

1/45

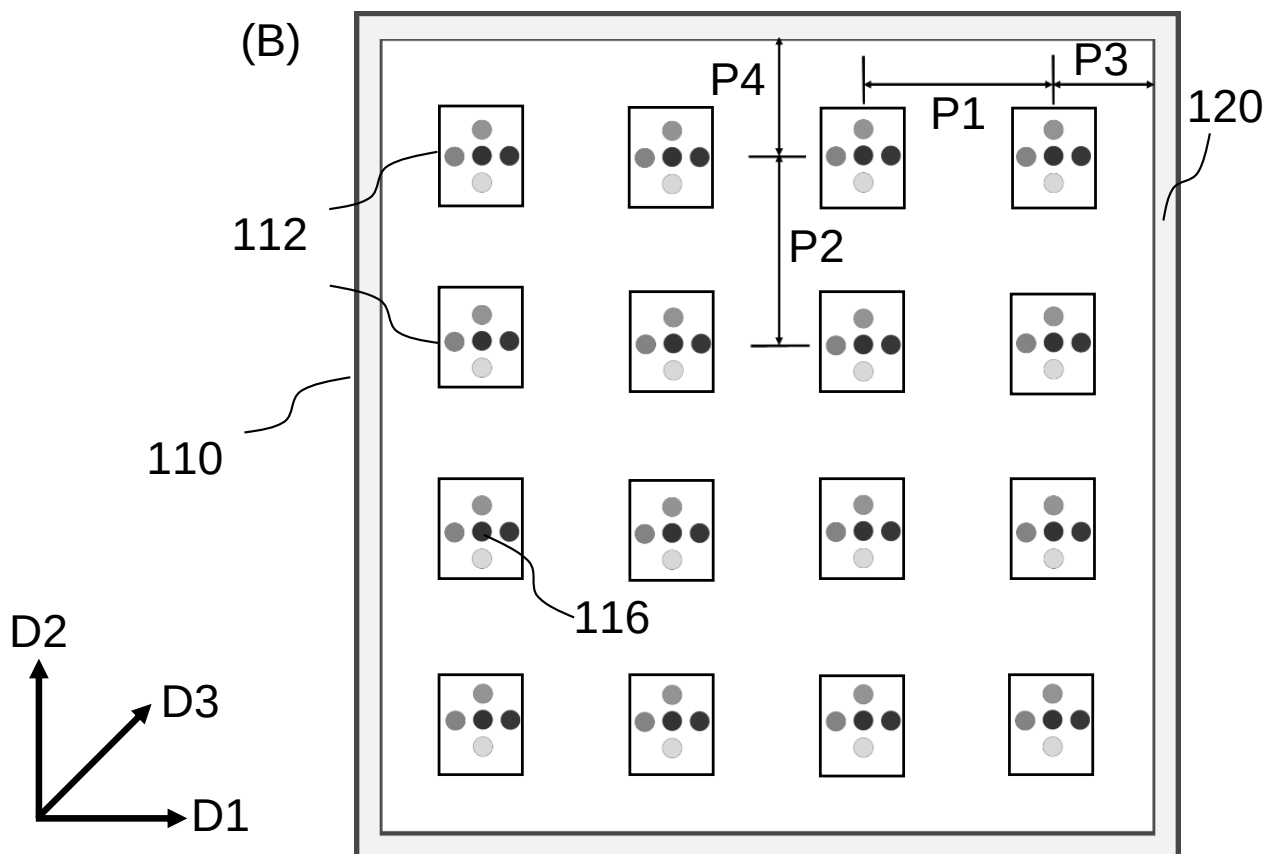
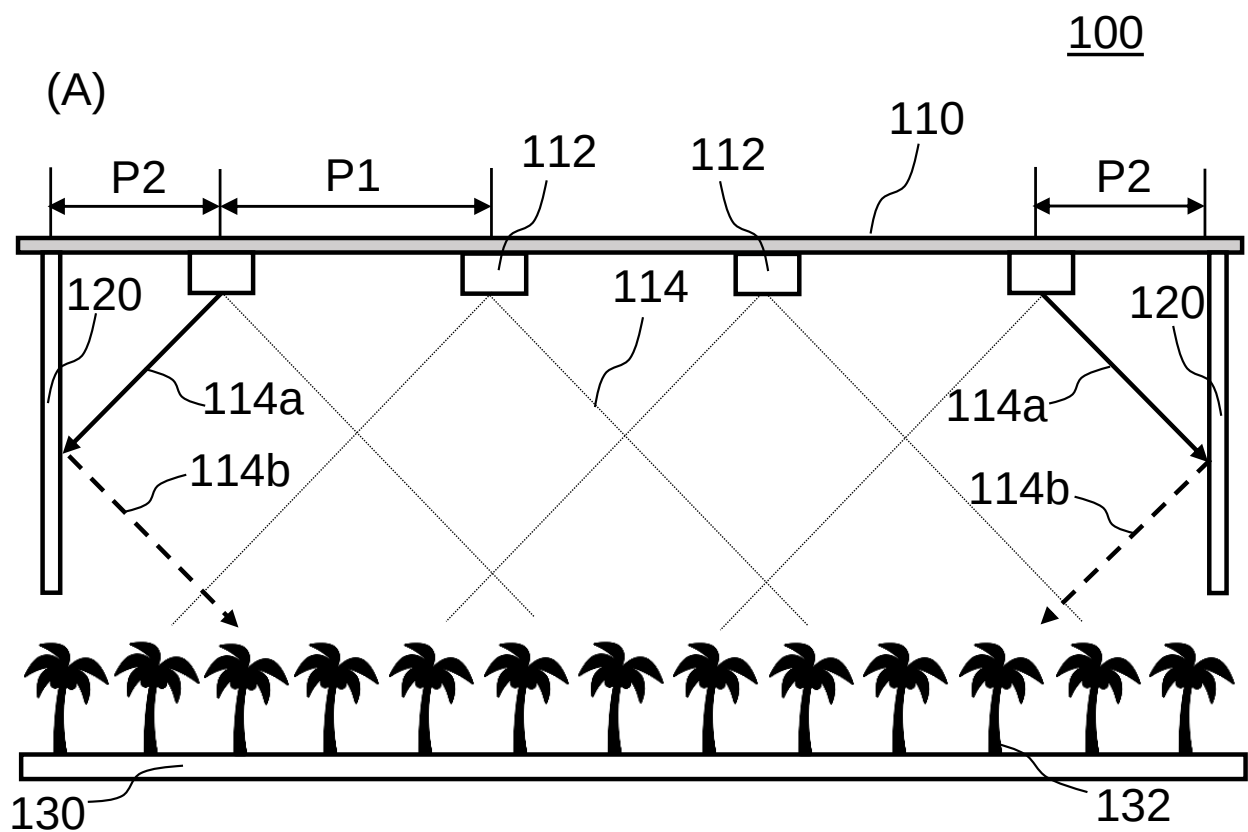


FIG. 1

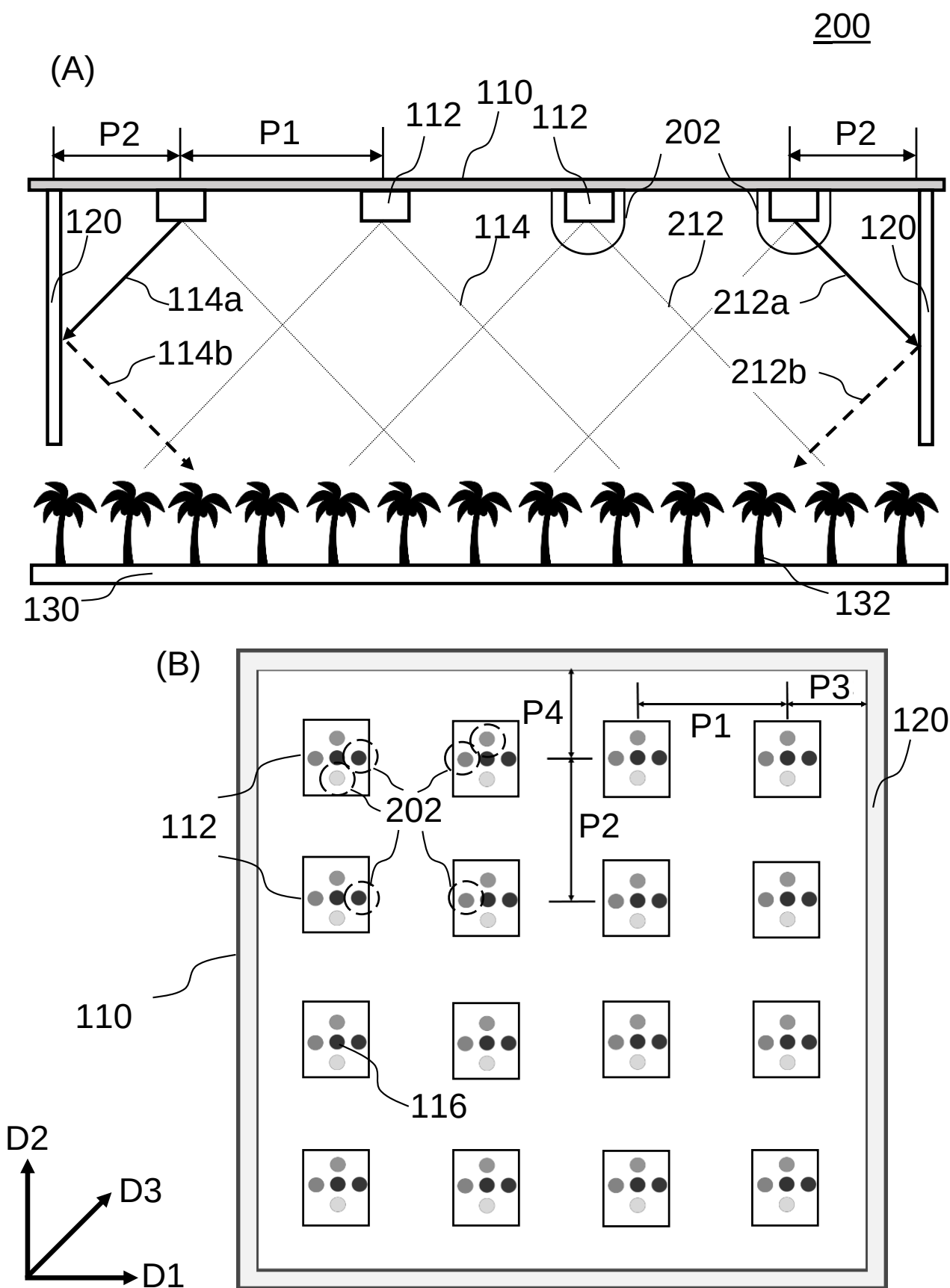


FIG. 2

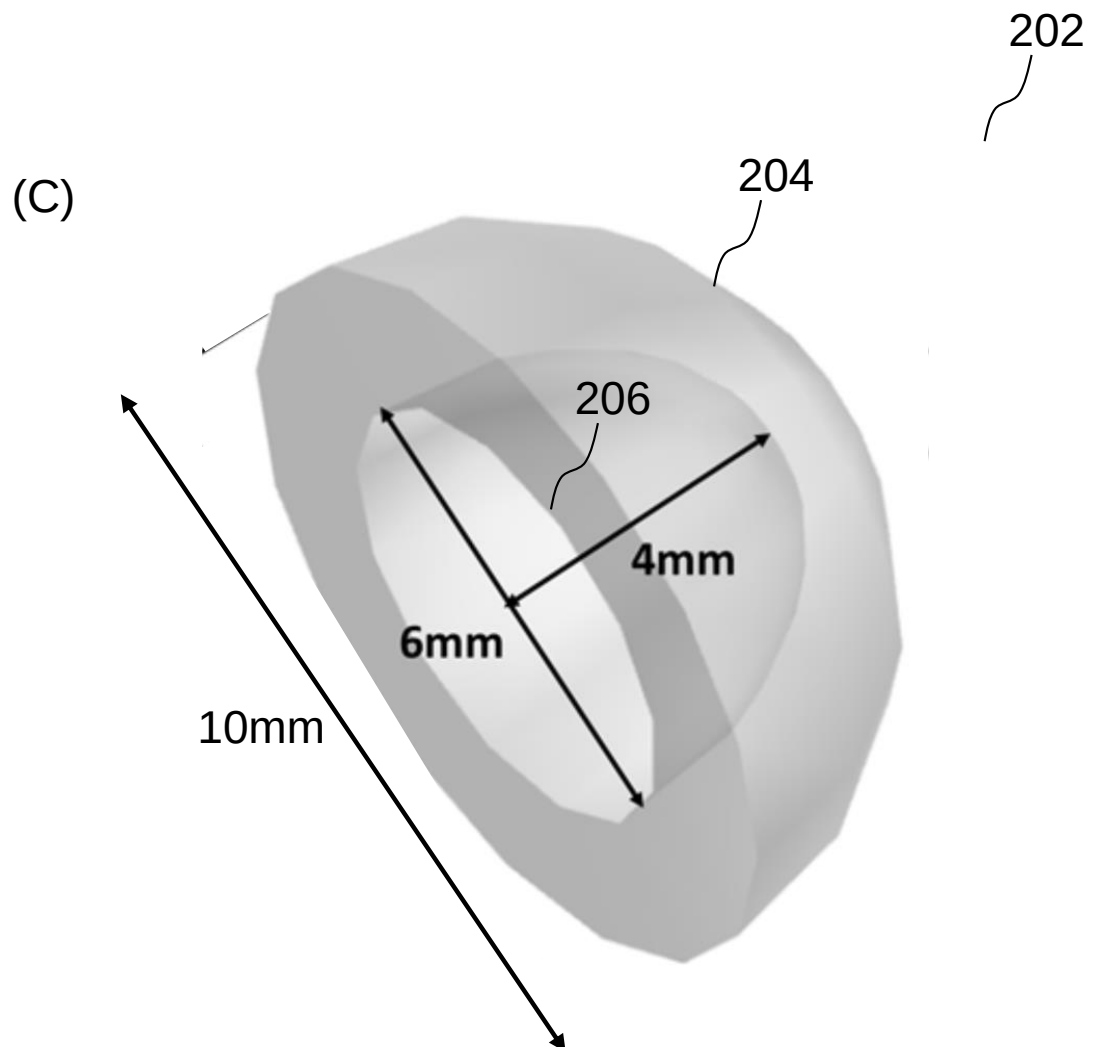


FIG. 2 (continued)

