The group G is isomorphic to the group labelled by [8, 1] in the Small Groups library.
Ordinary character table of $G \cong$ C8:

	$1a$	$8a$	$4a$	$8b$	$2a$	$8c$	$4b$	$8d$
χ_1	1	1	1	1	1	1	1	1
χ_2	1	-1	1	-1	1	-1	1	-1
χ_3	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$
χ_4	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$
χ_5	1	$E(8)$	$E(4)$	$E(8)^3$	-1	$-E(8)$	$-E(4)$	$-E(8)^3$
χ_6	1	$-E(8)$	$E(4)$	$-E(8)^3$	-1	$E(8)$	$-E(4)$	$E(8)^3$
χ_7	1	$E(8)^3$	$-E(4)$	$E(8)$	-1	$-E(8)^3$	$E(4)$	$-E(8)$
χ_8	1	$-E(8)^3$	$-E(4)$	$-E(8)$	-1	$E(8)^3$	$E(4)$	$E(8)$

Trivial source character table of $G \cong$ C8 at $p = 2$:

Normalisers N_i	N_1	N_2	N_3	N_4
p-subgroups of G up to conjugacy in G	P_1	P_2	P_3	P_4
Representatives $n_j \in N_i$	$1a$	$1a$	$1a$	$1a$
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	8	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	4	4	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	2	2	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,5)(2,6)(3,7)(4,8)]) \cong$ C2
$P_3 = Group([(1,3,5,7)(2,4,6,8)]) \cong$ C4
$P_4 = Group([(1,2,3,4,5,6,7,8),(1,3,5,7)(2,4,6,8),(1,5)(2,6)(3,7)(4,8)]) \cong$ C8

$N_1 = Group([(1,2,3,4,5,6,7,8)]) \cong$ C8
$N_2 = Group([(1,2,3,4,5,6,7,8)]) \cong$ C8
$N_3 = Group([(1,3,5,7)(2,4,6,8),(1,5)(2,6)(3,7)(4,8),(1,2,3,4,5,6,7,8)]) \cong$ C8
$N_4 = Group([(1,2,3,4,5,6,7,8),(1,3,5,7)(2,4,6,8),(1,5)(2,6)(3,7)(4,8)]) \cong$ C8