

## Katalog Caldwell

EN emission nebula (mgł emisyjna); PN planetary nebula (mgł planearna); RN reflection nebula (mgł refleksyjna); DN dark nebula (mgł ciemna); SR supernova remnant (pozostałość supernowej); Gx galaxy (galaktyka); GC globular cluster (gromada kulista); OC open luster (gromada otwarta)

| Obiekt | Inne nazwy                                                | Typ  | Gwiazdozbiór | Jasność | Wielkość |
|--------|-----------------------------------------------------------|------|--------------|---------|----------|
| C1     | NGC 188                                                   | OC   | Cep          | 8,1     | 15'      |
| C2     | NGC 40                                                    | PN   | Cep          | 11,6    | 36"      |
| C3     | NGC 4236                                                  | Gx   | Dra          | 9,7     | 21'x7'   |
| C4     | NGC 7023                                                  | RN   | Cep          | 6,8     | 18'x18'  |
| C5     | IC 342                                                    | Gx   | Cam          | 9,2     | 18'x17'  |
| C6     | NGC 6543, Mgławica Kocie Oko (Cat's Eye)                  | PN   | Dra          | 8,8     | 18"      |
| C7     | NGC 2403                                                  | Gx   | Cam          | 8,9     | 18'x10'  |
| C8     | NGC 559                                                   | OC   | Cas          | 9,5     | 4'       |
| C9     | Sh2-155, Mgławica Grota (Cave)                            | EN   | Cep          | 7,7     | 50'x40'  |
| C10    | NGC 663                                                   | OC   | Cas          | 7,1     | 16'      |
| C11    | NGC 7635, Mgławica Bańka (Bubble)                         | EN   | Cas          | 8,5     | 15'x8'   |
| C12    | NGC 6946                                                  | Gx   | Cep          | 9,7     | 11'x9'   |
| C13    | NGC 457, E.T., Sowa (Owl or Phi Cas Cluster)              | OC   | Cas          | 6,4     | 13'      |
| C14    | NGC 869/884, Gr. Podwójna (Double Cluster, h and Chi Per) | 2xOC | Per          | 5,3+6,1 | 30'+30'  |

|     |                                                 |    |     |      |           |
|-----|-------------------------------------------------|----|-----|------|-----------|
| C15 | NGC 6826, Mgławica Mrugająca (Blinking Nebula)  | PN | Cyg | 9,8  | 25"       |
| C16 | NGC 7243                                        | OC | Lac | 6,4  | 21'       |
| C17 | NGC 147                                         | Gx | Cas | 9,3  | 13'x8'    |
| C18 | NGC 185                                         | Gx | Cas | 9,2  | 12'x9'    |
| C19 | IC 5146, Mgławica Kokon                         | EN | Cyg | 7,2  | 10'x10'   |
| C20 | NGC 7000, Ameryka Północna                      | EN | Cyg | 6,0  | 120'x100' |
| C21 | NGC 4449                                        | Gx | CVn | 9,4  | 5'x3'     |
| C22 | NGC 7662 Błękitna Śnieżka                       | PN | And | 9,2  | 0,3'x2,2' |
| C23 | NGC 891                                         | Gx | And | 9,9  | 14'x2'    |
| C24 | NGC 1275, Perseusz A                            | Gx | Per | 11,6 | 2,6'x1'   |
| C25 | NGC 2419                                        | Gc | Lyn | 10,4 | 4,1'      |
| C26 | NGC 4244                                        | Gx | CVn | 10,6 | 16'x2,5'  |
| C27 | NGC 6888, Mgławica Półksiężyc (Crescent Nebula) | EN | Cyg | 7,4  | 18'x13'   |
| C28 | NGC 752                                         | OC | And | 5,7  | 50'       |
| C29 | NGC 5005                                        | Gx | CVn | 9,8  | 5,4x2     |
| C30 | NGC 7331                                        | Gx | Peg | 9,5  | 11'x4'    |
| C31 | IC 405, Mgławica Płonąca Gwiazda (Flaming Star) | EN | Aur | 6,0  | 30'x19'   |
| C32 | NGC 4631                                        | Gx | CVn | 9,3  | 15'x3'    |
| C33 | NGC 6992/5, Welon Wschodni (Eastern Veil)       | SR | Cyg | 7,0  | 60'x8'    |
| C34 | NGC 6990, Welon Zachodni (Western Veil)         | SR | Cyg | 7,0  | 70'x6'    |