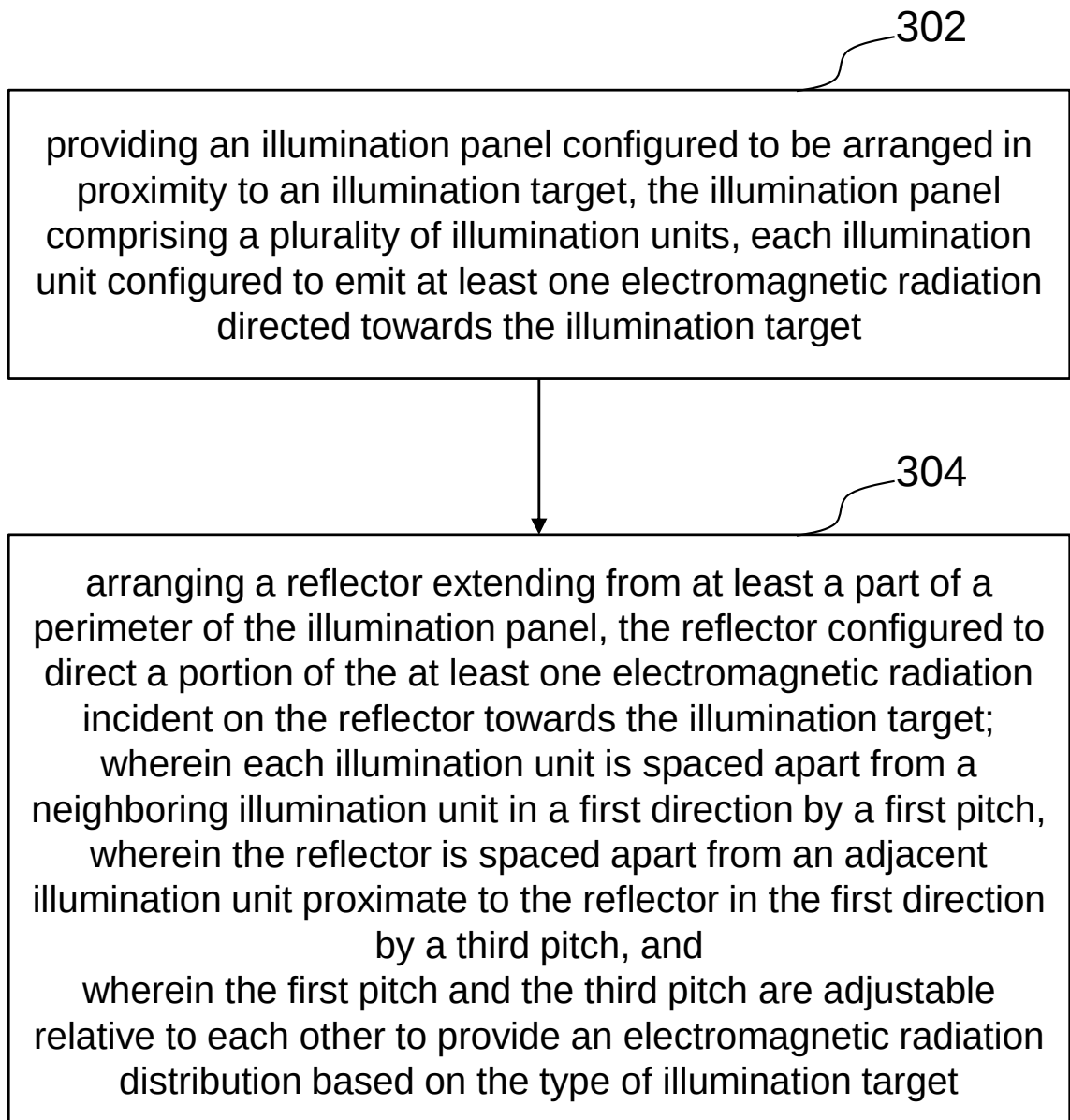


FIG. 3

(A)

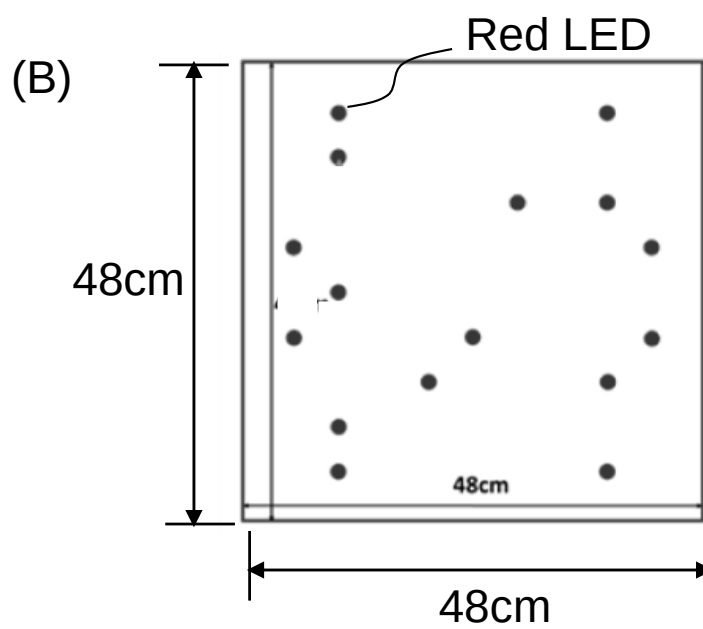
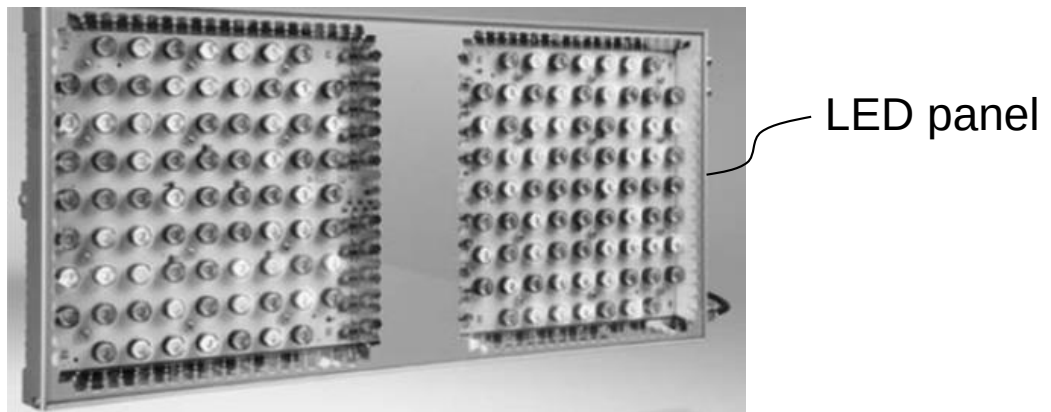
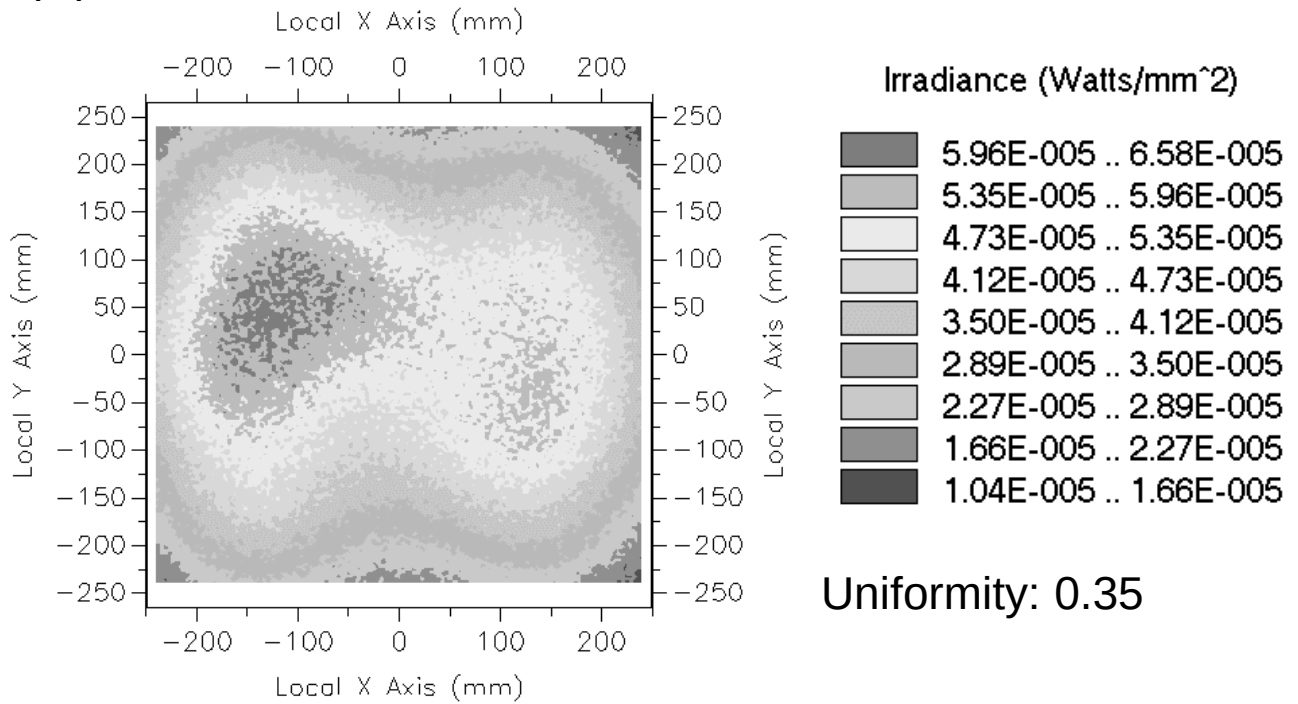


FIG. 4

(C)



(D)

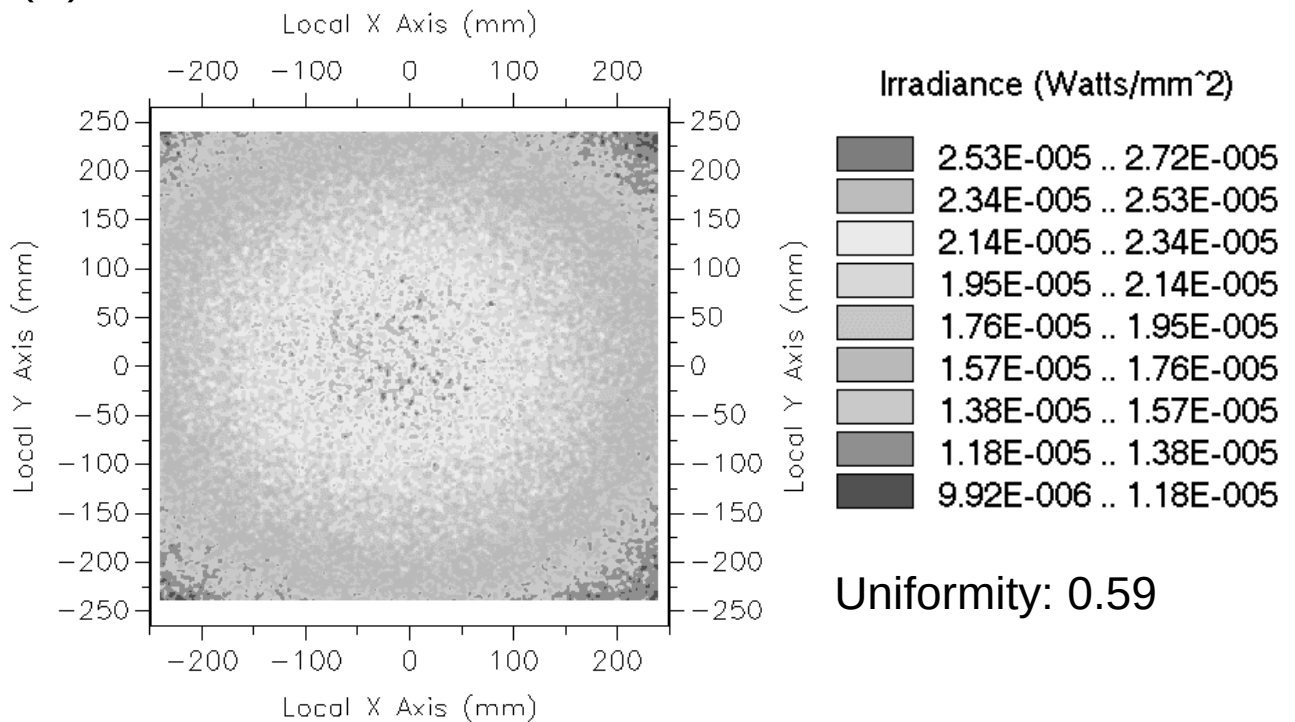


FIG. 4 (continued)

(A)

