

# KCLT - Charlotte - Charlotte Douglas Intl

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## Airport details

|             |                          |
|-------------|--------------------------|
| State       | North Carolina           |
| Country     | United States of America |
| Region      | K7                       |
| Elevation   | 749ft (228m)             |
| Timezone    | GMT -5                   |
| Coordinates | 35.21374, -80.94907      |
| Type        | land                     |
| ICAO code   | KCLT                     |
| IATA code   | CLT                      |
| FAA code    | CLT                      |

## Runway info

|                  |                             |
|------------------|-----------------------------|
| Runway 5 / 23    |                             |
| length           | 2286m (7500ft)              |
| bearing          | 54° / 234°                  |
| width            | 46m (151ft)                 |
| surface          | asphalt                     |
| blast zone       | 46m (151ft) / 46m (151ft)   |
| Runway 18L / 36R |                             |
| length           | 2654m (8707ft)              |
| bearing          | 175° / 355°                 |
| width            | 46m (151ft)                 |
| surface          | concrete                    |
| blast zone       | 140m (459ft) / 61m (200ft)  |
| Runway 18R / 36L |                             |
| length           | 2750m (9022ft)              |
| bearing          | 175° / 355°                 |
| width            | 46m (151ft)                 |
| surface          | concrete                    |
| blast zone       | 130m (427ft) / 122m (400ft) |
| Runway 18C / 36C |                             |
| length           | 3056m (10026ft)             |
| bearing          | 175° / 355°                 |
| width            | 46m (151ft)                 |
| surface          | concrete                    |
| blast zone       | 61m (200ft) / 61m (200ft)   |

## Communication

|                               |         |
|-------------------------------|---------|
| Charlotte Douglas Intl ATIS-A | 121.150 |
| Charlotte Douglas Intl ATIS-D | 132.100 |
| Charlotte Douglas Intl ATIS-A | 121.150 |

|  |         |
|--|---------|
| Charlotte Douglas Intl ATIS-D              | 132.100 |
| Charlotte Douglas Intl ATIS-A              | 121.150 |
| Charlotte Douglas Intl ATIS-D              | 132.100 |
| Charlotte Douglas Intl ATIS-A              | 121.150 |
| Charlotte Douglas Intl ATIS-D              | 132.100 |
| Charlotte Douglas Intl UNICOM              | 122.950 |
| Charlotte Douglas Intl UNICOM              | 122.950 |
| Charlotte Douglas Intl UNICOM              | 122.950 |
| Charlotte Douglas Intl UNICOM              | 122.950 |
| Charlotte Douglas Intl CLNC DEL            | 127.150 |
| Charlotte Douglas Intl CLNC DEL            | 127.150 |
| Charlotte Douglas Intl CLNC DEL            | 127.150 |
| Charlotte Douglas Intl CLNC DEL            | 127.150 |
| Charlotte Douglas Intl GND                 | 121.900 |
| Charlotte Douglas Intl GND                 | 121.900 |
| Charlotte Douglas Intl GND                 | 121.900 |
| Charlotte Douglas Intl GND                 | 121.900 |
| Charlotte Douglas Intl TWR                 | 126.400 |
| Charlotte Douglas Intl TWR                 | 126.400 |
| Charlotte Douglas Intl TWR                 | 126.400 |
| Charlotte Douglas Intl TWR                 | 126.400 |
| Charlotte Douglas Intl CHARLOTTE APPROACH  | 128.325 |
| Charlotte Douglas Intl CHARLOTTE APPROACH  | 128.325 |
| Charlotte Douglas Intl CHARLOTTE APPROACH  | 128.325 |
| Charlotte Douglas Intl CHARLOTTE APPROACH  | 128.325 |
| Charlotte Douglas Intl CHARLOTTE DEPARTURE | 120.050 |
| Charlotte Douglas Intl CHARLOTTE DEPARTURE | 120.050 |
| Charlotte Douglas Intl CHARLOTTE DEPARTURE | 120.050 |
| Charlotte Douglas Intl CHARLOTTE DEPARTURE | 120.050 |