|     |                                              |    |     |      |           |
|-----|----------------------------------------------|----|-----|------|-----------|
| C35 | NGC 4889                                     | Gx | Com | 11,4 | 3'x2'     |
| C36 | NGC 4559                                     | Gx | Com | 9,8  | 10'x4'    |
| C37 | NGC 6885                                     | OC | Vul | 5,7  | 7'        |
| C38 | NGC 4565                                     | Gx | Com | 9,6  | 16'x3'    |
| C39 | NGC 2392, Mgławica Eskimos                   | PN | Gem | 9,9  | 47"x43"   |
| C40 | NGC 3626                                     | Gx | Leo | 10,9 | 3'x2'     |
| C41 | Melotte 25, Hiady                            | OC | Tau | 1,0  | 5,5°      |
| C42 | NGC 7006                                     | GC | Del | 10,6 | 2,8'      |
| C43 | NGC 7814                                     | Gx | Peg | 10,5 | 6'x2'     |
| C44 | <u>NGC 7479</u>                              | Gx | Peg | 11,0 | 4'x3'     |
| C45 | NGC 5248                                     | Gx | Boo | 10,2 | 6'x4'     |
| C46 | NGC 2261, Mgławica Zmienna Hubble'a          | RN | Mon | 10,0 | 2'x1'     |
| C47 | NGC 6934                                     | GC | Del | 8,9  | 5,9'      |
| C48 | NGC 2775                                     | Gx | Can | 10,3 | 4,5'x3'   |
| C49 | NGC 2237-9, Mgławica Rozeta (Rosette Nebula) | EN | Mon | 9,0  | 1,3°      |
| C50 | NGC 2244, Gromada w Rozecie                  | OC | Mon | 4,8  | 24'       |
| C51 | IC 1613                                      | Gx | Cet | 9,0  | 12'x11'   |
| C52 | NGC 4697                                     | Gx | Vir | 9,2  | 7,2'x4,7' |
| C53 | NGC 3115 Galaktyka Wrzeciono (Spindle)       | Gx | Sex | 9,1  | 8'x3'     |
| C54 | NGC 2506                                     | OC | Mon | 7,6  | 7'        |

|     |                                                        |       |     |      |           |
|-----|--------------------------------------------------------|-------|-----|------|-----------|
| C55 | NGC 7009, Mgławica Saturn                              | PN    | Aqr | 8,3  | 2,5'x1'   |
| C56 | NGC 246                                                | PN    | Cet | 8,0  | 3,8'      |
| C57 | NGC 6822, Galaktyka Barnarda                           | Gx    | Sag | 9,3  | 10'x9'    |
| C58 | NGC 2360                                               | OC    | CMa | 7,2  | 13'       |
| C59 | NGC 3242, Duch Jowisza (Ghost of Jupiter)              | PN    | Hyd | 8,6  | 40"       |
| C60 | NGC 4038, Czułki (Antennae)                            | Gx    | Cor | 11,3 | 2,6'x1,8' |
| C61 | NGC 4039, Czułki (Antennae)                            | Gx    | Cor | 13   | 3,2'x1,2' |
| C62 | NGC 247                                                | Gx    | Cet | 8,9  | 20'x7'    |
| C63 | NGC 7293, Mgławica Ślimak (Helix)                      | PN    | Aqr | 6,5  | 13'       |
| C64 | NGC 2362, Gromada Tau CMa (Tau CMa Cluster)            | OC    | CMa | 4,1  | 8'        |
| C65 | NGC 253, Galaktyka w Rzeźbiarzu                        | Gx    | Scl | 7,1  | 25' × 7'  |
| C66 | NGC 5694                                               | GC    | Hyd | 10,2 | 3,6'      |
| C67 | NGC 1097                                               | Gx    | For | 9,2  | 9'x6'     |
| C68 | NGC 6729, Mgławica R Korony Południowej (R CrA Nebula) | EN/RN | CrA | 9,7  | 1'        |
| C69 | NGC 6302, Mgławica Robak lub Motyl (Bug or Butterfly)  | PN    | Sco | 12,8 | 48"       |
| C70 | NGC 300, galaktyka w grupie Rzeźbiarza                 | Gx    | Scl | 8,1  | 20'x13'   |
| C71 | NGC 2477                                               | OC    | Pup | 5,8  | 27'       |
| C72 | NGC 55, galaktyka w grupie Rzeźbiarza                  | Gx    | Scl | 8,2  | 32'x6'    |
| C73 | NGC 1851                                               | GC    | Col | 7,3  | 11'       |
| C74 | NGC 3132                                               | PN    | Vel | 8,2  | 48"       |