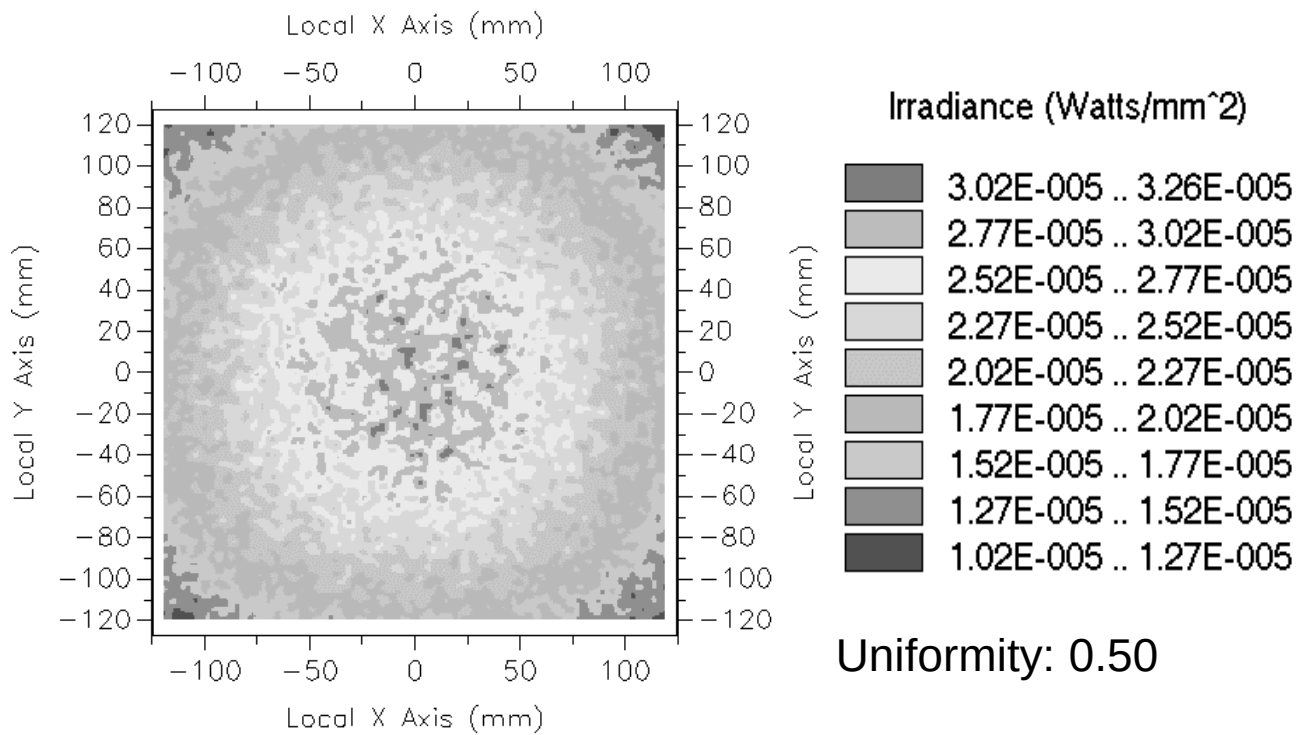
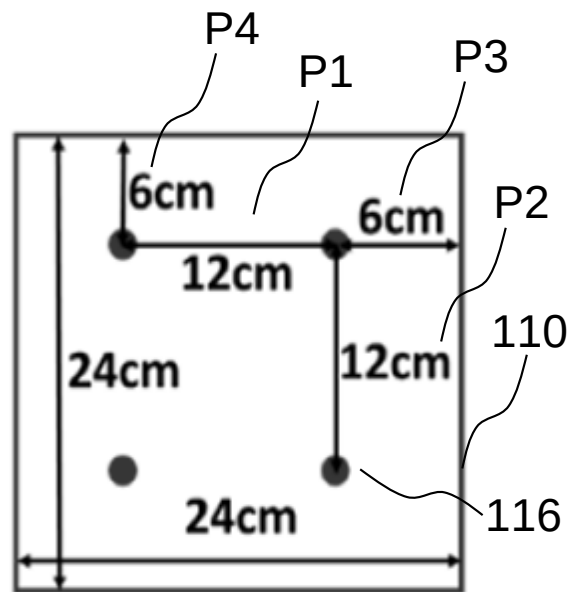


FIG. 5

(B)

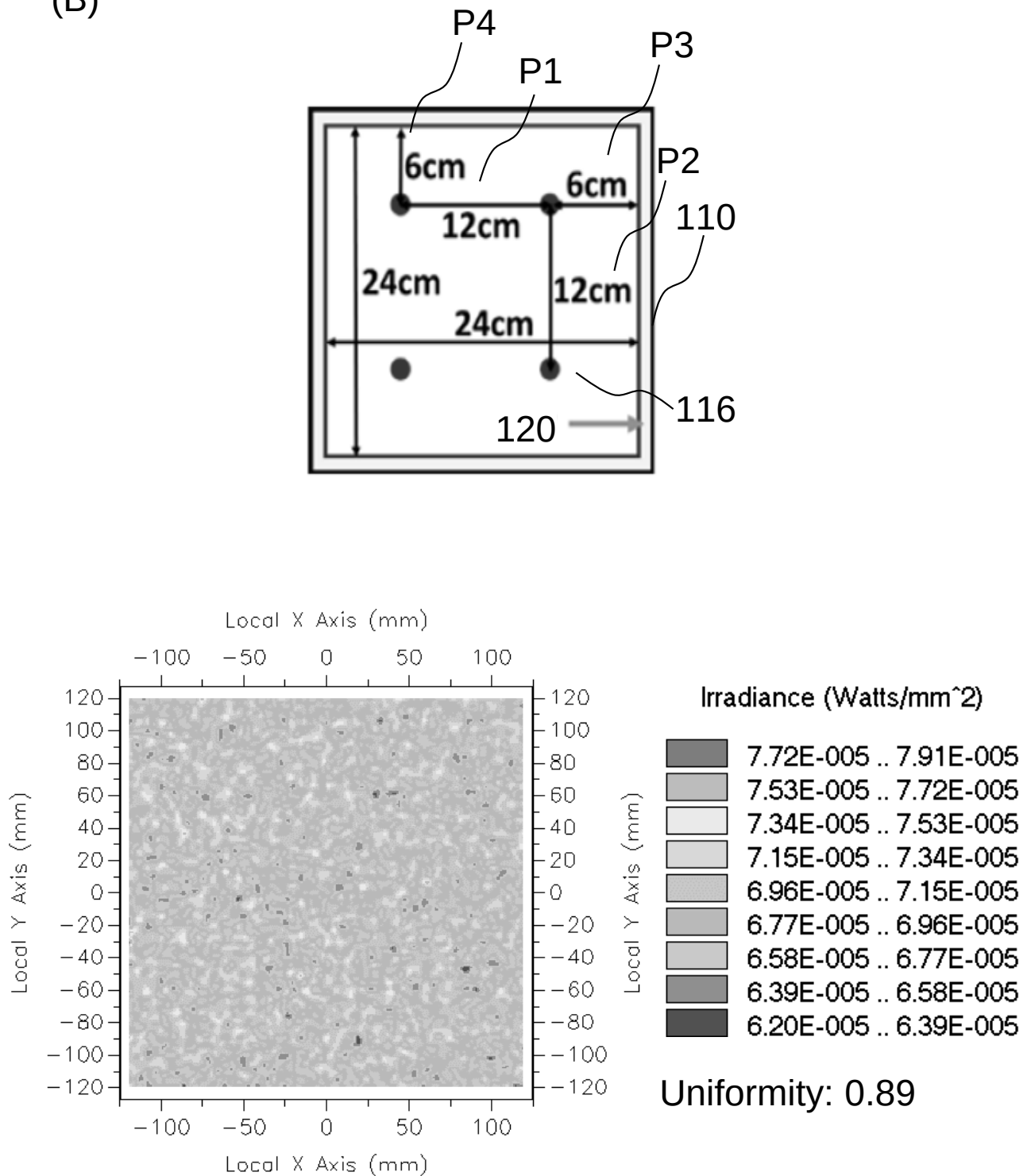
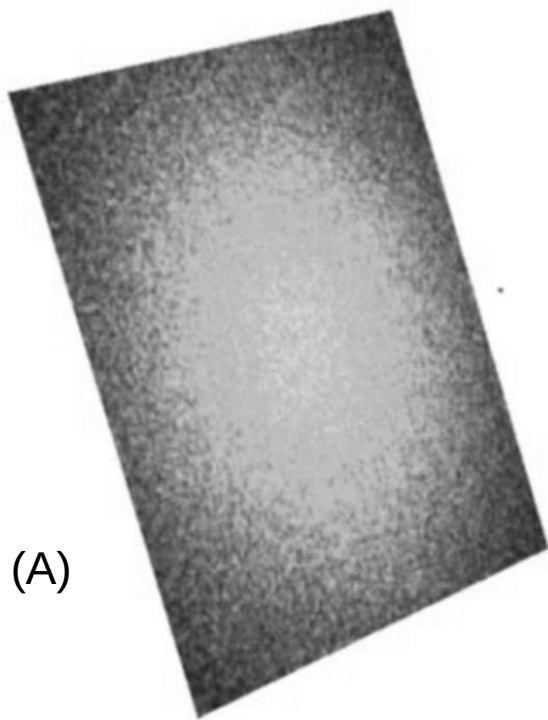
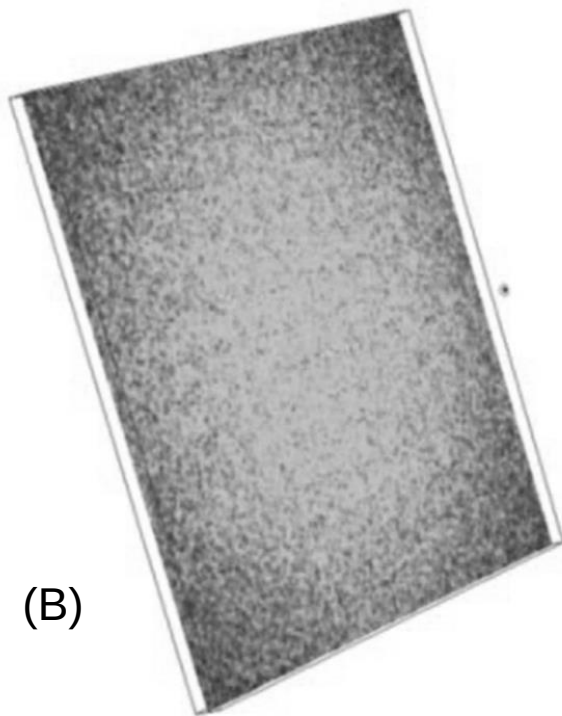


FIG. 5 (continued)

9/45



(A)



(B)

FIG. 6

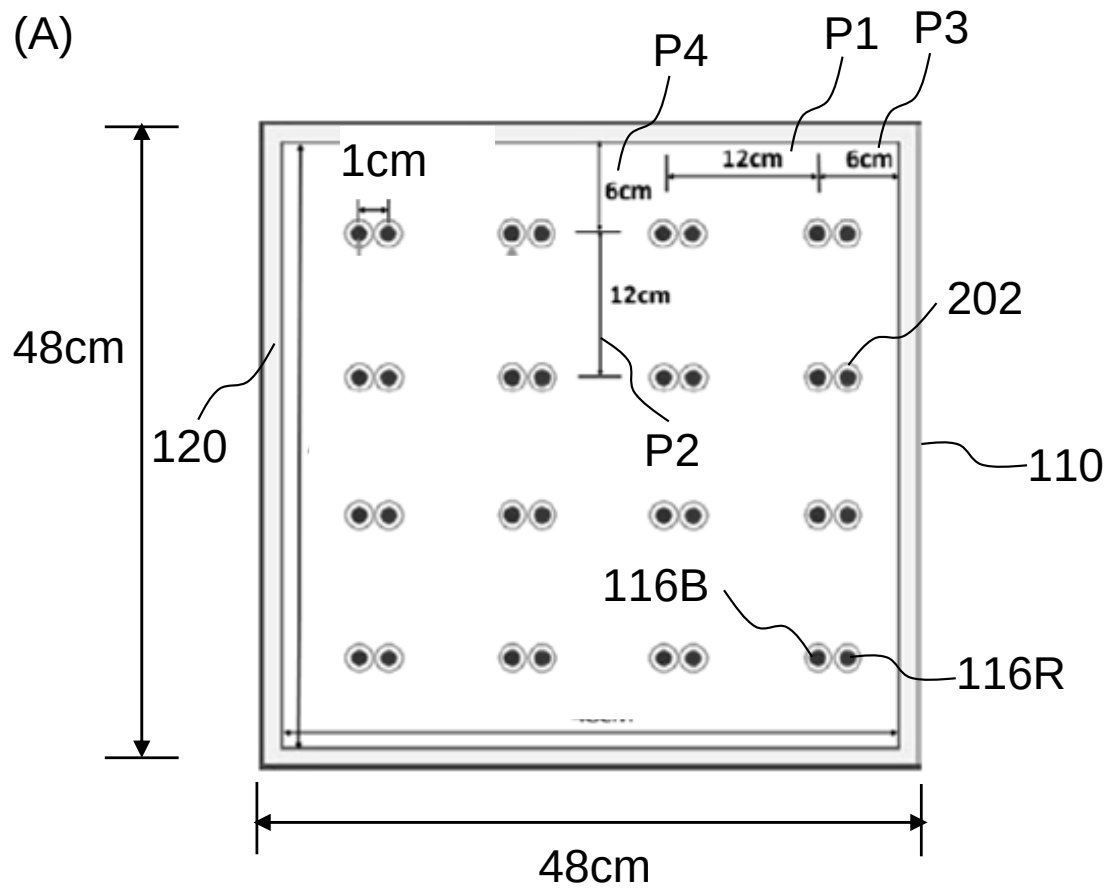
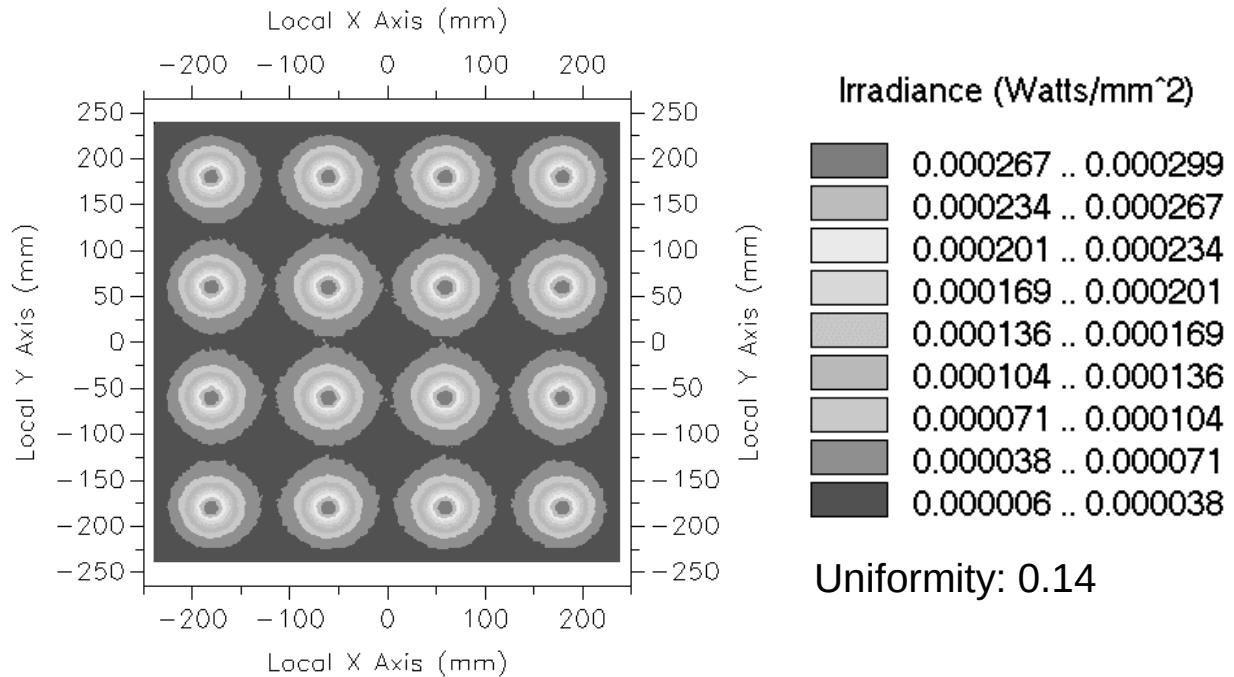


