


How to Calculate Parking Lot Tree Shading


PARKING LOT TREE SHADING




 Paved Area Requiring Shade
 Parking Stalls and back-up space require 40Z shade coverage

Stall Angel	Back-up Distance
45 degree	13 feet
60 degree	18 feet
90 degree	24 feet

Typical Stall dimensions = 9' x 19'
 Typical Compact Stall = 8' x 16'

 Shade Provided

 Double Shade Coverage
 You may only count these areas one time.

NOTES:

1. This diagram is intended to reflect the manner in which shade is credited under various conditions. It is not necessarily an illustration of 40Z coverage.
2. Provide 40Z shade to parking stalls and back-up space.
3. Shade is not required in driveways.
4. Tree canopies shall be drawn to scale representing the estimated canopy at a 15 year growth period.
5. Trees may receive 25Z, 50Z, 75Z, or 100Z credit as shown.

SHADE REQUIREMENTS

TREE SPECIES	DIA.	QTY • FULL SHADE/SQ FT	QTY • 3/4 SHADE/SQ FT	QTY • 1/2 SHADE/SQ FT	QTY • 1/4 SHADE/SQ FT	TOTALS S.F.
Oak species	35'	2 • 962	2 • 722	14 • 481	3 • 241	10,825 S.F.
Mulberry	35'	0 • 962	0 • 722	0 • 481	0 • 241	0
Pyrus species	25'	0 • 491	0 • 368	0 • 246	0 • 123	0
Lagerstroemia i.	20'	0 • 314	0 • 181	0 • 157	0 • 79	0
Prunus species	20'	0 • 314	0 • 181	0 • 157	0 • 79	0
Pistacia chinensis	30'	0 • 707	0 • 530	0 • 354	0 • 177	0
TOTAL SHADE PROVIDED						10,825 S.F.
TOTAL AREA REQUIRING SHADE						14,087 S.F.
TOTAL SHADE REQUIRED						5634.8 S.F.
TOTAL Z SHADE PROVIDED						76.8 Z