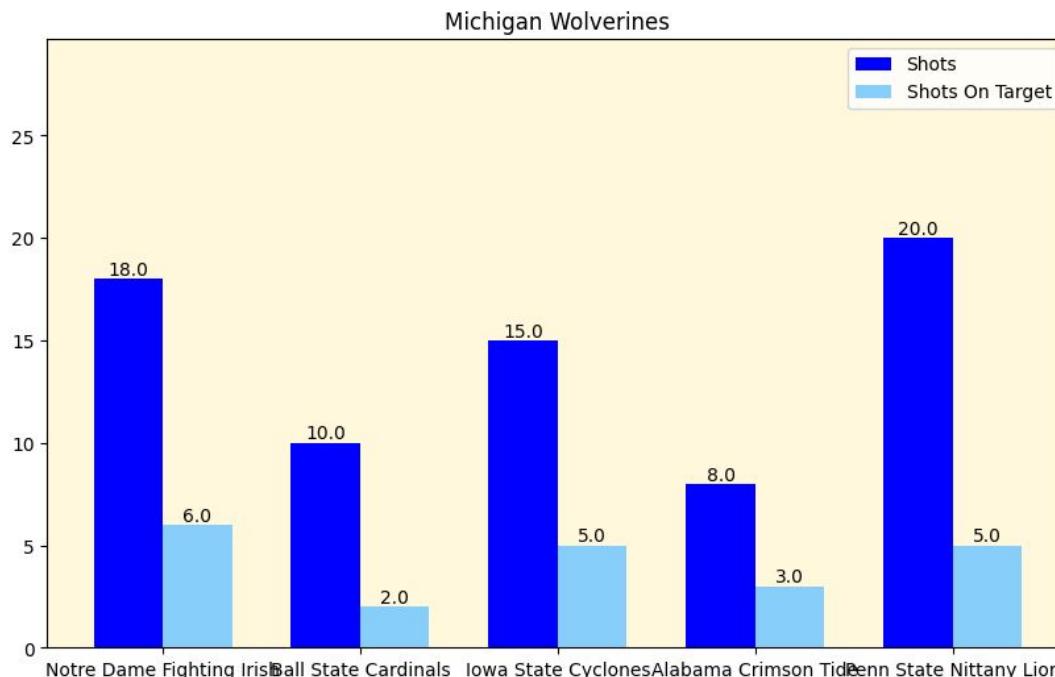


[Back to Page](#)

1

# Shots (on goal)

Last 5 Games: Shots vs Shots On Target

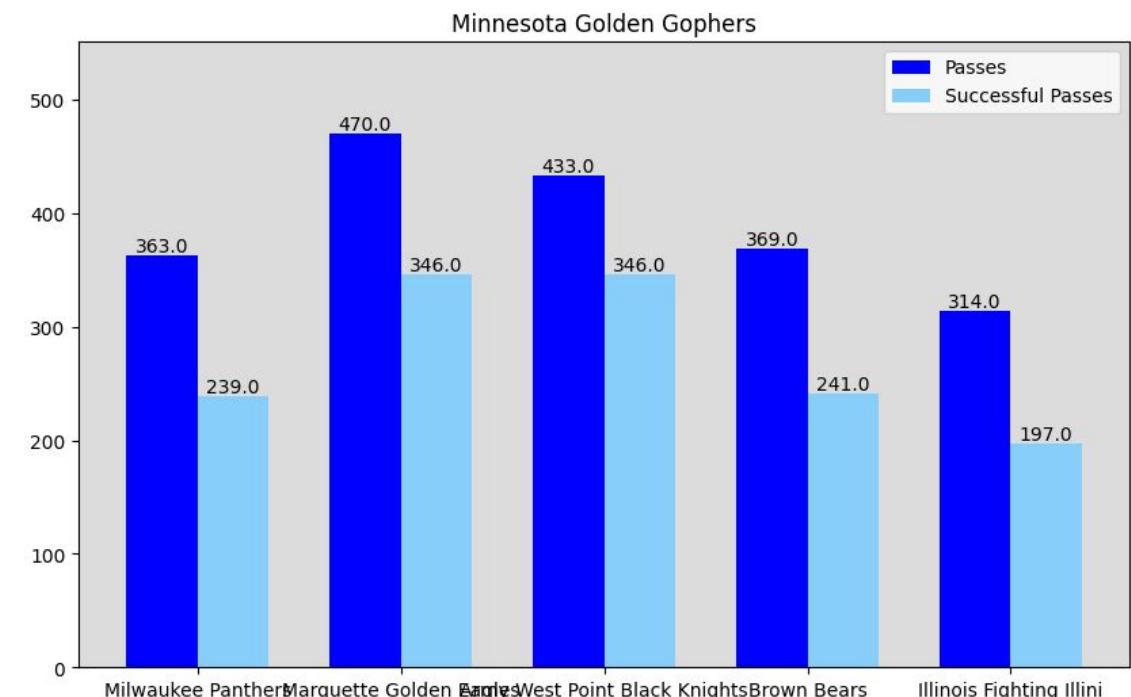
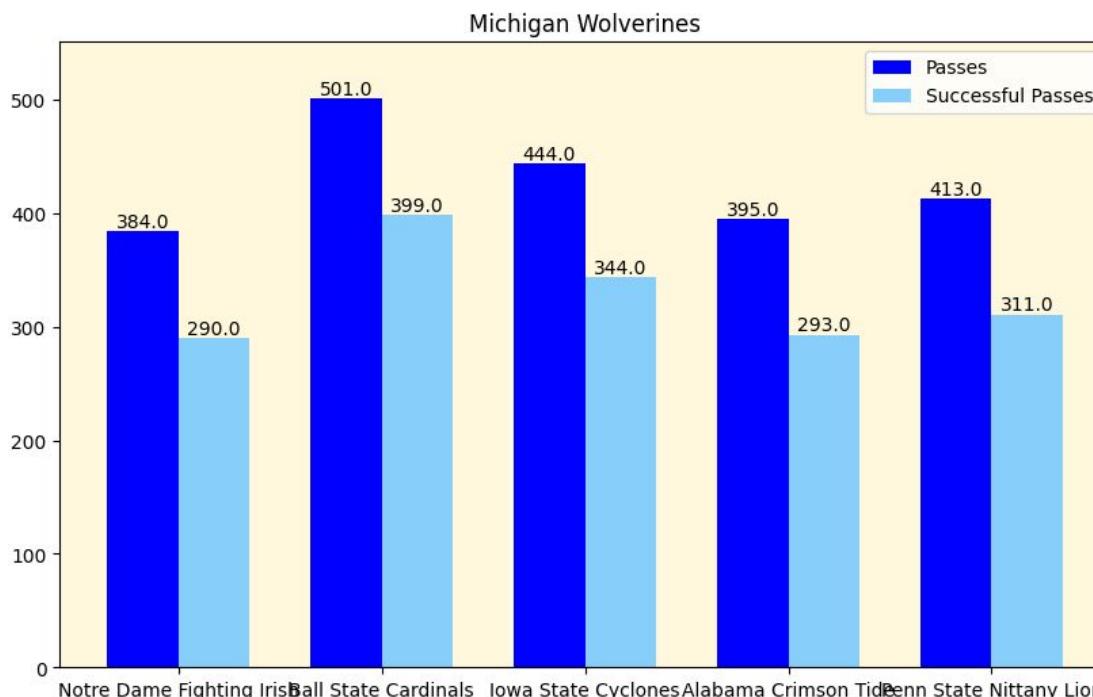


Back to Page

1

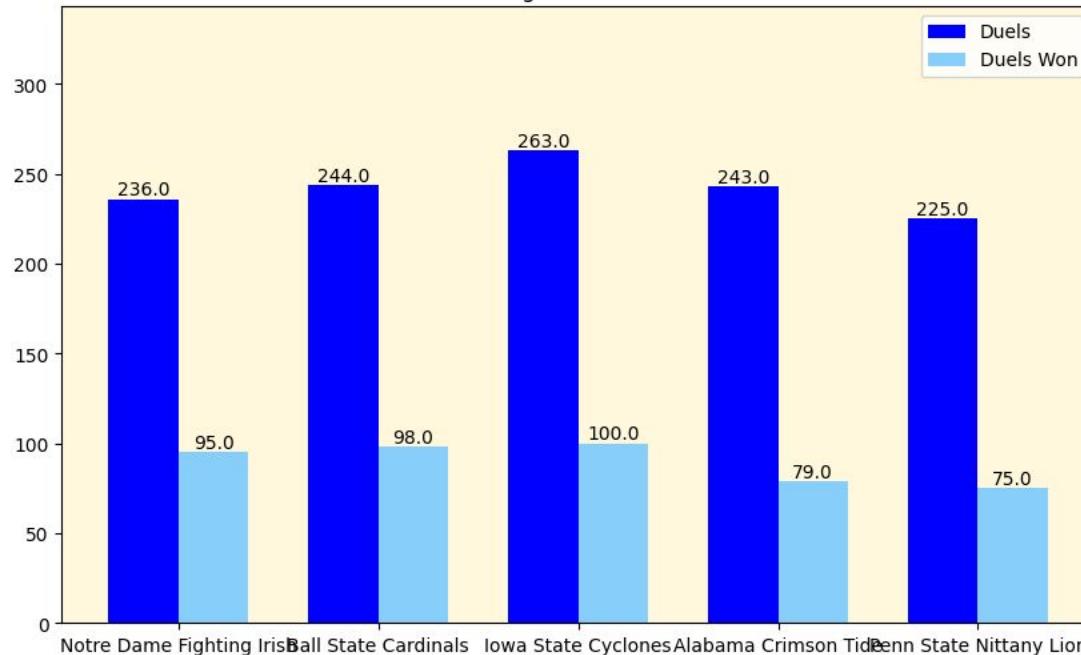
# Passes complete (accuracy %)

Last 5 Games: Passes vs Successful Passes

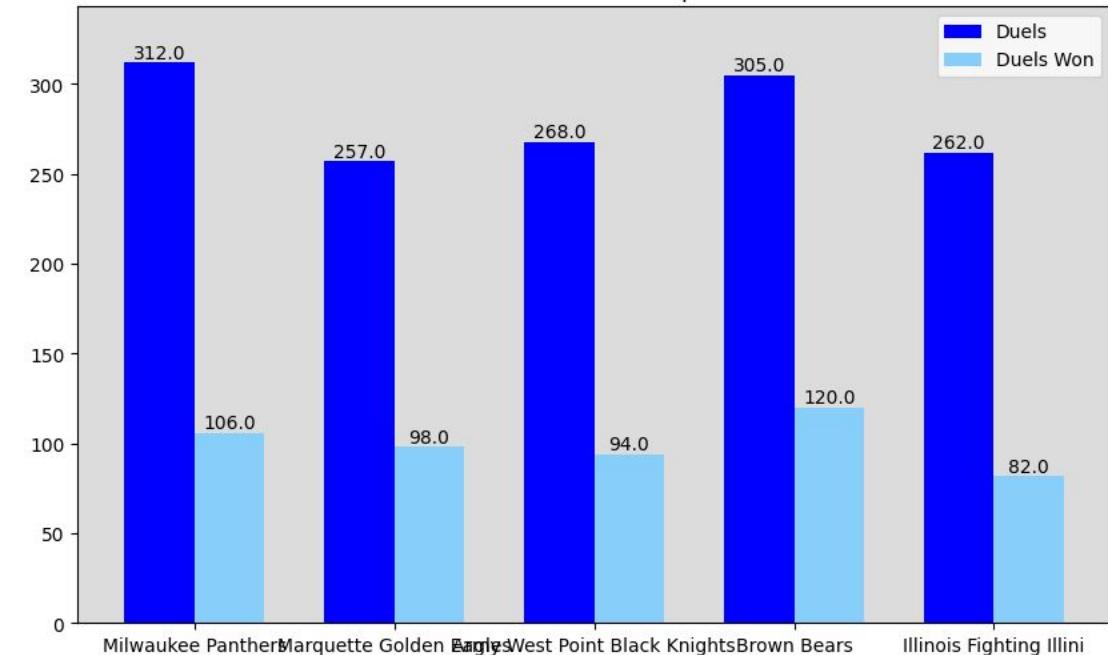


Last 5 Games: Duels vs Duels Won

## Michigan Wolverines



## Minnesota Golden Gophers

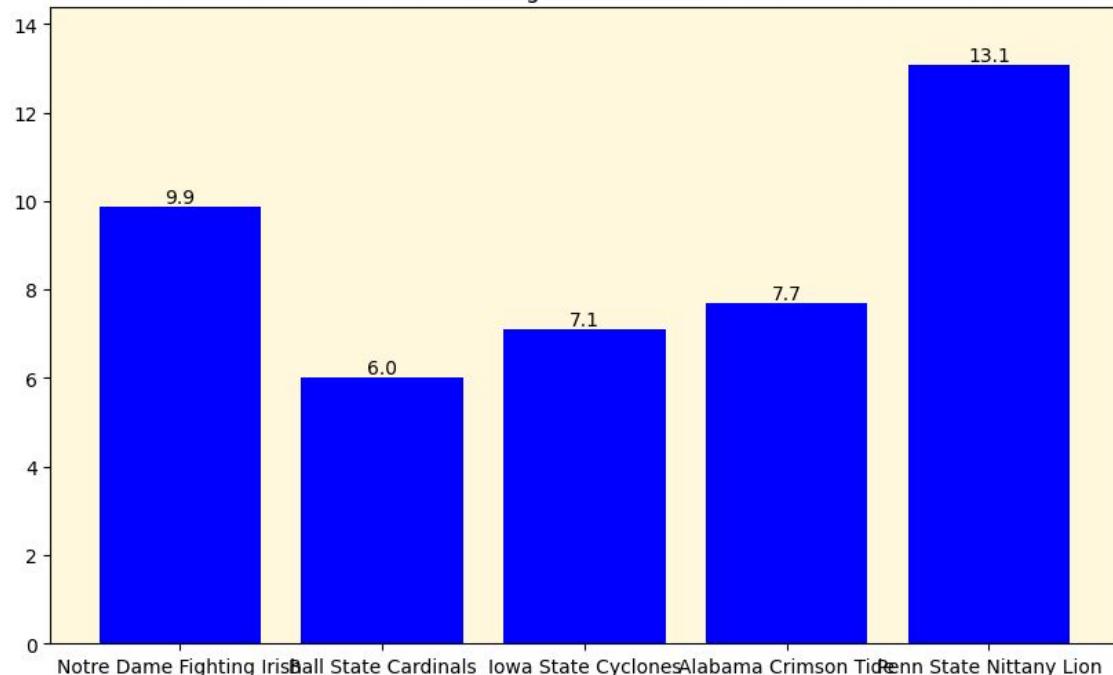


[Back to Page](#)

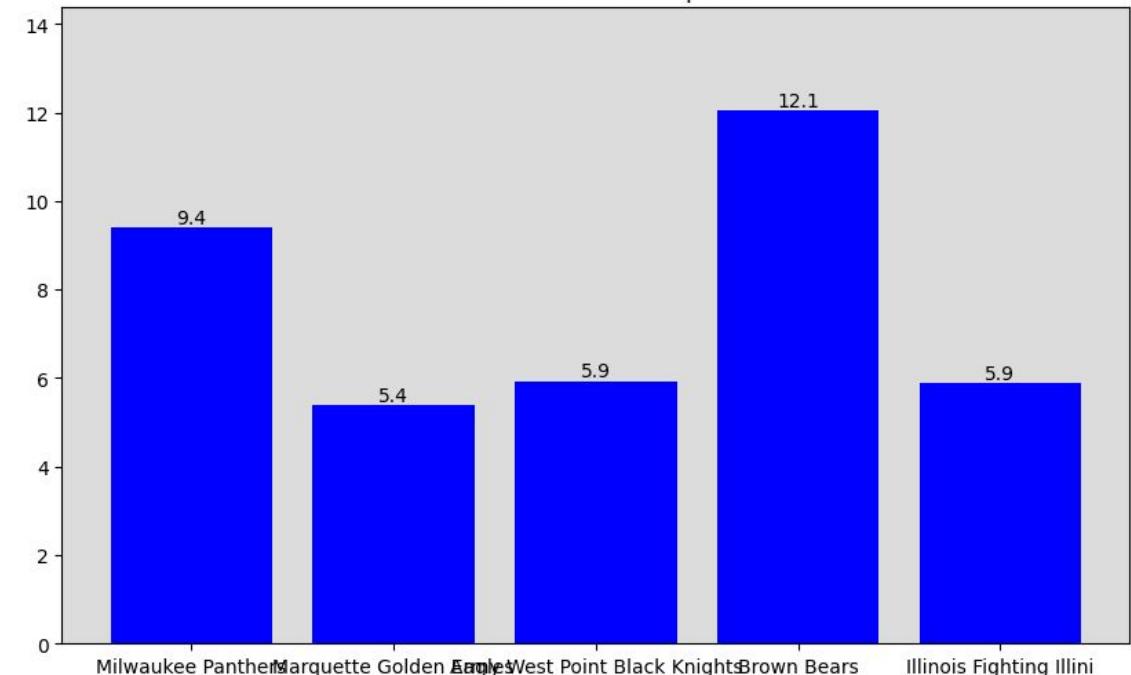
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## Last 5 Games: Ppda

Michigan Wolverines



Minnesota Golden Gophers

[Back to Page](#)

1

# Minnesota Players

[Back to Page](#)

1

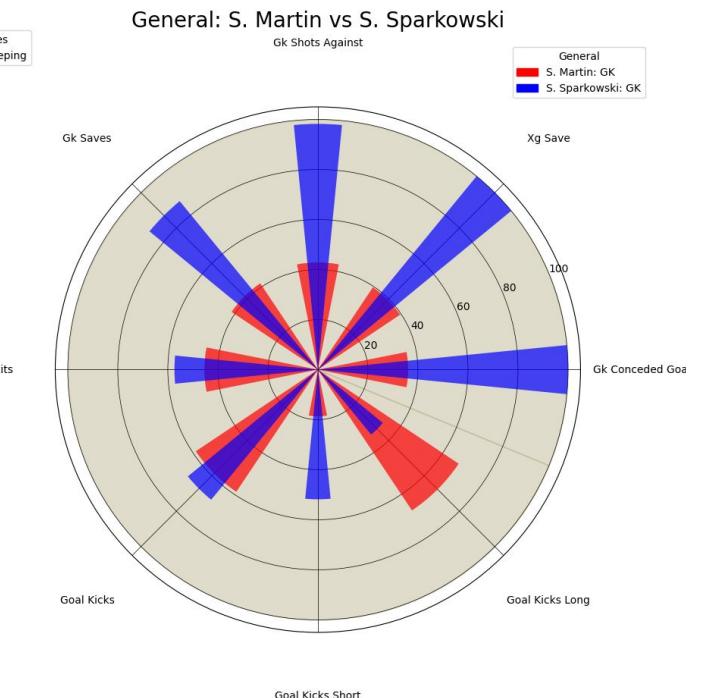
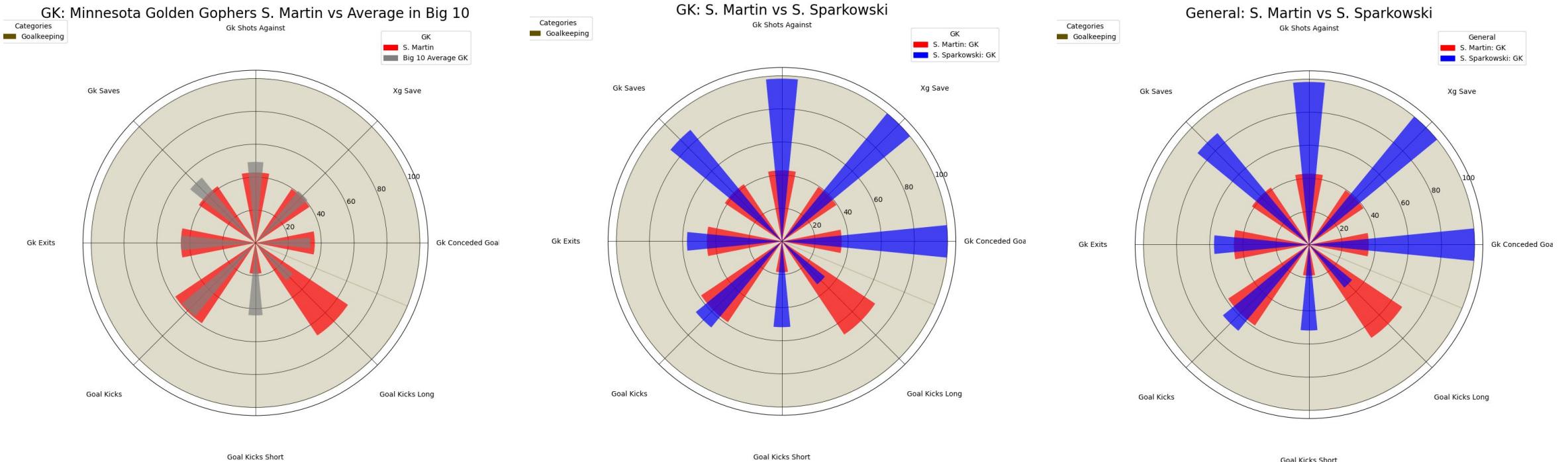
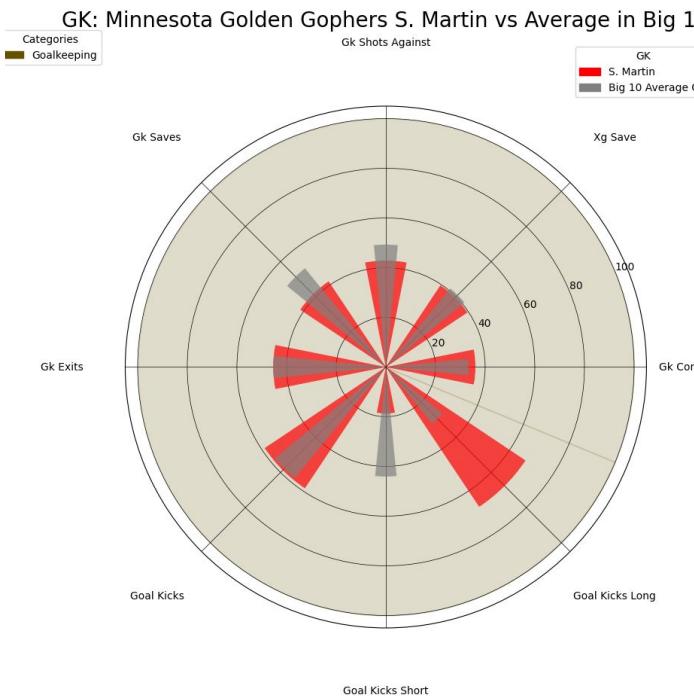
WOMEN'S SOCCER  
UNIVERSITY OF MICHIGAN

