Table 13. **Performance of ATT in JiNan, HangZhou. "-" implies that traditional algorithms are not adapted to MinQ and MAD attacks. Our RobustLight recovers the state of traditional and RL-based TSC algorithms to evaluate the performance.**

Dataset	Noise Type	Noise Scale	FixedTime	MaxPressure		Advanced-MaxPressure		Advanced-MpLight		CoLight		Advanced-CoLight	
			base	base	RobustLight	base	RobustLight	base	RobustLight	base	RobustLight	base	RobustLight
$JiNan_2$	Gaussian	3.5	368.76±0.00	279.05±1.56	**276.14±1.49**	275.95±1.22	**274.67±1.58**	383.41±58.34	**276.02±1.72**	295.87±17.16	**265.21±2.02**	326.04±10.78	**289.84±4.68**
		4.0		282.99±1.22	**279.89±1.41**	279.63±1.15	**276.56±1.74**	455.56±110.18	**281.88±2.91**	336.38±61.85	**271.65±1.57**	340.84±17.41	**298.63±5.04**
	U-rand	3.5		301.51±2.82	**290.84±2.46**	299.75±1.16	**297.34±1.39**	548.04±98.46	**323.93±11.34**	653.03±150.29	**380.63±68.09**	717.76±169.73	**361.72±28.89**
		4.0		306.29±3.09	**294.39±3.25**	304.75±1.09	**302.97±1.91**	514.01±116.27	**327.93±11.35**	359.26±12.55	**354.02±53.63**	741.76±181.97	**361.66±30.15**
	MAD	3.5		-	-	-	-	285.67±11.23	**263.21±1.17**	565.93±39.44	**262.05±1.48**	325.87±8.34	**271.58±1.52**
		4.0		-	-	-	-	297.97±18.32	**268.94±1.13**	588.27±47.11	**263.45±1.65**	337.42±8.64	**271.65±1.57**
	MinQ	3.5		-	-	-	-	283.37±3.09	**264.48±1.83**	516.49±102.73	**261.41±1.34**	323.07±7.45	**300.31±5.44**
		4.0		-	-	-	-	289.43±3.78	**270.98±1.83**	541.17±112.48	**268.17±2.29**	346.51±3.85	**314.29±3.67**
$HangZhou_2$	Gaussian	3.5	406.65±0.00	360.56±2.45	**358.57±1.71**	345.27±1.23	**342.52±1.23**	564.65±103.29	**362.27±3.85**	349.75±5.13	**344.63±2.01**	396.61±9.59	**368.79±6.27**
		4.0		363.64±2.77	**359.93±2.02**	348.40±1.11	**346.66±1.02**	418.41±12.43	**371.71±3.65**	352.25±4.43	**351.58±3.75**	410.64±10.02	**371.54±6.94**
	U-rand	3.5		371.21±3.44	**365.23±2.07**	362.11±2.13	**289.62±2.09**	504.63±9.71	**437.93±14.49**	442.07±26.52	**353.67±3.26**	472.11±20.71	**379.27±11.97**
		4.0		373.89±3.09	**366.52±2.14**	366.69±3.53	**359.17±2.02**	513.83±11.21	**445.99±11.53**	383.27±9.41	**356.79±4.07**	487.33±19.17	**384.24±13.31**
	MAD	3.5		-	-	-	-	345.74±29.73	**344.52±4.49**	478.25±15.39	**349.37±2.54**	405.37±12.33	**359.03±9.23**
		4.0		-	-	-	-	349.48±26.63	**348.61±5.77**	490.25±18.66	**356.53±4.33**	406.75±5.01	**359.06±9.23**
	MinQ	3.5		-	-	-	-	347.04±24.07	**343.38±9.54**	473.48±11.07	**347.73±3.85**	399.87±15.12	**372.84±4.84**
		4.0		-	-	-	-	350.15±24.27	**347.44±9.43**	484.52±12.88	**352.13±2.72**	408.28±8.71	**385.43±8.06**

Table 14. **Performance Compared with DiffLight.**

Dataset	Noise Type	Noise Scale	DiffLight	Advanced-Colight-RobustLight
$JiNan_1$	Gaussian	3.5	289.45±3.37	**294.57±2.02**
	U-rand	3.5	311.53±4.17	**358.22±7.02**
	MAD	3.5	384.71±13.25	**283.13±1.56**
	MinQ	3.5	321.98±6.37	**323.25±20.54**
	Mask (Kriging and Random)	25%	353.45±34.31	**320.31±3.21**
$HangZhou_1$	Gaussian	3.5	325.05±2.58	**327.98±2.45**
	U-rand	3.5	**365.05±20.67**	473.85±32.68
	MAD	3.5	366.14±5.34	**309.24±0.94**
	MinQ	3.5	426.14±10.56	**406.32±6.41**
	Mask (Kriging and Random)	25%	346.05±41.27	**296.69±4.67**