=== Run information ===

Scheme: weka.classifiers.trees.J48 -C 0.25 -M 2

Relation: Master_weka-weka.filters.unsupervised.attribute.Remove-R2

Instances: 83075

Attributes: 2

        LightValue

        Classifier

Test mode: 10-fold cross-validation

=== Classifier model (full training set) ===

J48 pruned tree

LightValue <= 1010

| LightValue <= 766

| | LightValue <= 152: off (16974.0)

| | LightValue > 152: on (31.0)

| LightValue > 766: off (17321.0/44.0)

LightValue > 1010

| LightValue <= 2207

| | LightValue <= 2082

| | | LightValue <= 2002: on (11514.0/92.0)

| | | LightValue > 2002

| | | | LightValue <= 2055

| | | | | LightValue <= 2024: on (568.0/110.0)

| | | | | LightValue > 2024

| | | | | | LightValue <= 2051: off (704.0/173.0)

| | | | | | LightValue > 2051

| | | | | | | LightValue <= 2052: off (43.0/18.0)

| | | | | | | LightValue > 2052: on (185.0/75.0)

| | | | LightValue > 2055: on (5558.0/939.0)

| | LightValue > 2082

| | | LightValue <= 2147: off (5190.0/920.0)

| | | LightValue > 2147

| | | | LightValue <= 2187: off (2554.0/1129.0)

| | | | LightValue > 2187: on (426.0/164.0)

| LightValue > 2207: on (22007.0)

Number of Leaves :   13

Size of the tree :   25

Time taken to build model: 0.17 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances   79394   95.5691 %

Incorrectly Classified Instances   3681   4.4309 %

Kappa statistic   0.9114

Mean absolute error   0.0646

Root mean squared error   0.1801

Relative absolute error   12.9231 %

Root relative squared error   36.0261 %

Total Number of Instances   83075

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
	0.967	0.055	0.947	0.967	0.957	0.912	0.992	0.992	off
	0.945	0.033	0.965	0.945	0.955	0.912	0.992	0.992	on
Weighted Avg.	0.956	0.044	0.956	0.956	0.956	0.912	0.992	0.992	

=== Confusion Matrix ===

```
    a     b   <-- classified as
 40482  1400 |   a = off
  2281 38912 |   b = on
```