**M** | **IOE** INDUSTRIAL &  
OPERATIONS ENGINEERING  
UNIVERSITY OF MICHIGAN

# Martin #0



Position(s): GK  
Average Minutes: 90



Back to Page

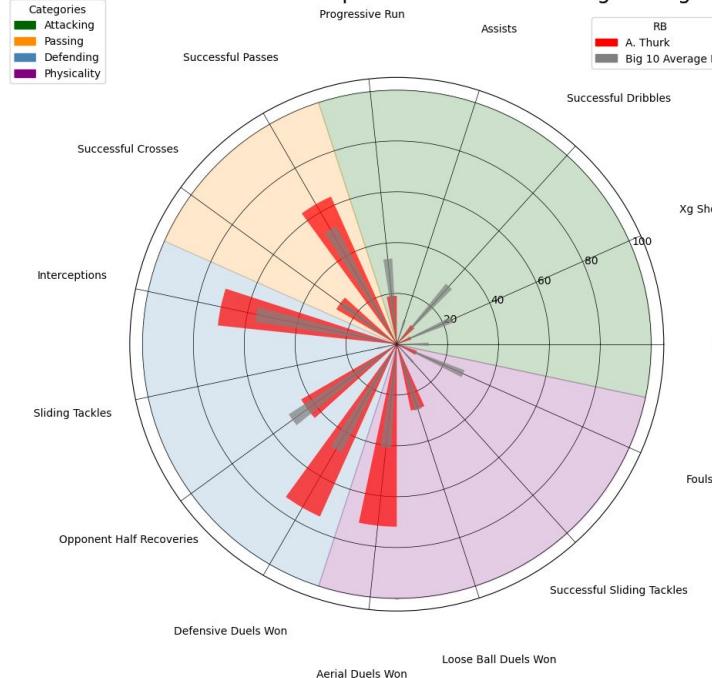
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# Thurk #16

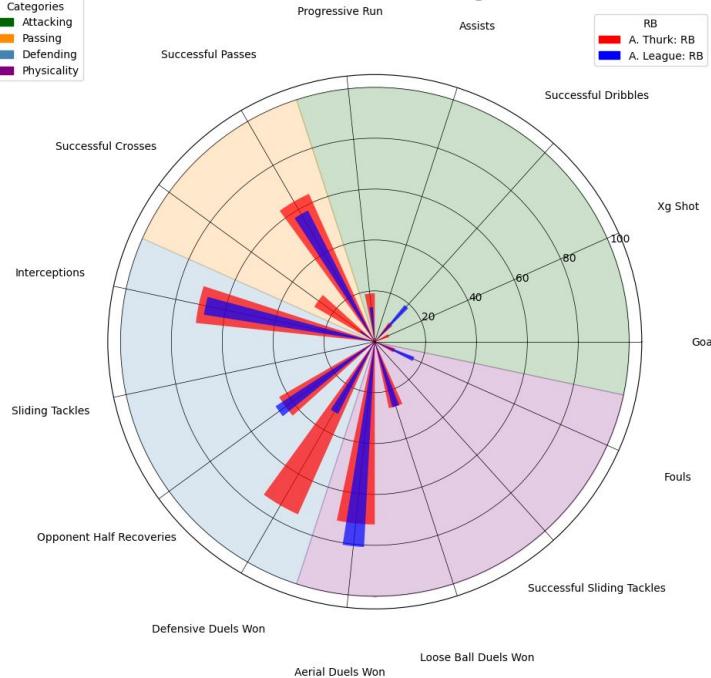


Position(s): RB  
Average Minutes: 90

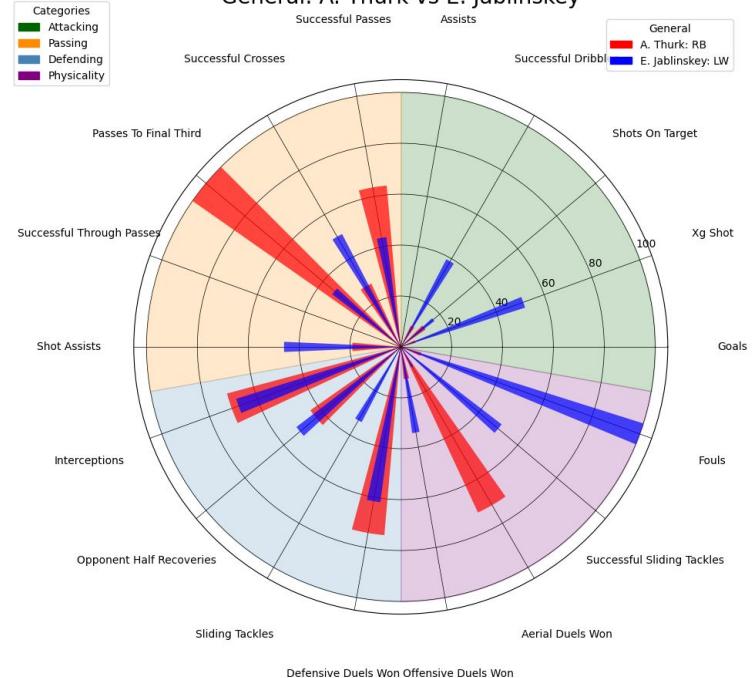
RB: Minnesota Golden Gophers A. Thurk vs Average in Big 10



RB: A. Thurk vs A. League



General: A. Thurk vs E. Jablinsky

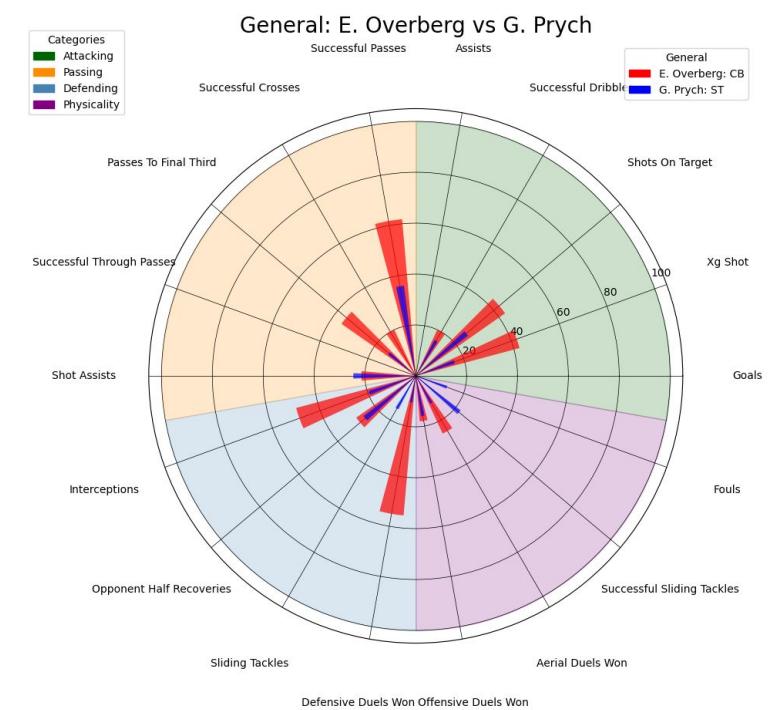
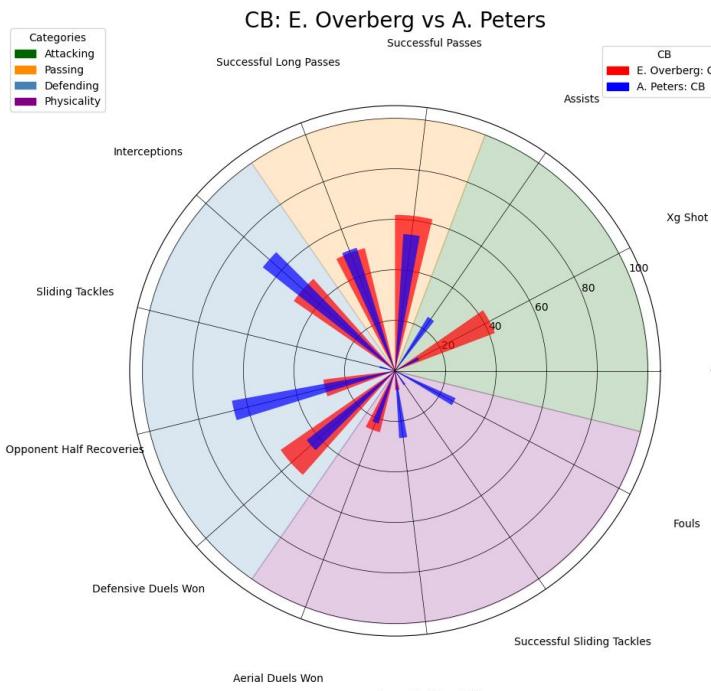
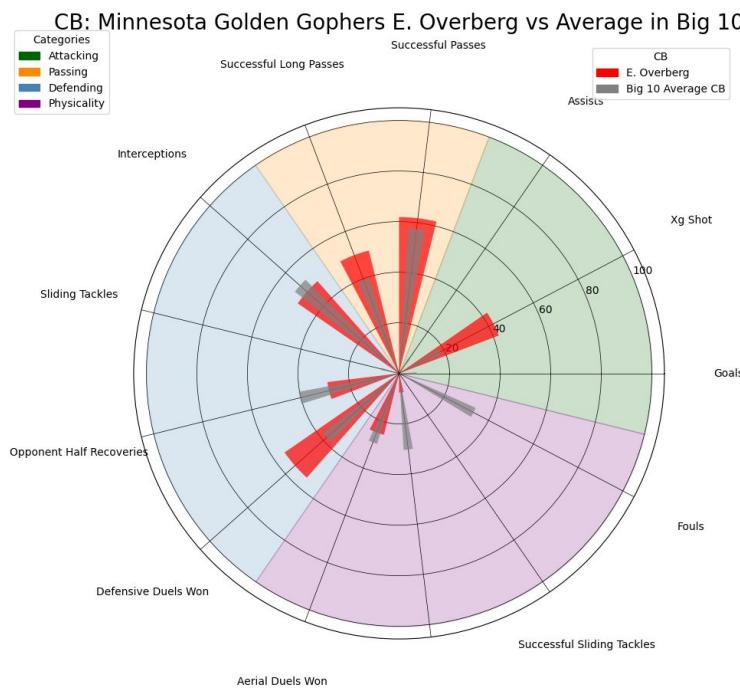


[Back to Page](#)

# Overberg #18



Position(s): CB  
Average Minutes: 90



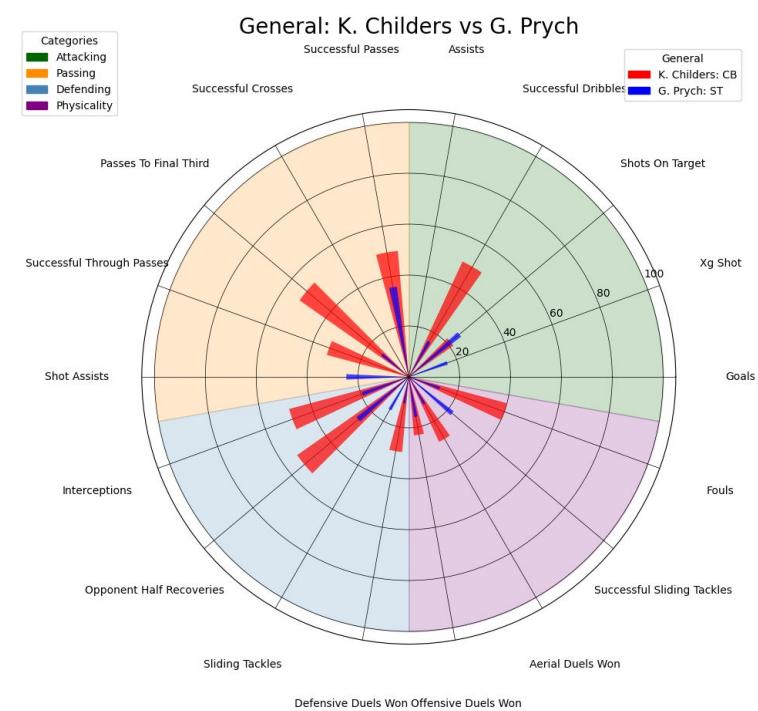
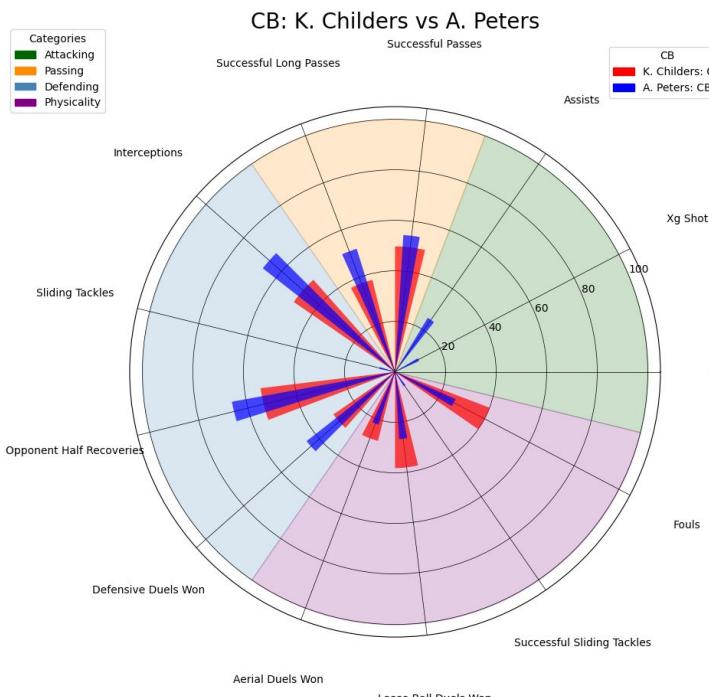
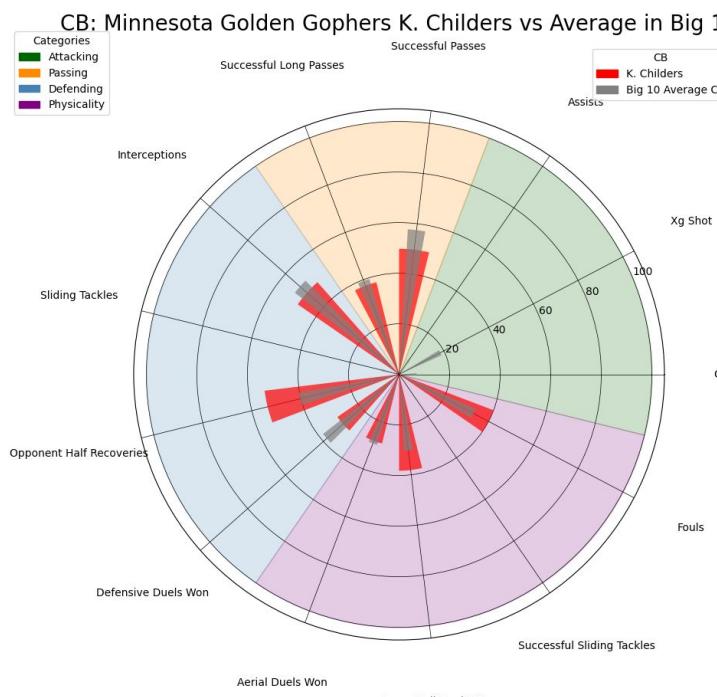
[Back to Page](#)

1

# Childers #3



Position(s): LCB  
Average Minutes: 90

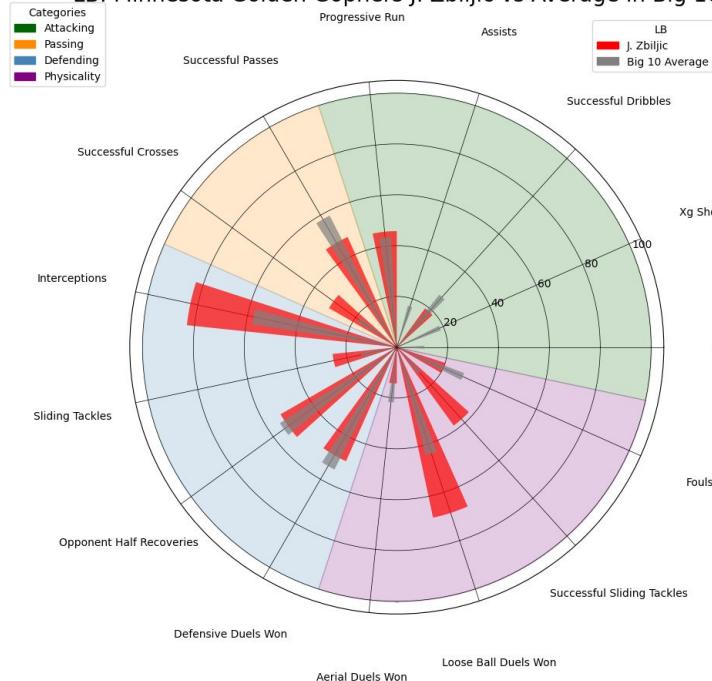


Back to Page

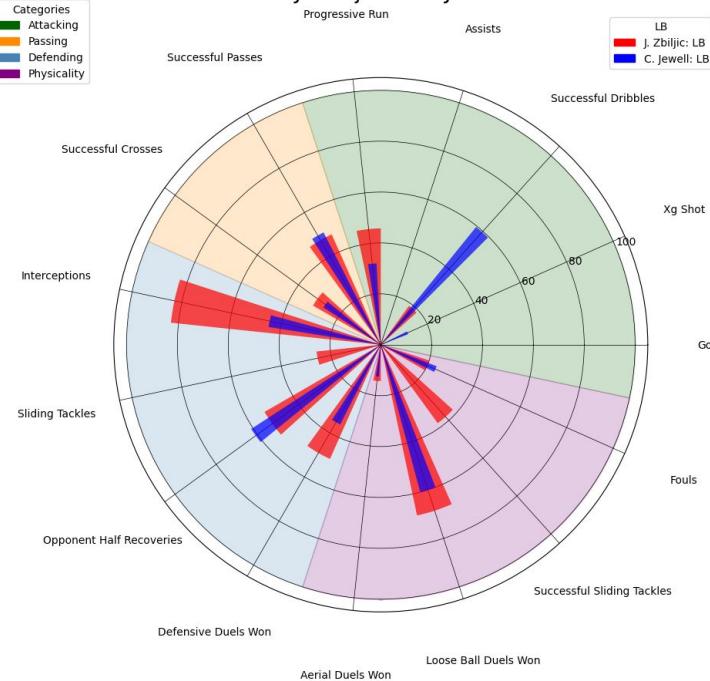


Position(s): LB  
Average Minutes: 90

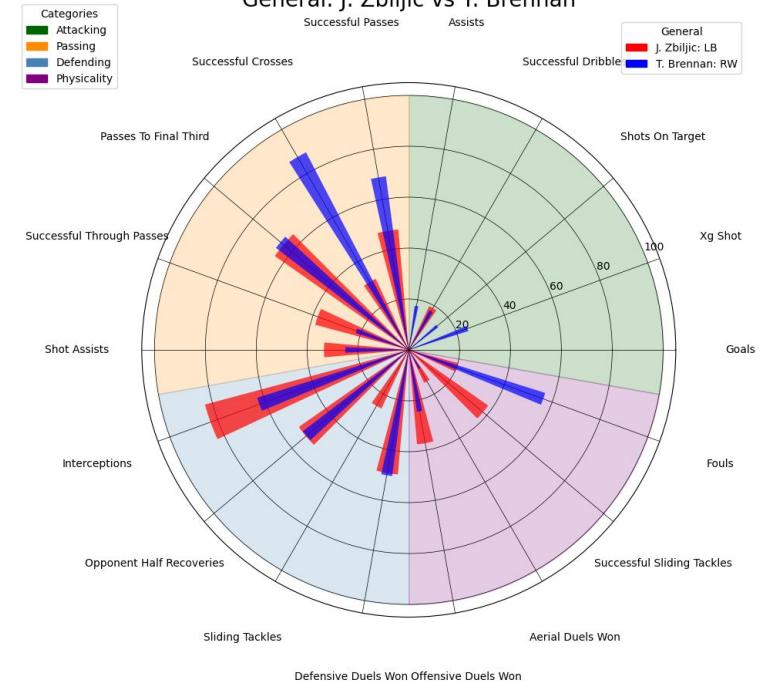
LB: Minnesota Golden Gophers J. Zbiljic vs Average in Big 10



