

000
001
002
003
004
005
006
007
008
009
010
011
012
013
014
015
016
017
018
019
020
021
022
023
024
025
026
027
028
029
030
031
032
033
034
035
036
037
038
039
040
041
042
043
044
045
046
047
048
049
050
051
052
053

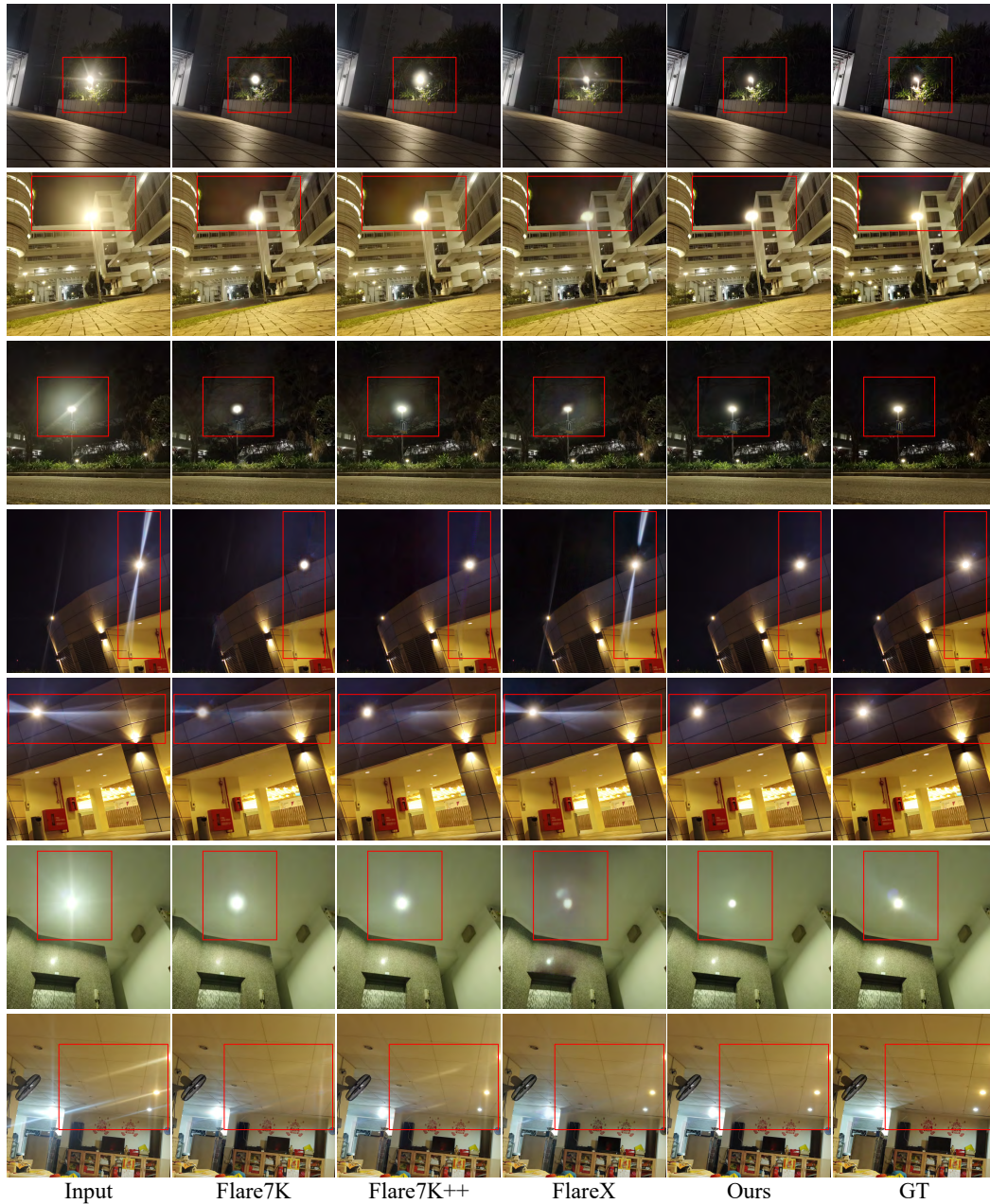


Figure 1: Visual comparison of flare removal on the Flare7k real test set. The name of each column represents the dataset that is used to train Uformer.

