

# Traffic measurement report

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aus\_roundabout1\_20260806

## Table of contents

1. Software and user information
2. Description and location of the measurement
3. Traffic volume and composition
  - 3.1 Traffic profiles and structure
    - Traffic structure
    - Traffic movement structure
    - Traffic category structure by entrance
  - 3.2 Road micromobility
  - 3.3 Crosswalk participants
  - 3.4 Observed and daily traffic
  - 3.5 Peak hours
    - Traffic category structure by entrance: Morning peak, 08:00–09:00
    - Traffic category structure by entrance: Midday peak, 12:00–13:00
    - Traffic category structure by entrance: Afternoon peak, 15:00–16:00
  - 3.6 Peak profiles for traffic forecasting
  - 3.7 Traffic at different times of day

## 1. Software and user information

- AITracker version: 3.0.5
- Software version: v3.0.5-5-gde8707c79-fixes.training\_export
- Company: AISP SPÓŁKA Z OGRANICZONĄ ODPOWIEDZIALNOŚCIĄ
- Address: Konarskiego 18C
- Website: [www.aisp.pl](http://www.aisp.pl)
- Generated by: [s.paszko@aisp.pl](mailto:s.paszko@aisp.pl)
- Created at: 2026-10-29 17:56:28

## 2. Description and location of the measurement

*Report assumptions: main cartograms, directional structures, vehicle profiles, peaks and PHF cover road vehicles on Road movements.*

*Road micromobility is presented separately. Crosswalk participants cover pedestrians and micromobility on Crosswalk movements.*

*Daily or annual traffic is named only when its stated method and input range support that meaning.*

*Speed statistics use valid road-vehicle measurements. ALPR uses road vehicles and treats a plate as read when at least one letter is recognized. The active classification controls category presentation after the business population is selected.*

Start time: **06:00**. End time: **20:14**. Measurement duration: **14 h 14 min 59 s**.

Vehicle classification: **uk.coba7**.

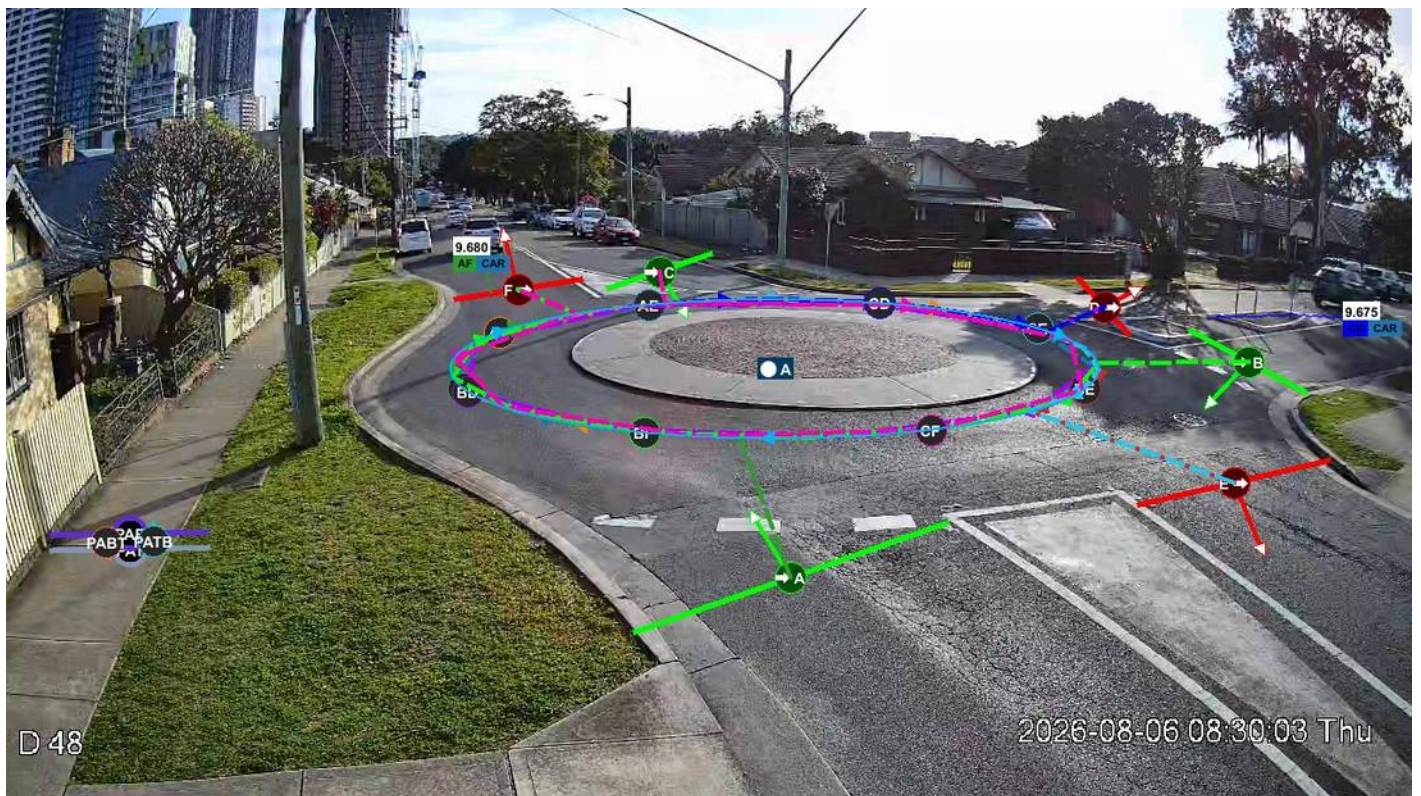
| Vehicles                                                                                | Road micromobility                                                                   | All road participants                                                                   | Crosswalk participants                                                                  |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  8 713 |  34 |  8 747 |  480 |

### Vehicle structure

| Light vehicles | Heavy vehicles |
|----------------|----------------|
| 8 553 (98.2%)  | 160 (1.8%)     |

