$$\Psi_{85} = C_1 \left(|0ddu\rangle + |0dud\rangle + |0udd\rangle + |d0du\rangle + |d0ud\rangle + |dd0u\rangle + |ddu0\rangle + |du0d\rangle + |dud0\rangle + |u0dd\rangle + |ud0d\rangle + |udd0\rangle\right)$$

$$C_1 = \frac{1}{2\sqrt{3}}$$