## Approach frequencies

|             |     |        |         |
|-------------|-----|--------|---------|
| ILS-cat-III | 18R | 110.15 | 18.00mi |
| ILS-cat-III | 36C | 111.7  | 18.00mi |
| ILS-cat-III | 36R | 108.9  | 18.00mi |
| ILS-cat-III | 36L | 110.15 | 18.00mi |
| ILS-cat-I   | 18L | 110.35 | 18.00mi |
| ILS-cat-I   | 18C | 111.3  | 18.00mi |
| ILS-cat-I   | 05  | 110.95 | 18.00mi |
| ILS-cat-I   | 23  | 109.5  | 18.00mi |
| 3° GS       | 36L | 110.15 | 18.00mi |

|       |     |        |         |
|-------|-----|--------|---------|
| 3° GS | 23  | 109.5  | 18.00mi |
| 3° GS | 18L | 110.35 | 18.00mi |
| 3° GS | 36R | 108.9  | 18.00mi |
| 3° GS | 05  | 110.95 | 18.00mi |
| 3° GS | 18R | 110.15 | 18.00mi |
| 3° GS | 36C | 111.7  | 18.00mi |
| 3° GS | 18C | 111.3  | 18.00mi |

## Nearby beacons

| code | identifier                          | dist | bearing | frequency |
|------|-------------------------------------|------|---------|-----------|
| CLT  | CHARLOTTE VOR/DME                   | 1.4  | 186.5°  | 115       |
| GHJ  | STONIA (GASTONIA) NDB               | 10.3 | 263.9°  | 260       |
| UZ   | RALLY (ROCK HILL) NDB               | 20.4 | 202.1°  | 227       |
| DCM  | CHESTER NDB                         | 28.5 | 210.4°  | 220       |
| LKR  | LANCASTER NDB                       | 29.8 | 169.6°  | 400       |
| SLP  | FIRST RIVER (SHELBY) NDB            | 31.9 | 273.4°  | 417       |
| RU   | ROVDY (SALISBURY) NDB               | 38.4 | 41.4°   | 275       |
| HK   | TAWBA (HICKORY) NDB                 | 38.5 | 328.1°  | 332       |
| BZM  | BARRETT'S MOUNTAIN (HICKOR VOR/DME) | 41.8 | 336°    | 113.75    |
| VU   | ALLER (ALBEMARLE) NDB               | 45.5 | 72.3°   | 346       |
| FIQ  | FIDDLERS (MORGANTON) NDB            | 46.2 | 304.5°  | 391       |
| UOT  | UNION COUNTY NDB                    | 46.6 | 232.6°  | 326       |
| CTF  | CHESTERFIELD VOR/DME                | 47.3 | 129.8°  | 108.20    |
| SPA  | SPARTANBURG VORTAC                  | 49.2 | 259.5°  | 115.70    |
| HVS  | HARTSVILLE NDB                      | 63.4 | 134.2°  | 341       |
| EOE  | ENOREE (NEWBERRY) NDB               | 63.9 | 217.2°  | 278       |
| IN   | REENO (WINSTON SALEM) NDB           | 64   | 42.3°   | 317       |
| GSO  | GREENSBORO VORTAC                   | 68.9 | 49.4°   | 116.20    |
| BAR  | HEMLOCK (BANNER ELK) NDB            | 72.4 | 315.2°  | 320       |

## Departure and arrival routes

|                     |         |
|---------------------|---------|
| Transition altitude | 18000ft |
| Transition level    | 18000ft |

| SID end points | distance | outbound direction |
|----------------|----------|--------------------|
| ALL            |          |                    |
|                | KNI2     | 52.8 90°           |
| RW05           |          |                    |
|                | KRITR5   | 43.5 9°            |
|                | KILNS4   | 120.0 65°          |
|                | BARMY4   | 164.9 77°          |
|                | LILLS2   | 52.7 105°          |
|                | CLT2     | 35.4 113°          |
|                | KWEEN4   | 60.3 172°          |
|                | ICONS4   | 74.0 184°          |
|                | KER3     | 131.0 193°         |