LB: J. Zbiljic vs C. Jewell



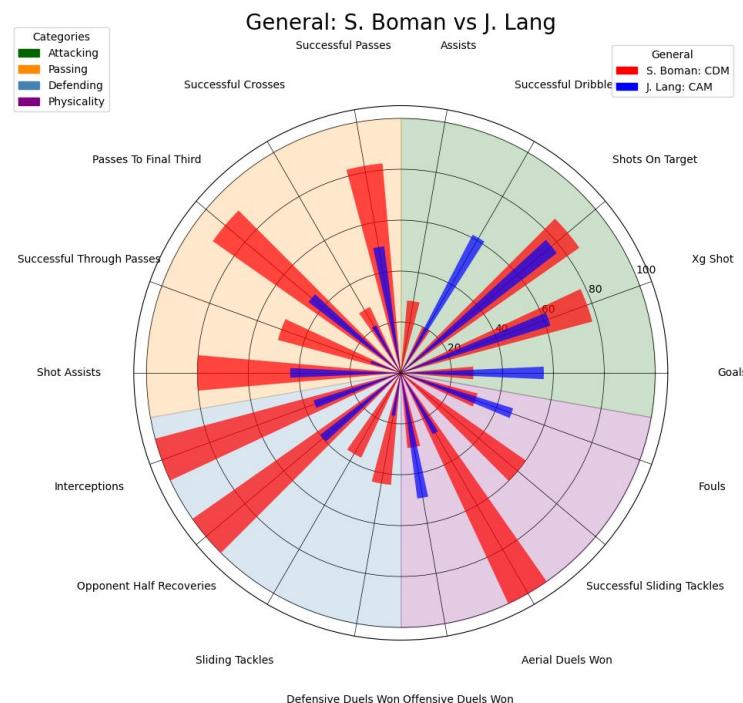
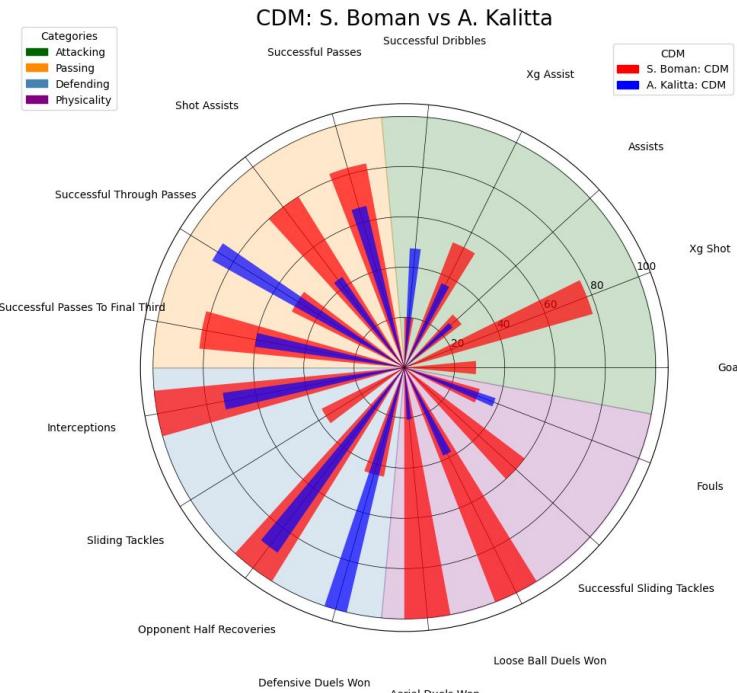
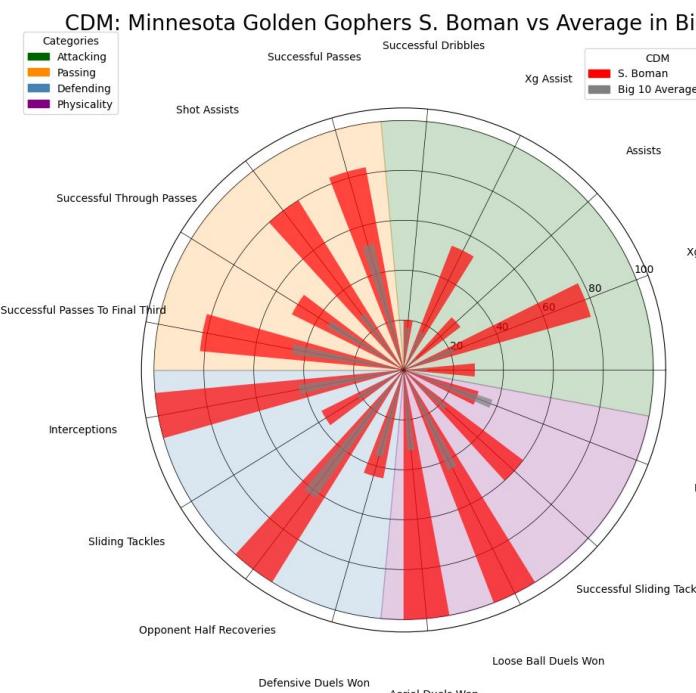
General: J. Zbiljic vs T. Brennan



Boman #9



Position(s): CM  
Average Minutes: 90

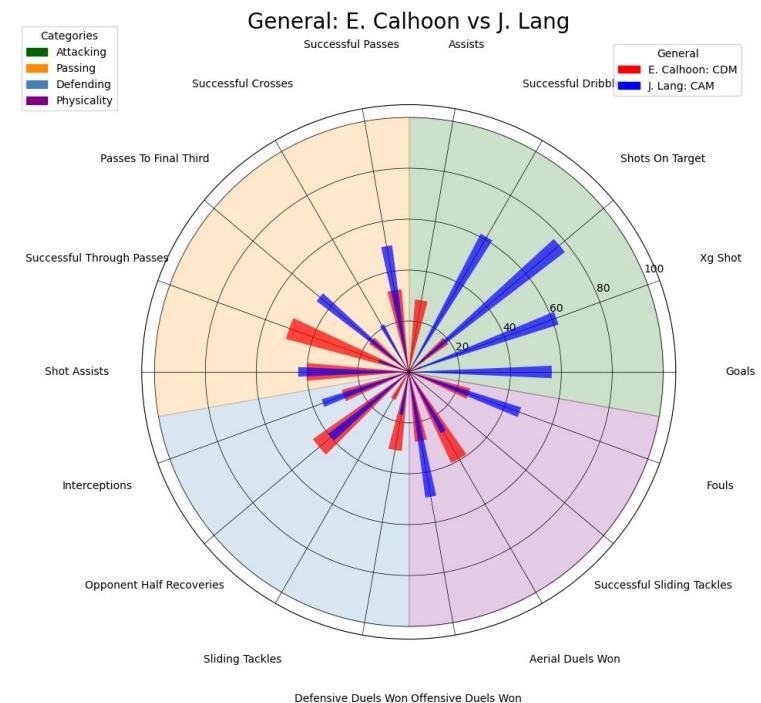
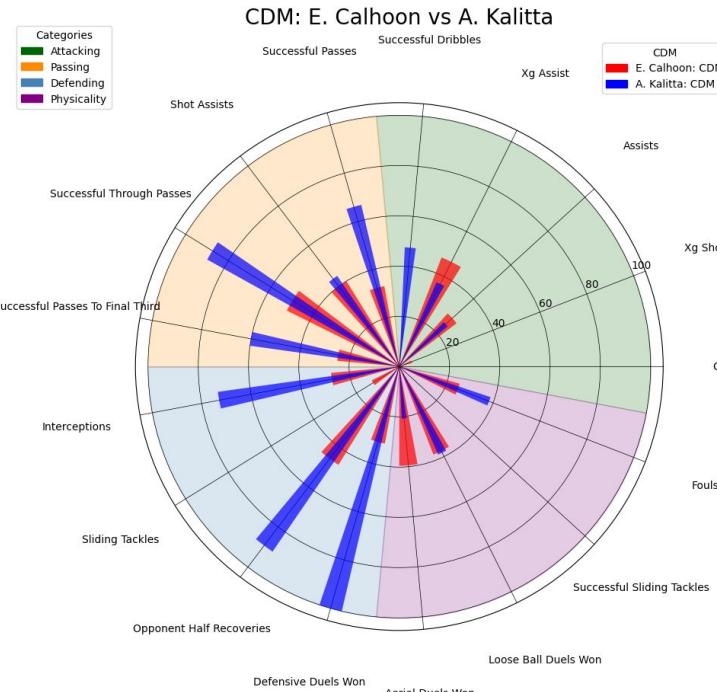
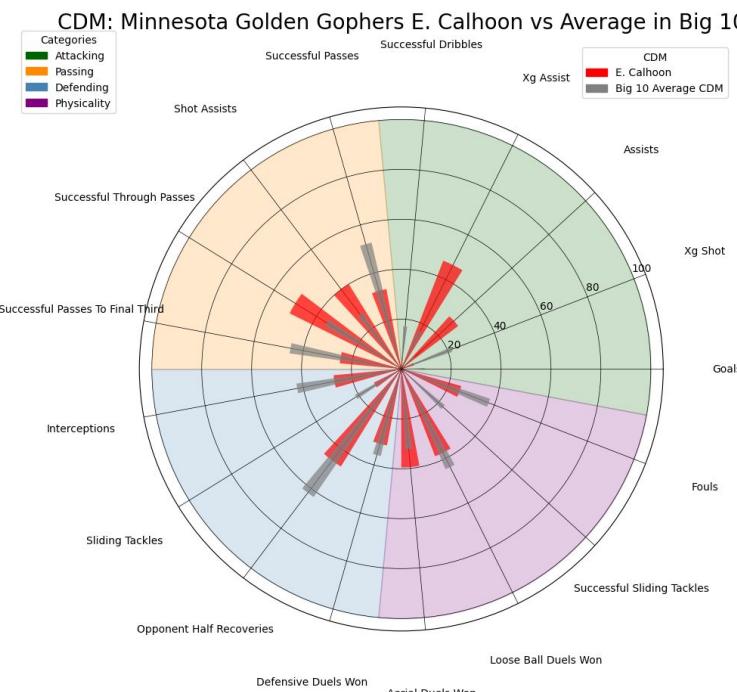


[Back to Page](#)

# Calhoon #25



Position(s): CM  
Average Minutes: 67



[Back to Page](#)

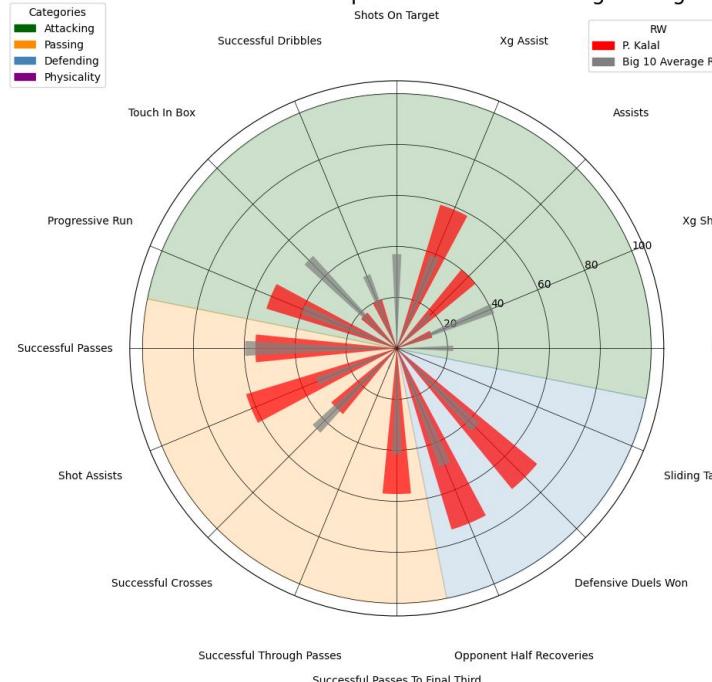
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# Kalal #5

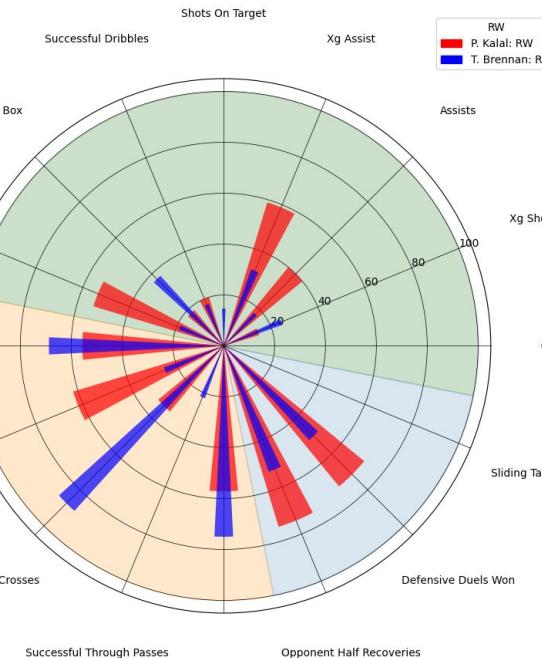


Position(s): RW / CAM  
Average Minutes: 62

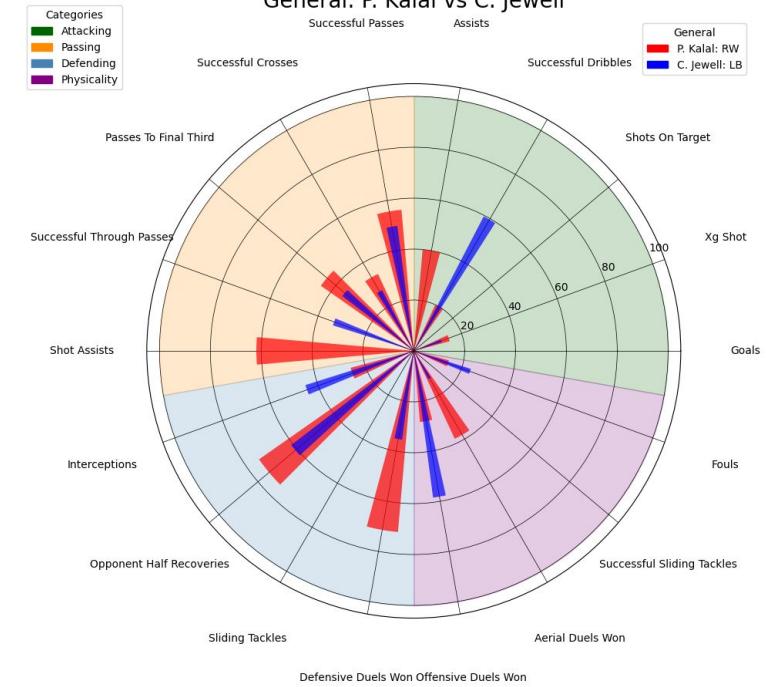
RW: Minnesota Golden Gophers P. Kalal vs Average in Big 10



RW: P. Kalal vs T. Brennan



General: P. Kalal vs C. Jewell

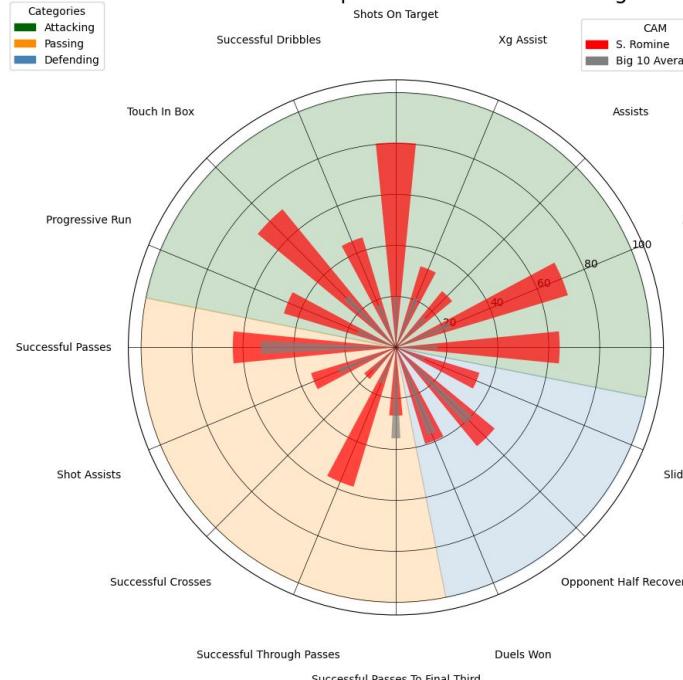


# Romine #8

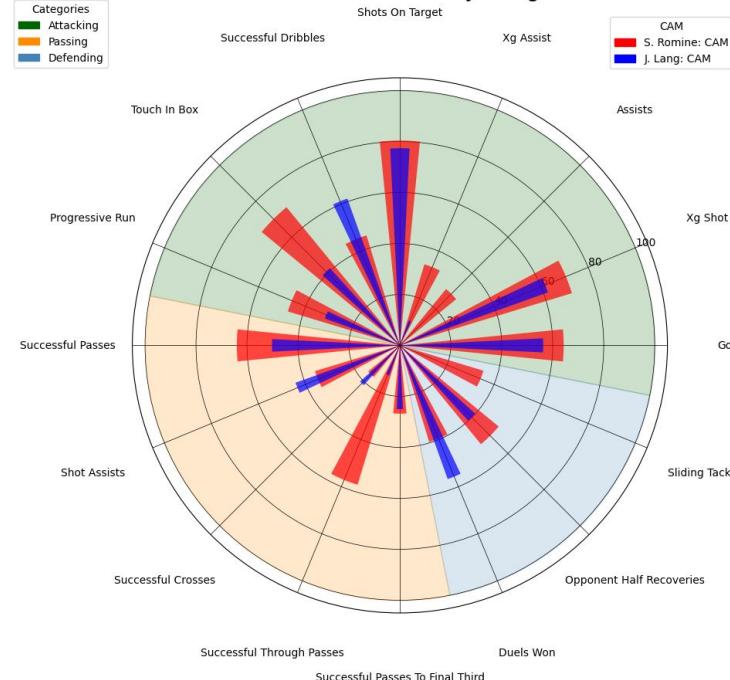


Position(s): CAM / CM  
Average Minutes: 80

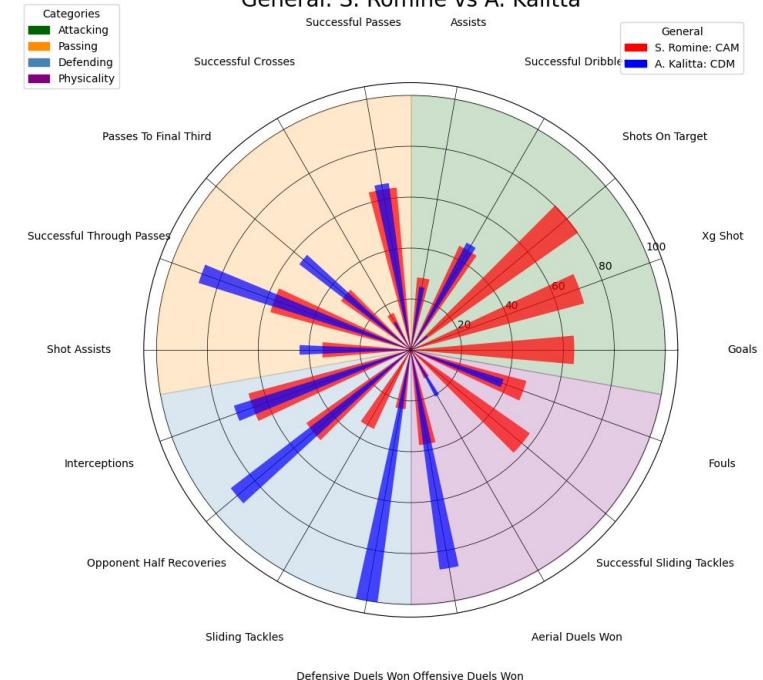
CAM: Minnesota Golden Gophers S. Romine vs Average in Big 10



CAM: S. Romine vs J. Lang

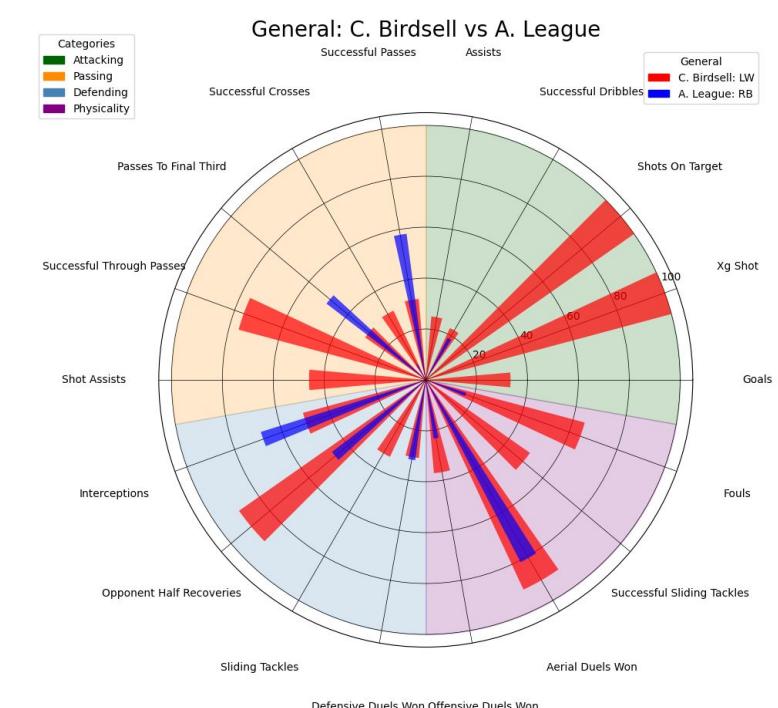
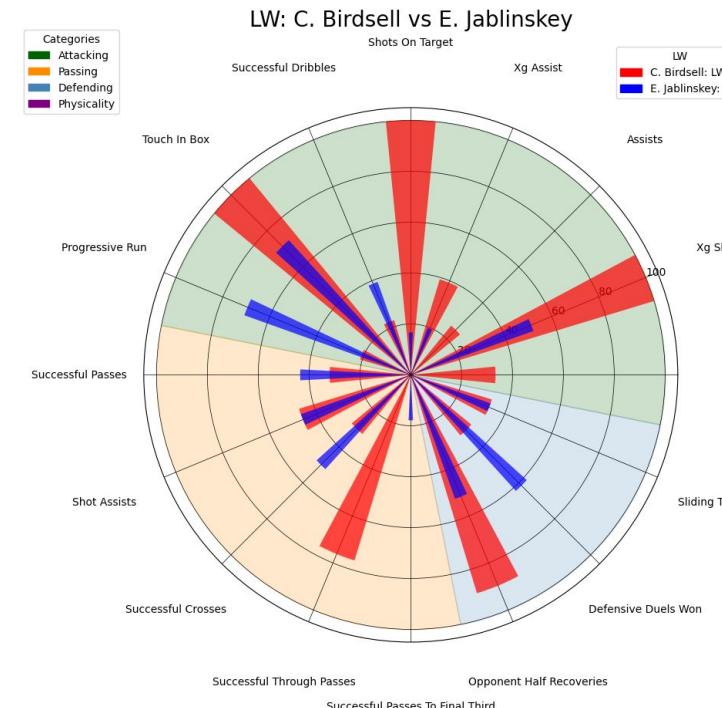
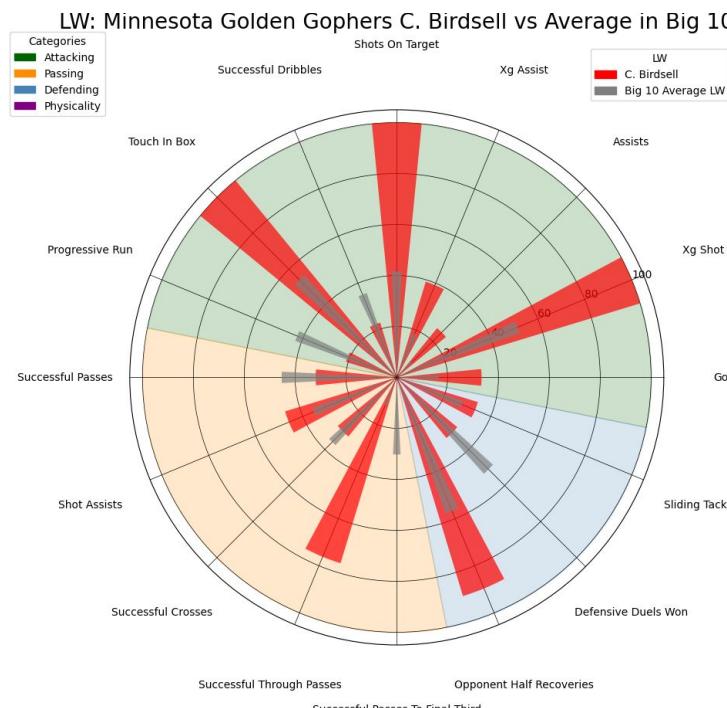