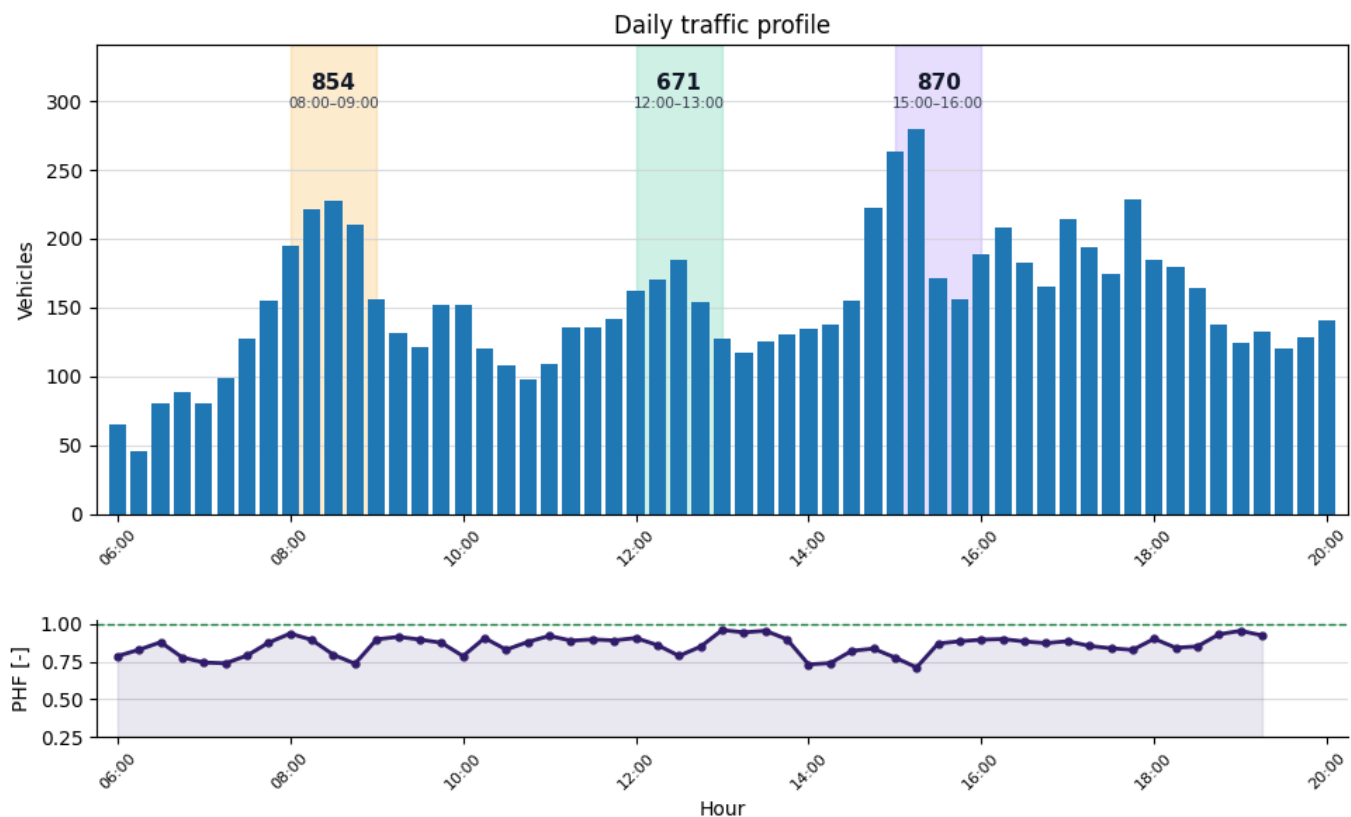
### Bus transport

| Buses     | Minibuses |
|-----------|-----------|
| 70 (0.8%) | 40 (0.5%) |



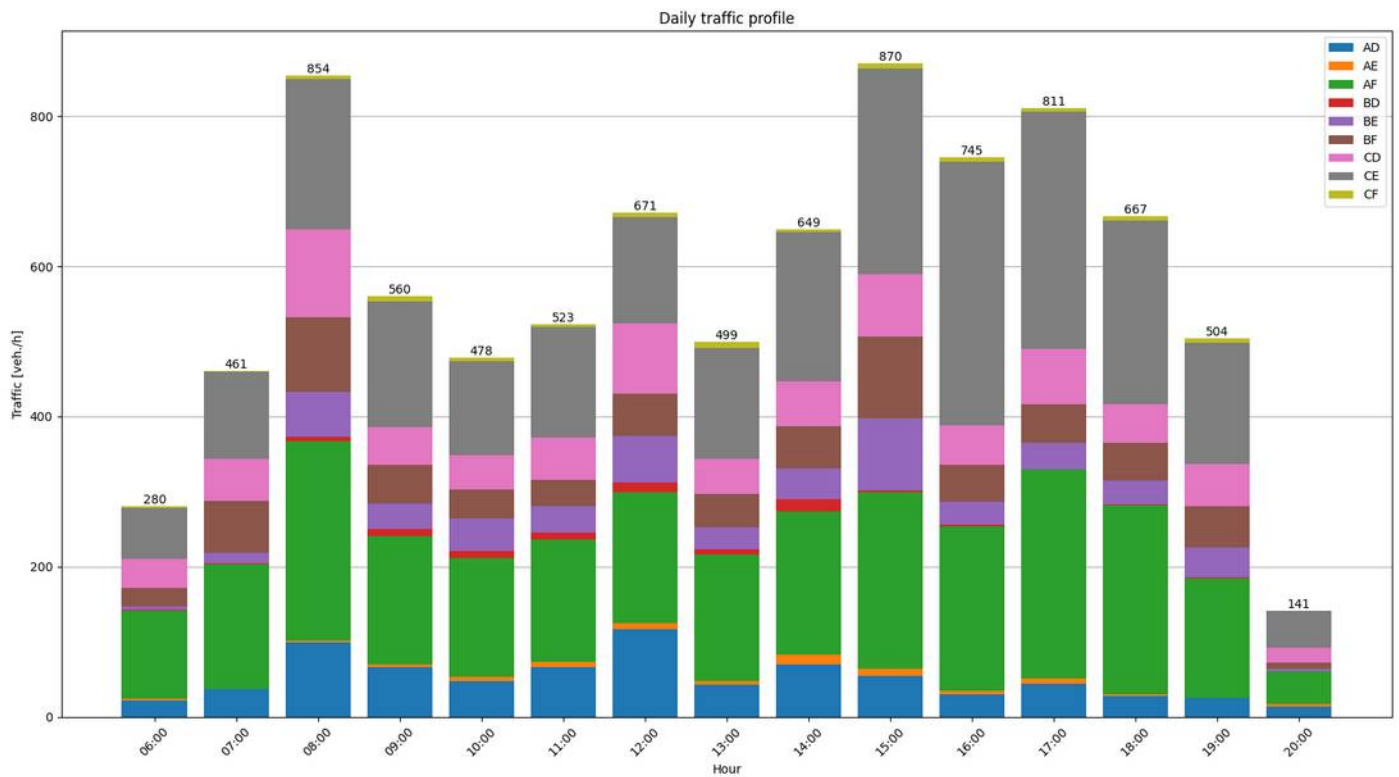
### 3. Traffic volume and composition

#### 3.1 Traffic profiles and structure