|       |        |       |      |
|-------|--------|-------|------|
|       | BEAVY5 | 84.4  | 194° |
|       | ESTRR4 | 106.7 | 245° |
|       | BOBZY4 | 52.1  | 264° |
|       | JOJJO4 | 208.0 | 281° |
|       | WEAZL4 | 73.0  | 351° |
| RW18C |        |       |      |
|       | KRITR5 | 43.5  | 9°   |
|       | KILNS4 | 120.0 | 65°  |
|       | BARMY4 | 164.9 | 77°  |
|       | LILLS2 | 52.7  | 105° |
|       | CLT2   | 35.4  | 113° |
|       | KWEEN4 | 60.3  | 172° |
|       | ICONS4 | 74.0  | 184° |
|       | KER3   | 131.0 | 193° |
|       | BEAVY5 | 84.4  | 194° |
|       | ESTRR4 | 106.7 | 245° |
|       | BOBZY4 | 52.1  | 264° |
|       | JOJJO4 | 208.0 | 281° |
|       | WEAZL4 | 73.0  | 351° |
| RW18L |        |       |      |
|       | KRITR5 | 43.5  | 9°   |
|       | KILNS4 | 120.0 | 65°  |
|       | BARMY4 | 164.9 | 77°  |
|       | LILLS2 | 52.7  | 105° |
|       | CLT2   | 35.4  | 113° |
|       | KWEEN4 | 60.3  | 172° |
|       | ICONS4 | 74.0  | 184° |
|       | KER3   | 131.0 | 193° |
|       | BEAVY5 | 84.4  | 194° |
|       | ESTRR4 | 106.7 | 245° |
|       | BOBZY4 | 52.1  | 264° |
|       | JOJJO4 | 208.0 | 281° |
|       | WEAZL4 | 73.0  | 351° |
| RW18R |        |       |      |
|       | KRITR5 | 43.5  | 9°   |
|       | KILNS4 | 120.0 | 65°  |
|       | BARMY4 | 164.9 | 77°  |
|       | LILLS2 | 52.7  | 105° |
|       | CLT2   | 35.4  | 113° |
|       | KWEEN4 | 60.3  | 172° |
|       | ICONS4 | 74.0  | 184° |
|       | KER3   | 131.0 | 193° |
|       | BEAVY5 | 84.4  | 194° |
|       | ESTRR4 | 106.7 | 245° |
|       | BOBZY4 | 52.1  | 264° |
|       | JOJJO4 | 208.0 | 281° |
|       | WEAZL4 | 73.0  | 351° |
| RW23  |        |       |      |

|       |        |       |      |
|-------|--------|-------|------|
|       | KRITR5 | 43.5  | 9°   |
|       | KILNS4 | 120.0 | 65°  |
|       | BARMY4 | 164.9 | 77°  |
|       | LILLS2 | 52.7  | 105° |
|       | CLT2   | 35.4  | 113° |
|       | KWEEN4 | 60.3  | 172° |
|       | ICONS4 | 74.0  | 184° |
|       | KER3   | 131.0 | 193° |
|       | BEAVY5 | 84.4  | 194° |
|       | ESTRR4 | 106.7 | 245° |
|       | BOBZY4 | 52.1  | 264° |
|       | JOJJO4 | 208.0 | 281° |
|       | WEAZL4 | 73.0  | 351° |
| RW36C |        |       |      |
|       | KRITR5 | 43.5  | 9°   |
|       | KILNS4 | 120.0 | 65°  |
|       | BARMY4 | 164.9 | 77°  |
|       | LILLS2 | 52.7  | 105° |
|       | CLT2   | 35.4  | 113° |
|       | KWEEN4 | 60.3  | 172° |
|       | ICONS4 | 74.0  | 184° |
|       | KER3   | 131.0 | 193° |
|       | BEAVY5 | 84.4  | 194° |
|       | ESTRR4 | 106.7 | 245° |
|       | BOBZY4 | 52.1  | 264° |
|       | JOJJO4 | 208.0 | 281° |
|       | WEAZL4 | 73.0  | 351° |
| RW36L |        |       |      |
|       | KRITR5 | 43.5  | 9°   |
|       | KILNS4 | 120.0 | 65°  |
|       | BARMY4 | 164.9 | 77°  |
|       | LILLS2 | 52.7  | 105° |
|       | CLT2   | 35.4  | 113° |
|       | KWEEN4 | 60.3  | 172° |
|       | ICONS4 | 74.0  | 184° |
|       | KER3   | 131.0 | 193° |
|       | BEAVY5 | 84.4  | 194° |
|       | ESTRR4 | 106.7 | 245° |
|       | BOBZY4 | 52.1  | 264° |
|       | JOJJO4 | 208.0 | 281° |
|       | WEAZL4 | 73.0  | 351° |
| RW36R |        |       |      |
|       | KRITR5 | 43.5  | 9°   |
|       | KILNS4 | 120.0 | 65°  |
|       | BARMY4 | 164.9 | 77°  |
|       | LILLS2 | 52.7  | 105° |
|       | CLT2   | 35.4  | 113° |
|       | KWEEN4 | 60.3  | 172° |