General: S. Romine vs A. Kalitta





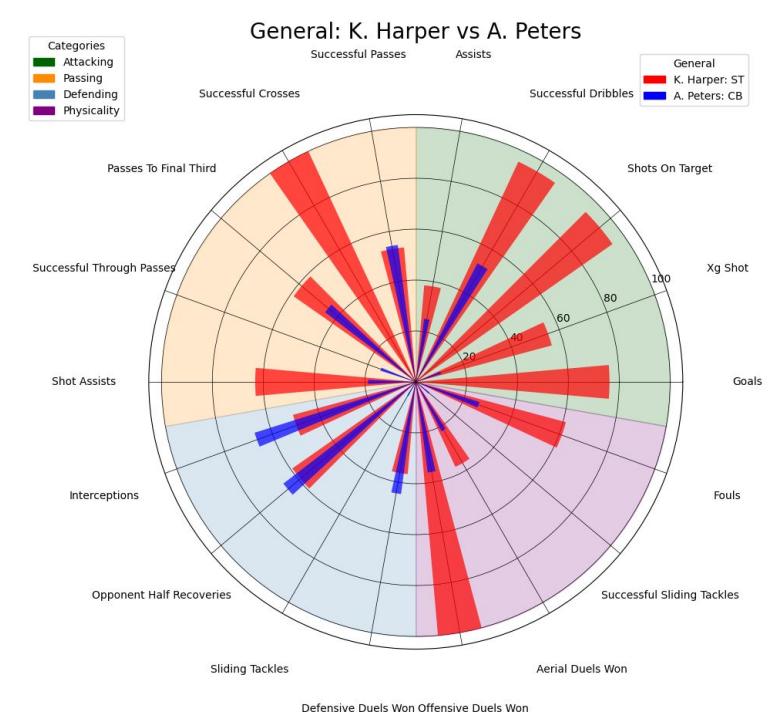
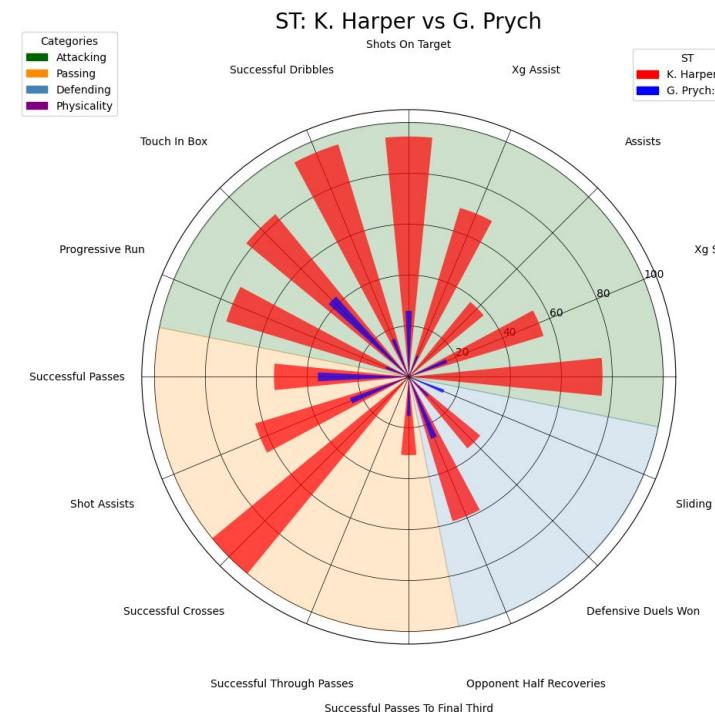
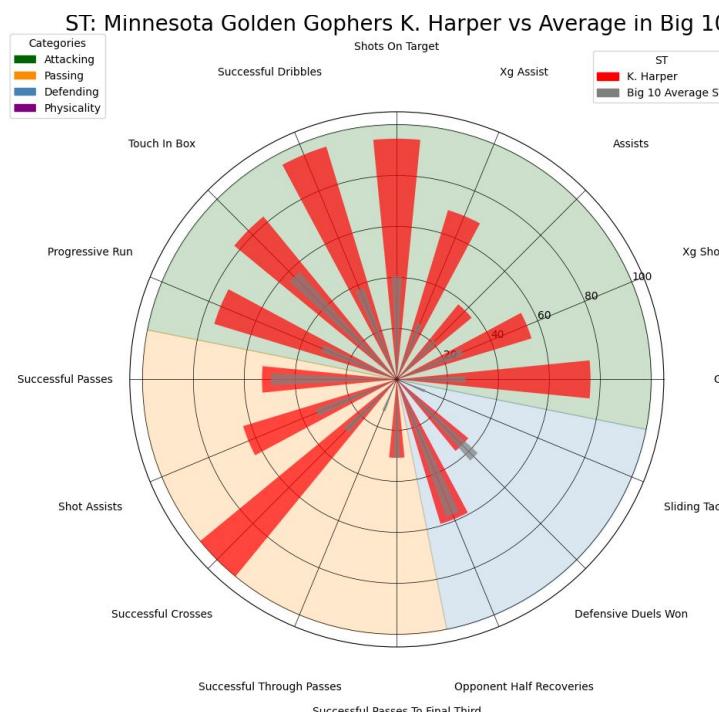
Position(s): LW / ST  
Average Minutes: 76



# Harper #34



Position(s): ST  
Average Minutes: 90



[Back to Page](#)

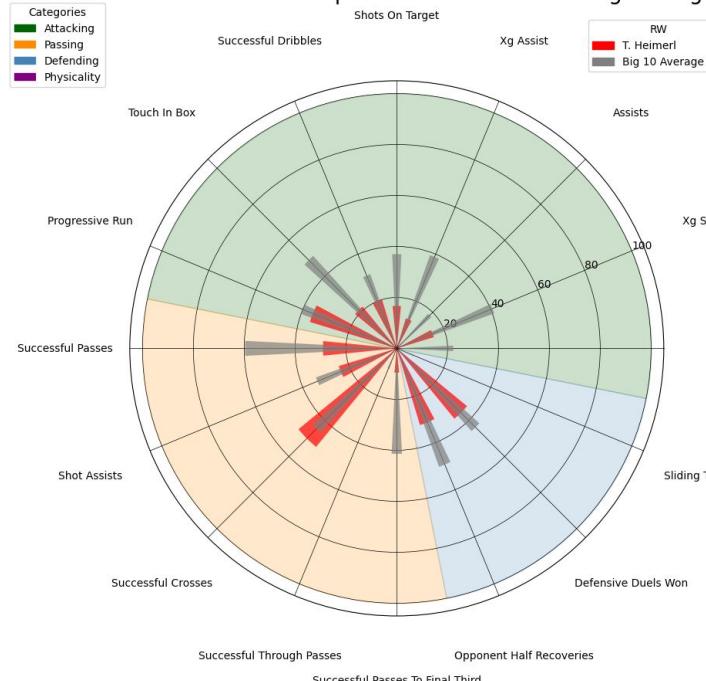
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# Heimerl #4

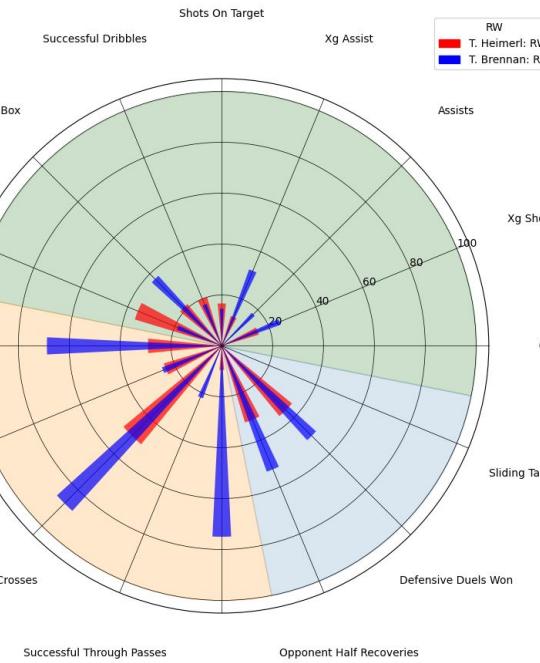


Position(s): RW / CAM  
Average Minutes: 48

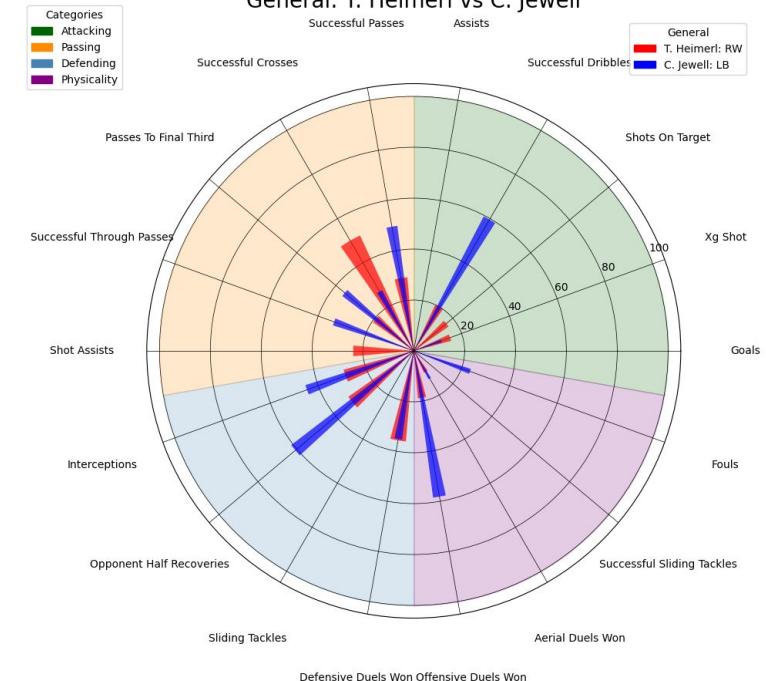
RW: Minnesota Golden Gophers T. Heimerl vs Average in Big 10



RW: T. Heimerl vs T. Brennan



General: T. Heimerl vs C. Jewell



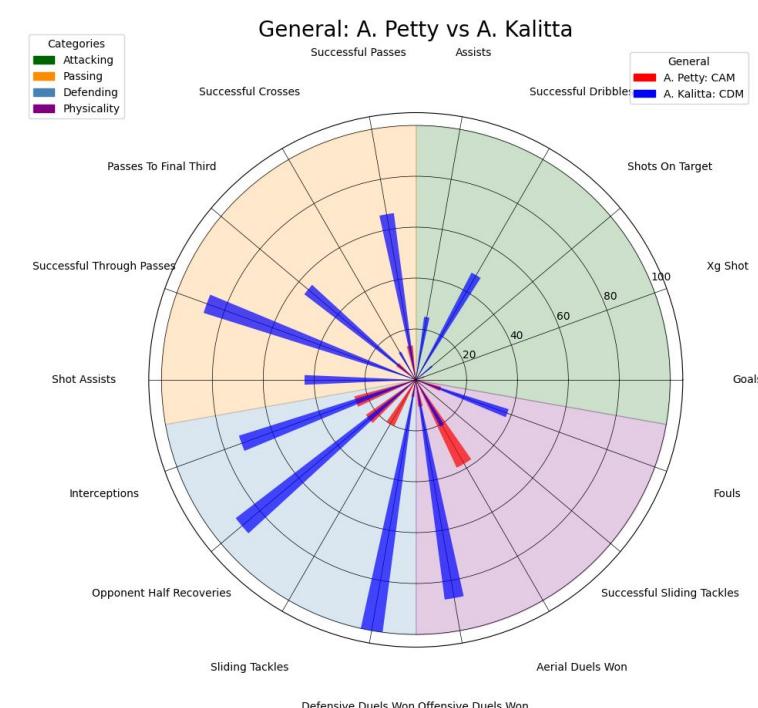
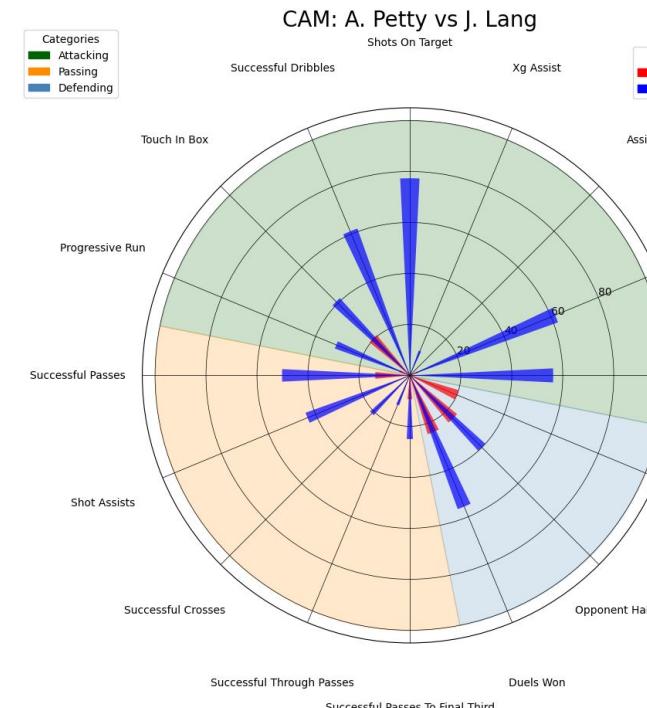
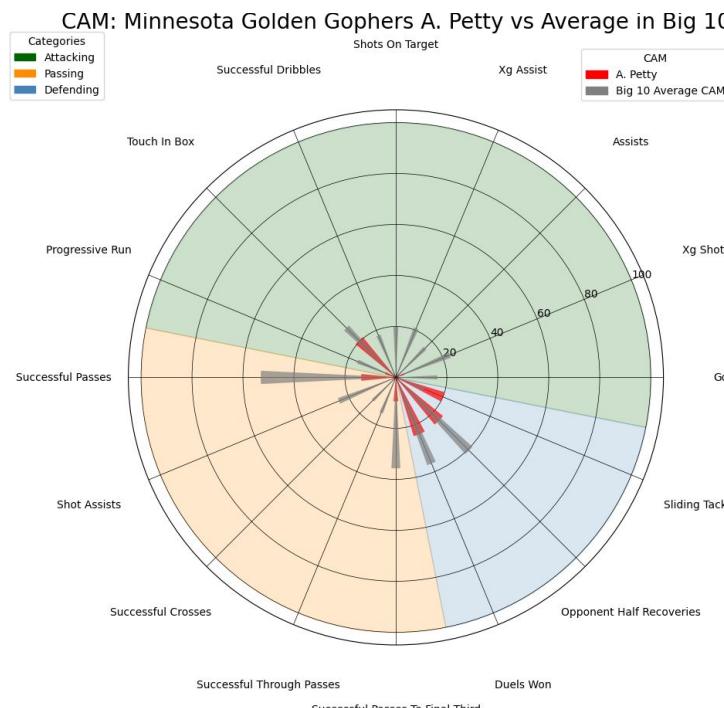
[Back to Page](#)

1

# Petty #28



Position(s): CF / AMF  
Average Minutes: 30



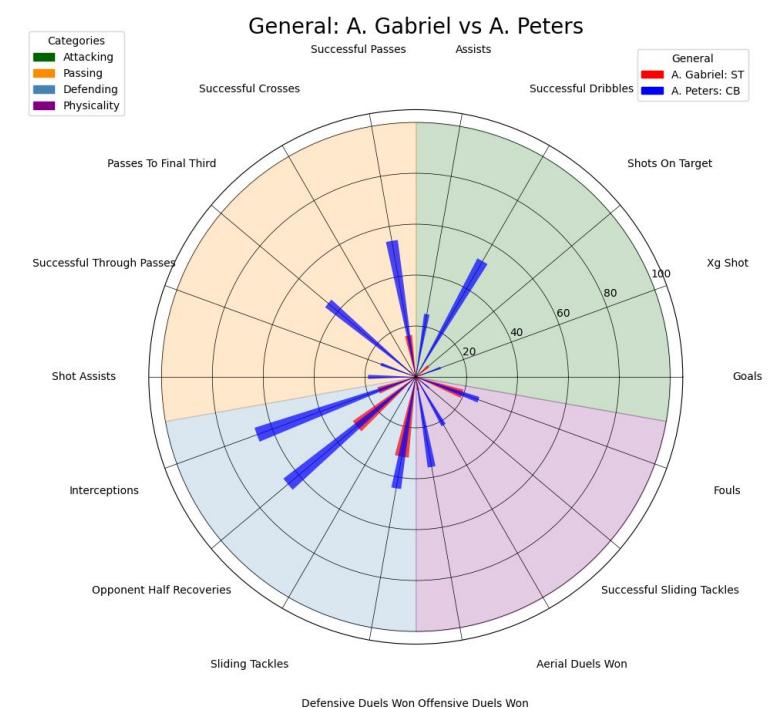
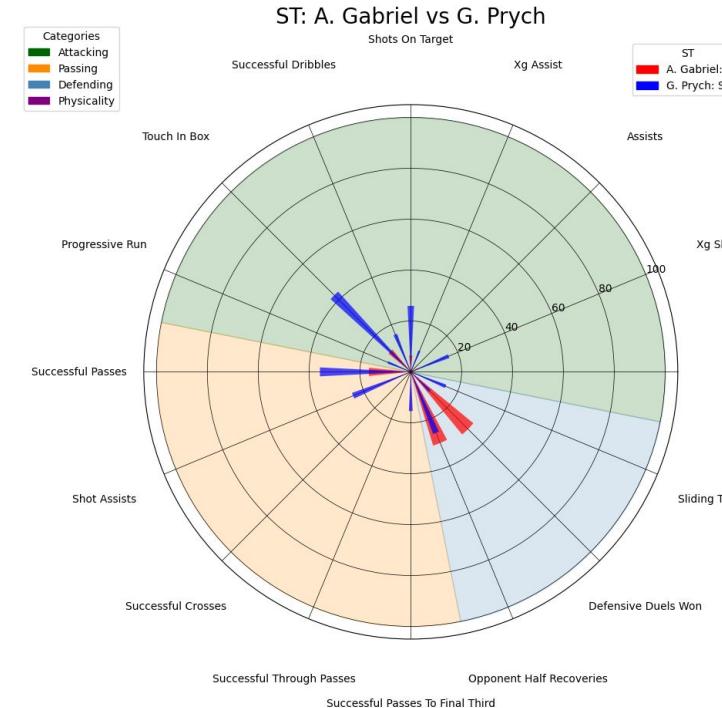
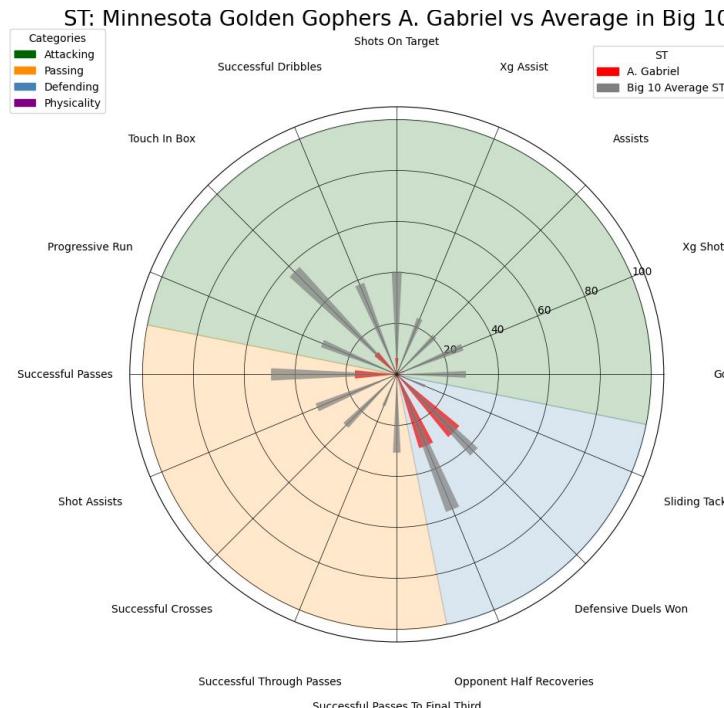
[Back to Page](#)

1

# Gabriel #11



Position(s): LW / ST  
Average Minutes: 26



Back to Page

1

# Michigan Players

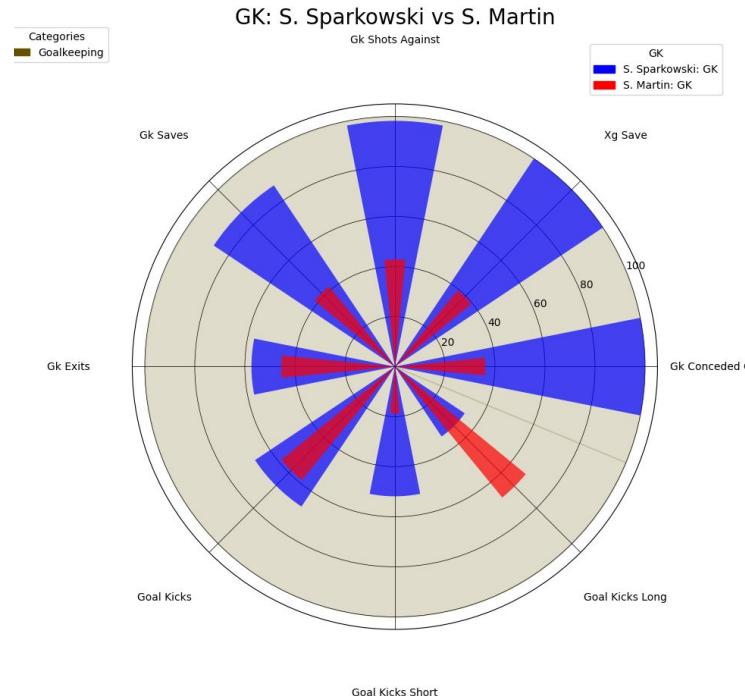
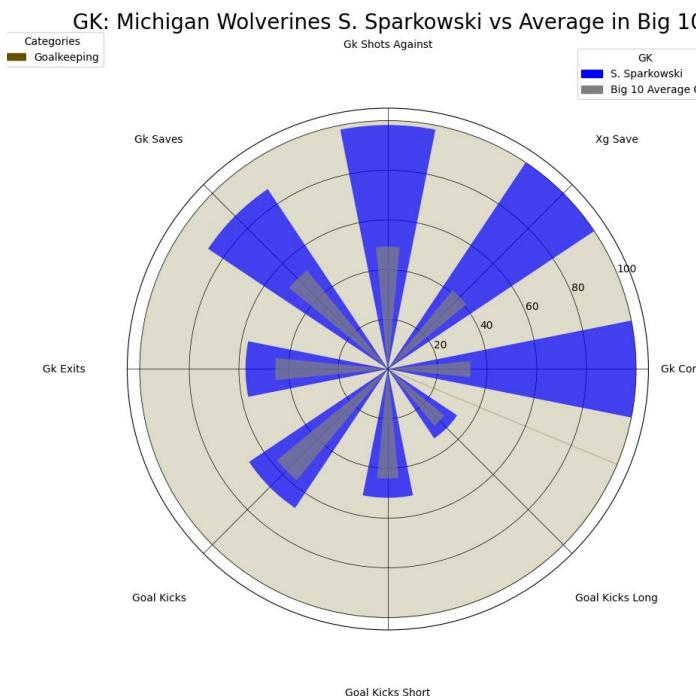
[Back to Page](#)