FIG. 7

(B) Distance of illumination panel = **3cm** from target

Without reflector



With reflector

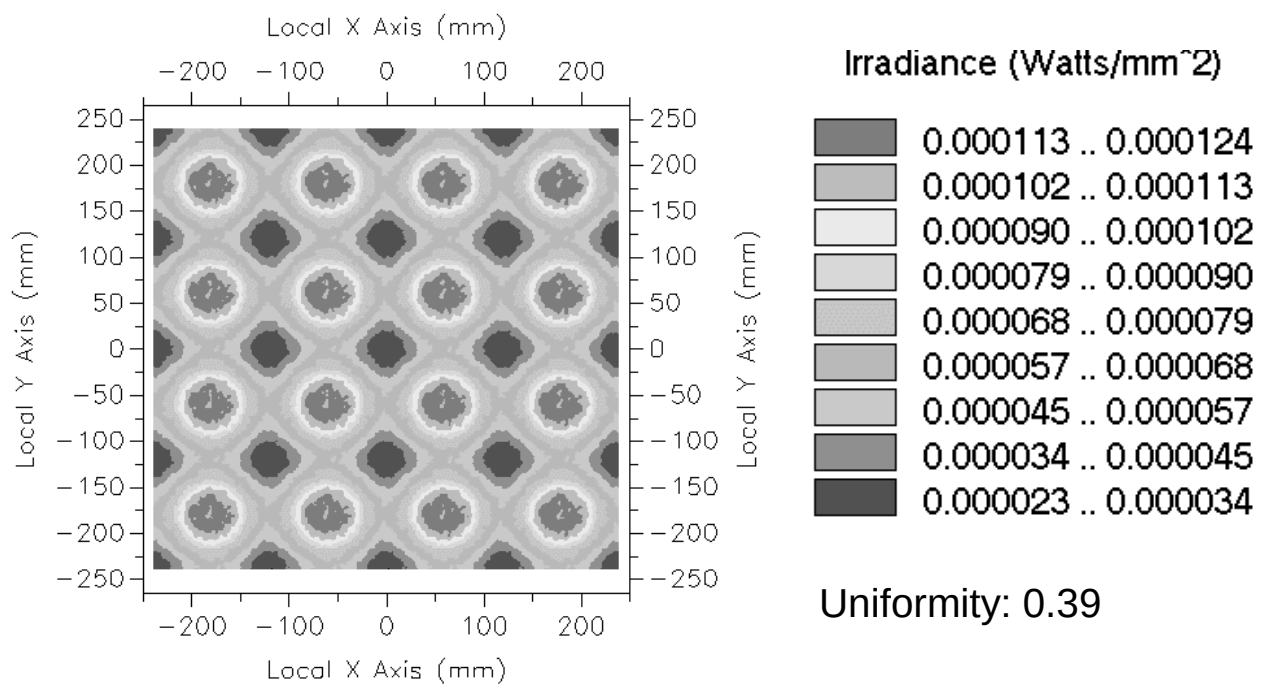
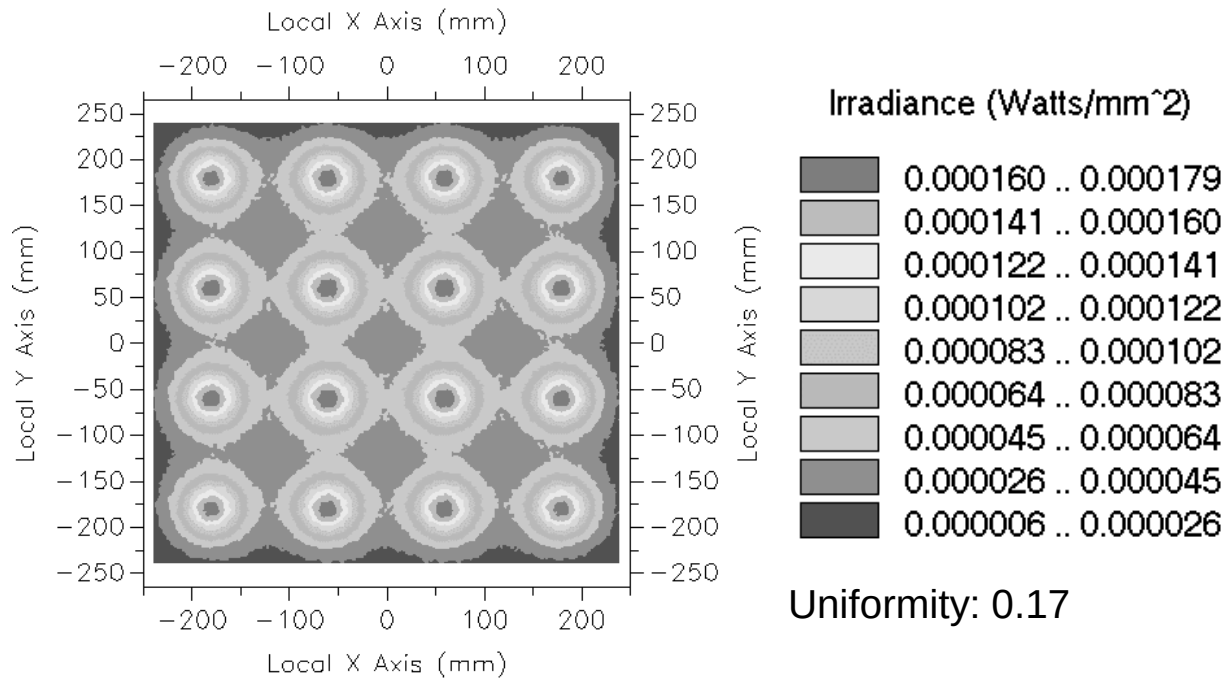


FIG. 7 (continued)

12/45

(B) Distance of illumination panel = **4cm** from target

Without reflector



With reflector

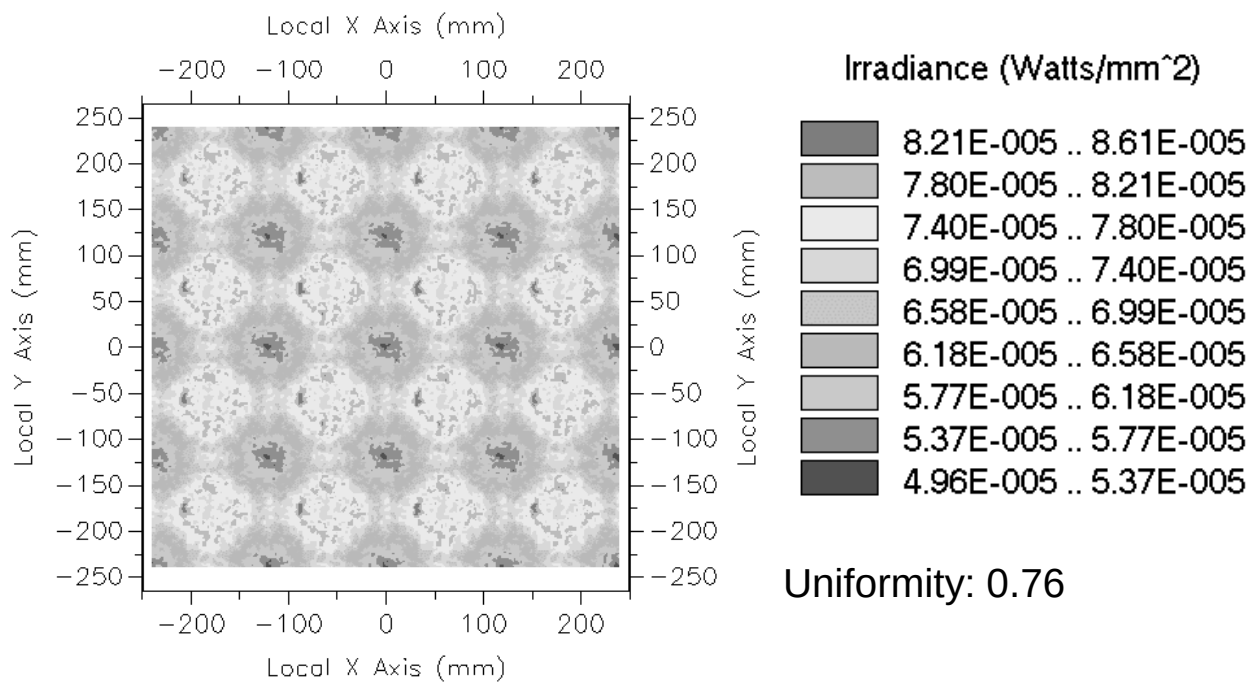
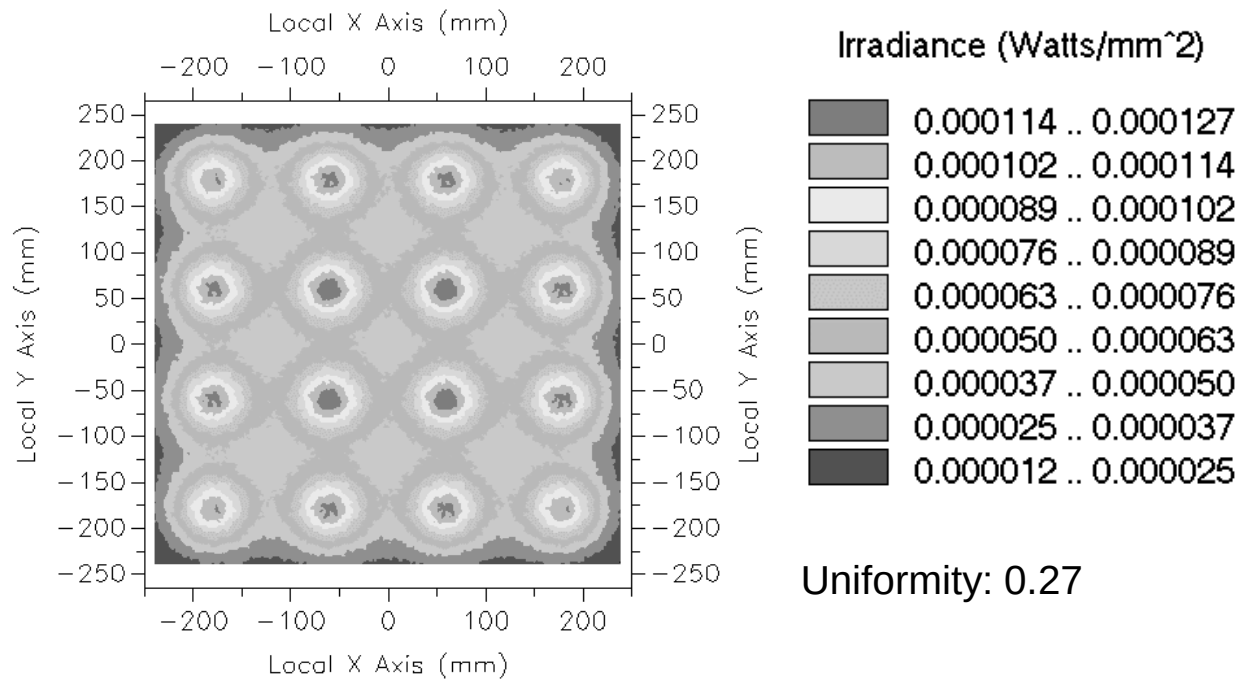


FIG. 7 (continued)