|        |       |      |
|--------|-------|------|
| ICONS4 | 74.0  | 184° |
| KER3   | 131.0 | 193° |
| BEAVY5 | 84.4  | 194° |
| ESTRR4 | 106.7 | 245° |
| BOBZY4 | 52.1  | 264° |
| JOJJO4 | 208.0 | 281° |
| WEAZL4 | 73.0  | 351° |

| <b>STAR starting points</b> | <b>distance</b> | <b>inbound direction</b> |
|-----------------------------|-----------------|--------------------------|
|-----------------------------|-----------------|--------------------------|

ALL

|        |      |      |
|--------|------|------|
| UNARM6 | 47.8 | 51°  |
| LIINN3 | 50.4 | 110° |
| BTSEY2 | 34.2 | 144° |
| MAJIC4 | 43.8 | 221° |
| RASLN3 | 40.7 | 302° |

RW05

|        |      |      |
|--------|------|------|
| BANKR2 | 44.0 | 38°  |
| CHPTR3 | 44.5 | 39°  |
| JONZE2 | 39.3 | 51°  |
| FILPZ3 | 58.6 | 108° |
| PARQR3 | 39.8 | 144° |
| CHSLY5 | 35.1 | 221° |
| MLLET2 | 30.3 | 304° |
| STOCR3 | 47.3 | 315° |

RW18 (ALL)

|        |      |      |
|--------|------|------|
| BANKR2 | 44.0 | 38°  |
| CHPTR3 | 44.5 | 39°  |
| JONZE2 | 39.3 | 51°  |
| FILPZ3 | 58.6 | 108° |
| PARQR3 | 39.8 | 144° |
| CHSLY5 | 35.1 | 221° |
| MLLET2 | 30.3 | 304° |
| STOCR3 | 47.3 | 315° |

RW23

|        |      |      |
|--------|------|------|
| BANKR2 | 44.0 | 38°  |
| CHPTR3 | 44.5 | 39°  |
| JONZE2 | 39.3 | 51°  |
| FILPZ3 | 58.6 | 108° |
| PARQR3 | 39.8 | 144° |
| CHSLY5 | 35.1 | 221° |
| MLLET2 | 30.3 | 304° |
| STOCR3 | 47.3 | 315° |

RW36 (ALL)

|        |      |      |
|--------|------|------|
| BANKR2 | 44.0 | 38°  |
| CHPTR3 | 44.5 | 39°  |
| JONZE2 | 39.3 | 51°  |
| FILPZ3 | 58.6 | 108° |
| PARQR3 | 39.8 | 144° |

|        |      |      |
|--------|------|------|
| CHSLY5 | 35.1 | 221° |
| MLLET2 | 30.3 | 304° |
| STOCR3 | 47.3 | 315° |