1

WOMEN'S SOCCER  
UNIVERSITY OF MICHIGAN

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OPERATIONS ENGINEERING  
UNIVERSITY OF MICHIGAN

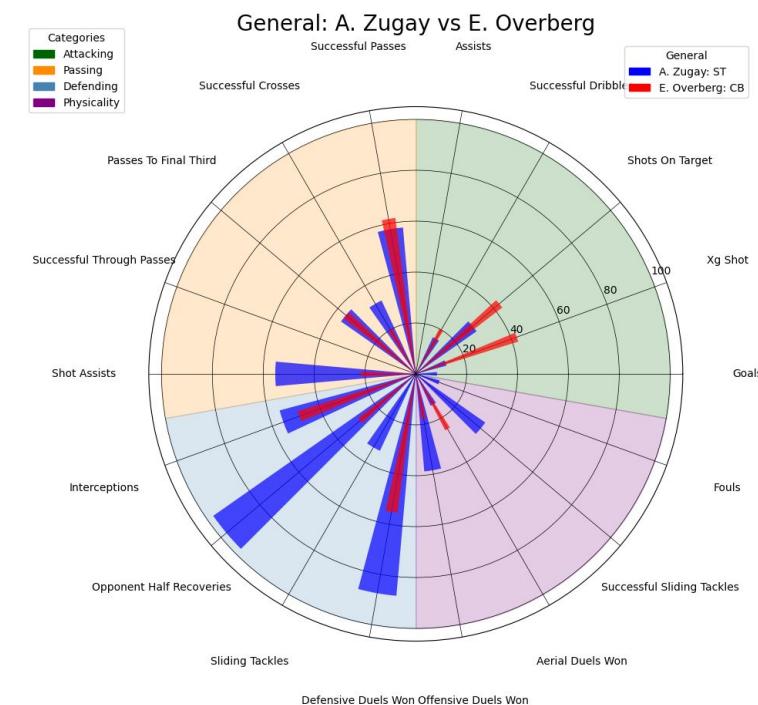
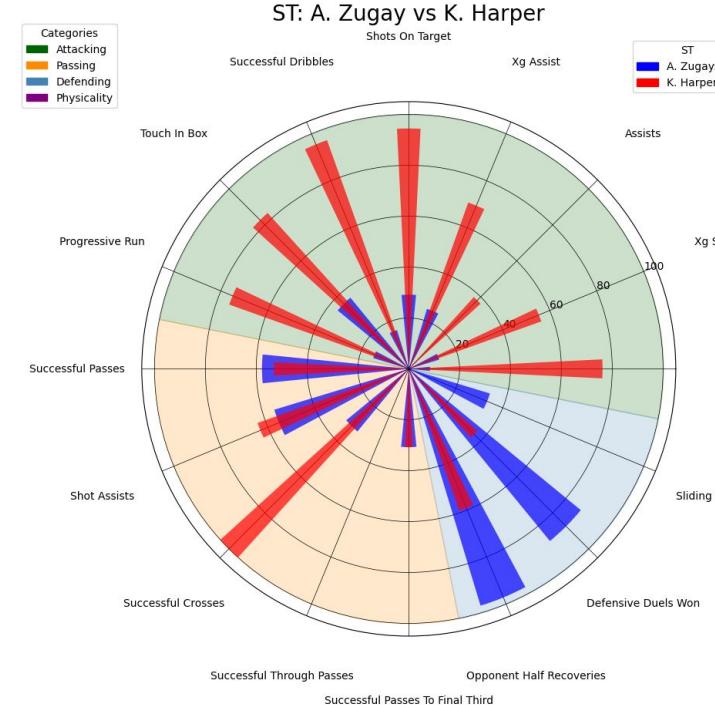
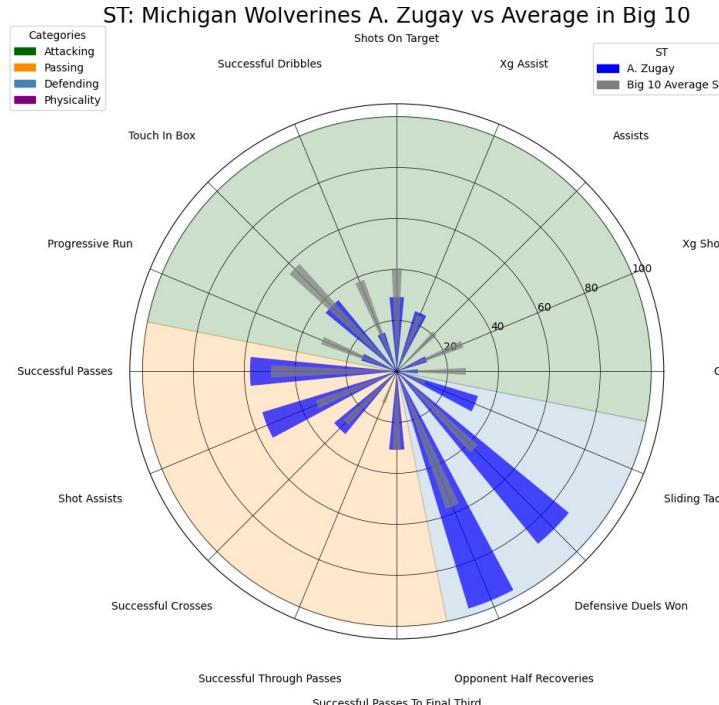
# Sparkowski #00



[Back to Page](#)

1

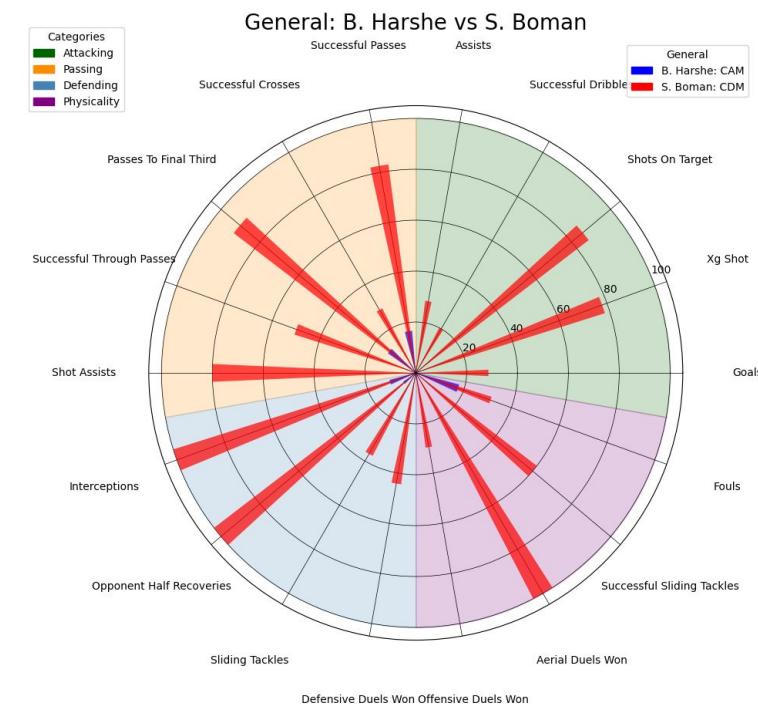
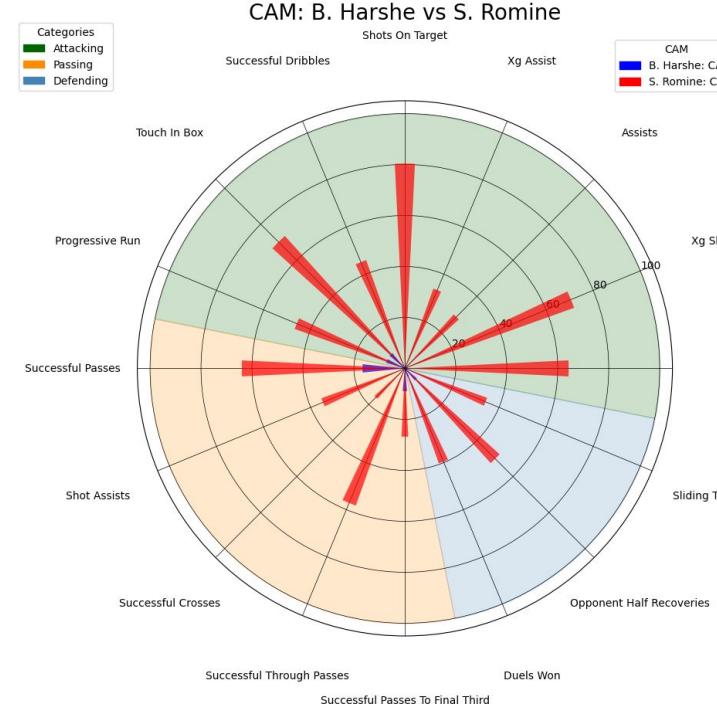
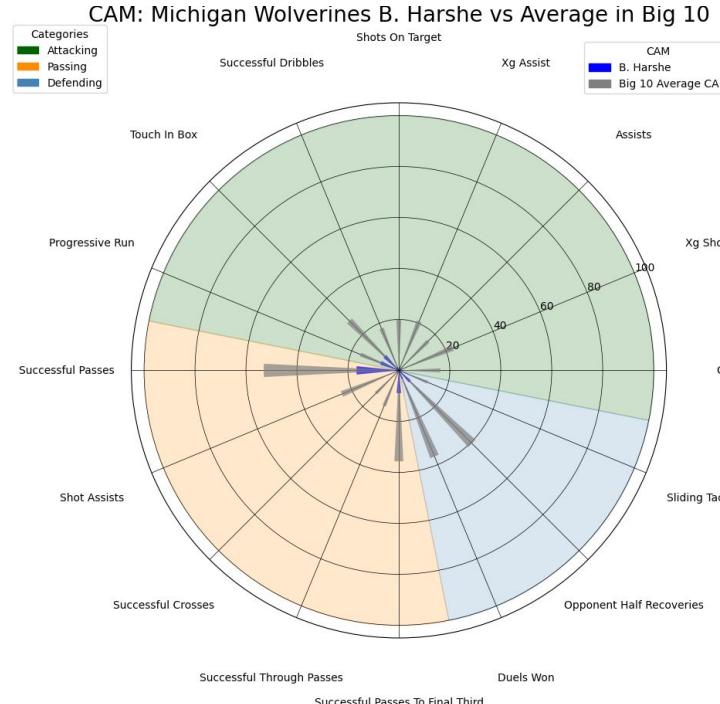
# Zugay #2



[Back to Page](#)

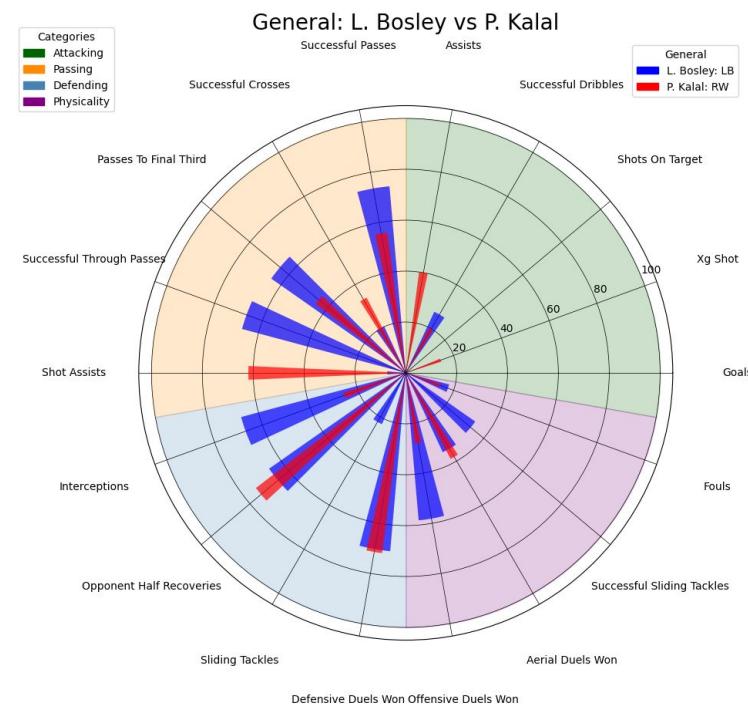
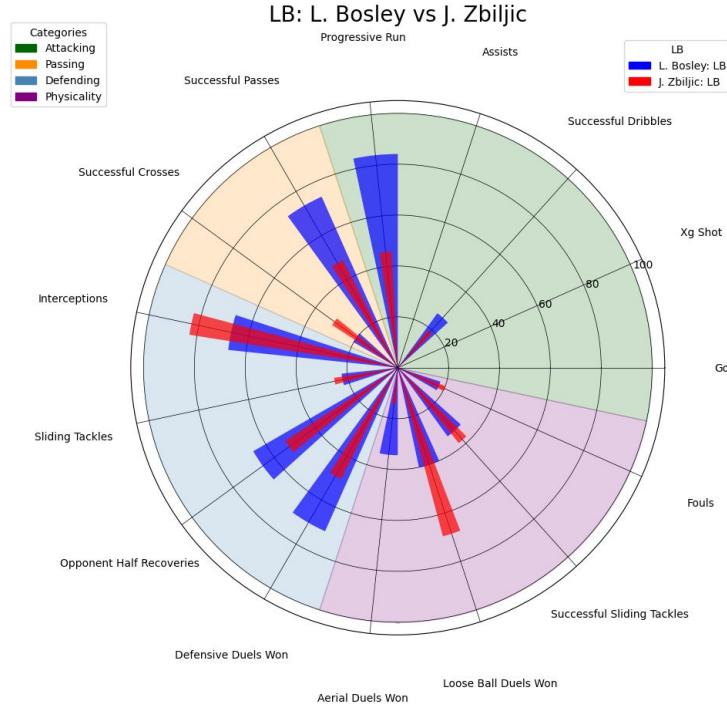
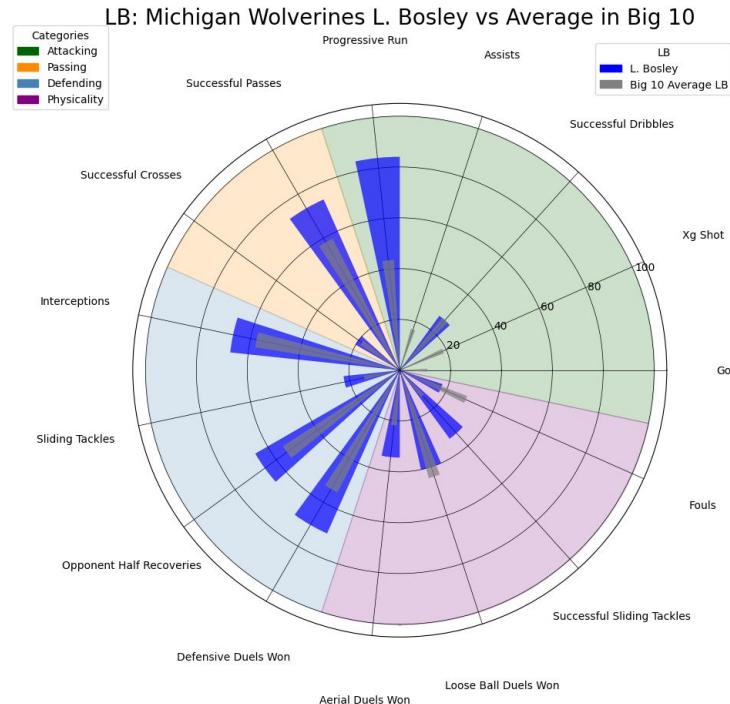
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# Harshe #3

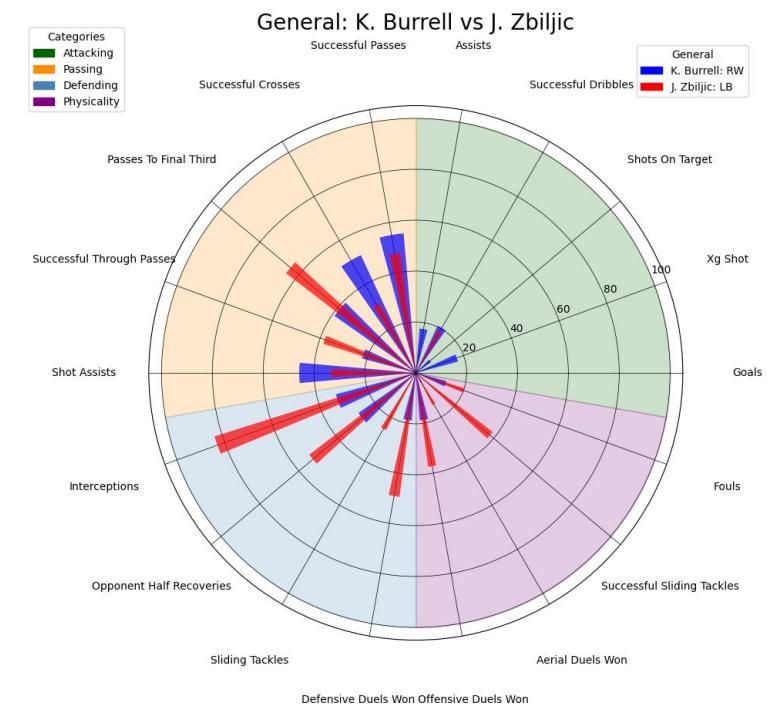
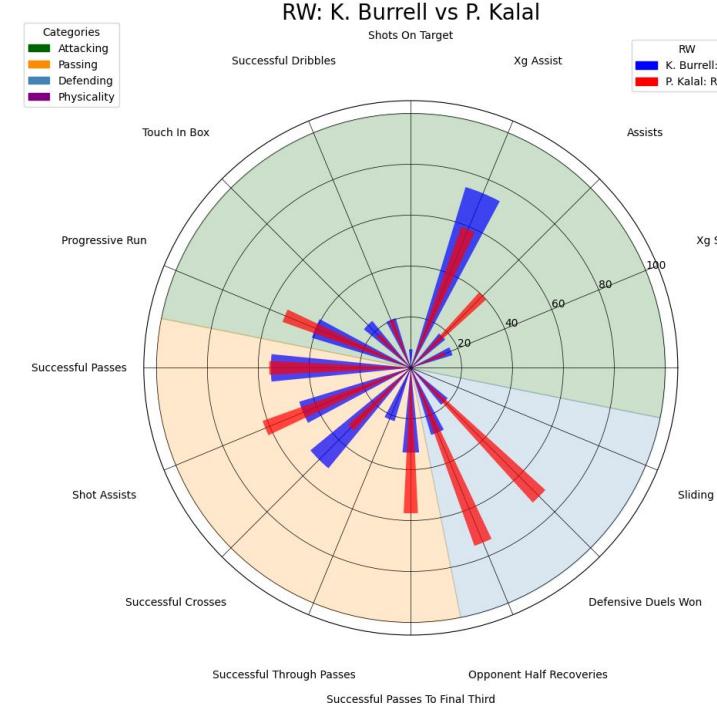
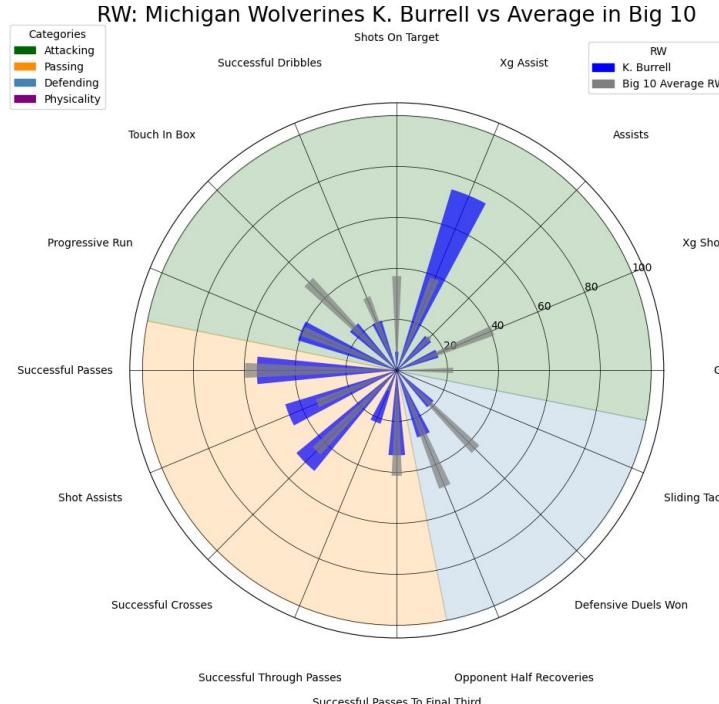


[Back to Page](#)

