$$
C_{ld}^{i1,i2,i3,i4} \to
\frac{1}{16\pi^2}\Big(\frac{1}{216}\frac{1}{m_\oplus^2}s_\gamma^2\Big(\overline{y_d}^{pi3}y_d^{pi4}\Big(-54c_\gamma^2\overline{y_e}^{i2r}y_e^{i1r}+g_1^2\delta_{i1i2}\Big)-7g_1^2\overline{y_e}^{i2p}y_e^{i1p}\delta_{i3i4}\Big)+
\frac{2}{81}\sum_p g_1^4 LF_{3,0}\big[\tilde{m_d}^p\big]\delta_{i1i2}\delta_{i3i4}-\frac{5}{108}\sum_p g_1^4 LF_{4,-1}\big[\tilde{m_d}^p\big]\delta_{i1i2}\delta_{i3i4}+
\frac{8}{405}\sum_p g_1^4 LF_{5,-2}\big[\tilde{m_d}^p\big]\delta_{i1i2}\delta_{i3i4}+\frac{2}{27}\sum_p g_1^4 LF_{3,0}\big[\tilde{m_e}^p\big]\delta_{i1i2}\delta_{i3i4}-
\frac{5}{36}\sum_p g_1^4 LF_{4,-1}\big[\tilde{m_e}^p\big]\delta_{i1i2}\delta_{i3i4}+\frac{8}{135}\sum_p g_1^4 LF_{5,-2}\big[\tilde{m_e}^p\big]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{27}\sum_p g_1^4 LF_{3,0}\big[\tilde{m_l}^p\big]\delta_{i1i2}\delta_{i3i4}-\frac{5}{72}\sum_p g_1^4 LF_{4,-1}\big[\tilde{m_l}^p\big]\delta_{i1i2}\delta_{i3i4}+
\frac{4}{135}\sum_p g_1^4 LF_{5,-2}\big[\tilde{m_l}^p\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{81}\sum_p g_1^4 LF_{3,0}\big[\tilde{m_q}^p\big]\delta_{i1i2}\delta_{i3i4}-
\frac{5}{216}\sum_p g_1^4 LF_{4,-1}\big[\tilde{m_q}^p\big]\delta_{i1i2}\delta_{i3i4}+\frac{4}{405}\sum_p g_1^4 LF_{5,-2}\big[\tilde{m_q}^p\big]\delta_{i1i2}\delta_{i3i4}+\frac{8}{81}\sum_p g_1^4 LF_{3,0}\big[\tilde{m_u}^p\big]
\delta_{i1i2}\delta_{i3i4}-\frac{5}{27}\sum_p g_1^4 LF_{4,-1}\big[\tilde{m_u}^p\big]\delta_{i1i2}\delta_{i3i4}+\frac{32}{405}\sum_p g_1^4 LF_{5,-2}\big[\tilde{m_u}^p\big]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{18}s_\gamma^2\Big(\overline{y_d}^{pi3}y_d^{pi4}\Big(-9c_\gamma^2\overline{y_e}^{i2r}y_e^{i1r}+g_1^2\delta_{i1i2}\Big)-2g_1^2\overline{y_e}^{i2p}y_e^{i1p}\delta_{i3i4}\Big)LF_{1,2}[m_\oplus]+
\frac{1}{36}s_\gamma^2\Big(-3\overline{y_d}^{pi3}y_d^{pi4}\Big(3s_\gamma^2\overline{y_e}^{i2r}y_e^{i1r}+g_1^2\delta_{i1i2}\Big)+g_1^2\overline{y_e}^{i2p}y_e^{i1p}\delta_{i3i4}\Big)LF_{2,1}[m_\oplus]+
\frac{1}{108}g_1^2\Big(9s_\gamma^2\overline{y_d}^{pi3}y_d^{pi4}\delta_{i1i2}+\Big(-3s_\gamma^2\overline{y_e}^{i2p}y_e^{i1p}+4g_1^2\delta_{i1i2}\Big)\delta_{i3i4}\Big)LF_{3,0}[m_\oplus]-
\frac{5}{72}g_1^4 LF_{4,-1}[m_\oplus]\delta_{i1i2}\delta_{i3i4}+\frac{4}{135}g_1^4 LF_{5,-2}[m_\oplus]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{27}g_1^4 LF_{3,0}[\tilde{\mu}]\delta_{i1i2}\delta_{i3i4}+\frac{1}{18}g_1^4 LF_{4,-1}[\tilde{\mu}]\delta_{i1i2}\delta_{i3i4}-\frac{8}{135}g_1^4 LF_{5,-2}[\tilde{\mu}]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{162}g_1^4 LF_{2,1,0}\big[m_1,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{162}g_1^4 LF_{2,2,-1}\big[m_1,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}-
\frac{1}{81}g_1^4 LF_{3,1,-1}\big[m_1,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{162}g_1^4 LF_{4,1,-2}\big[m_1,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{72}g_1^4 LF_{2,1,0}\big[m_1,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{72}g_1^4 LF_{2,2,-1}\big[m_1,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}-