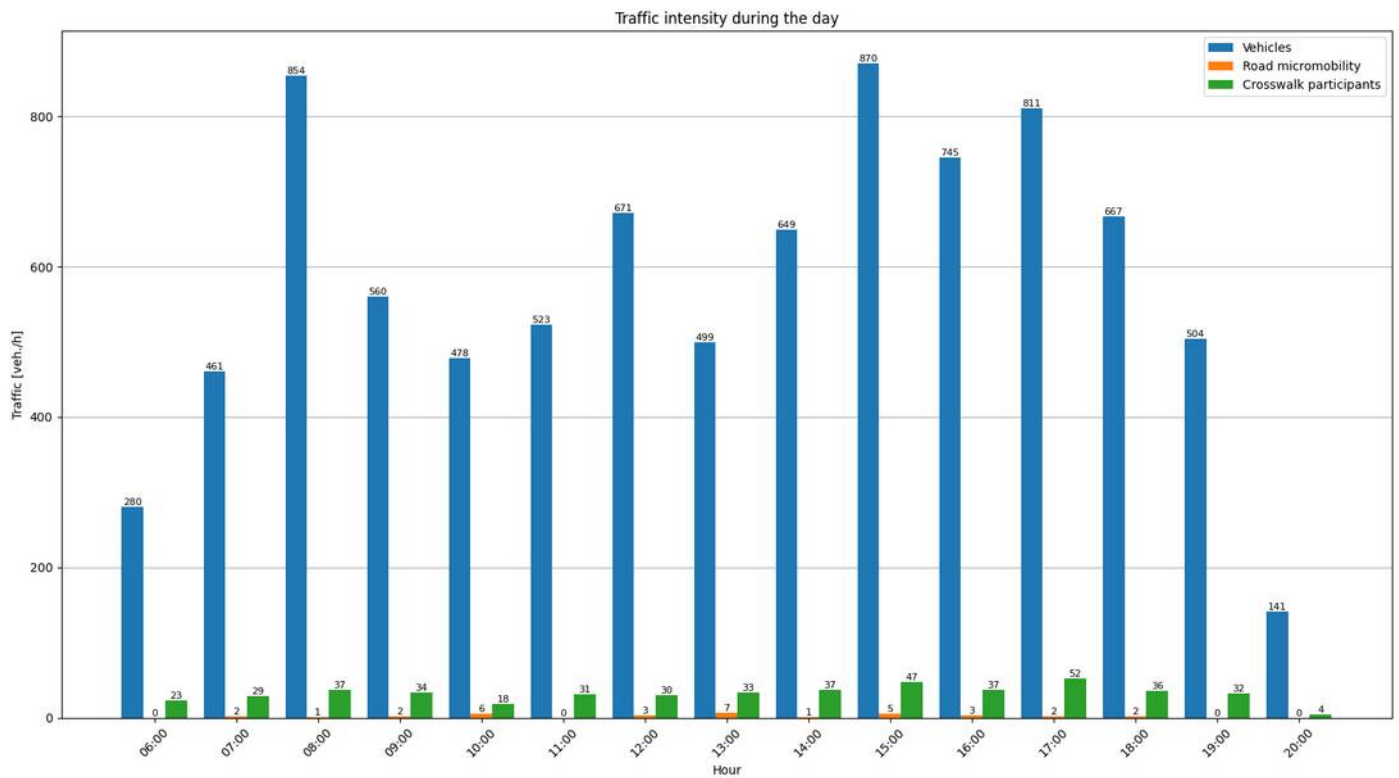


#### 3. Daily traffic profile

*PHF values closer to 1.00 indicate a more even distribution of vehicle traffic within the hour; lower values indicate that traffic is concentrated in one of its 15-minute intervals.*