## Holding patterns

| STAR name | hold at | type | turn  | heading*   | altitude  | leg          | speed limit |
|-----------|---------|------|-------|------------|-----------|--------------|-------------|
| BANKR2    | BANKR   | VHF  | right | 218 (38)°  |           | DME 10.0mi   | ICAO rules  |
| BTSEY2    | BTSEY   | VHF  | left  | 336 (156)° |           | DME 10.0mi   | ICAO rules  |
| CHPTR3    | EYPAD   | VHF  | right | 218 (38)°  |           | DME 10.0mi   | ICAO rules  |
| CHPTR3    | GRD     | NDB  | right | 227 (47)°  | < 17999ft | 1.0min timed | ICAO rules  |
| CHSLY5    | BLUEJ   | VHF  | right | 41 (221)°  |           | DME 10.0mi   | ICAO rules  |
| CHSLY5    | CHSLY   | VHF  | left  | 41 (221)°  |           | DME 10.0mi   | ICAO rules  |
| CHSLY5    | FEDOX   | VHF  | right | 91 (271)°  |           | DME 10.0mi   | ICAO rules  |
| CHSLY5    | PELTS   | VHF  | right | 87 (267)°  |           | DME 10.0mi   | ICAO rules  |
| CHSLY5    | WRLLD   | VHF  | right | 41 (221)°  |           | DME 10.0mi   | ICAO rules  |
| FILPZ3    | FILPZ   | VHF  | left  | 293 (113)° |           | DME 10.0mi   | ICAO rules  |
| FILPZ3    | PHAYE   | VHF  | left  | 292 (112)° |           | DME 10.0mi   | ICAO rules  |
| JONZE2    | JONZE   | VHF  | left  | 245 (65)°  |           | DME 10.0mi   | ICAO rules  |
| JONZE2    | KUPPP   | VHF  | left  | 244 (64)°  |           | DME 10.0mi   | ICAO rules  |
| LIINN3    | LIINN   | VHF  | right | 302 (122)° |           | DME 10.0mi   | ICAO rules  |
| MAJIC4    | KELLS   | VHF  | right | 39 (219)°  |           | DME 15.0mi   | ICAO rules  |
| MAJIC4    | MAJIC   | VHF  | left  | 39 (219)°  |           | DME 10.0mi   | ICAO rules  |
| MLLET2    | RYFLE   | VHF  | left  | 128 (308)° |           | DME 10.0mi   | ICAO rules  |
| MLLET2    | YELLS   | VHF  | left  | 128 (308)° |           | DME 10.0mi   | ICAO rules  |
| PARQR3    | PARQR   | VHF  | left  | 338 (158)° |           | DME 10.0mi   | ICAO rules  |
| PARQR3    | SUZNN   | VHF  | left  | 338 (158)° |           | DME 10.0mi   | ICAO rules  |
| PARQR3    | WILUM   | VHF  | left  | 338 (158)° |           | DME 10.0mi   | ICAO rules  |
| RASLN3    | DSTEE   | VHF  | left  | 141 (321)° |           | DME 4.0mi    | ICAO rules  |
| RASLN3    | FLO     | NDB  | left  | 140 (320)° |           | 1.0min timed | ICAO rules  |
| RASLN3    | RODEZ   | VHF  | left  | 141 (321)° |           | DME 5.0mi    | ICAO rules  |
| STOCR3    | FLLGG   | VHF  | right | 216 (36)°  |           | DME 10.0mi   | ICAO rules  |
| STOCR3    | STOCR   | VHF  | left  | 161 (341)° |           | DME 10.0mi   | ICAO rules  |
| UNARM6    | GRD     | NDB  | right | 227 (47)°  | < 17999ft | 1.0min timed | ICAO rules  |
| UNARM6    | LOCKS   | VHF  | right | 232 (52)°  | < 17999ft | 1.0min timed | ICAO rules  |
| UNARM6    | UNARM   | VHF  | right | 233 (53)°  |           | DME 4.0mi    | ICAO rules  |

\*) magnetic outbound (inbound) holding course

## Disclaimer

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