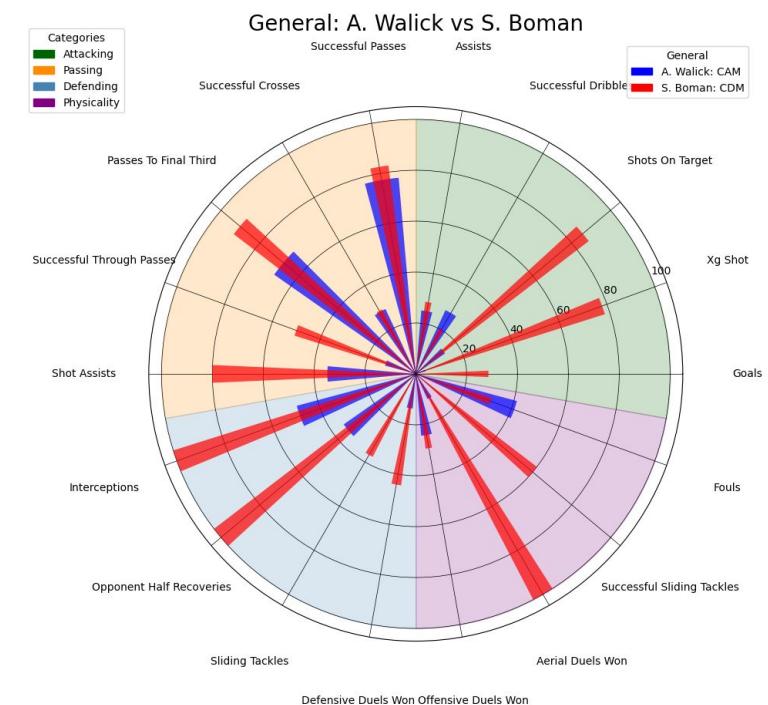
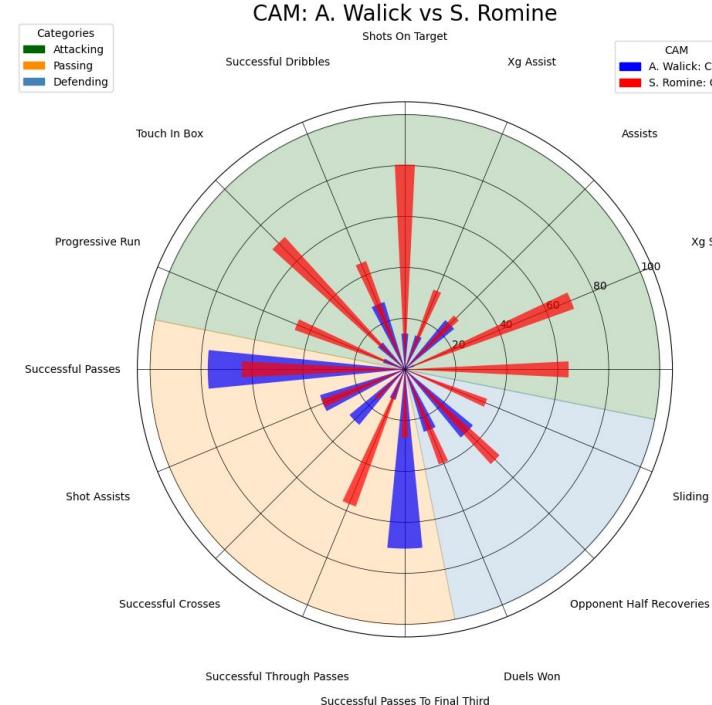
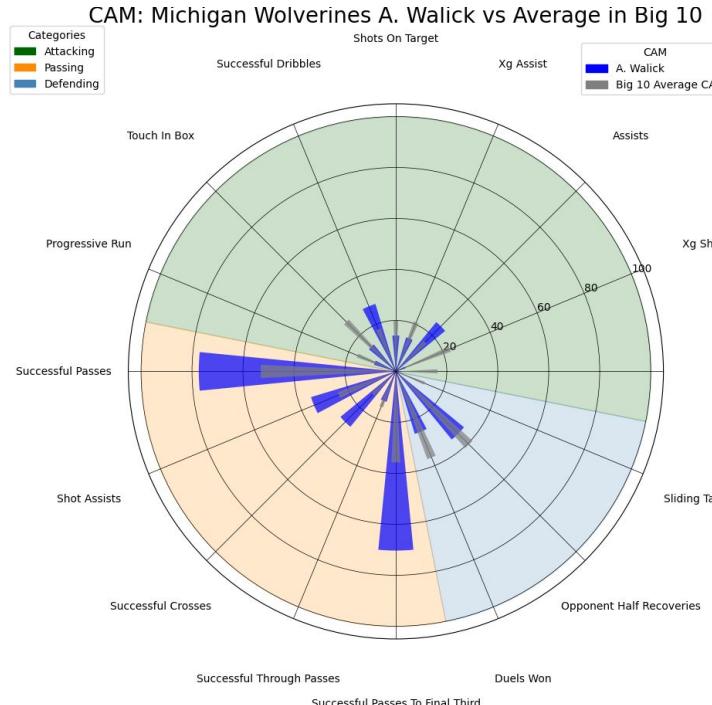
# Bosley #4



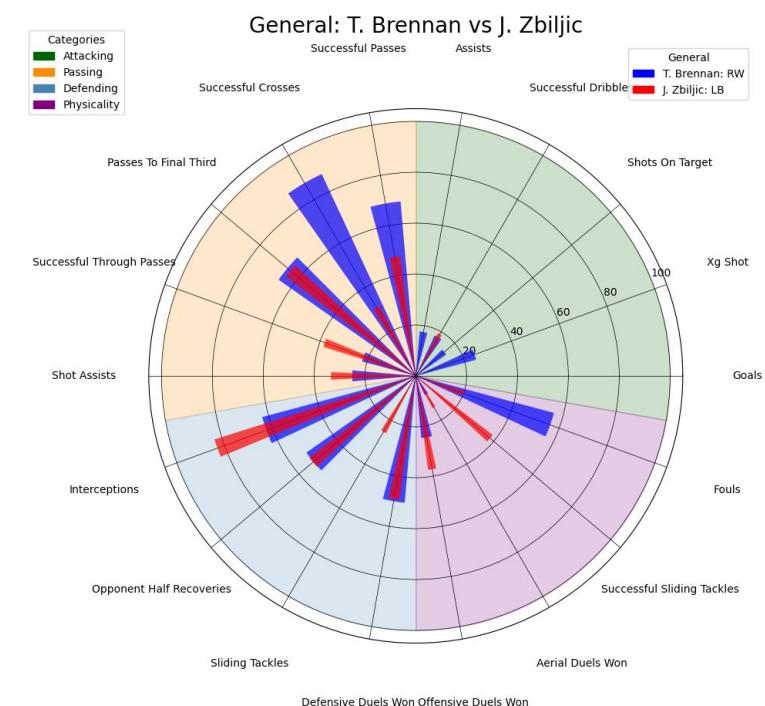
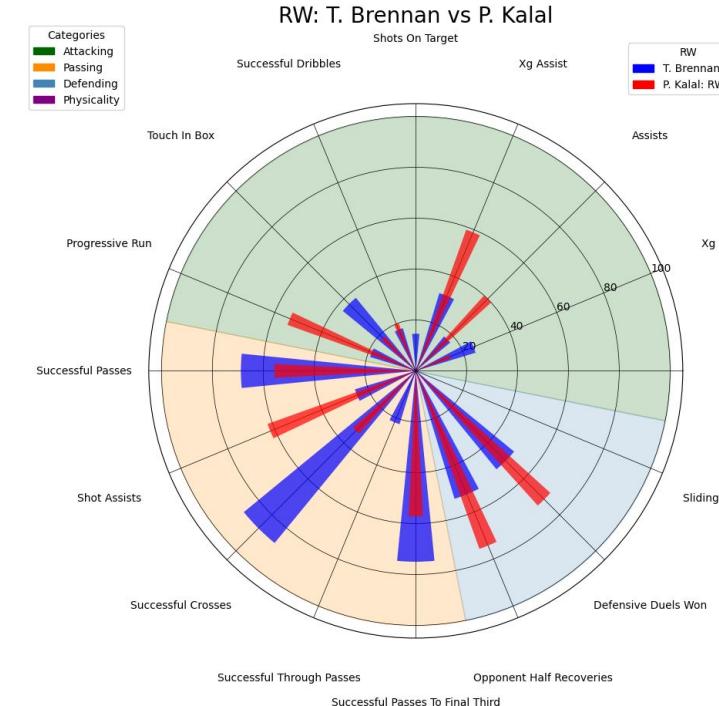
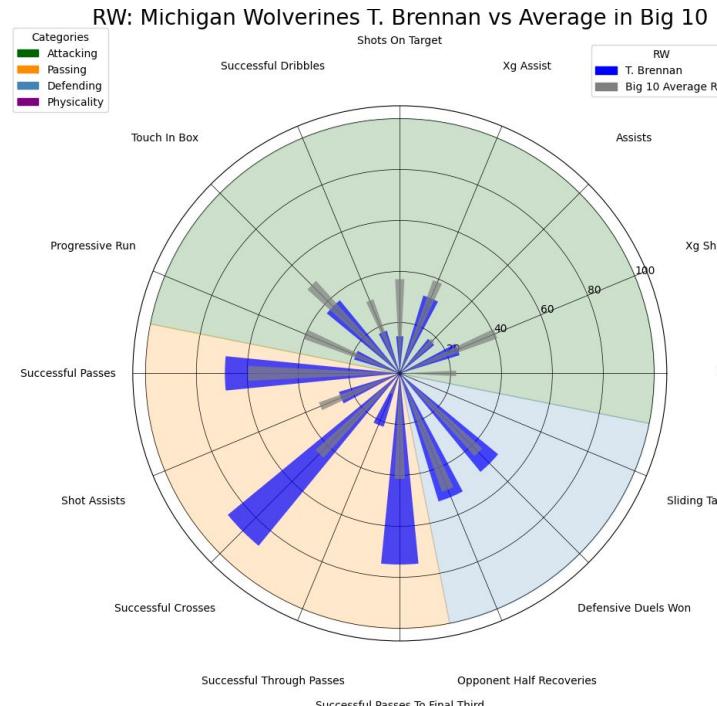
# Burrell #5



# Walick #6



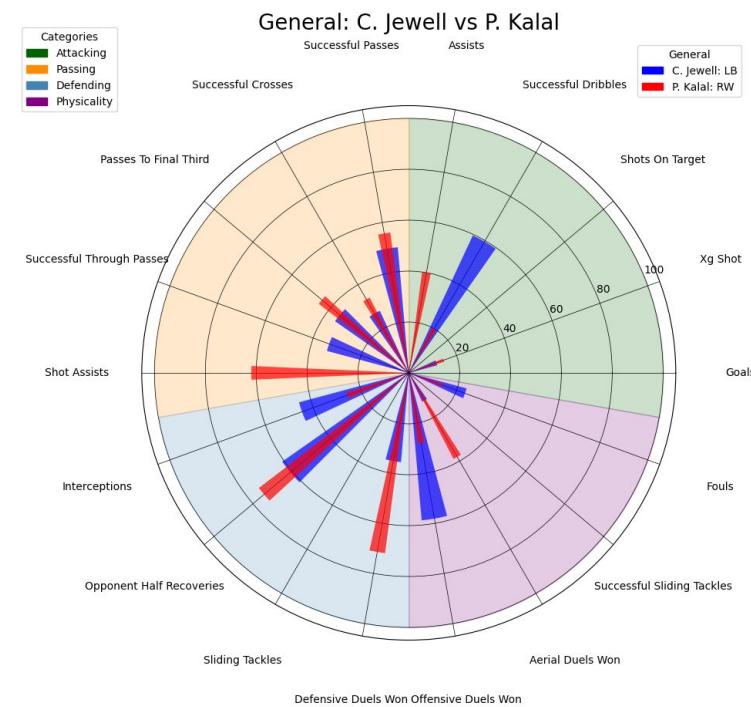
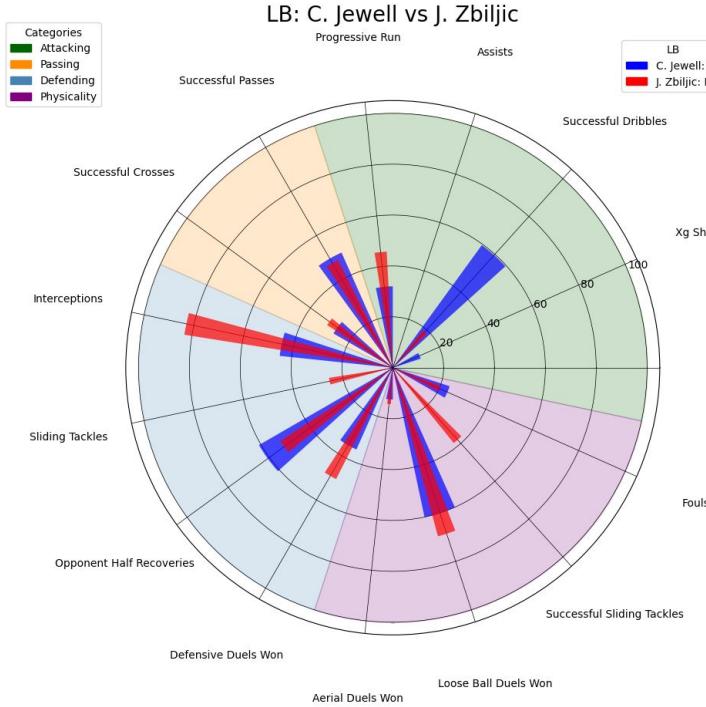
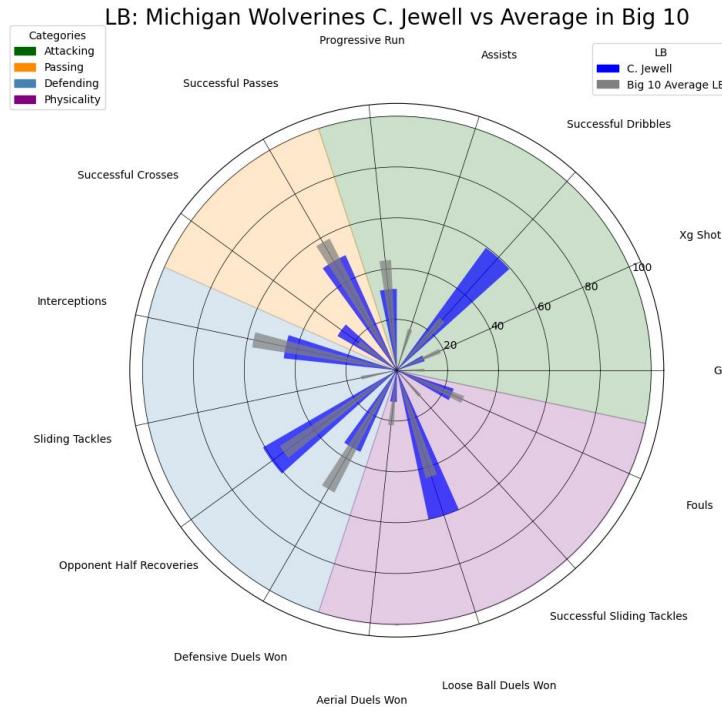
# Brennan #8



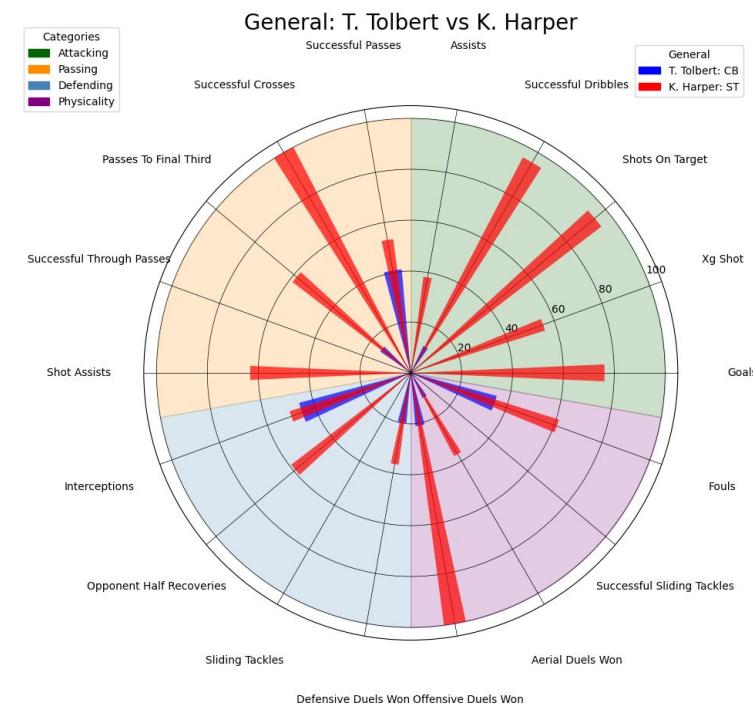
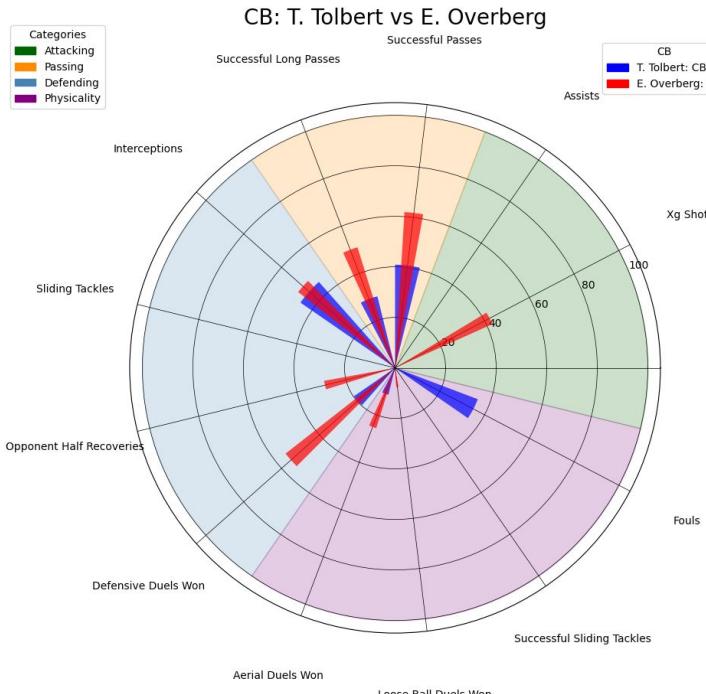
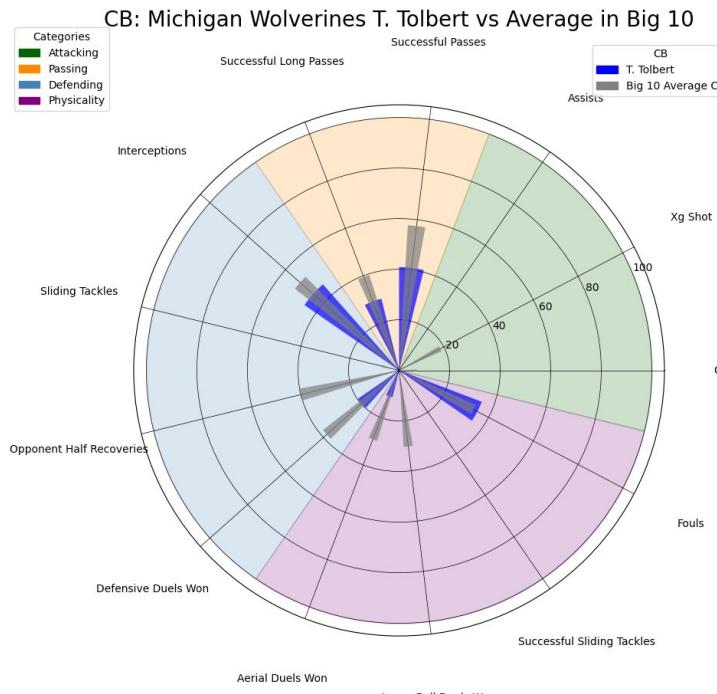
Back to Page