(B) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

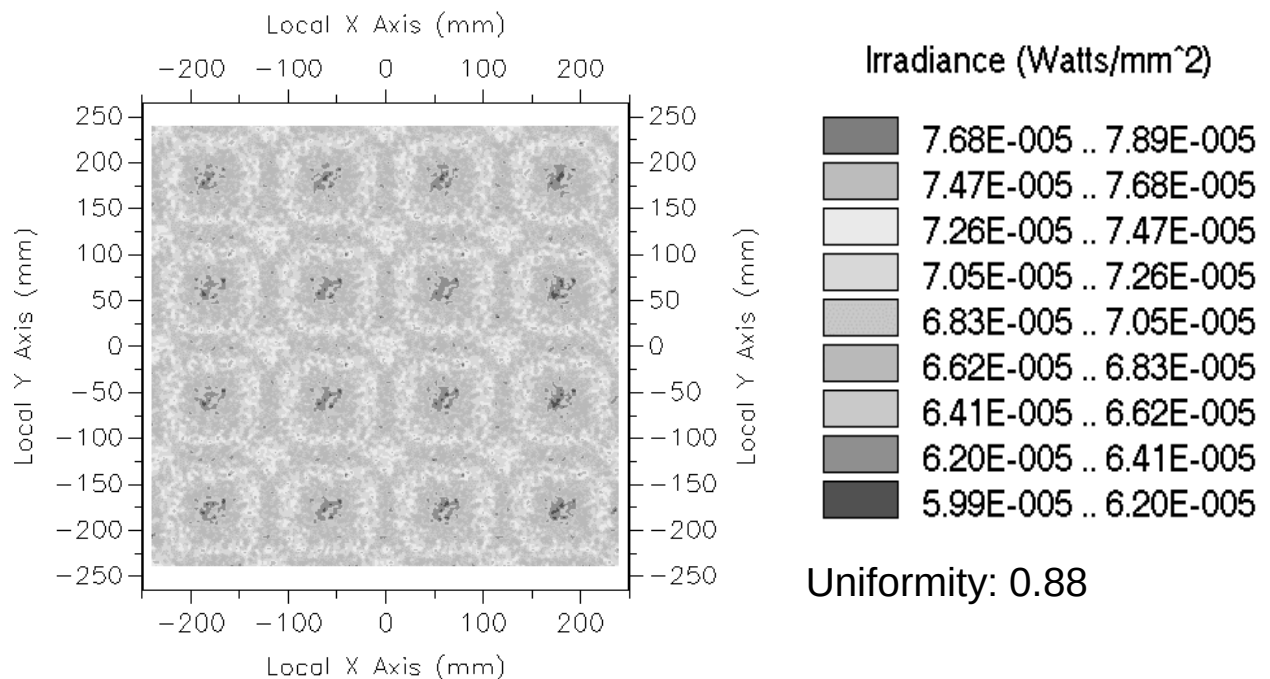
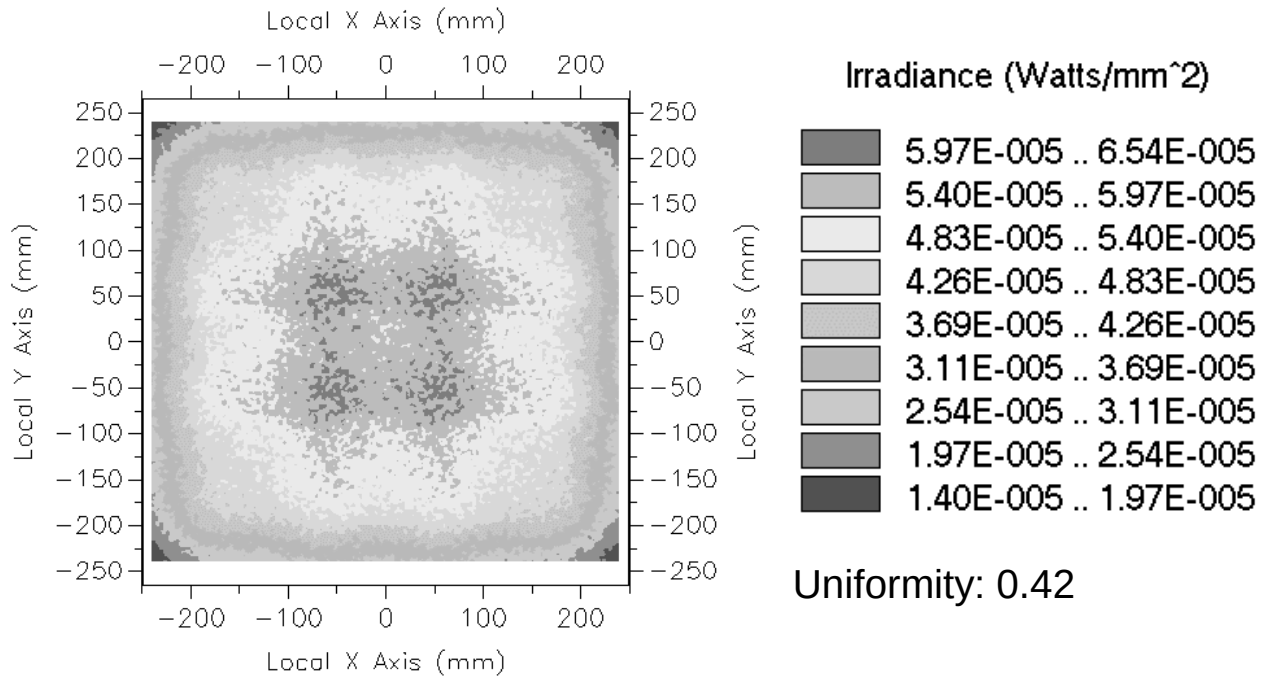


FIG. 7 (continued)

(B) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

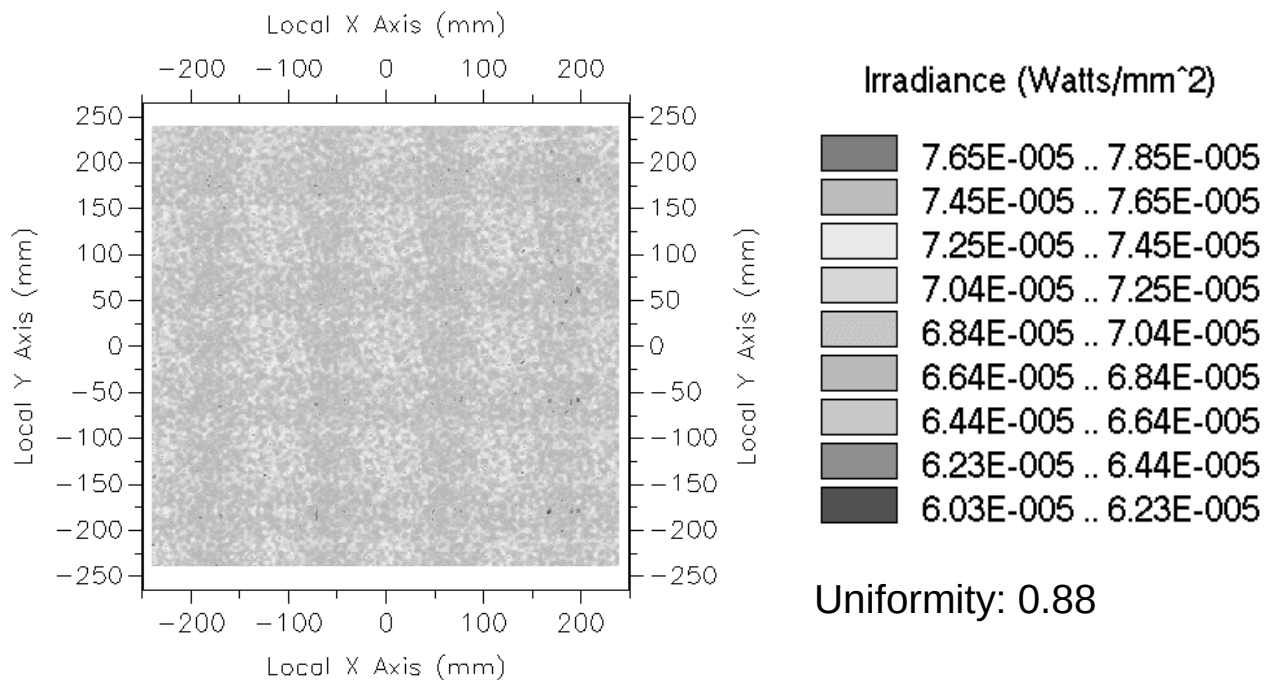
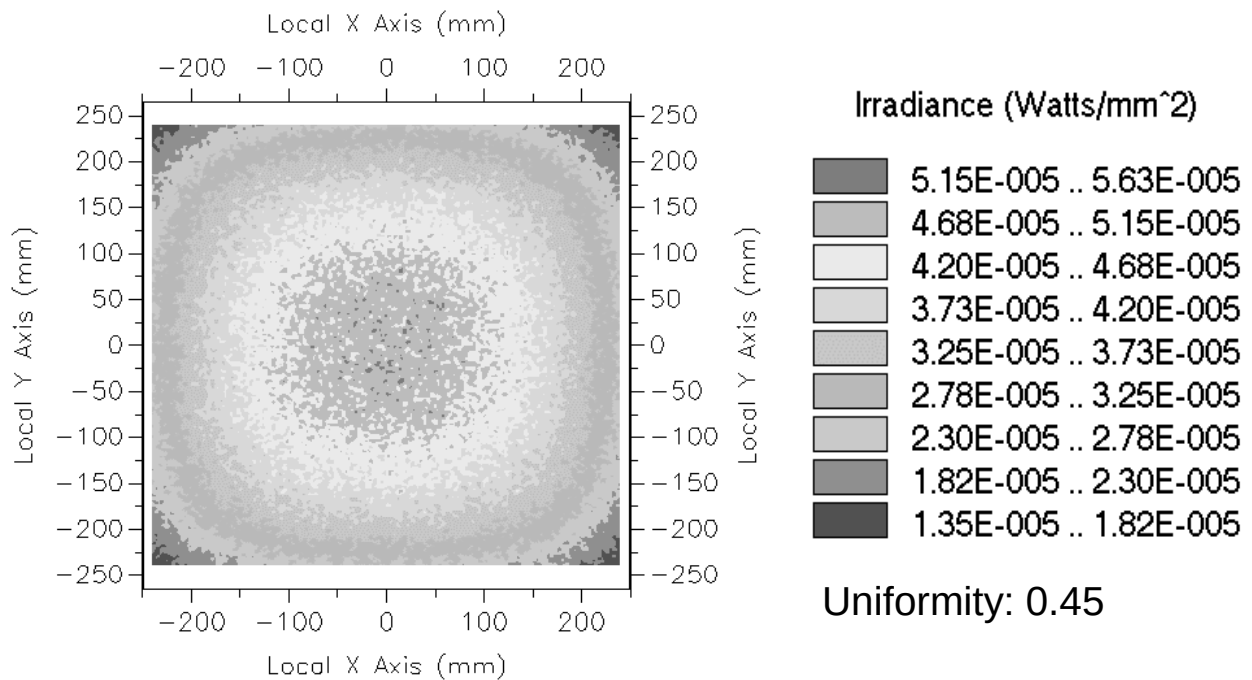


FIG. 7 (continued)

(B) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

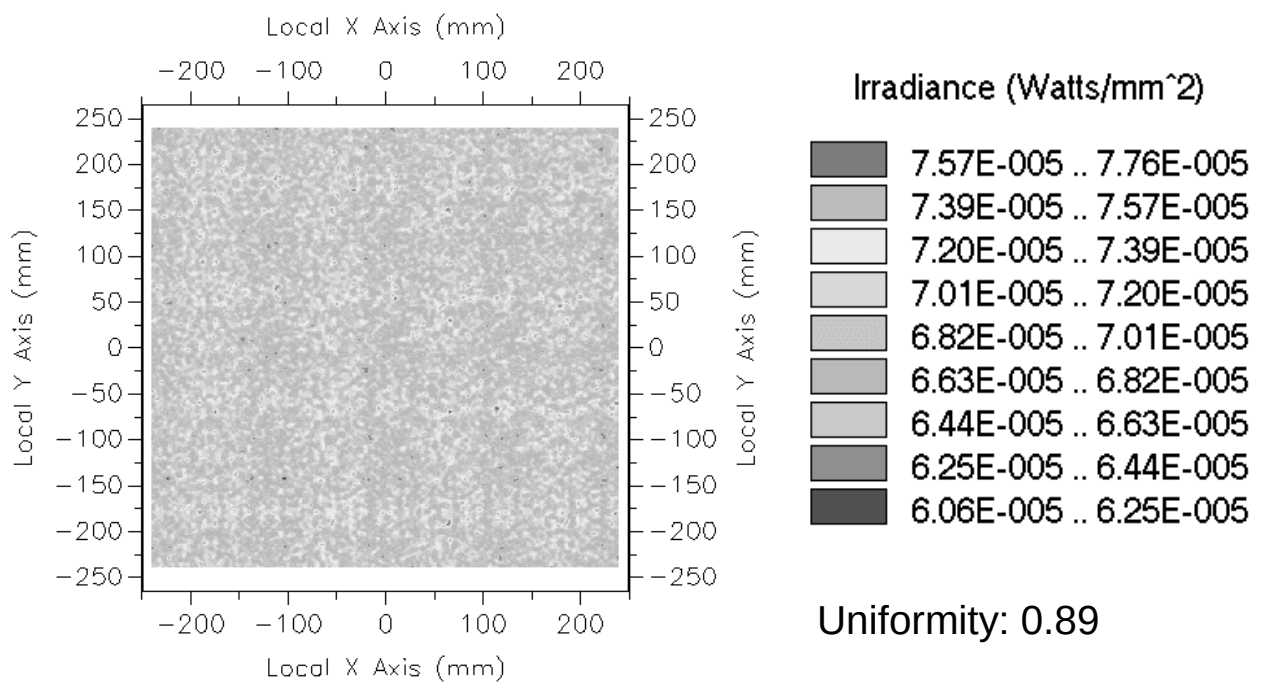
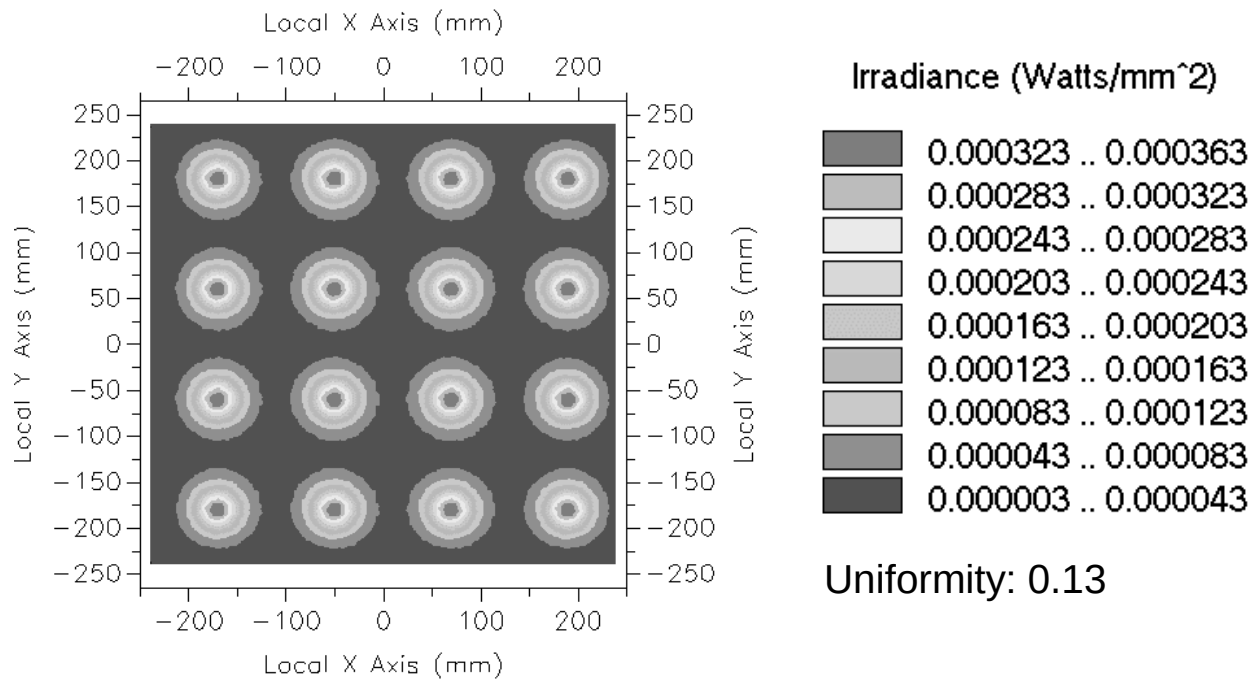