054
055
056
057
058
059
060
061
062
063
064
065
066
067
068
069
070
071
072
073
074
075
076
077
078
079
080
081
082
083
084
085
086
087
088
089
090
091
092
093
094
095
096
097
098
099
100
101
102
103
104
105
106
107

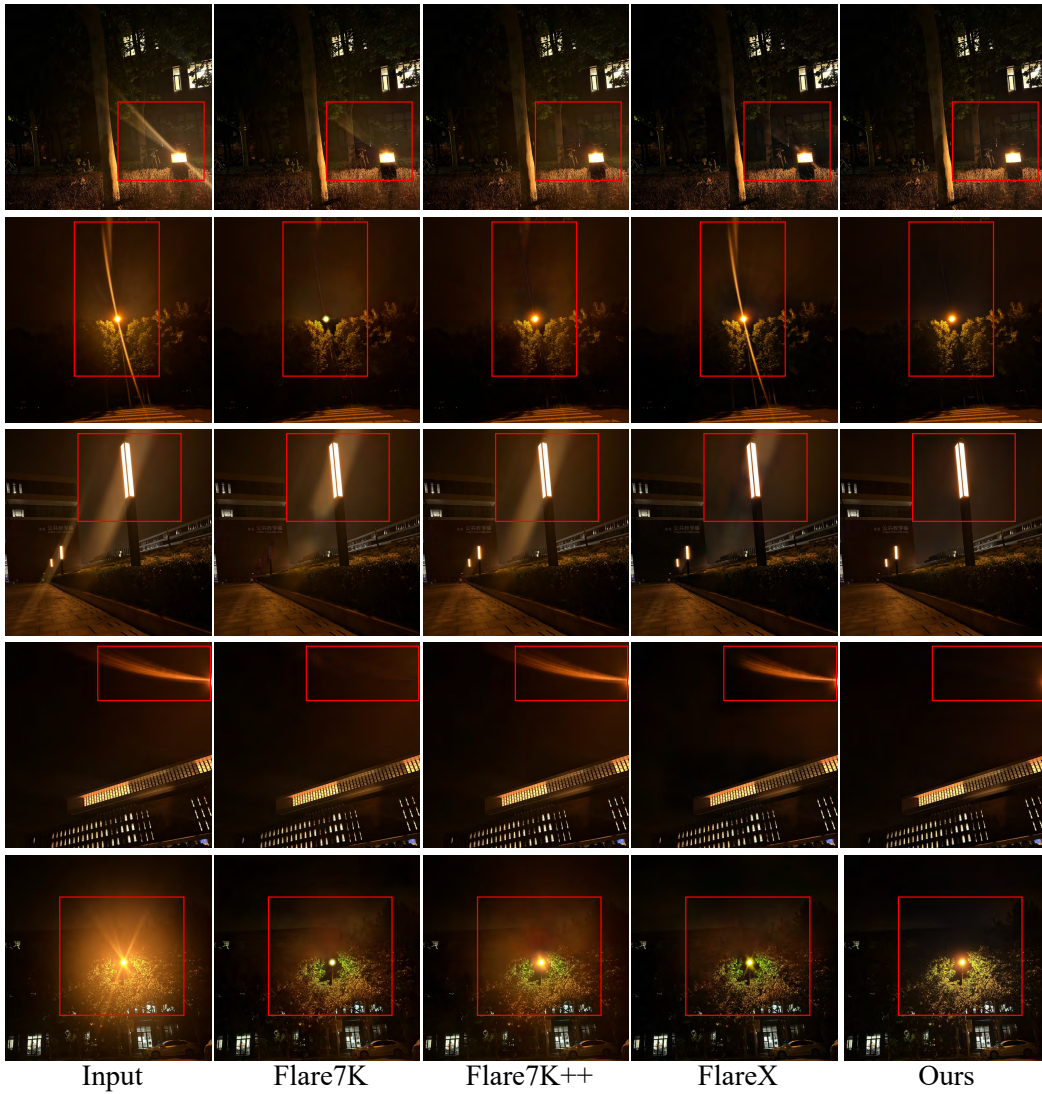


Figure 2: Visual comparison of flare removal on the FlareX test set. The name of each column represents the dataset that is used to train Uformer.

