```fortran
SUBROUTINE opernlb_ylm(...)
  IF ((choice.EQ.1).AND.(paw_opt.EQ.3).AND.(cplex.EQ.2)) then
    CALL opernlb_ylm_ASSIST_choicee1_paw_opte3_cplexe2(...)
    RETURN
  END IF
  IF ((choice.EQ.1).AND.(paw_opt.LT.3).AND.(cplex.EQ.2)) then
    CALL opernlb_ylm_ASSIST_choicee1_paw_opti3_cplexe2(...)
    RETURN
  END IF
  IF ((choice.EQ.1).AND.(paw_opt.GT.3).AND.(cplex.EQ.2)) then
    CALL opernlb_ylm_ASSIST_choicee1_paw_opts3_cplexe2(...)
    RETURN
  END IF
  ...
END SUBROUTINE
SUBROUTINE opernlb_ylm_ASSIST_choicee1_paw_opte3_cplexe2(...)
  ...
  lt_bound_npw = (npw / 8) * 8
  DO lt_var_k = 1, lt_bound_npw, 8
    DO ilmn = 1, nlmn
      DO k = lt_var_k, lt_var_k + (8 - 1)
        z(k)=z(k)+ ffnl(k,1,ilmn)*cplx(gxf(1,ilmn),gxf(2,ilmn),kind=dp)
      ENDDO
    ENDDO
  ENDDO
  ...
END SUBROUTINE
SUBROUTINE opernlb_ylm_ASSIST_choicee1_paw_opti3_cplexe2(...)
...
END SUBROUTINE
SUBROUTINE opernlb_ylm_ASSIST_choicee1_paw_opts3_cplexe2(...)
...
END SUBROUTINE
```