FIG. 7 (continued)

(C) Distance of illumination panel = **3cm** from target

Without reflector



With reflector

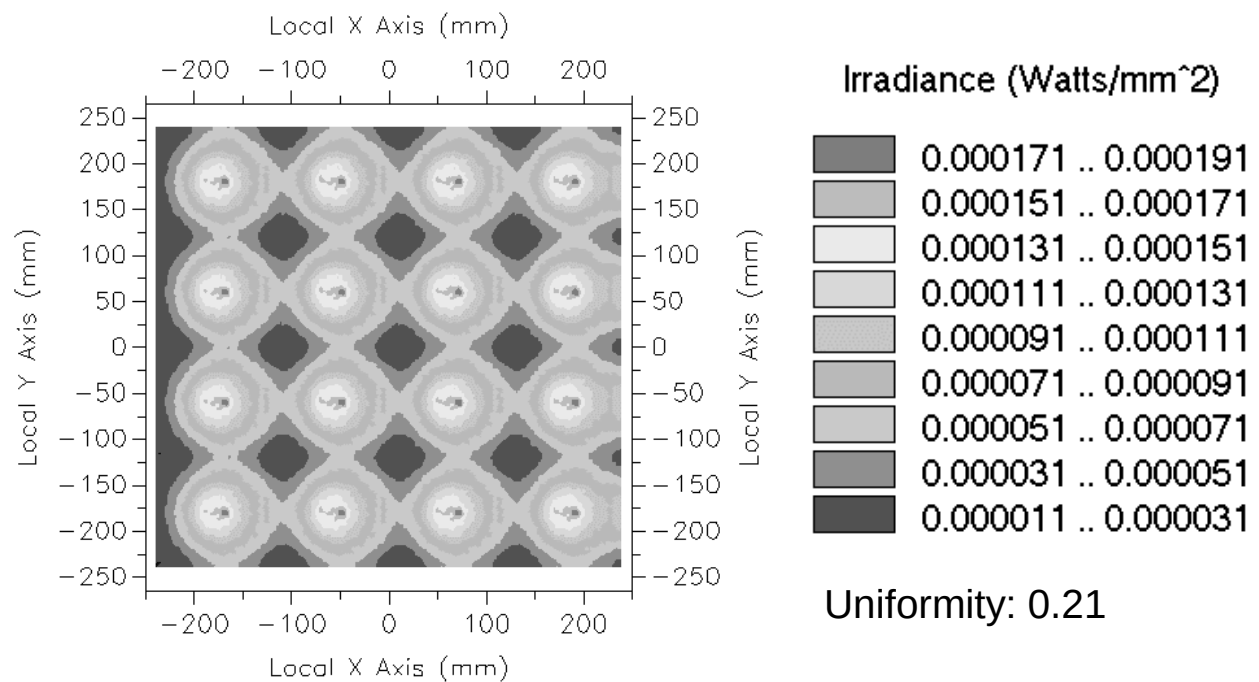
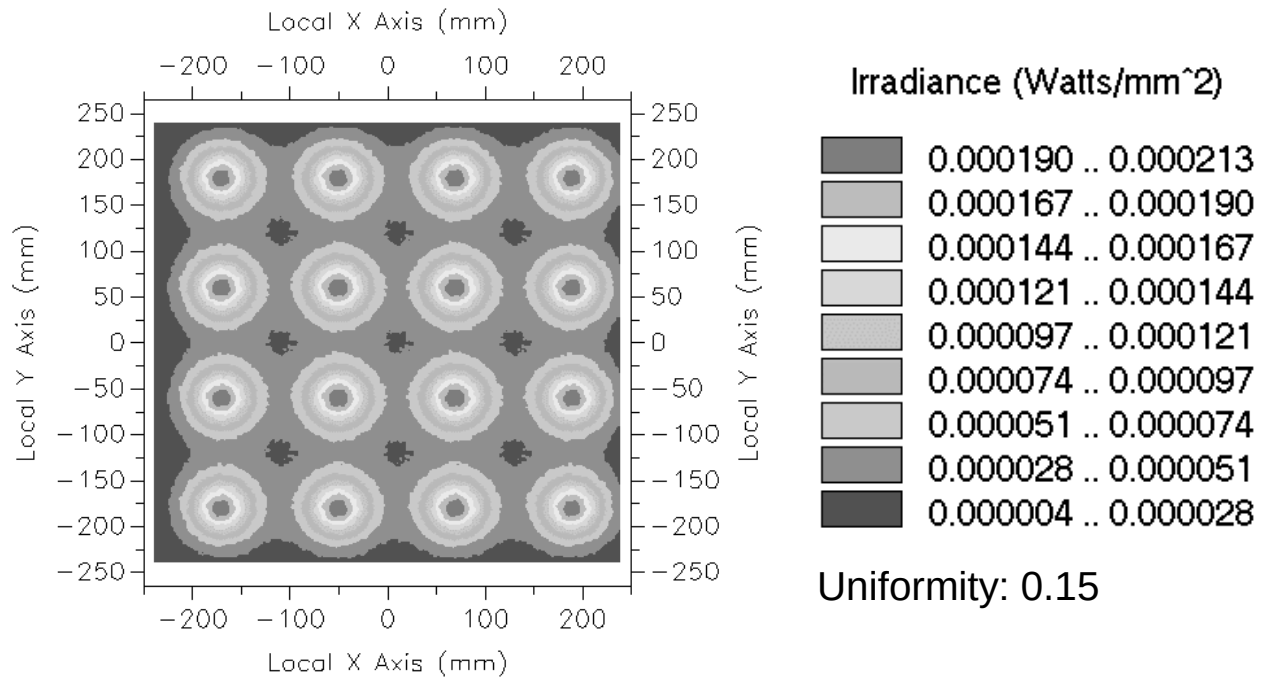


FIG. 7 (continued)

(C) Distance of illumination panel = **4cm** from target

Without reflector



With reflector

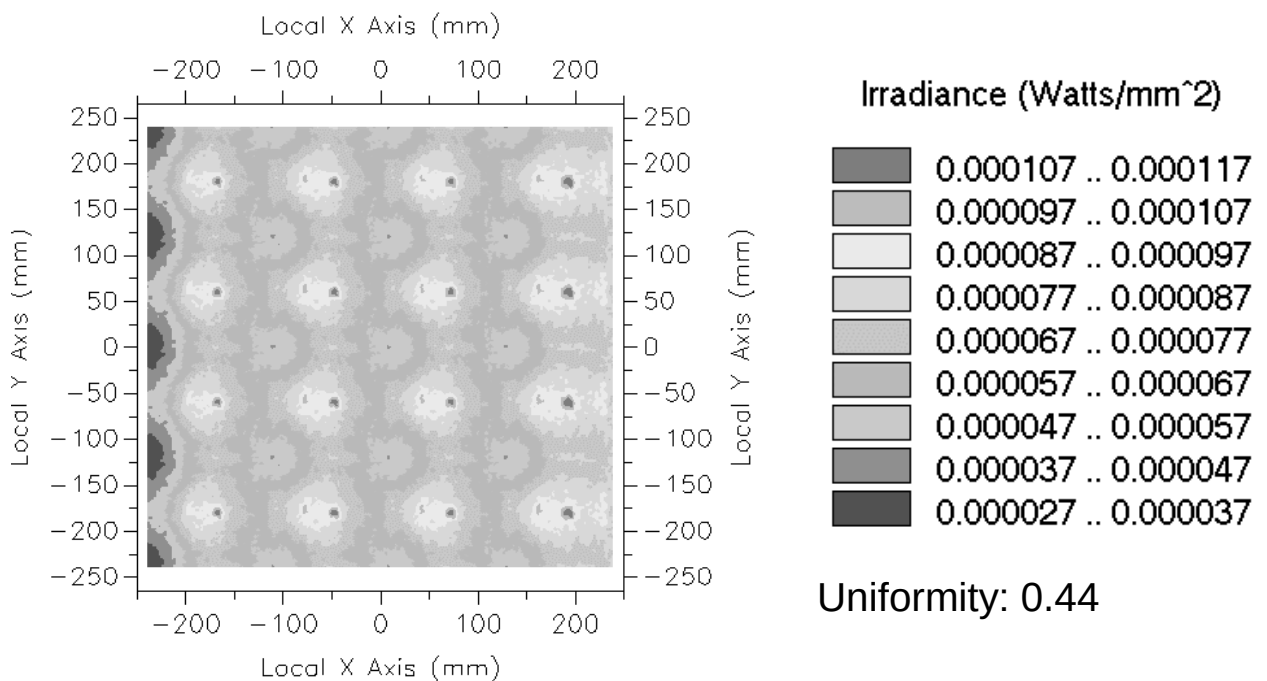
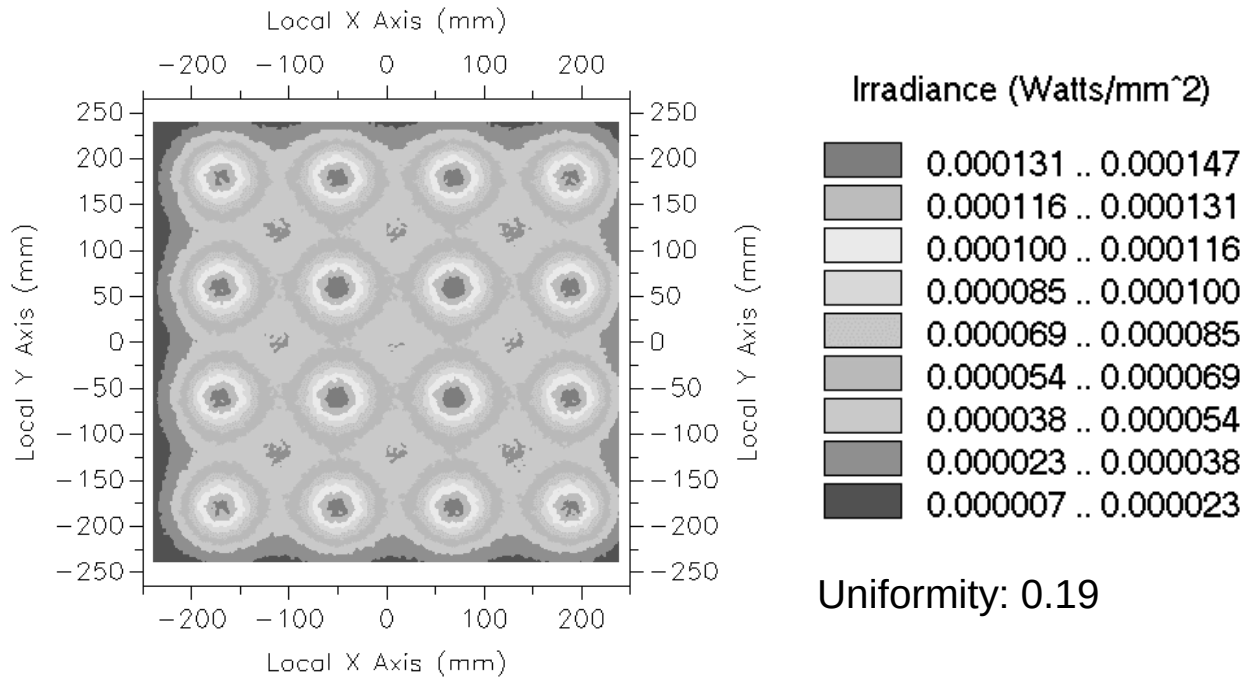


FIG. 7 (continued)