108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161

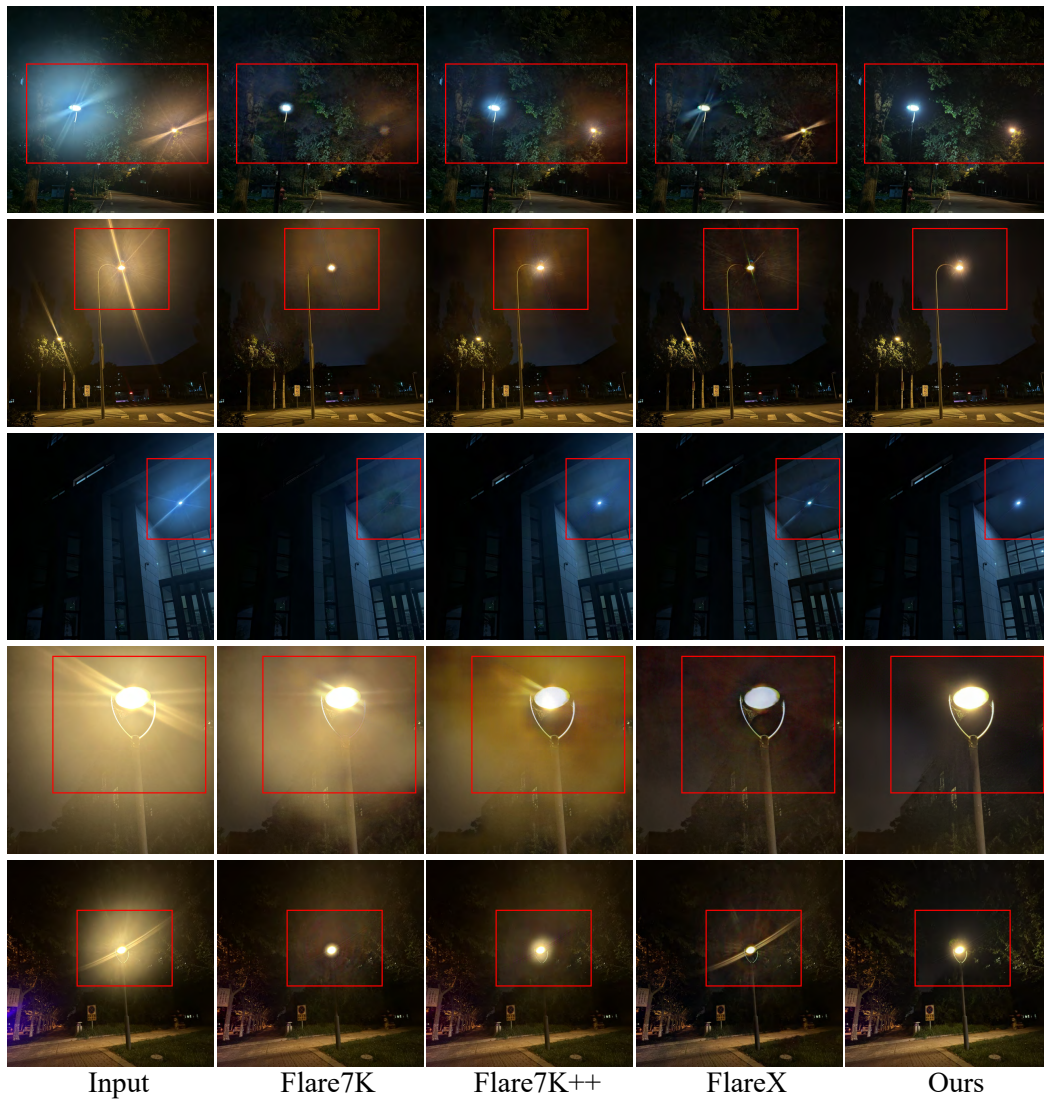


Figure 3: Visual comparison of flare removal on the FlareX test set. The name of each column represents the dataset that is used to train Uformer.