1

# Jewell #10



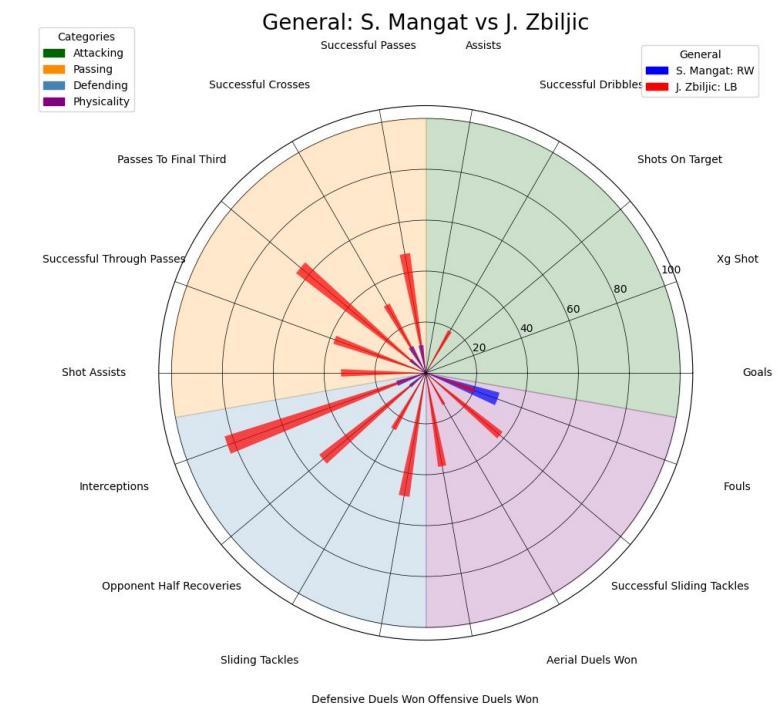
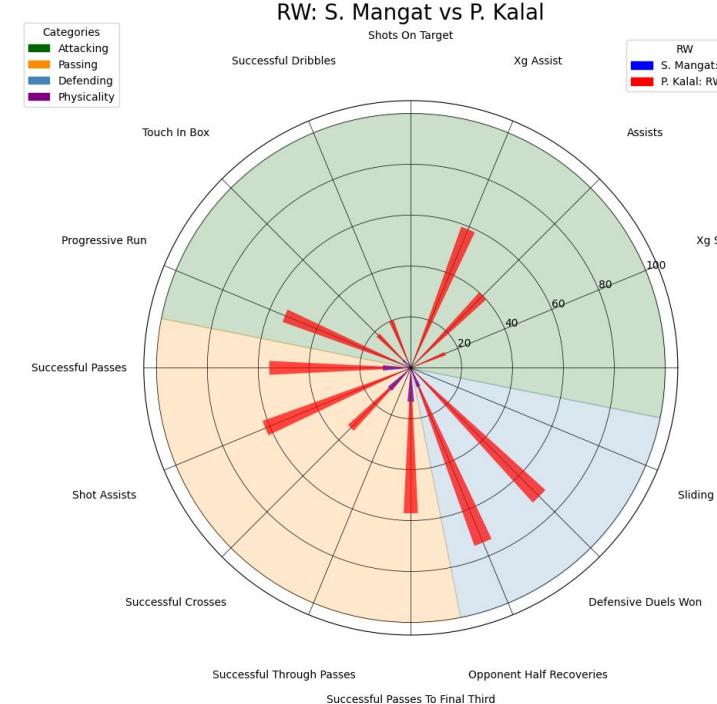
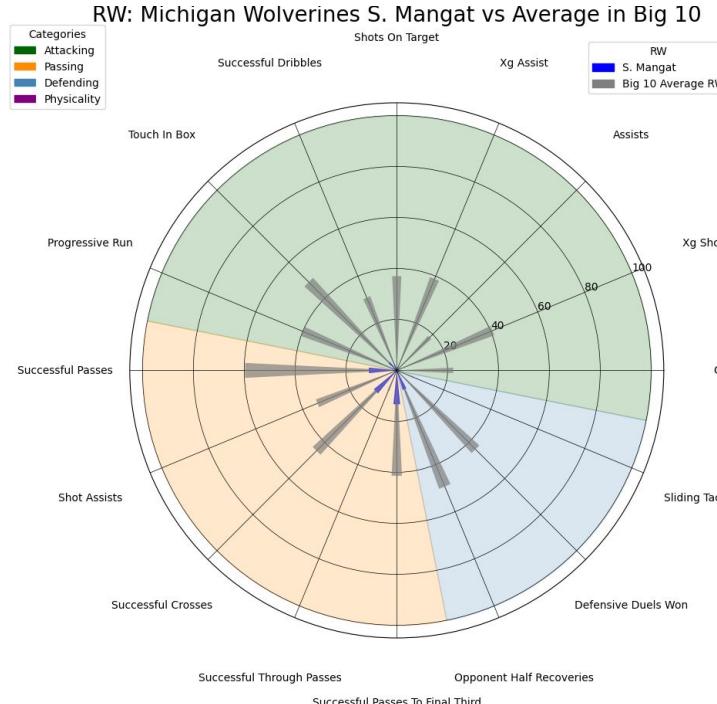
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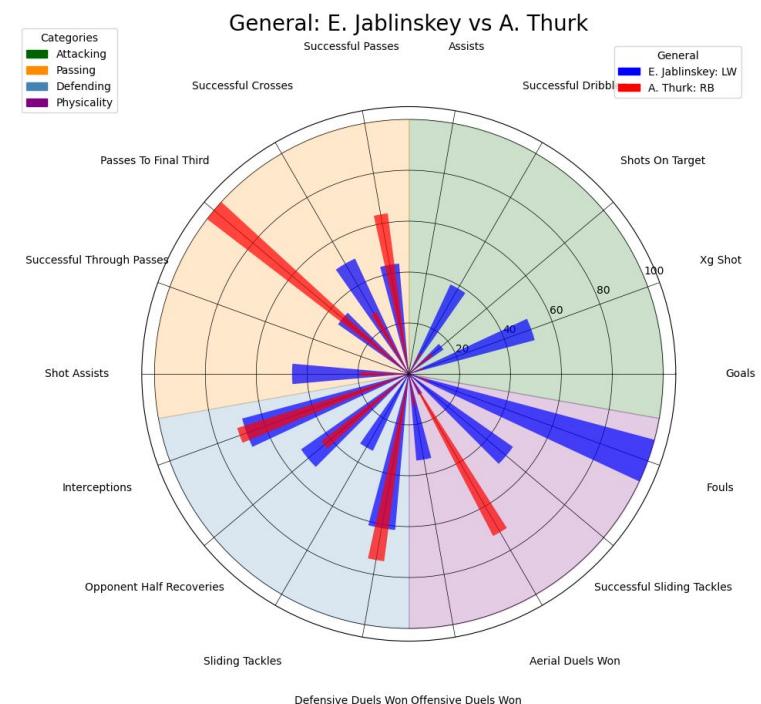
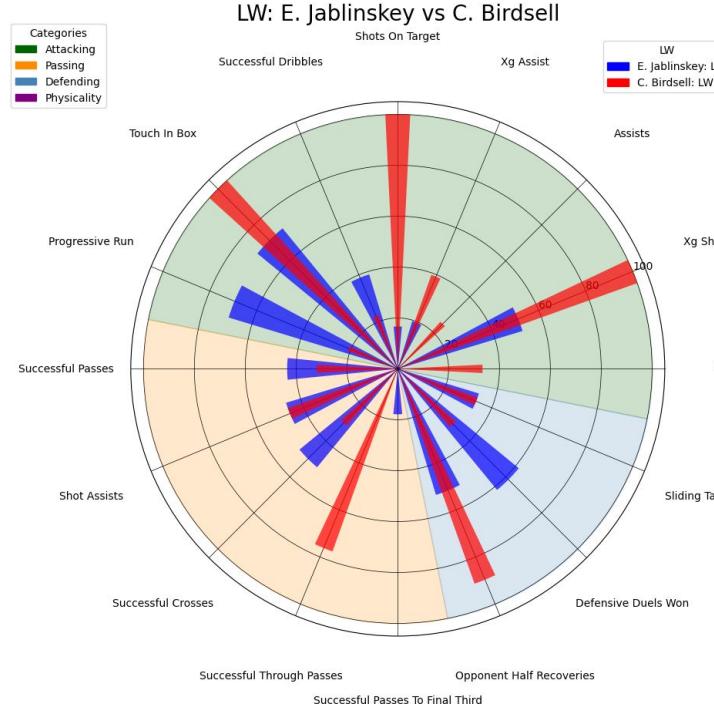
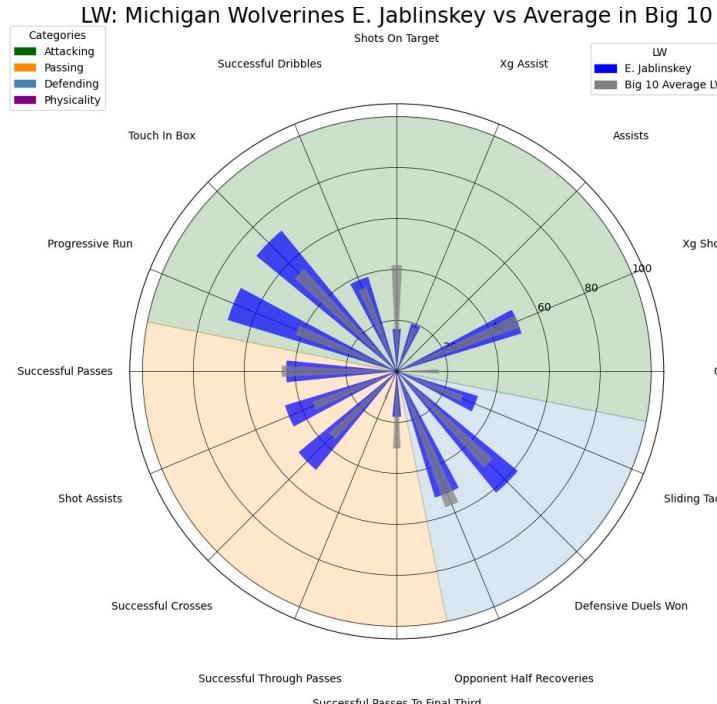
[Back to Page](#)

1

# Mangat #13



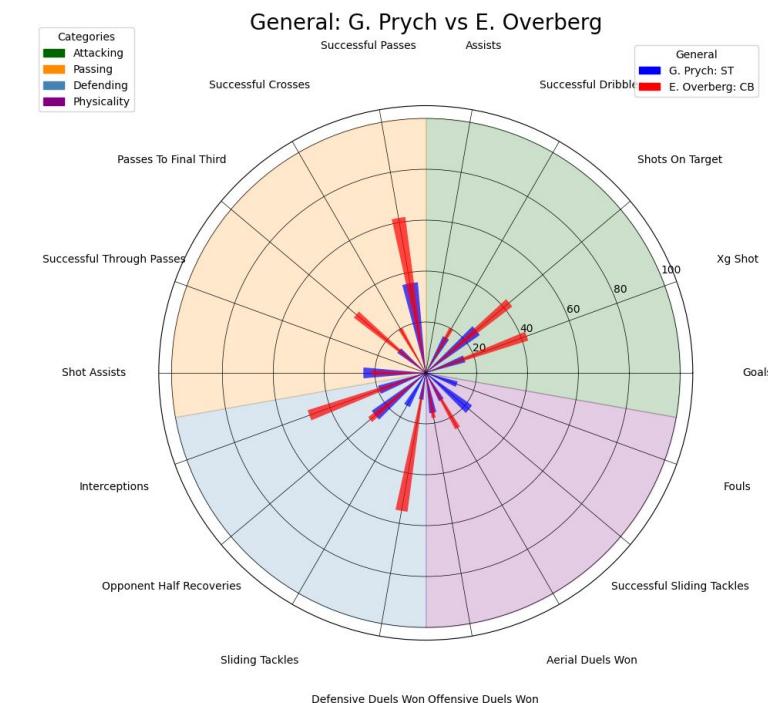
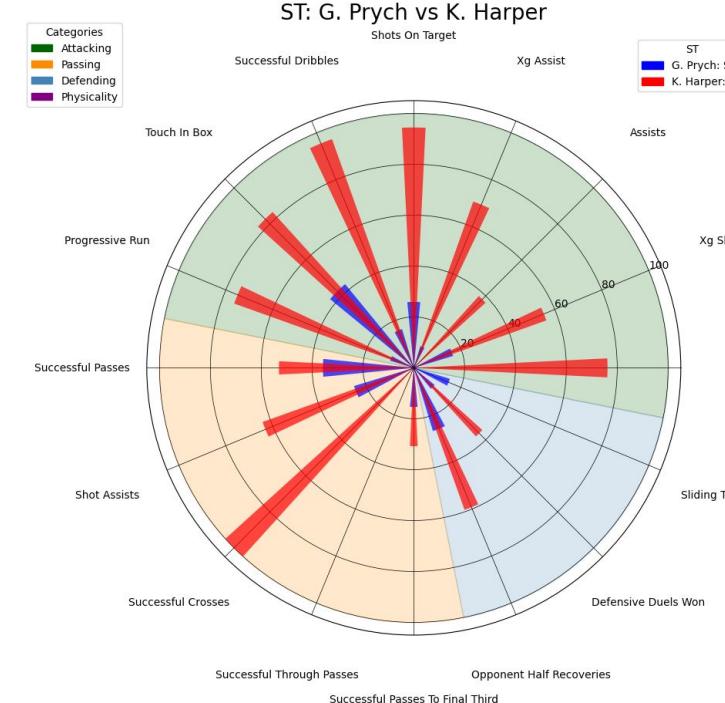
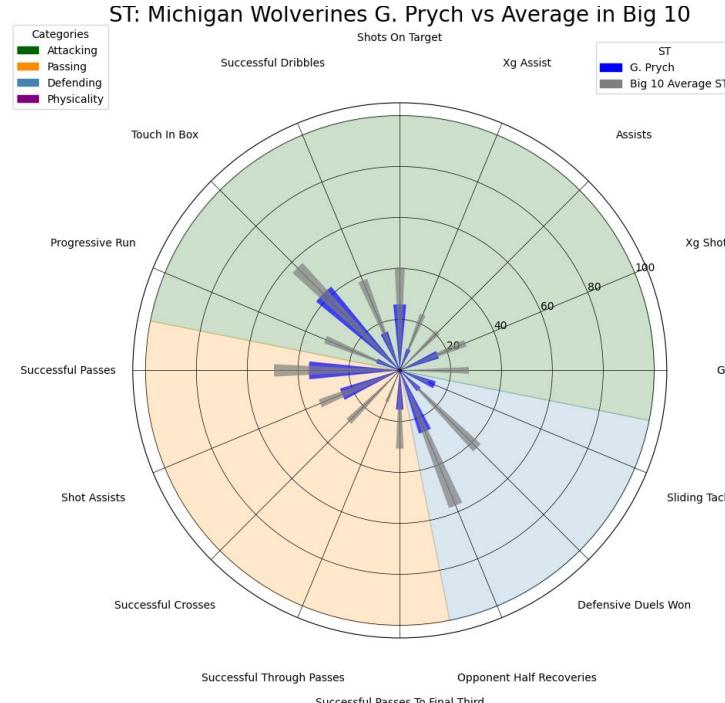
# Jablinskey #14



[Back to Page](#)

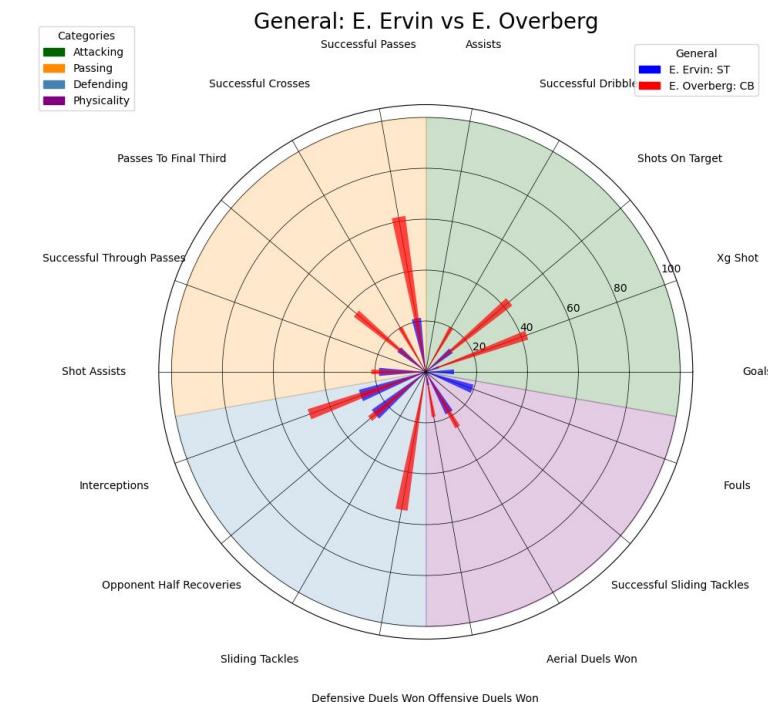
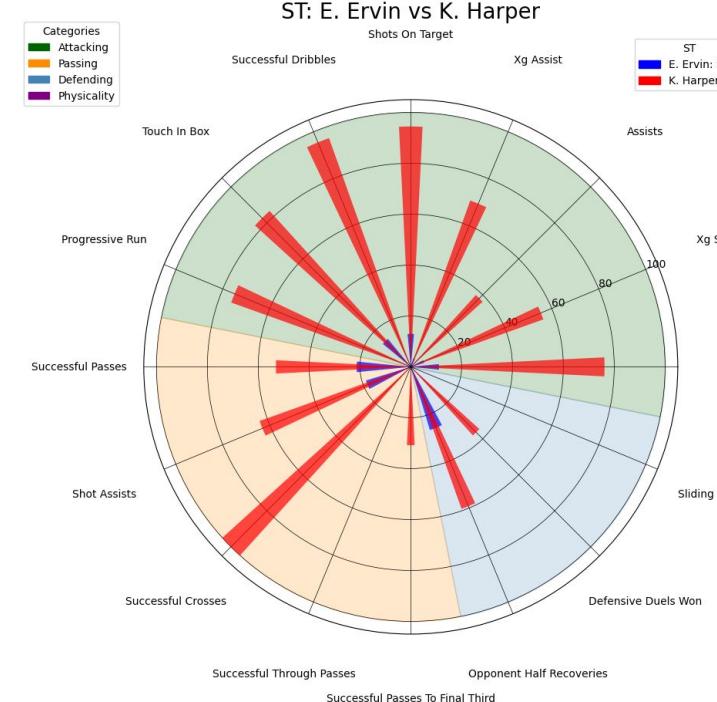
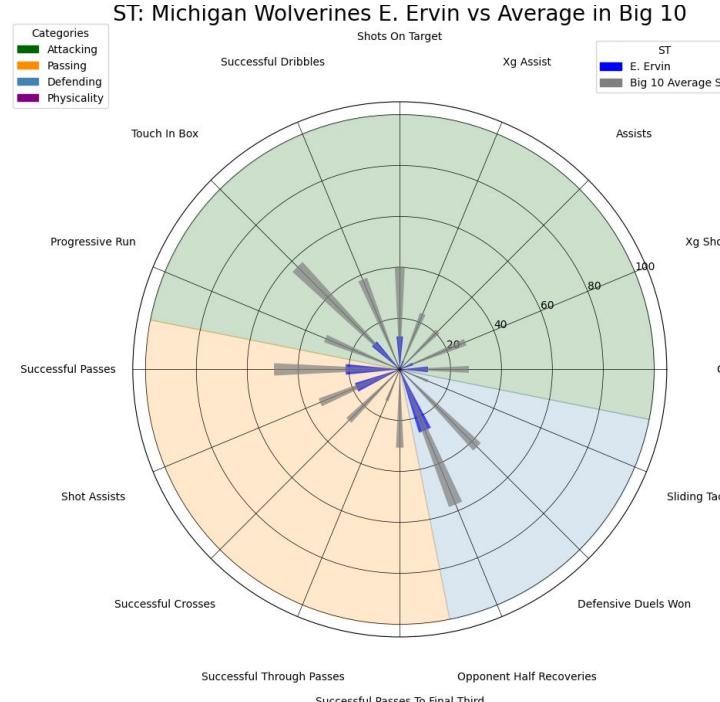
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# Prych #16



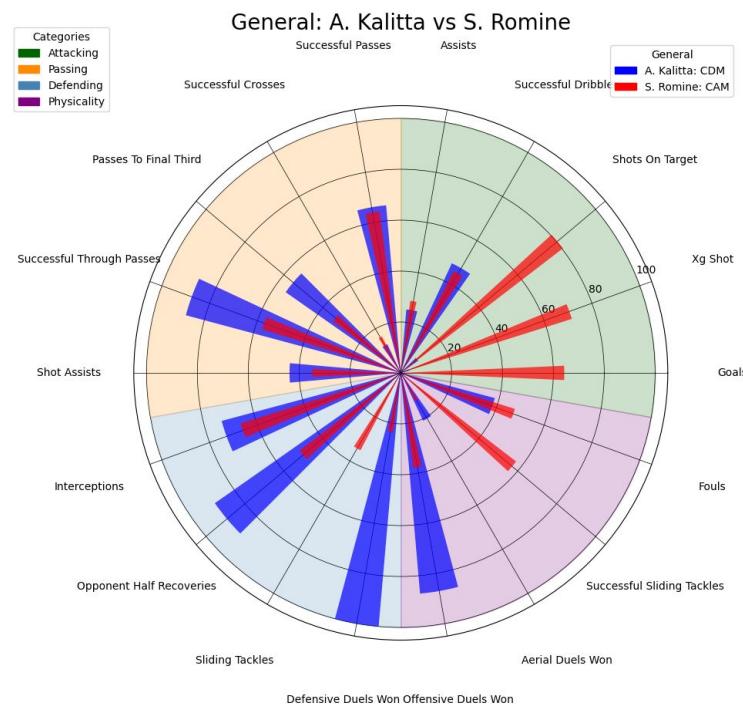
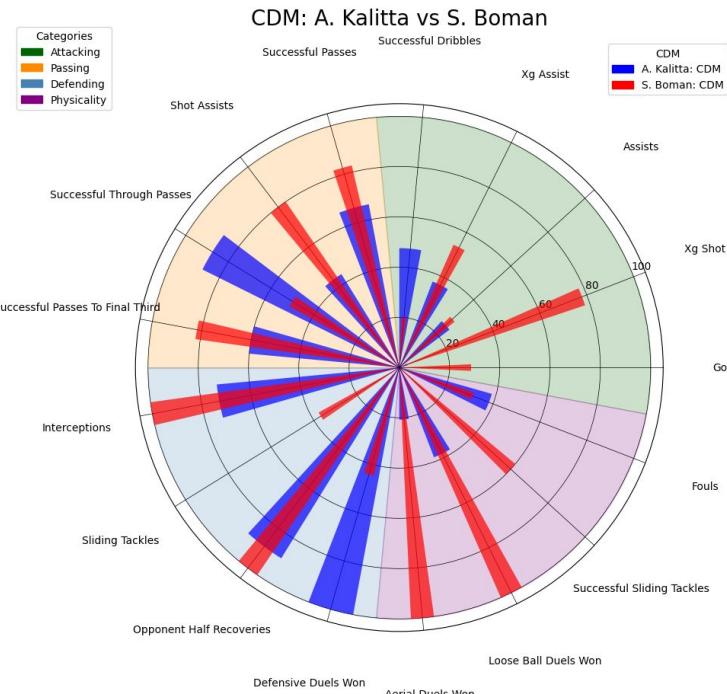
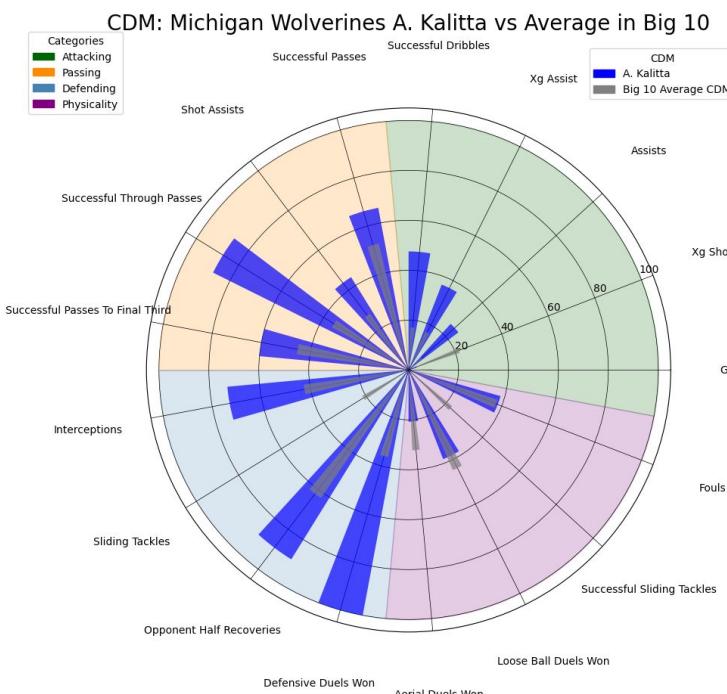
[Back to Page](#)

# Ervin #18

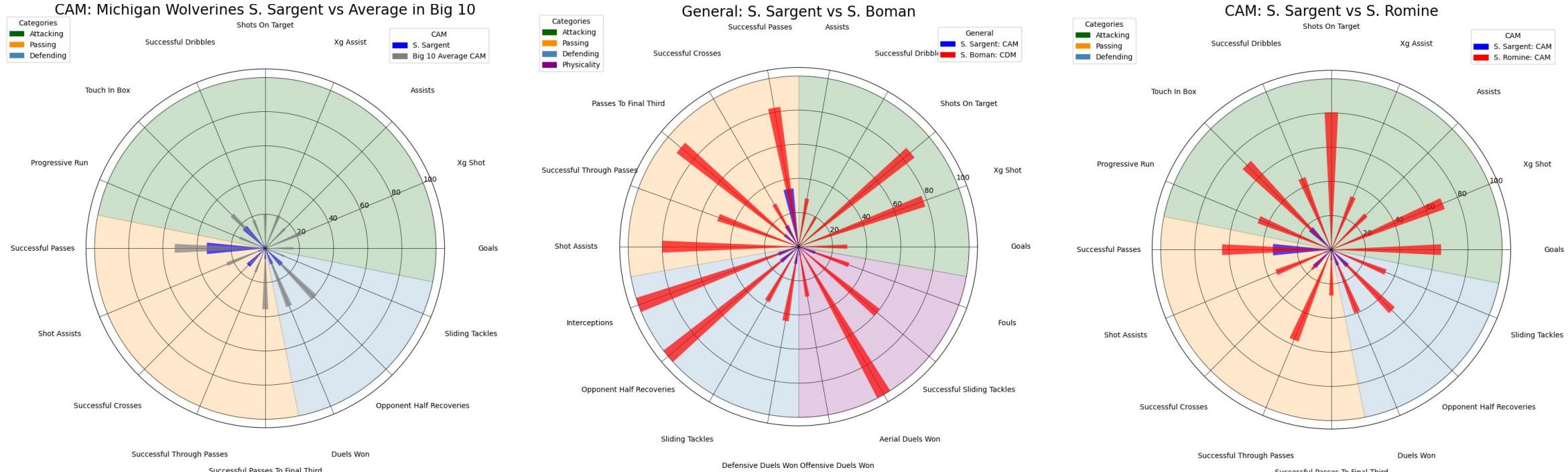


[Back to Page](#)

