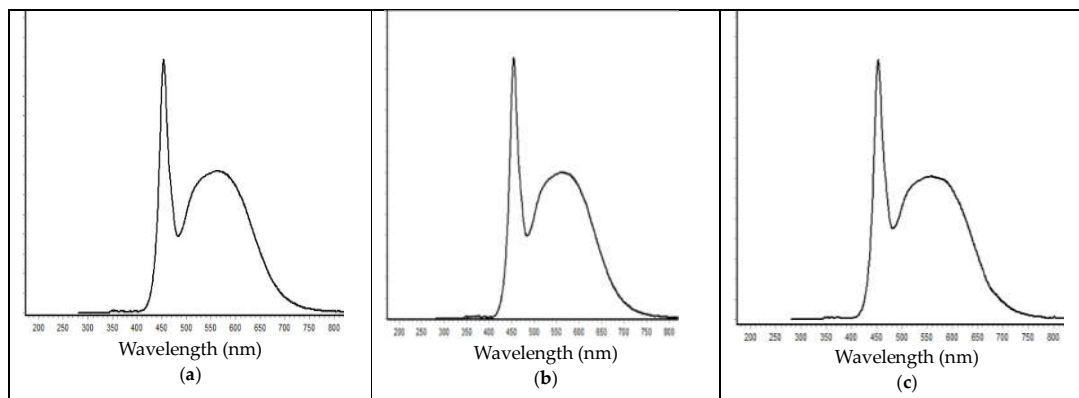


## Supplementary Materials



**Figure S1.** Wavelength distributions in low (a), middle (b) and high (c) intensities respectively.



**Figure S2.** Images of the field experiment during the day and at night. (Note: the extra pots were used for other experiments, and did not cause cross influence in this study).

**Table S1.** light intensity received by the uppermost part of *Euonymus japonicus* Thunb and *Rosa hybrida* E.H.L.Krause in different treatments (lux).

Species	Month	C-L	C-M	C-H	NC-L	NC-L	NC-L
<i>Euonymus japonicus</i> Thunb	July	115.67 ± 9.07	186 ± 9.17	287.67 ± 10.02	117.33 ± 12.90	191.33 ± 12.66	293 ± 11.14
	September	128.33 ± 7.02	219.33 ± 12.50	328.67 ± 9.71	133.67 ± 13.43	215.33 ± 11.59	325 ± 13.11
<i>Rosa hybrida</i> E.H.L.Krause	July	215.67 ± 18.15	396.33 ± 22.01	594.33 ± 21.55	197.33 ± 12.06	390.33 ± 16.56	598.67 ± 20.11
	September	253.33 ± 18.61	432.33 ± 23.18	647.67 ± 14.50	264.67 ± 17.56	434.33 ± 24.83	655.67 ± 23.07

Note: 50 lux ≈ 1 μmoles photons m<sup>-2</sup>s<sup>-1</sup>.

**Table S2.** Total antioxidant capacity of *Euonymus japonicus* Thunb and *Rosa hybrida* E.H.L.Krause in July and September under no ALAN (μmolFe<sup>2+</sup>g<sup>-1</sup>).

Species	July	September
<i>Euonymus japonicus</i> Thunb	104.10 ± 8.50	163.68 ± 14.72
<i>Rosa hybrida</i> E.H.L.Krause	312.49 ± 33.86	375.56 ± 27.62