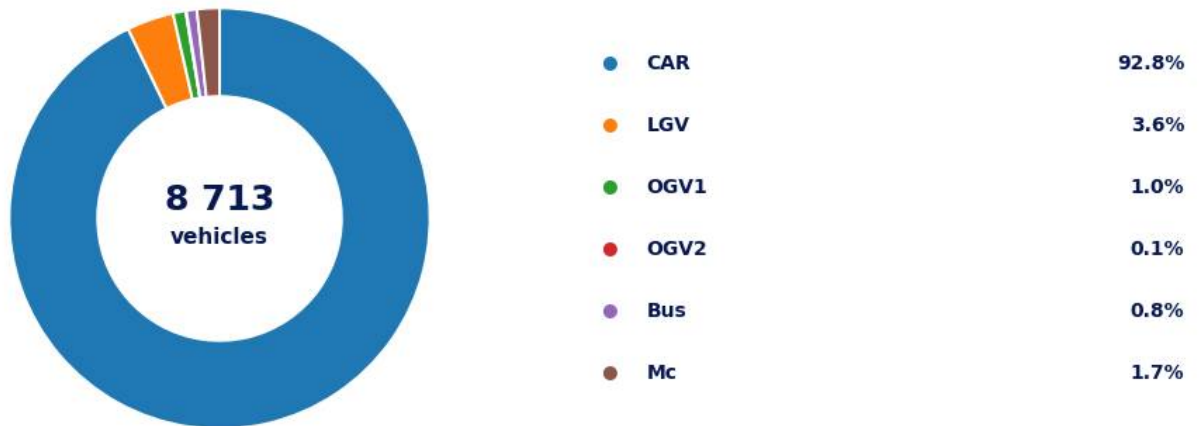


#### 4. Hourly traffic chart for each direction separately.

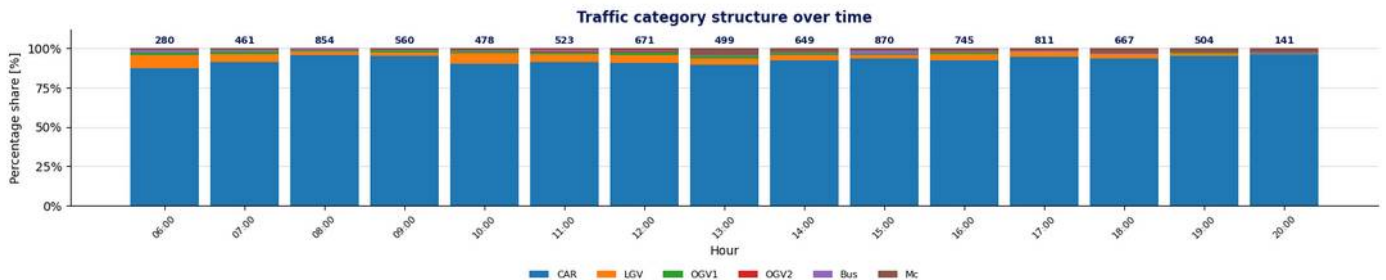


#### 5. Traffic intensity during the day for vehicles, road micromobility and crosswalk participants.

## Daily traffic category structure



## 6. Daily road traffic structure by vehicle category.



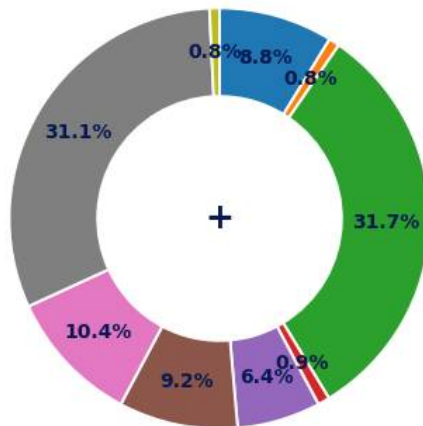
## 7. Traffic category structure over time

### Traffic structure

Percentage share of vehicle categories in measured road traffic:

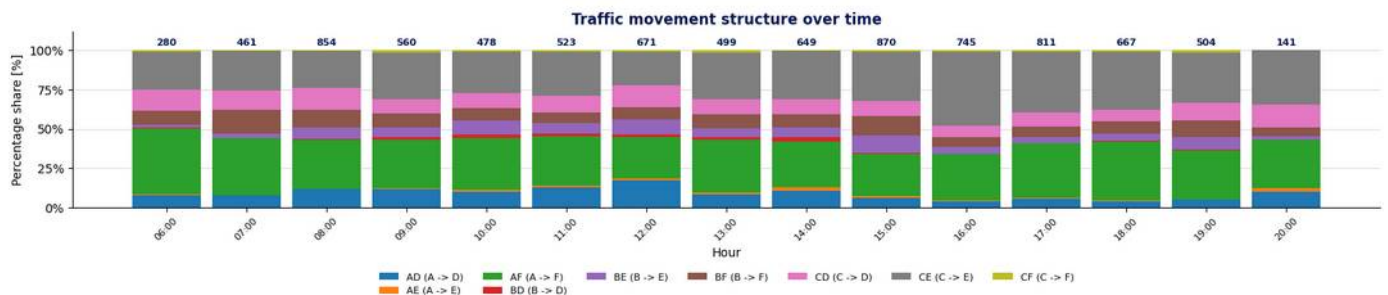
- Category **CAR**, **8089 vehicles**, share **92.84%**.
- Category **LGV**, **314 vehicles**, share **3.60%**.
- Category **OGV1**, **85 vehicles**, share **0.98%**.
- Category **OGV2**, **5 vehicles**, share **0.06%**.
- Category **Bus**, **70 vehicles**, share **0.80%**.
- Category **Mc**, **150 vehicles**, share **1.72%**.
- Category **Pc**, **0 vehicles**, share **0.00%**.

## Daily traffic movement structure



|             |            |
|-------------|------------|
| AD (A -> D) | 764 veh.   |
| AE (A -> E) | 72 veh.    |
| AF (A -> F) | 2 762 veh. |
| BD (B -> D) | 80 veh.    |
| BE (B -> E) | 559 veh.   |
| BF (B -> F) | 798 veh.   |
| CD (C -> D) | 903 veh.   |
| CE (C -> E) | 2 708 veh. |
| CF (C -> F) | 67 veh.    |