(C) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

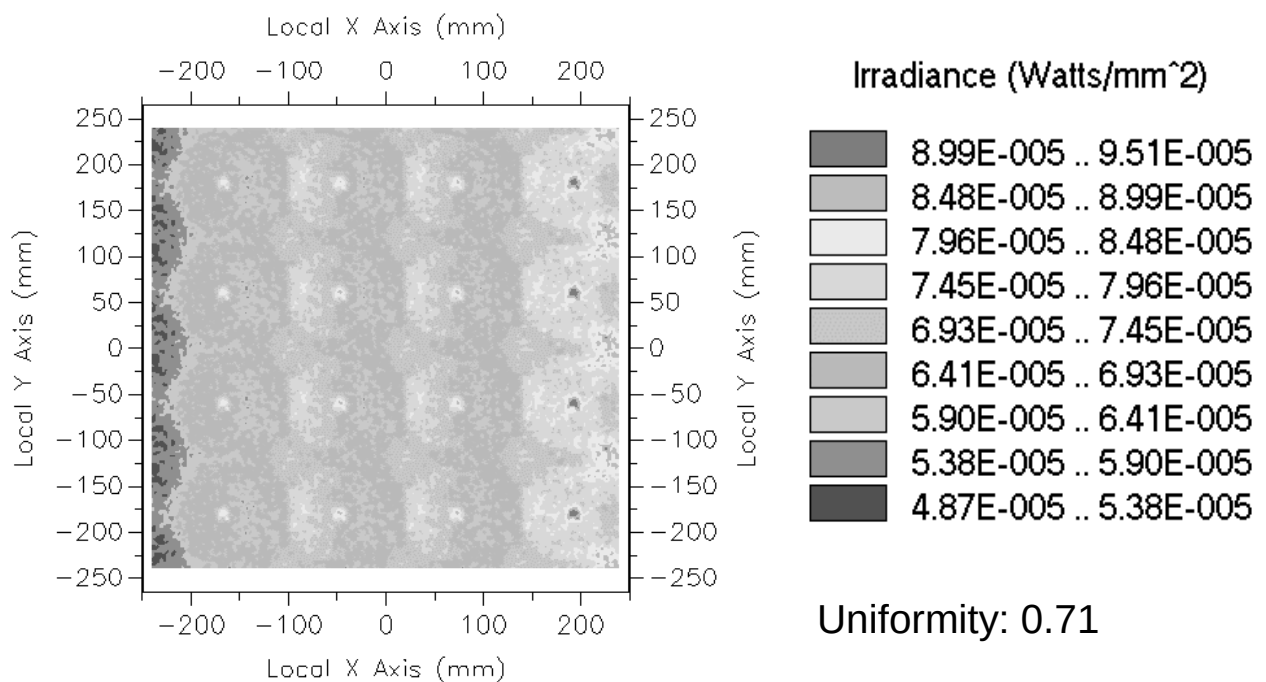
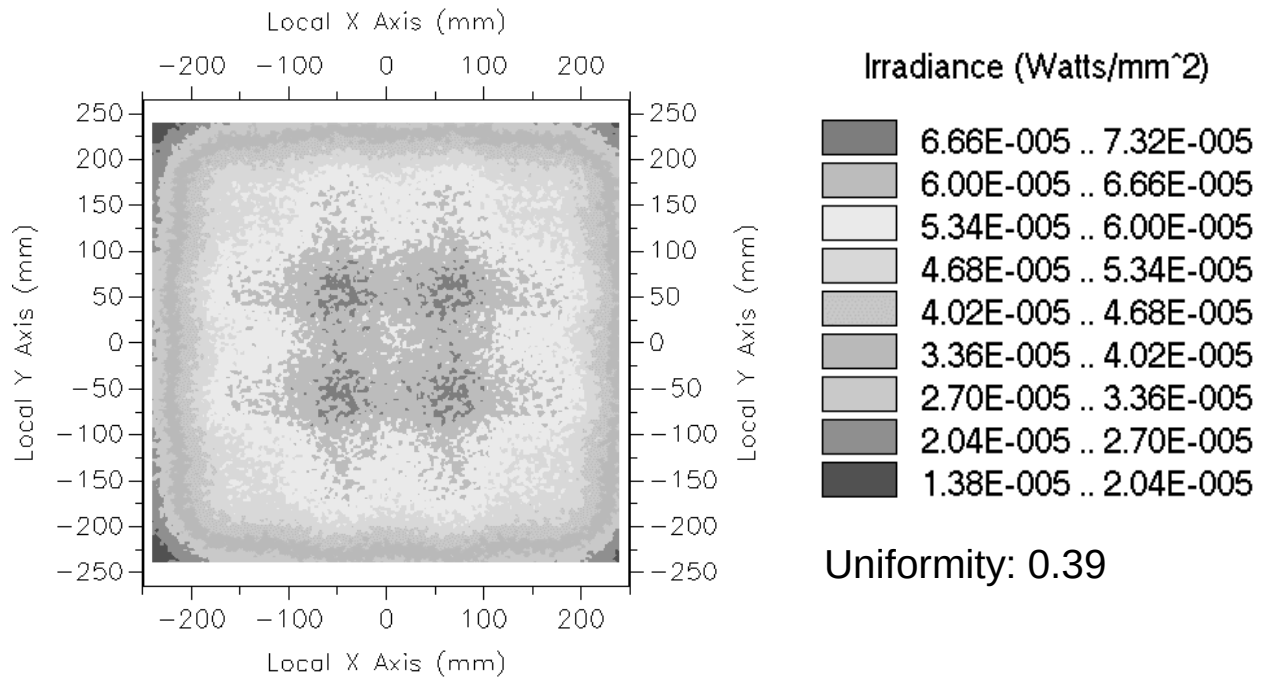


FIG. 7 (continued)

(C) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

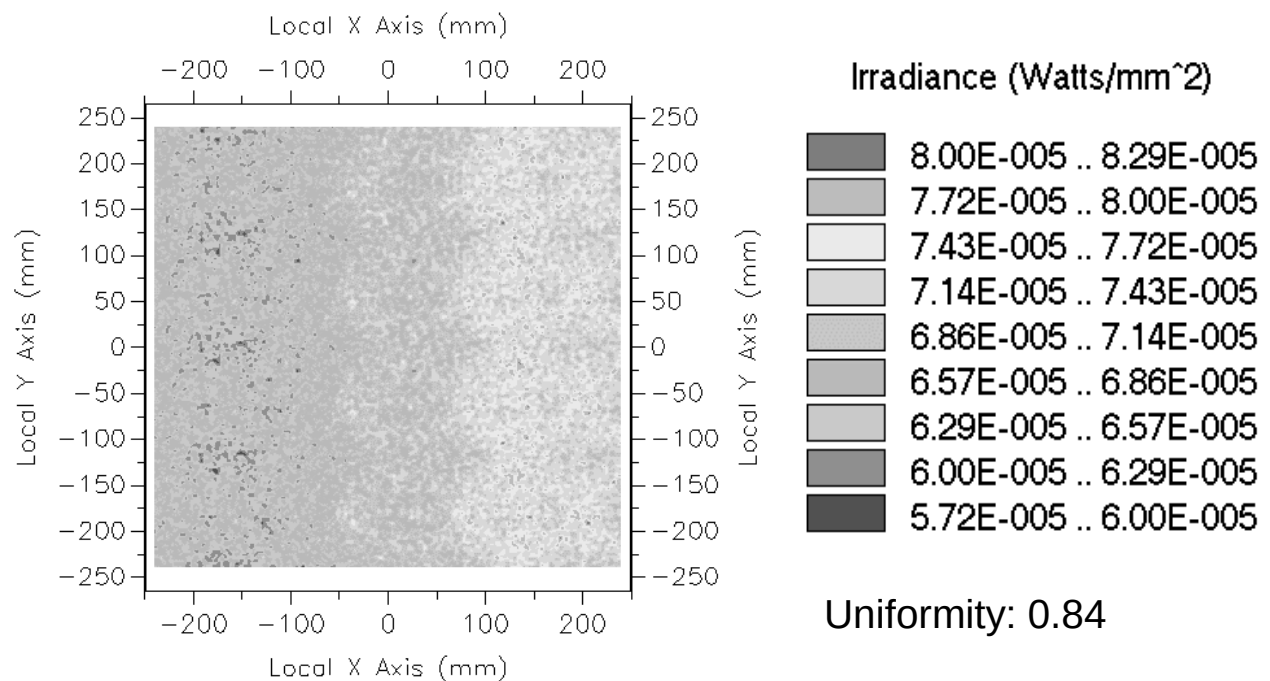
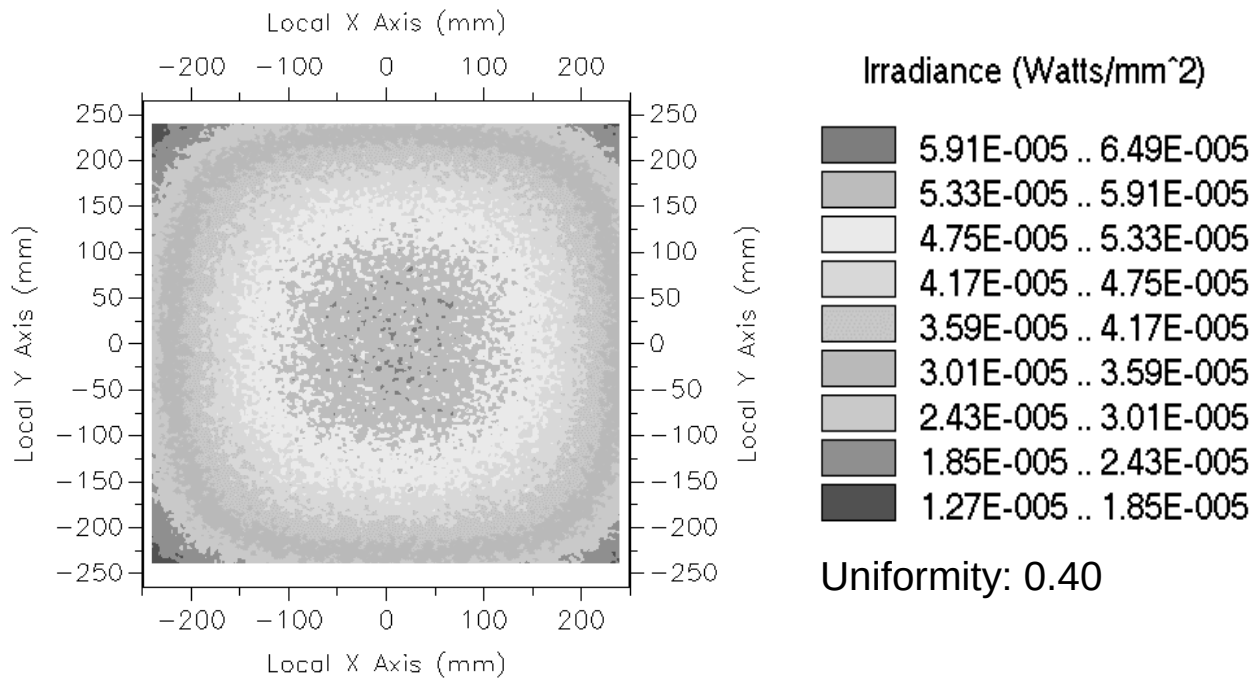


FIG. 7 (continued)

(C) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

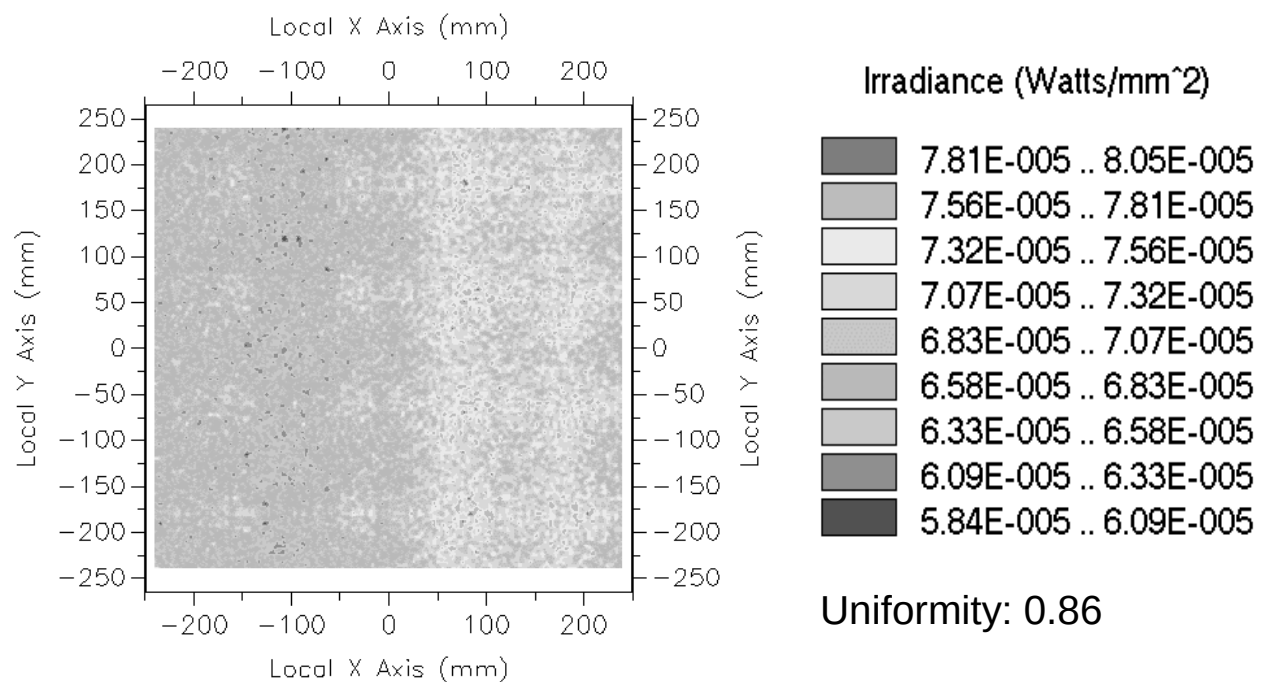
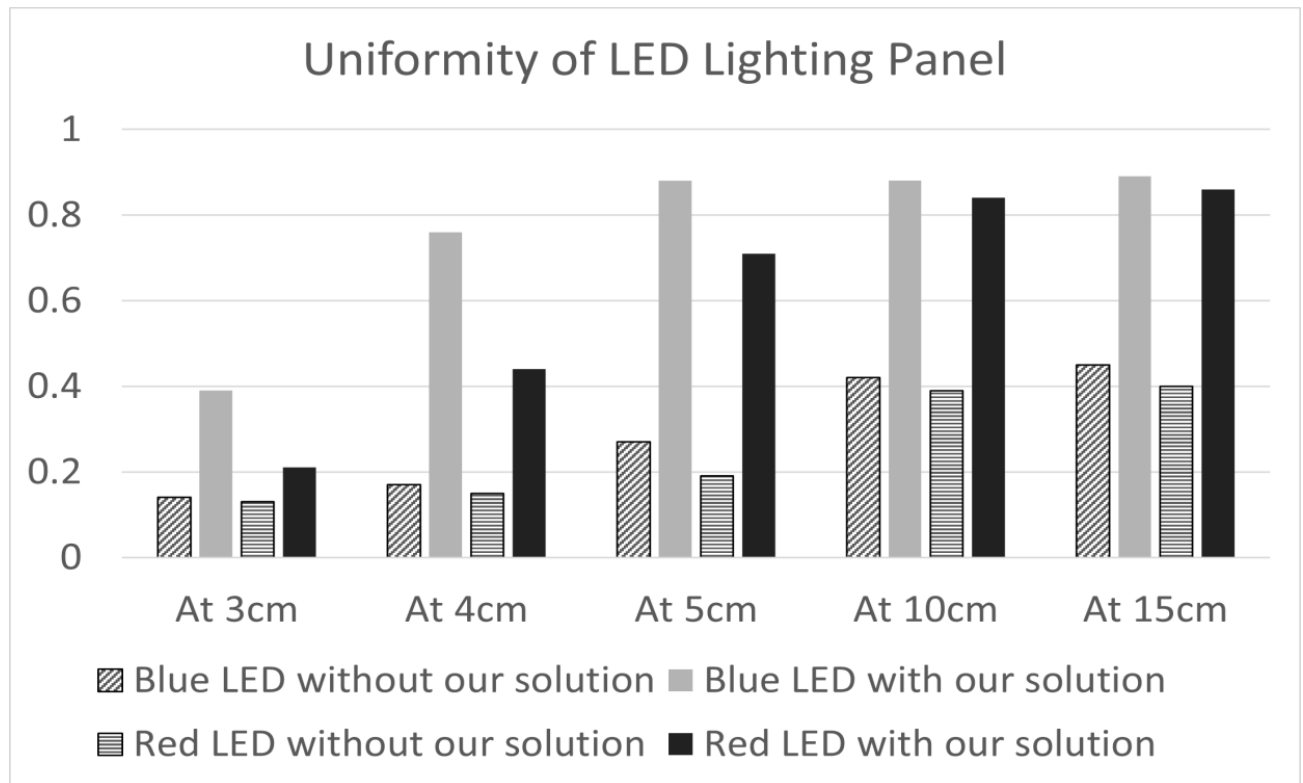