\frac{1}{36}g_1^4 LF_{3,1,-1}\big[m_1,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{72}g_1^4 LF_{4,1,-2}\big[m_1,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{24}g_1^2g_2^2 LF_{2,1,0}\big[m_2,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{24}g_1^2g_2^2 LF_{2,2,-1}\big[m_2,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}-
\frac{1}{12}g_1^2g_2^2 LF_{3,1,-1}\big[m_2,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{24}g_1^2g_2^2 LF_{4,1,-2}\big[m_2,\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}+
\frac{2}{27}g_1^2g_3^2 LF_{2,1,0}\big[m_3,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}+\frac{2}{27}g_1^2g_3^2 LF_{2,2,-1}\big[m_3,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}-
\frac{4}{27}g_1^2g_3^2 LF_{3,1,-1}\big[m_3,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}+\frac{2}{27}g_1^2g_3^2 LF_{4,1,-2}\big[m_3,\tilde{m_d}^{i4}\big]\delta_{i1i2}\delta_{i3i4}-
\frac{1}{81}g_1^4 LF_{2,1,0}\big[\tilde{m_d}^{i4},m_1\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{162}g_1^4 LF_{3,1,-1}\big[\tilde{m_d}^{i4},m_1\big]\delta_{i1i2}\delta_{i3i4}-
\frac{4}{27}g_1^2g_3^2 LF_{2,1,0}\big[\tilde{m_d}^{i4},m_3\big]\delta_{i1i2}\delta_{i3i4}+\frac{2}{27}g_1^2g_3^2 LF_{3,1,-1}\big[\tilde{m_d}^{i4},m_3\big]\delta_{i1i2}\delta_{i3i4}-
\frac{1}{9}g_1^2\overline{y_e}^{i2p}y_e^{i1p}LF_{2,1,0}\big[\tilde{m_e}^p,\tilde{\mu}\big]\delta_{i3i4}+\frac{1}{18}g_1^2\overline{y_e}^{i2p}y_e^{i1p}LF_{2,2,-1}\big[\tilde{m_e}^p,\tilde{\mu}\big]\delta_{i3i4}+
\frac{1}{18}g_1^2\overline{y_e}^{i2p}y_e^{i1p}LF_{3,1,-1}\big[\tilde{m_e}^p,\tilde{\mu}\big]\delta_{i3i4}-\frac{1}{36}g_1^4 LF_{2,1,0}\big[\tilde{m_l}^{i2},m_1\big]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{72}g_1^4 LF_{3,1,-1}\big[\tilde{m_l}^{i2},m_1\big]\delta_{i1i2}\delta_{i3i4}-\frac{1}{12}g_1^2g_2^2 LF_{2,1,0}\big[\tilde{m_l}^{i2},m_2\big]\delta_{i1i2}\delta_{i3i4}+
\frac{1}{24}g_1^2g_2^2 LF_{3,1,-1}\big[\tilde{m_l}^{i2},m_2\big]\delta_{i1i2}\delta_{i3i4}+\frac{1}{18}g_1^2\overline{y_d}^{pi3}y_d^{pi4}LF_{2,1,0}\big[\tilde{m_q}^p,\tilde{\mu}\big]\delta_{i1i2}-
\frac{1}{36}g_1^2\overline{y_d}^{pi3}y_d^{pi4}LF_{2,2,-1}\big[\tilde{m_q}^p,\tilde{\mu}\big]\delta_{i1i2}-\frac{1}{36}g_1^2\overline{y_d}^{pi3}y_d^{pi4}LF_{3,1,-1}\big[\tilde{m_q}^p,\tilde{\mu}\big]\delta_{i1i2}+
\frac{1}{18}g_1^2\overline{y_e}^{i2p}y_e^{i1p}LF_{2,1,0}\big[\tilde{\mu},\tilde{m_e}^p\big]\delta_{i3i4}-\frac{1}{36}g_1^2\overline{y_e}^{i2p}y_e^{i1p}LF_{3,1,-1}\big[\tilde{\mu},\tilde{m_e}^p\big]\delta_{i3i4}+
\frac{1}{36}g_1^2\overline{y_e}^{i2p}y_e^{i1p}LF_{4,1,-2}\big[\tilde{\mu},\tilde{m_e}^p\big]\delta_{i3i4}-\frac{1}{36}g_1^2\overline{y_d}^{pi3}y_d^{pi4}LF_{2,1,0}\big[\tilde{\mu},\tilde{m_q}^p\big]\delta_{i1i2}-
\frac{7}{36}g_1^2\overline{y_d}^{pi3}y_d^{pi4}LF_{3,1,-1}\big[\tilde{\mu},\tilde{m_q}^p\big]\delta_{i1i2}+\frac{1}{18}g_1^2\overline{y_d}^{pi3}y_d^{pi4}LF_{4,1,-2}\big[\tilde{\mu},\tilde{m_q}^p\big]\delta_{i1i2}-
\frac{1}{36}g_1^4 LF_{2,1,1,-1}\big[m_1,\tilde{m_d}^{i4},\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}-\frac{1}{18}g_1^4m_1^2 LF_{2,1,1,0}\big[m_1,\tilde{m_d}^{i4},\tilde{m_l}^{i2}\big]\delta_{i1i2}\delta_{i3i4}-
\frac{1}{4}\overline{y_d}^{pi3}y_d^{pi4}\overline{y_e}^{i2r}y_e^{i1r}LF_{2,1,1,-1}\big[\tilde{\mu},\tilde{m_e}^r,\tilde{m_q}^p\big]\Big)
$$