### 8. Daily inbound traffic structure by movement.

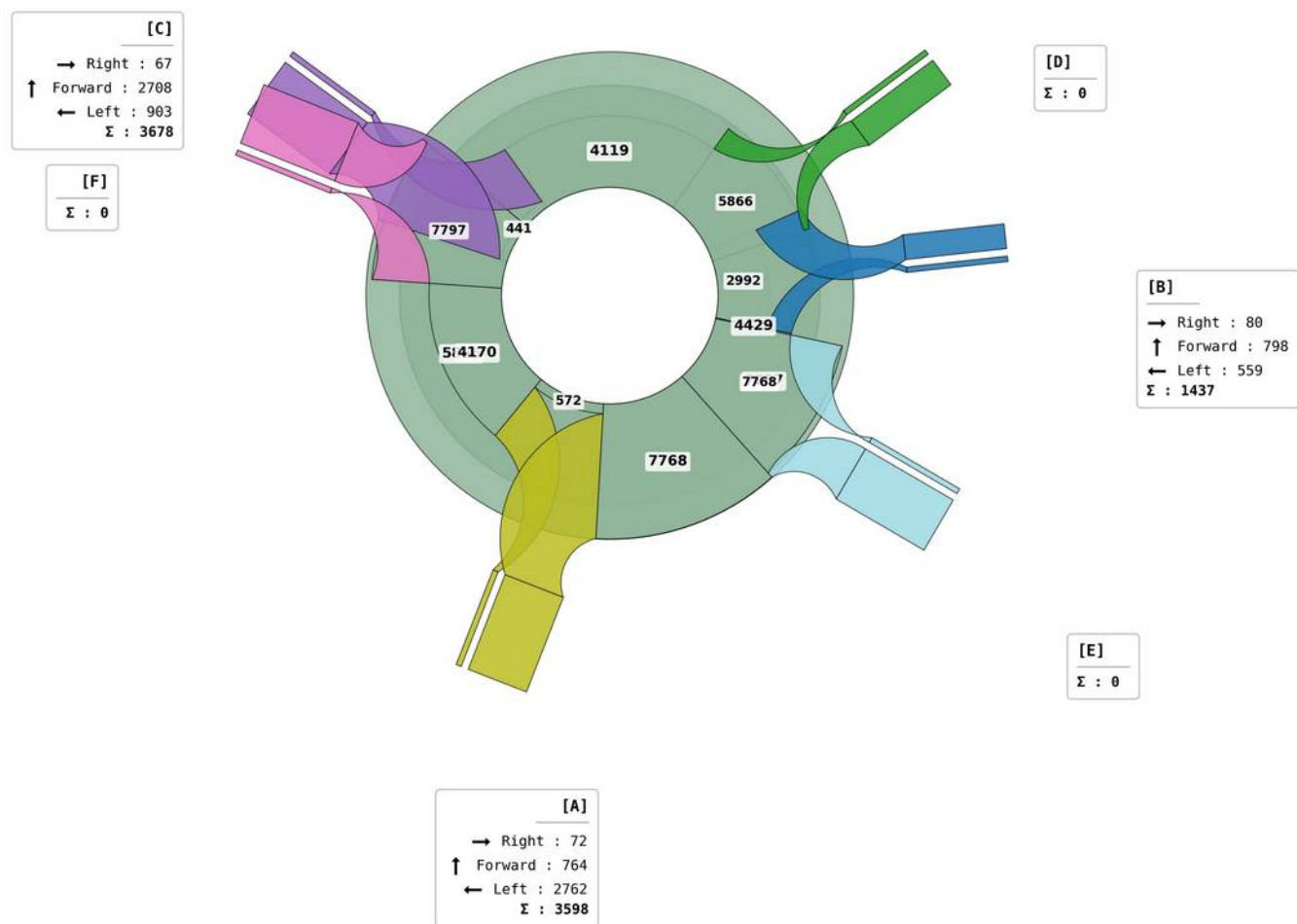


### 9. Traffic movement structure over time

#### Traffic movement structure

Number and percentage share of movements in measured road traffic:

- Movement **AD (A -> D)**, **764 vehicles**, share **8.77%**.
- Movement **AE (A -> E)**, **72 vehicles**, share **0.83%**.
- Movement **AF (A -> F)**, **2762 vehicles**, share **31.70%**.
- Movement **BD (B -> D)**, **80 vehicles**, share **0.92%**.
- Movement **BE (B -> E)**, **559 vehicles**, share **6.42%**.
- Movement **BF (B -> F)**, **798 vehicles**, share **9.16%**.
- Movement **CD (C -> D)**, **903 vehicles**, share **10.36%**.
- Movement **CE (C -> E)**, **2708 vehicles**, share **31.08%**.
- Movement **CF (C -> F)**, **67 vehicles**, share **0.77%**.



## 10. Circular cartogram of traffic relations.

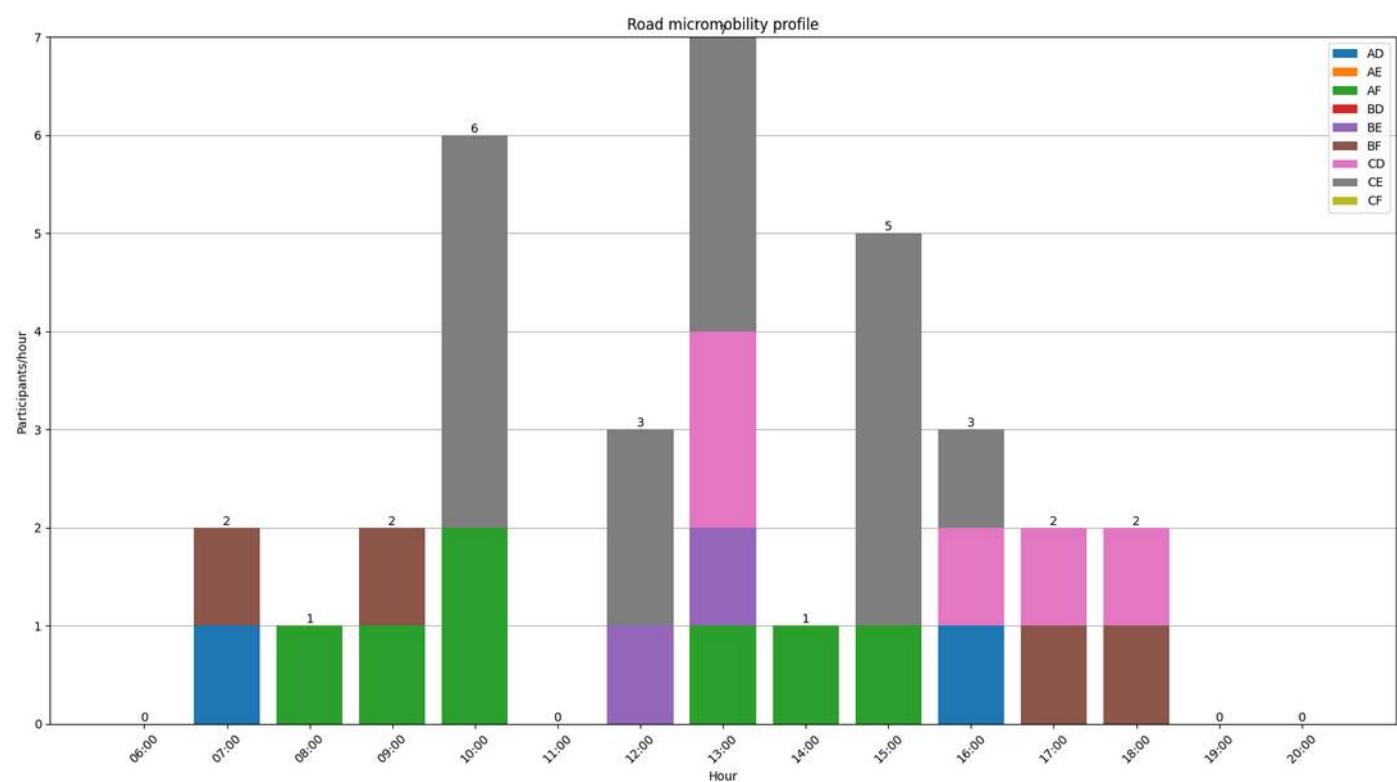
### Traffic category structure by entrance

Number of vehicles by category

| Entrance description | CAR   | LGV | OGV <sub>1</sub> | OGV <sub>2</sub> | Bus | Mc | Pc |
|----------------------|-------|-----|------------------|------------------|-----|----|----|
| A                    | 3 326 | 141 | 31               | 1                | 32  | 67 | 0  |
| C                    | 3 396 | 133 | 44               | 3                | 38  | 64 | 0  |
| B                    | 1 367 | 40  | 10               | 1                | 0   | 19 | 0  |