162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215

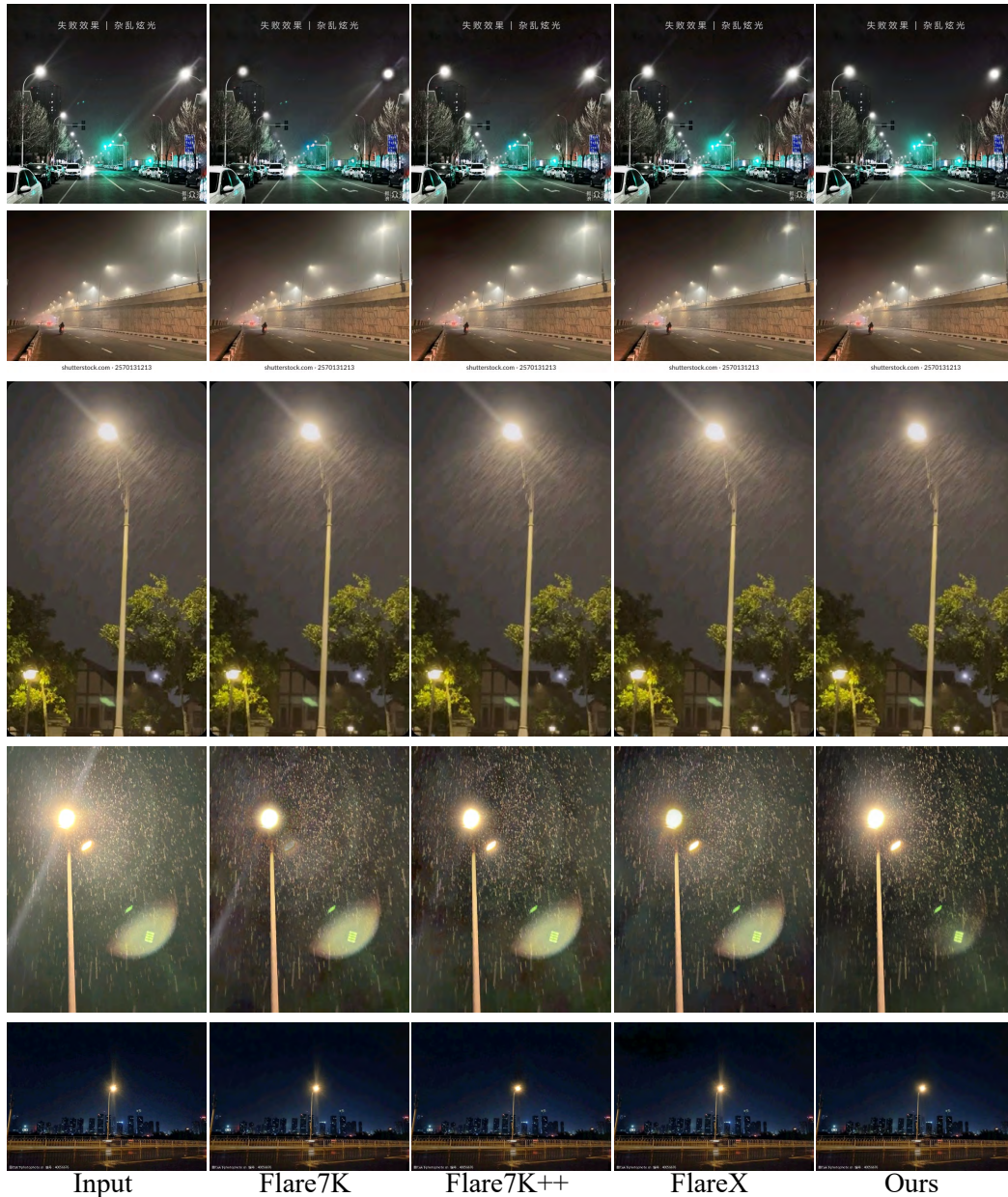


Figure 4: Visual comparison of flare removal on the test set collected from Google Image Search. The name of each column represents the dataset that is used to train Uformer.

216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269



Figure 5: Visual comparison of flare removal on the test set collected from Google Image Search. The name of each column represents the dataset that is used to train Uformer.

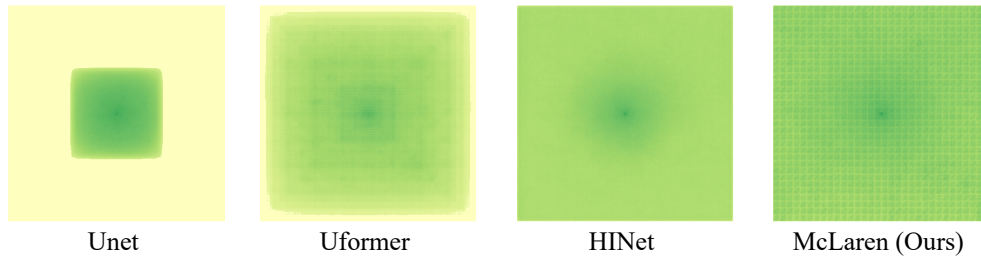


Figure 6: The Effective Receptive Field (ERF) visualization for Unet, Uformer, HINet and our McLaren.