# Kalitta #19



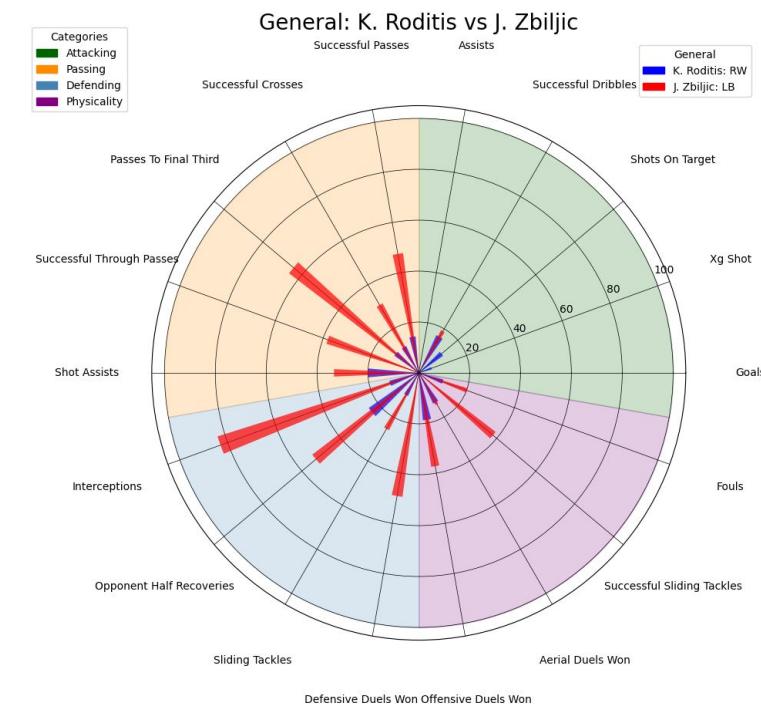
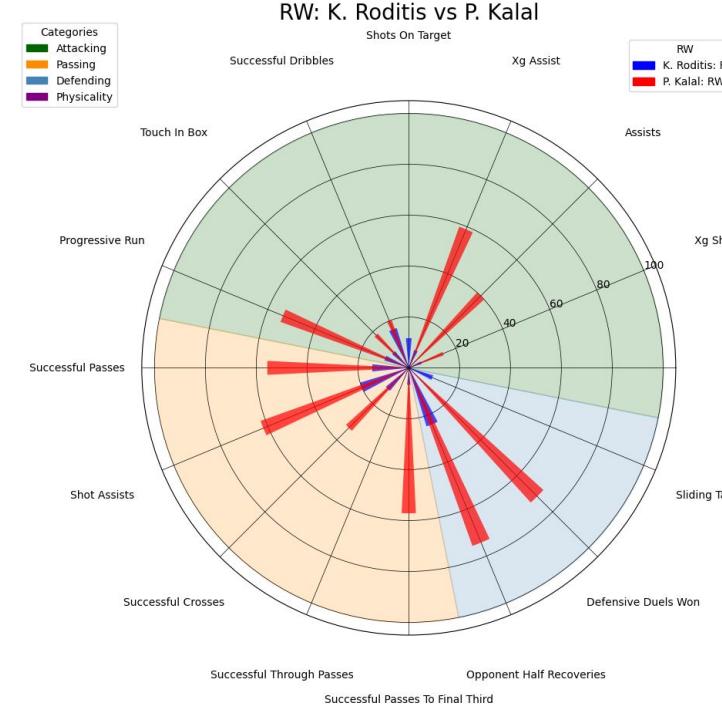
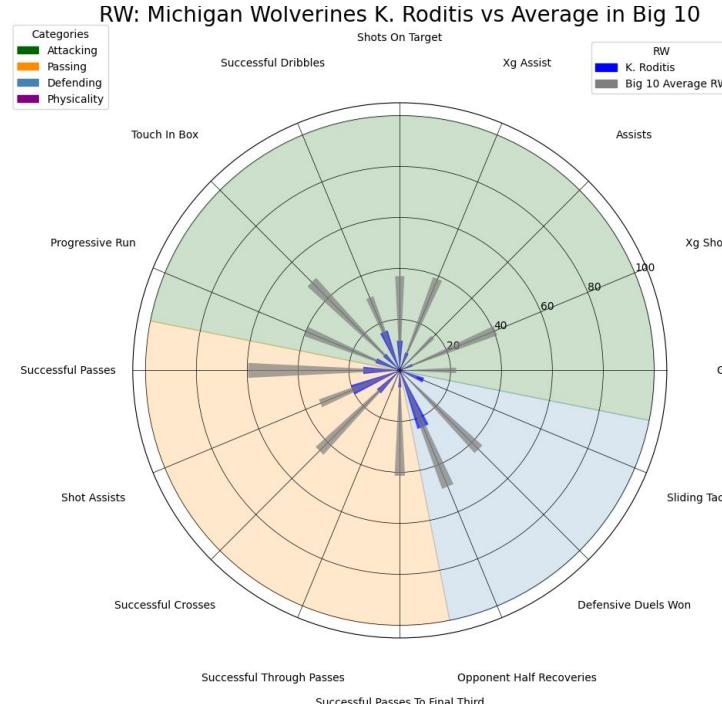
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Back to Page

1

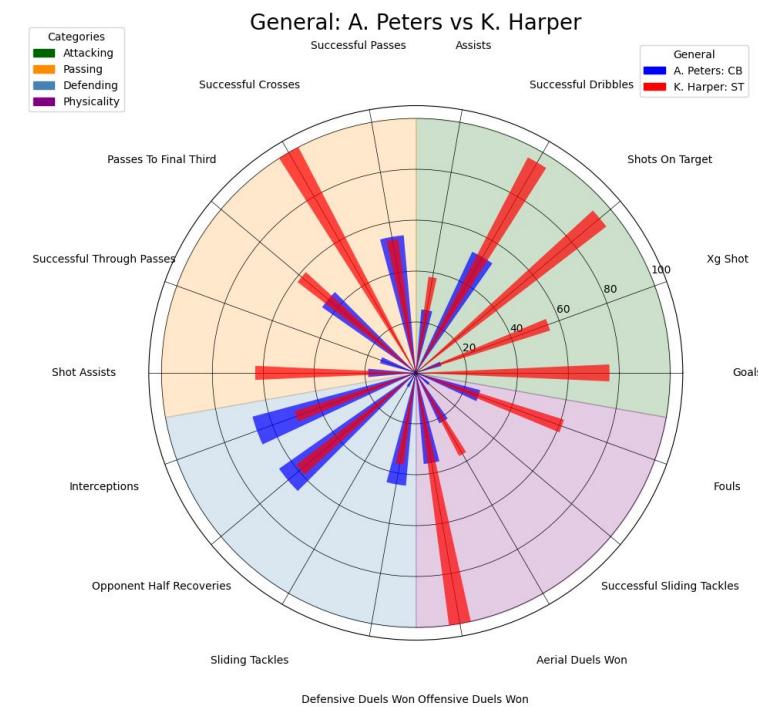
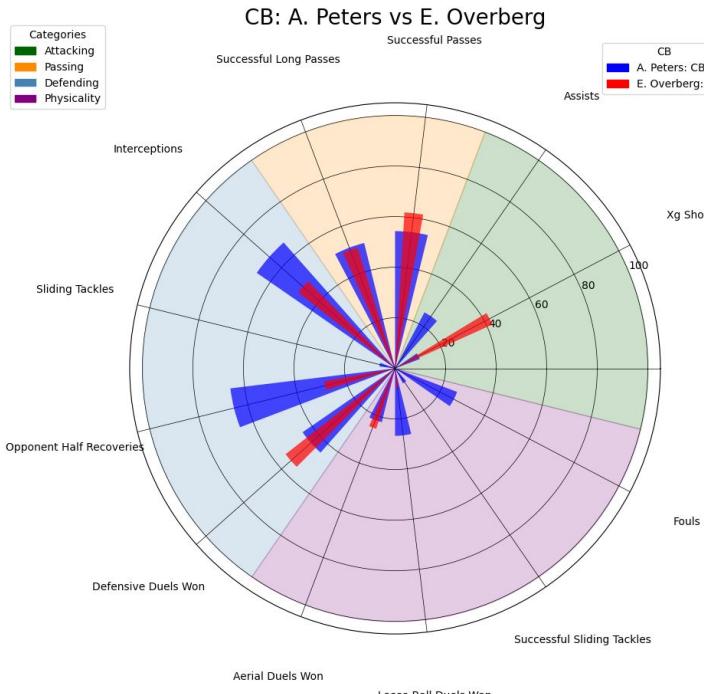
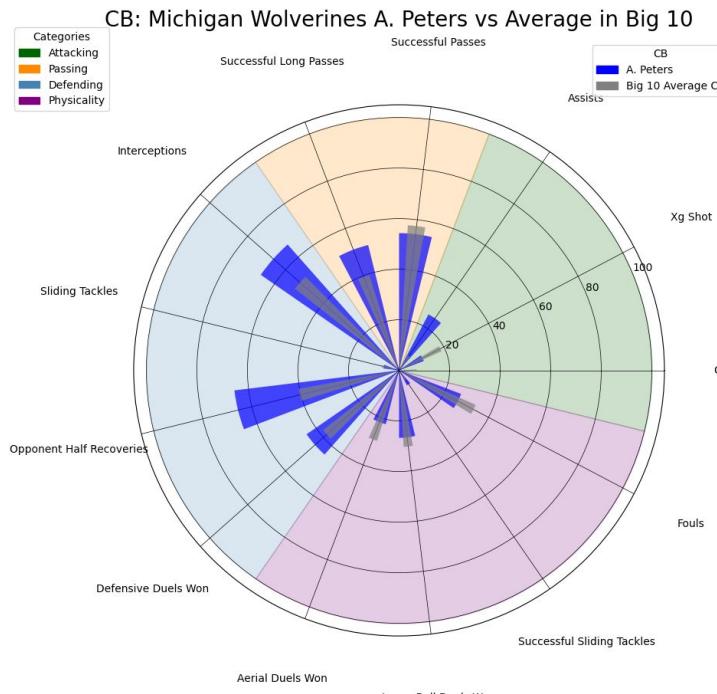
# Roditis #24



[Back to Page](#)

1

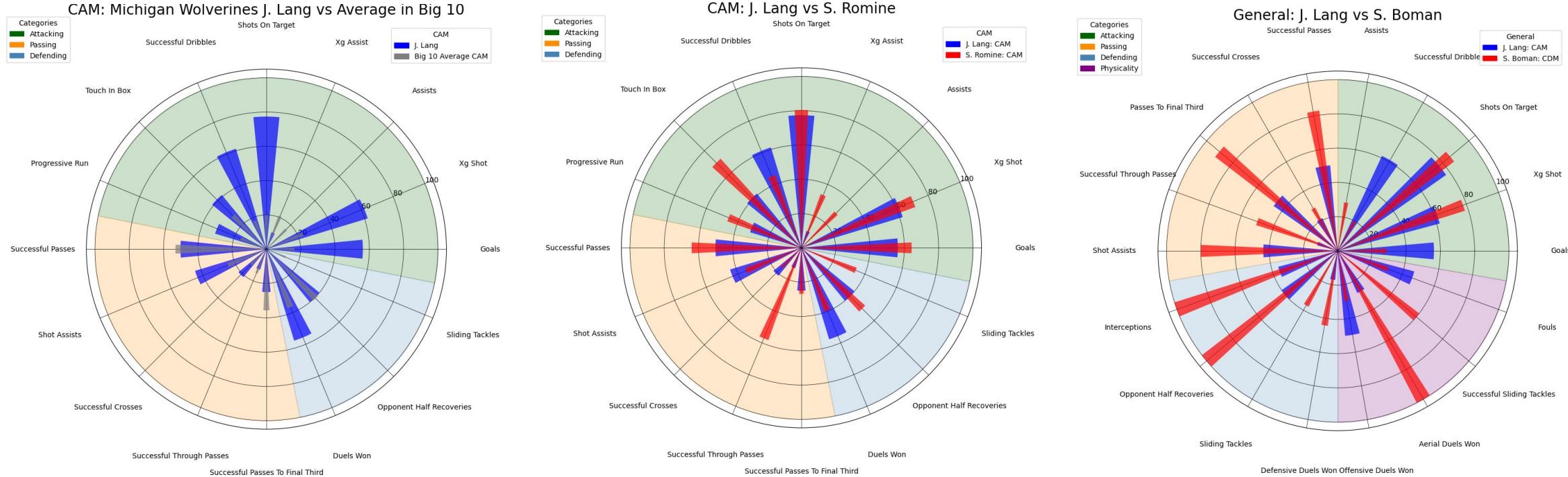
# Peters #25



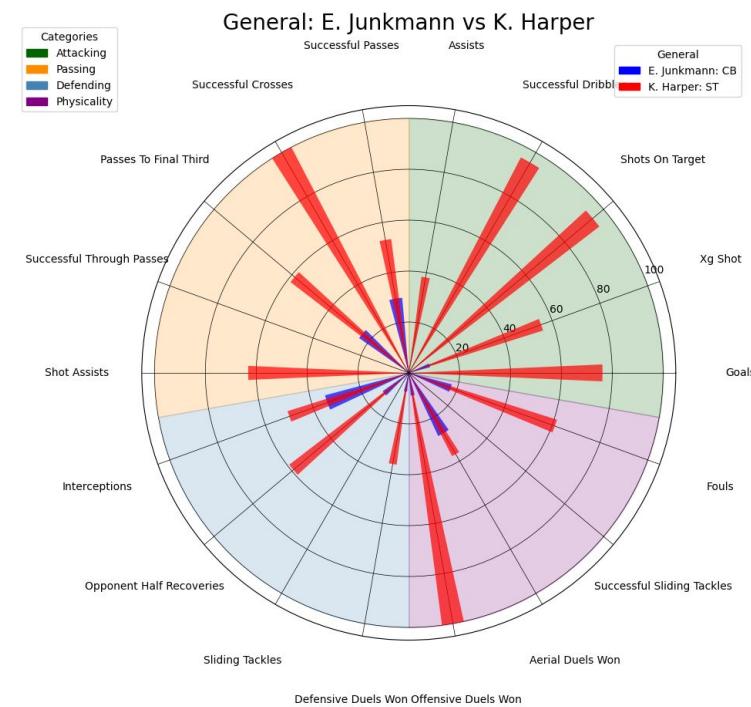
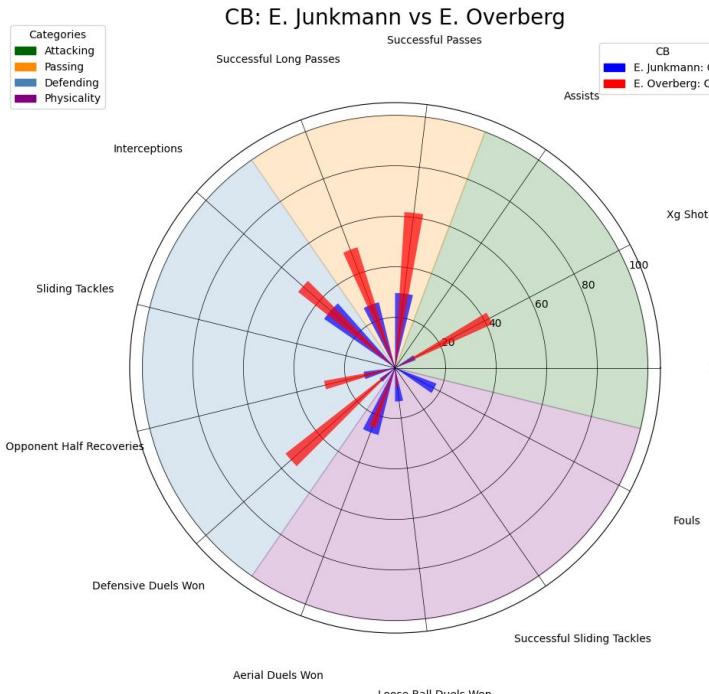
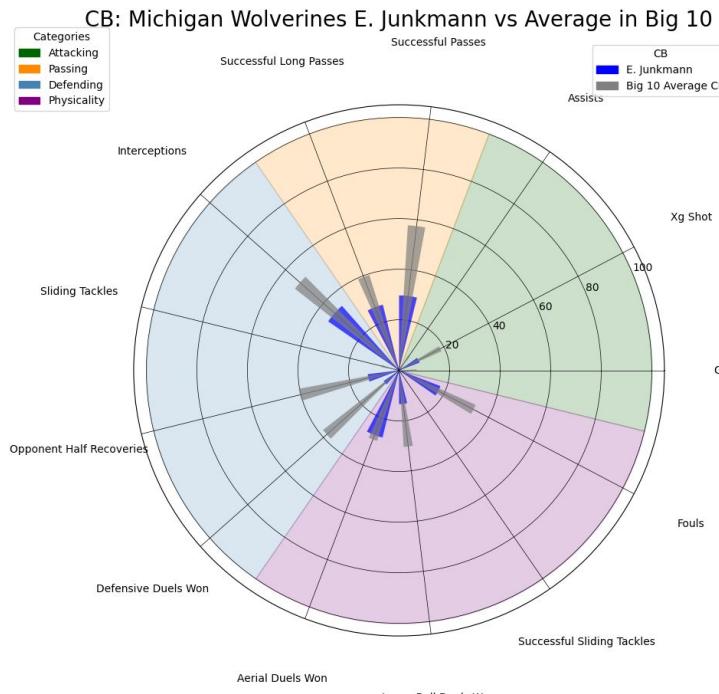
[Back to Page](#)

1

# Lang #26



# Junkmann #33



[Back to Page](#)

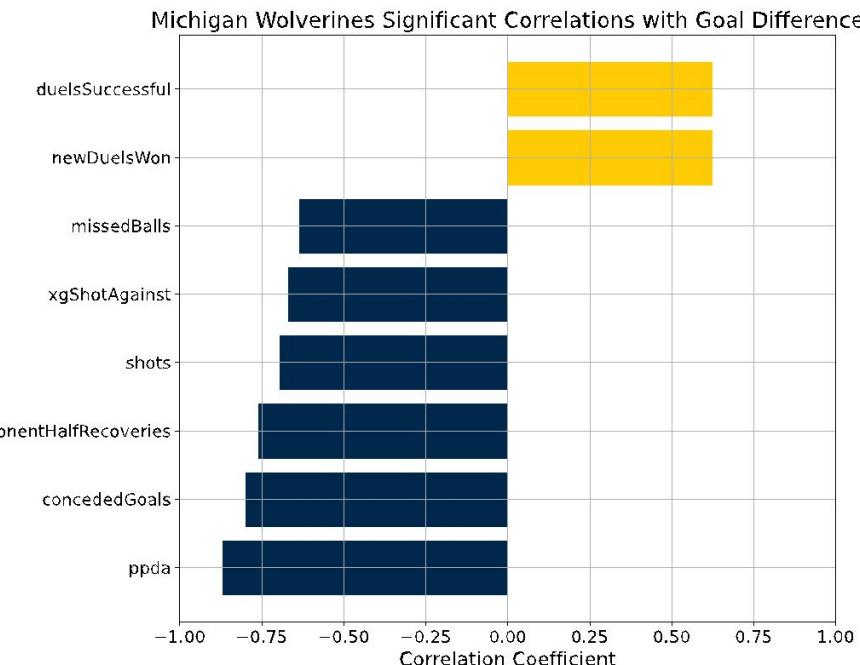
# Analysis

[Back to Page](#)

1

# Team Analysis

## Michigan



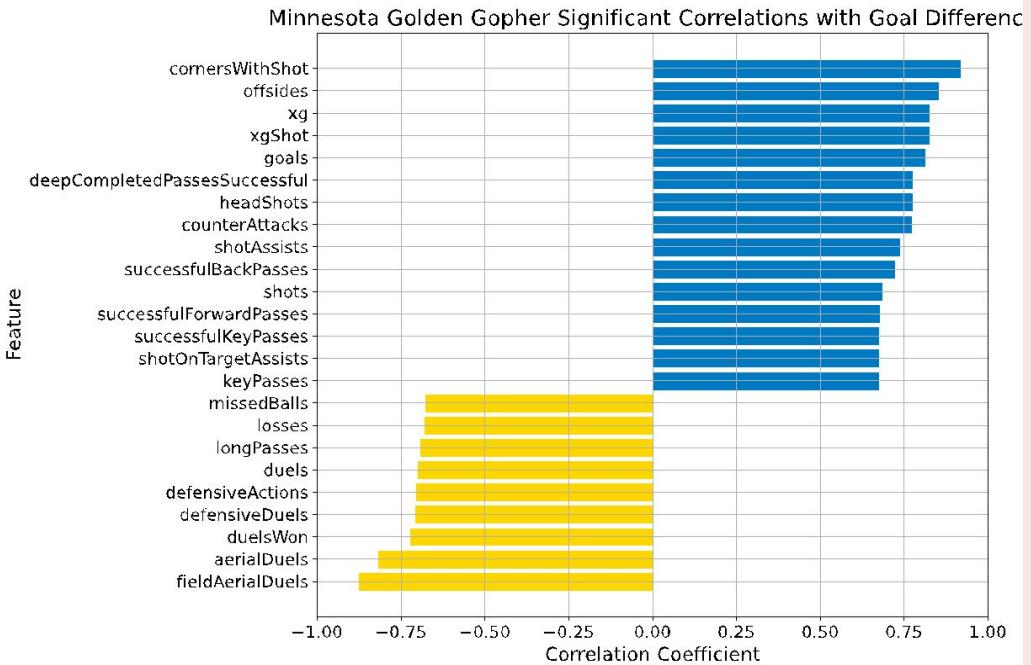
### Keys to success:

- Successful duels

### Keys to failure:

- Passes per defensive action
- Recoveries in opponent half
- Missed balls

## Minnesota



### Keys to success:

- Corners
- Key passes, crosses, forward passes

### Keys to failure:

- Aerial duels
- Defensive duels
- Missed balls

This analysis is based on data from only 5 (Michigan) and 5(Minnesota) games.

[Back to Page](#)

1

## Data & Other Information

This report was created using data from Wyscout (<https://www.hudl.com/products/wyscout>). The data was collected on 9/16/2024 (Minnesota last game against Illinois, Michigan last game against Penn State.)

This report was created by Colin Badgero, David Lee, Selina Rey, Nikhil Satpathy, Simon Vasquez, Aubree Xia, Lauren Brideau, Claire Dawson, Jin Yong Kim, Raed Al Kontar, Albert S. Berahas and Salar Fattahi.

This project is funded by the The Michigan Institute for Data & AI in Society (<https://midas.umich.edu/>) under the grant “WinAI: Propelling UM Soccer with Data-Driven AI” and the Industrial and Operations Engineering department.