### 3.2 Road micromobility

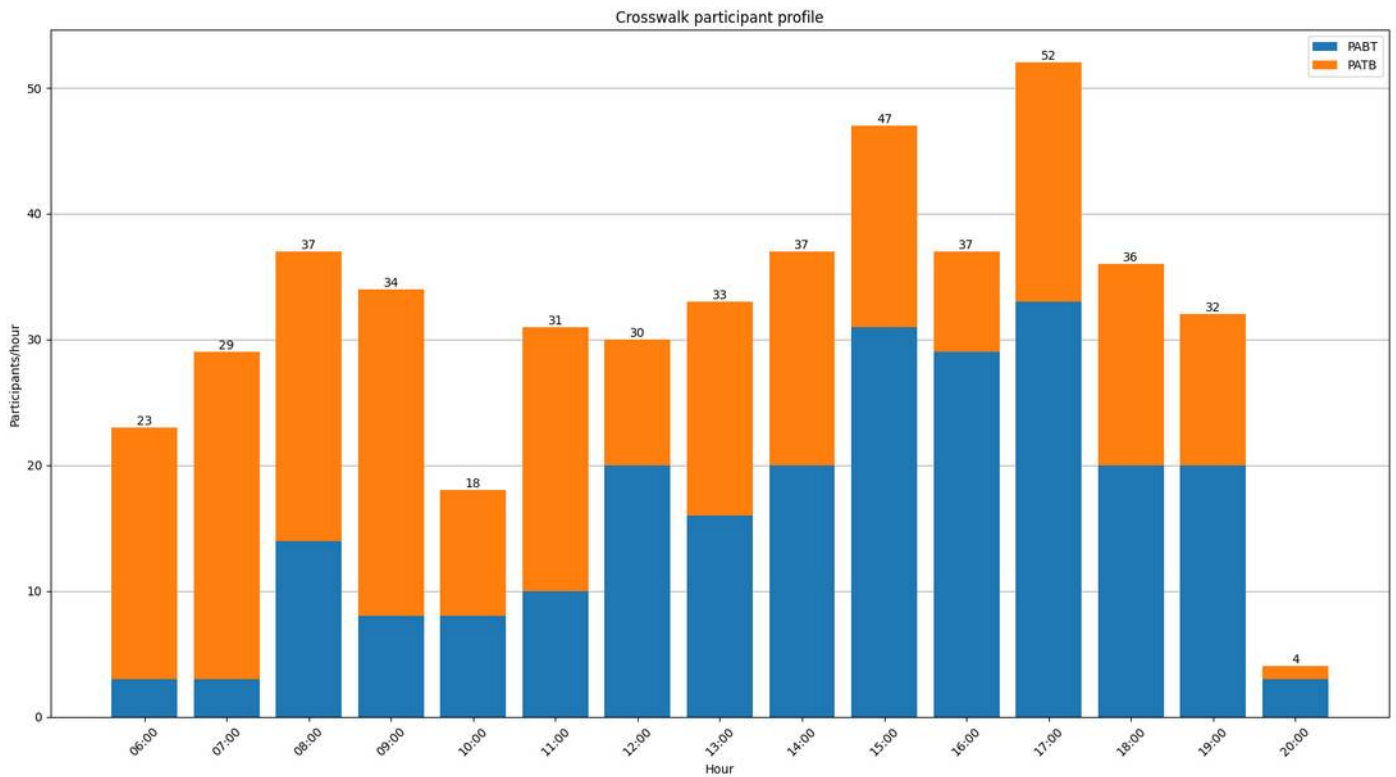
Road movements contained **34** micromobility participants; their share of all road participants was **0.39%**.



11. Road micromobility profile

| Participant group          | Quantity and share |
|----------------------------|--------------------|
| Bicycles                   | 32 (94.1%)         |
| Personal transport devices | 0 (0.0%)           |
| Scooters                   | 2 (5.9%)           |

### 3.3 Crosswalk participants



#### 12. Crosswalk participant profile

| Participant group          | Quantity |
|----------------------------|----------|
| Pedestrians                | 471      |
| Bicycles                   | 9        |
| Personal transport devices | 0        |
| Scooters                   | 0        |
| Total participants         | 480      |

- Crosswalk movement **PABT: 238 participants.**
- Crosswalk movement **PATB: 242 participants.**