|     |                                                 |    |     |     |         |
|-----|-------------------------------------------------|----|-----|-----|---------|
| C75 | NGC 6124                                        | OC | Sco | 5,8 | 29'     |
| C76 | NGC 6231                                        | OC | Sco | 2,6 | 15'     |
| C77 | NGC 5128, radioźródło Centaurus A               | Gx | Cen | 7,0 | 18'x14' |
| C78 | NGC 6541                                        | GC | CrA | 6,6 | 13'     |
| C79 | NGC 3201                                        | GC | Vel | 6,7 | 18'     |
| C80 | NGC 5139, Omega Centauri                        | GC | Cen | 3,6 | 36'     |
| C81 | NGC 6352                                        | GC | Ara | 8,1 | 7'      |
| C82 | NGC 6193                                        | OC | Ara | 5,2 | 15'     |
| C83 | NGC 4945                                        | Gx | Cen | 9,5 | 20'x4'  |
| C84 | NGC 5286                                        | GC | Cen | 7,6 | 9'      |
| C85 | IC 2391, Gromada Omikron Żagla (Omicron Vel Cl) | OC | Vel | 2,5 | 50'     |
| C86 | NGC 6397                                        | GC | Ara | 5,6 | 26'     |
| C87 | NGC 1261                                        | GC | Hor | 8,4 | 7'      |
| C88 | NGC 5823                                        | OC | Cir | 7,9 | 10'     |
| C89 | NGC 6067, Mgławica S Węgielnicy (S Normae Cl)   | OC | Nor | 5,4 | 12'     |
| C90 | NGC 2867                                        | PN | Car | 9,7 | 12''    |
| C91 | NGC 3532                                        | OC | Car | 3   | 55'     |
| C92 | NGC 3372, Mgławica Eta Kilu (Eta Car Nebula)    | EN | Car | 6,2 | 2°      |
| C93 | NGC 6752                                        | GC | Pav | 5,4 | 20'     |
| C94 | NGC 4755, Szkatułka (Jewel Box Cluster)         | OC | Cru | 4,2 | 10'     |

|      |                                                     |    |     |      |         |
|------|-----------------------------------------------------|----|-----|------|---------|
| C95  | NGC 6025                                            | OC | TrA | 5,1  | 12      |
| C96  | NGC 2516                                            | OC | Car | 3,8  | 30      |
| C97  | NGC 3766                                            | OC | Cen | 5,3  | 12'     |
| C98  | NGC 4609                                            | OC | Cru | 6,9  | 5'      |
| C99  | Worek Węgla ( <u>Coalsack</u> Dark Nebula)          | DN | Cru | -    | 6,5°x5° |
| C100 | IC 2944, Gromada Gamma Centaura (Gamma Cen Cluster) | OC | Cen | 4,5  | 15'     |
| C101 | NGC 6744                                            | Gx | Pav | 9    | 16'x10' |
| C102 | IC 2602, the Theta Car Cluster                      | OC | Car | 1,9  | 50'     |
| C103 | NGC 2070, Mgławica Tarantula                        | EN | Car | 1,0  | 40'x25' |
| C104 | NGC 362                                             | GC | Tuc | 6,6  | 13'     |
| C105 | NGC 4833                                            | GC | Mus | 7,3  | 14'     |
| C106 | NGC 104, 47 Tucanae                                 | GC | Tuc | 4,0  | 31'     |
| C107 | NGC 6101                                            | GC | Aps | 9,3  | 11'     |
| C108 | NGC 4372                                            | GC | Mus | 7,8  | 19"     |
| C109 | NGC 3195                                            | PN | Cha | 11,5 | 36"     |