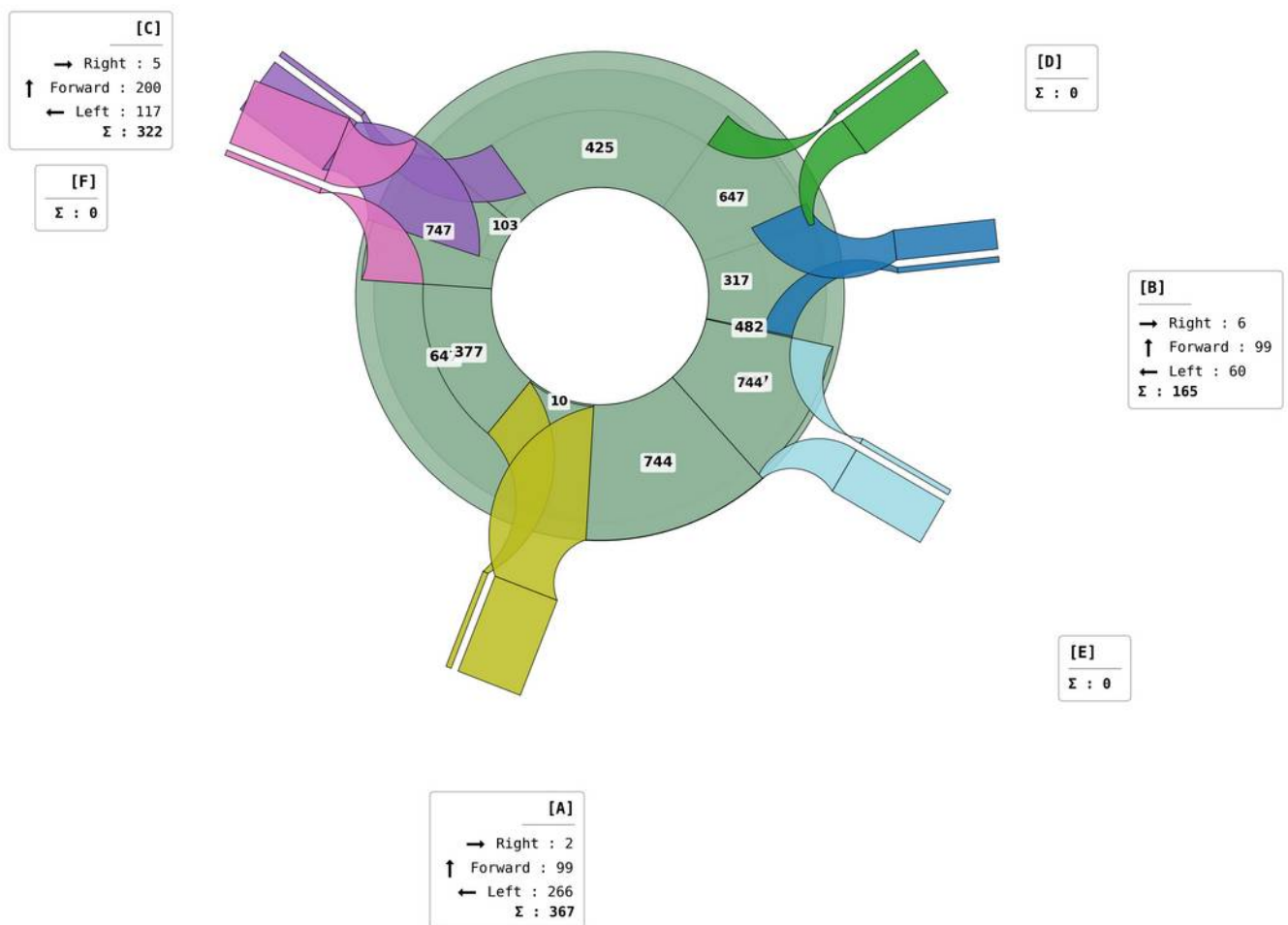
### 3.4 Observed and daily traffic

The sum of passages through the junction in the measurement period was **8713 vehicles** (06:00–20:14). No daily road cross-section or SDRR value is assigned without an explicit movement group for that road.

### 3.5 Peak hours

| Period       | Hour        | Vehicles | Crosswalk pedestrians | Crosswalk micromobility | All crosswalk participants | Road micromobility | PHF  |
|--------------|-------------|----------|-----------------------|-------------------------|----------------------------|--------------------|------|
| Morning peak | 08:00–09:00 | 854      | 36                    | 1                       | 37                         | 1                  | 0.94 |
| Midday peak  | 12:00–13:00 | 671      | 30                    | 0                       | 30                         | 3                  | 0.91 |

| Period         | Hour        | Vehicles | Crosswalk pedestrians | Crosswalk micromobility | All crosswalk participants | Road micromobility | PHF  |
|----------------|-------------|----------|-----------------------|-------------------------|----------------------------|--------------------|------|
| Afternoon peak | 15:00–16:00 | 870      | 46                    | 1                       | 47                         | 5                  | 0.78 |

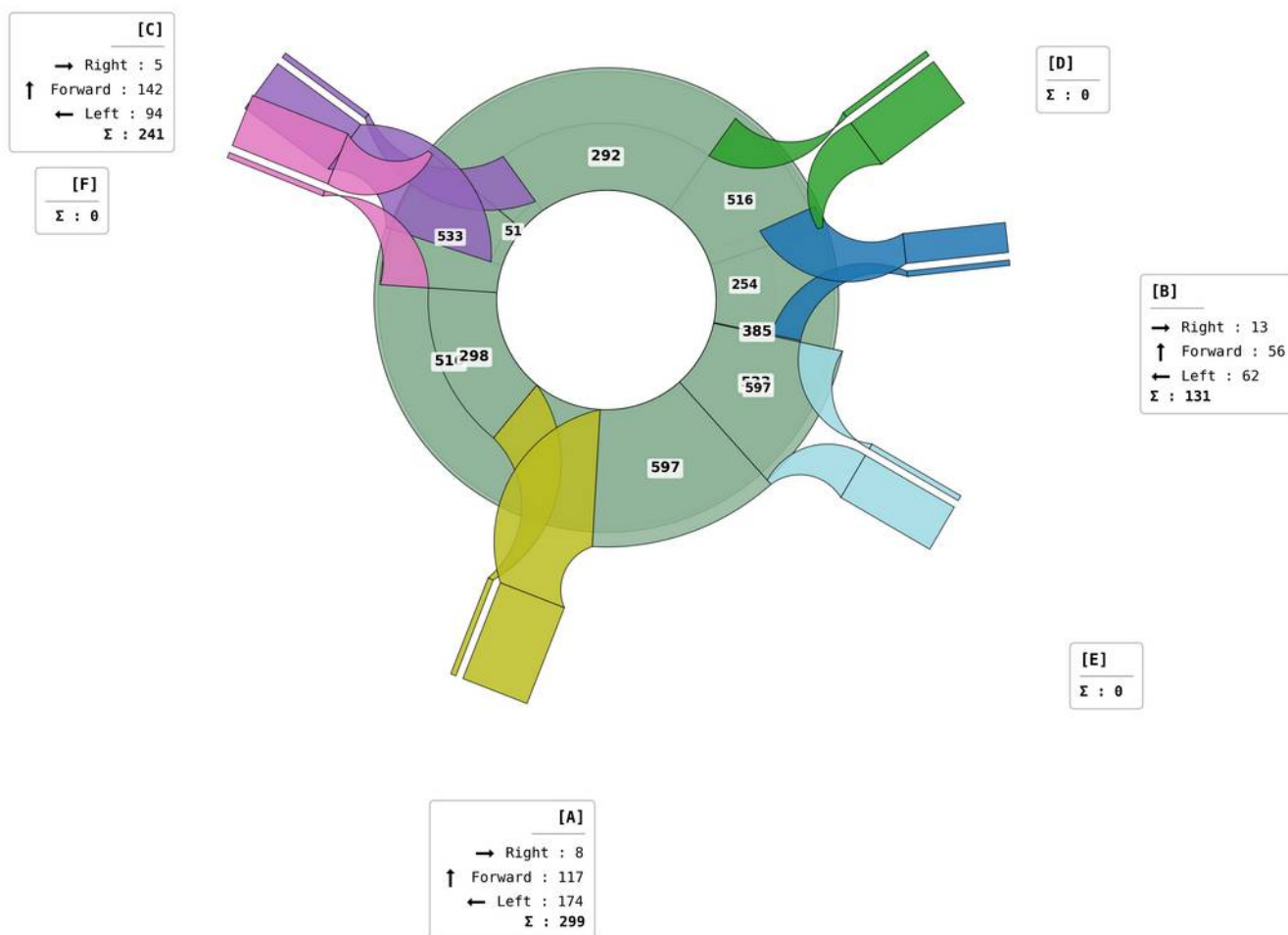


### 13. Traffic cartogram: Morning peak, 08:00–09:00

#### Traffic category structure by entrance: Morning peak, 08:00–09:00

Number of vehicles by category

| Entrance description | CAR | LGV | OGV <sub>1</sub> | OGV <sub>2</sub> | Bus | Mc | Pc |
|----------------------|-----|-----|------------------|------------------|-----|----|----|
| A                    | 345 | 13  | 2                | 0                | 5   | 2  | 0  |
| C                    | 310 | 4   | 4                | 0                | 3   | 1  | 0  |
| B                    | 164 | 1   | 0                | 0                | 0   | 0  | 0  |

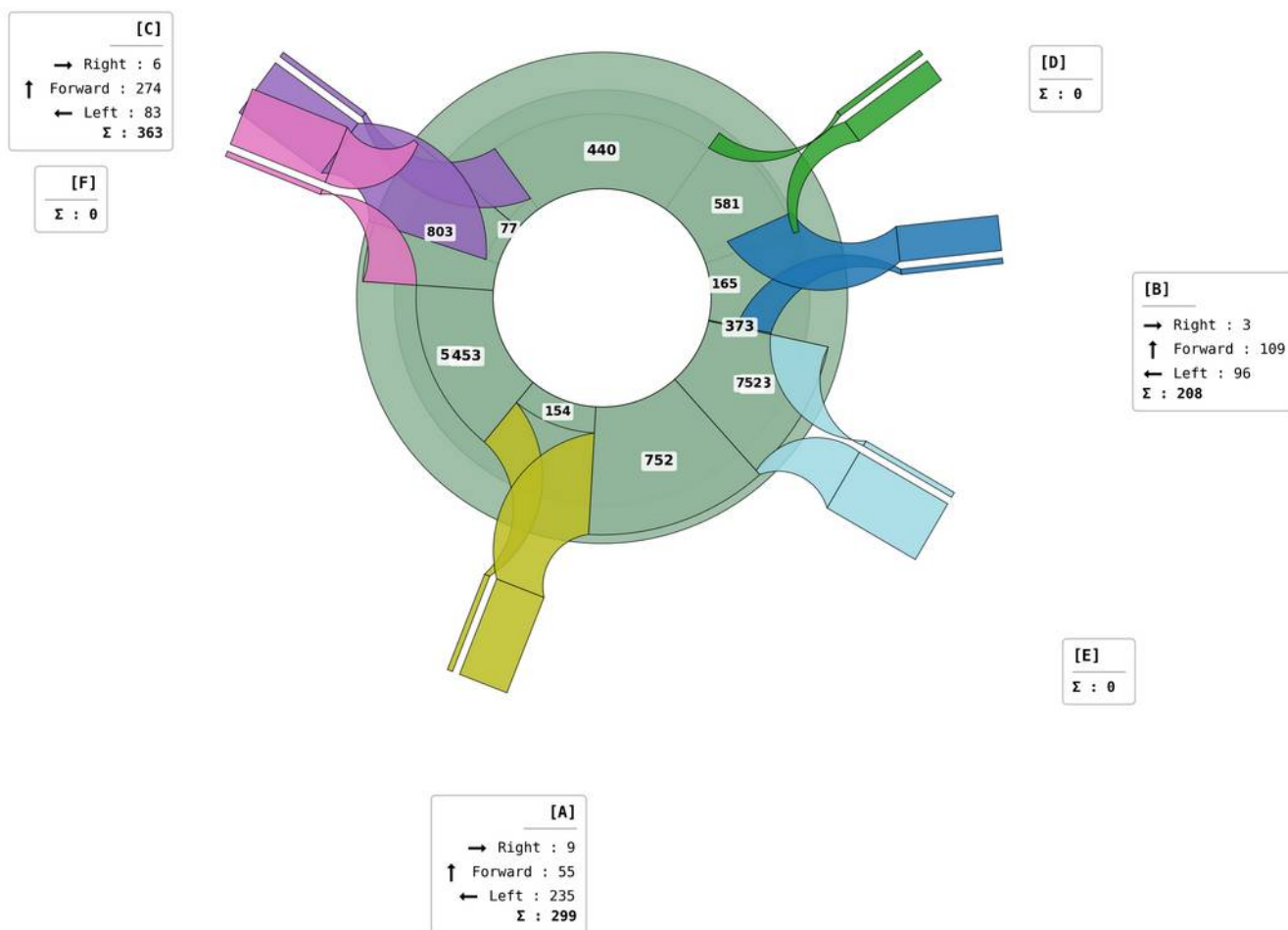


#### 14. Traffic cartogram: Midday peak, 12:00–13:00

#### Traffic category structure by entrance: Midday peak, 12:00–13:00

Number of vehicles by category

| Entrance description | CAR | LGV | OGV <sub>1</sub> | OGV <sub>2</sub> | Bus | Mc | Pc |
|----------------------|-----|-----|------------------|------------------|-----|----|----|
| A                    | 263 | 20  | 7                | 0                | 2   | 7  | 0  |
| C                    | 221 | 9   | 5                | 0                | 2   | 4  | 0  |
| B                    | 124 | 4   | 2                | 1                | 0   | 0  | 0  |



### 15. Traffic cartogram: Afternoon peak, 15:00–16:00

#### Traffic category structure by entrance: Afternoon peak, 15:00–16:00

Number of vehicles by category

| Entrance description | CAR | LGV | OGV <sub>1</sub> | OGV <sub>2</sub> | Bus | Mc | Pc |
|----------------------|-----|-----|------------------|------------------|-----|----|----|
| A                    | 270 | 11  | 3                | 0                | 9   | 6  | 0  |
| C                    | 341 | 4   | 3                | 0                | 11  | 4  | 0  |
| B                    | 203 | 3   | 1                | 0                | 0   | 1  | 0  |

### 3.6 Peak profiles for traffic forecasting

The measurement date is unavailable, so the workday/weekend peak profile cannot be determined. Set the measurement date in reporting settings.

### 3.7 Traffic at different times of day

| Population             | Day 06:00–18:00 | Evening 18:00–22:00 | Night 22:00–06:00 | Total |
|------------------------|-----------------|---------------------|-------------------|-------|
| Road vehicles          | 7 401 (84.9%)   | 1 312 (15.1%)       | 0 (0.0%)          | 8 713 |
| Road micromobility     | 32 (94.1%)      | 2 (5.9%)            | 0 (0.0%)          | 34    |
| Crosswalk participants | 408 (85.0%)     | 72 (15.0%)          | 0 (0.0%)          | 480   |