FIG. 7 (continued)

(D)



(E)

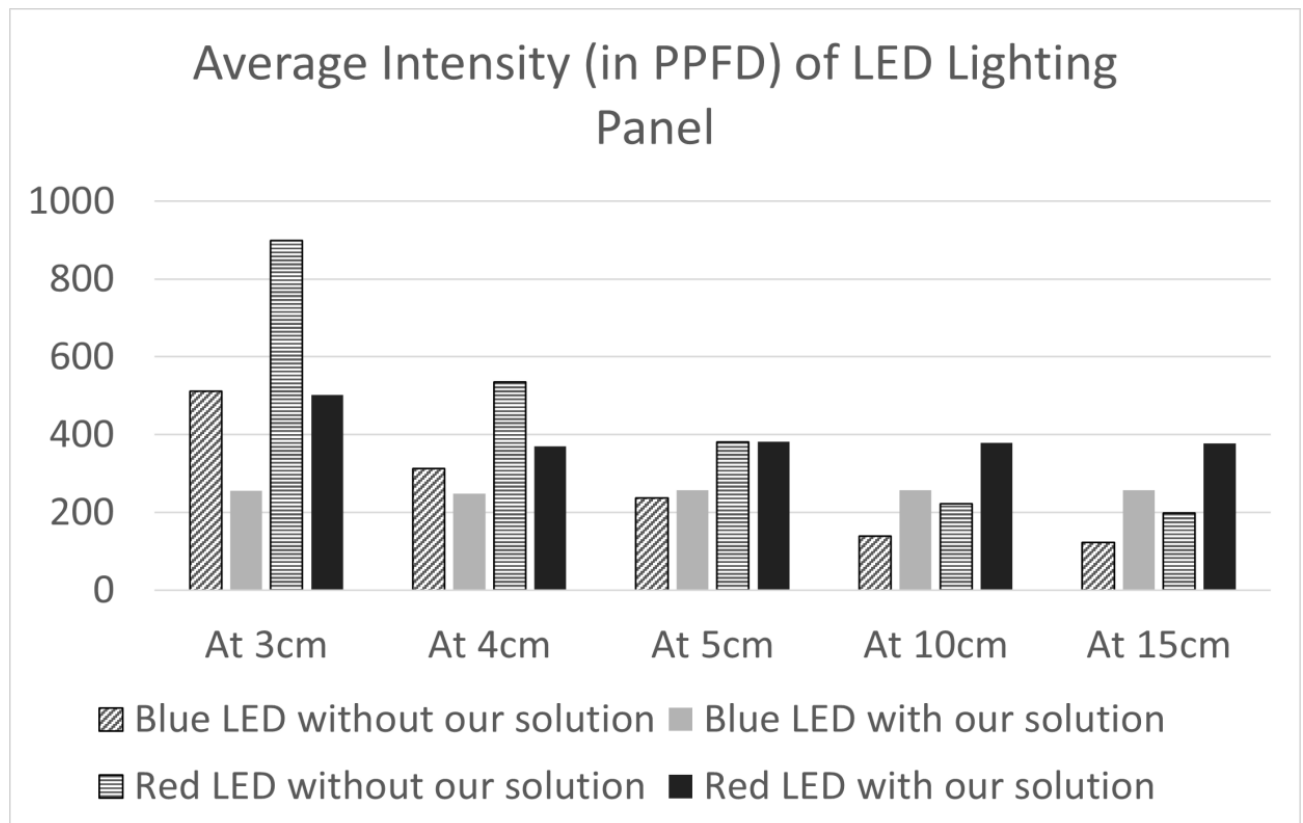
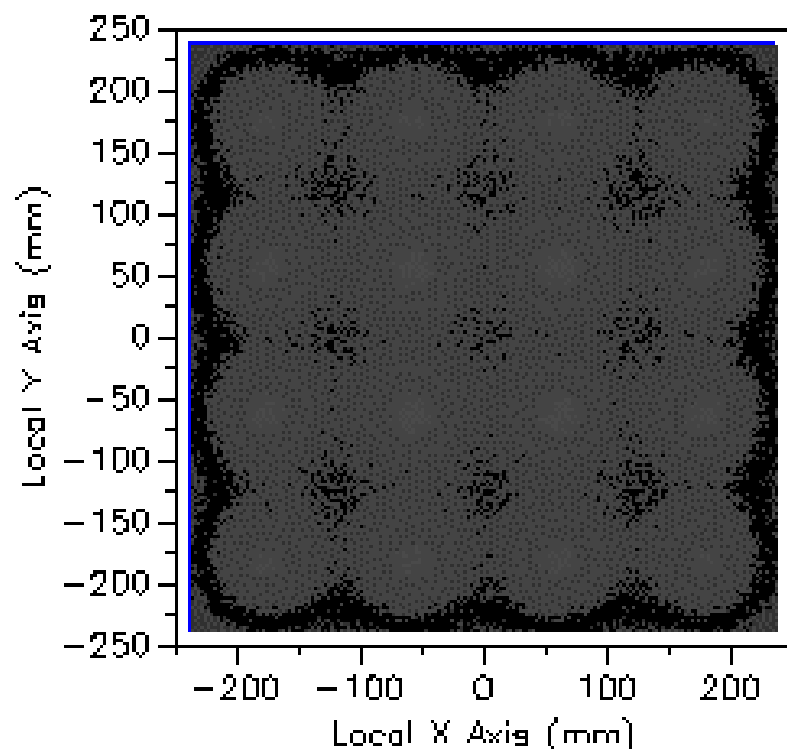


FIG. 7 (continued)

(A)

Without reflector



With reflector

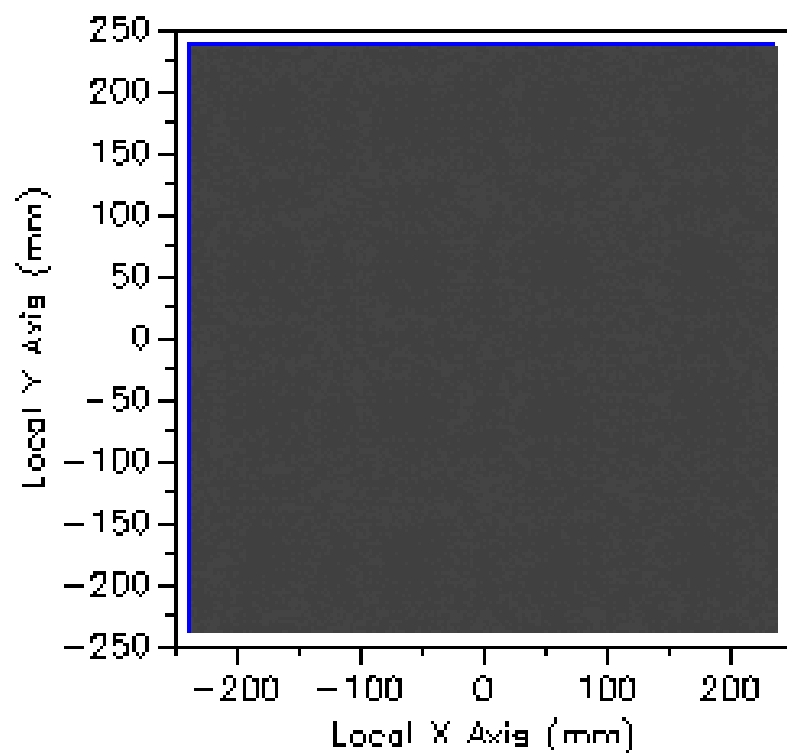
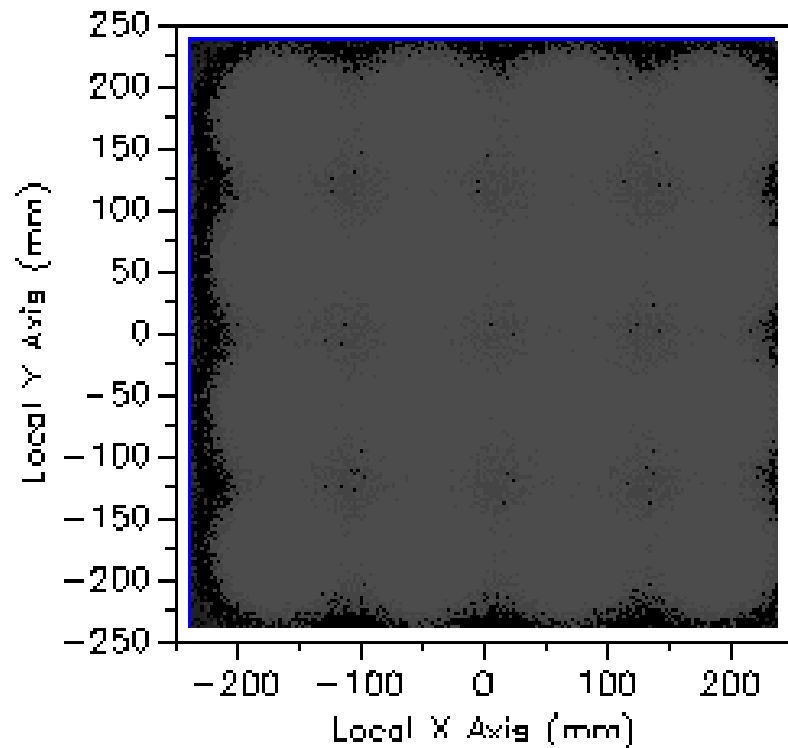


FIG. 8

(B)

Without reflector



With reflector

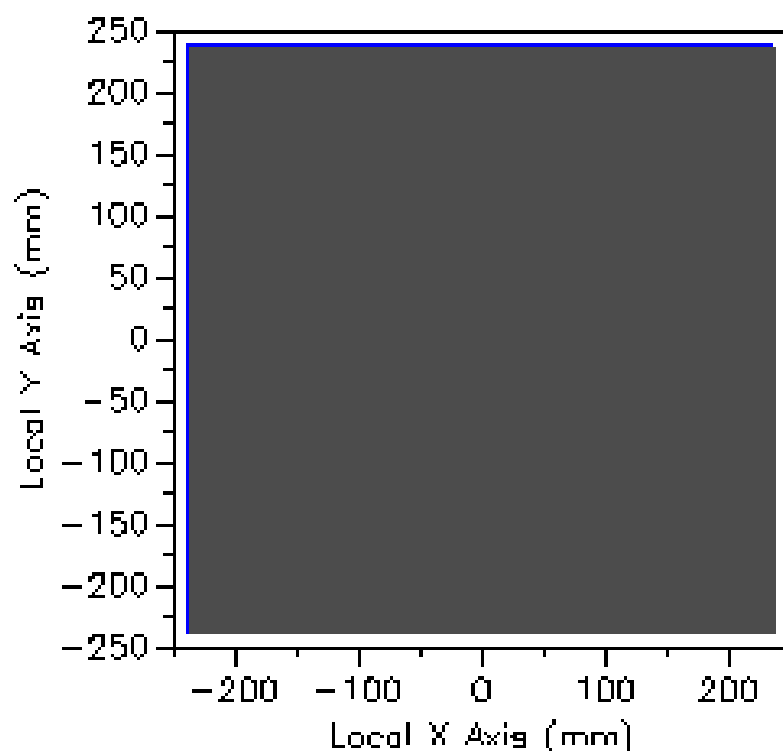
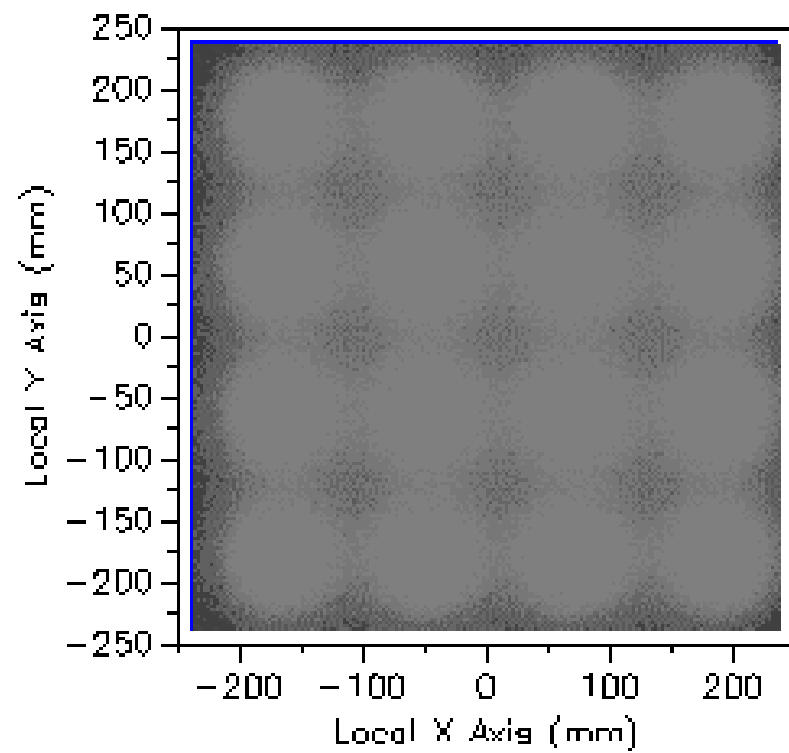


FIG. 8 (continued)

(C)

Without reflector



With reflector

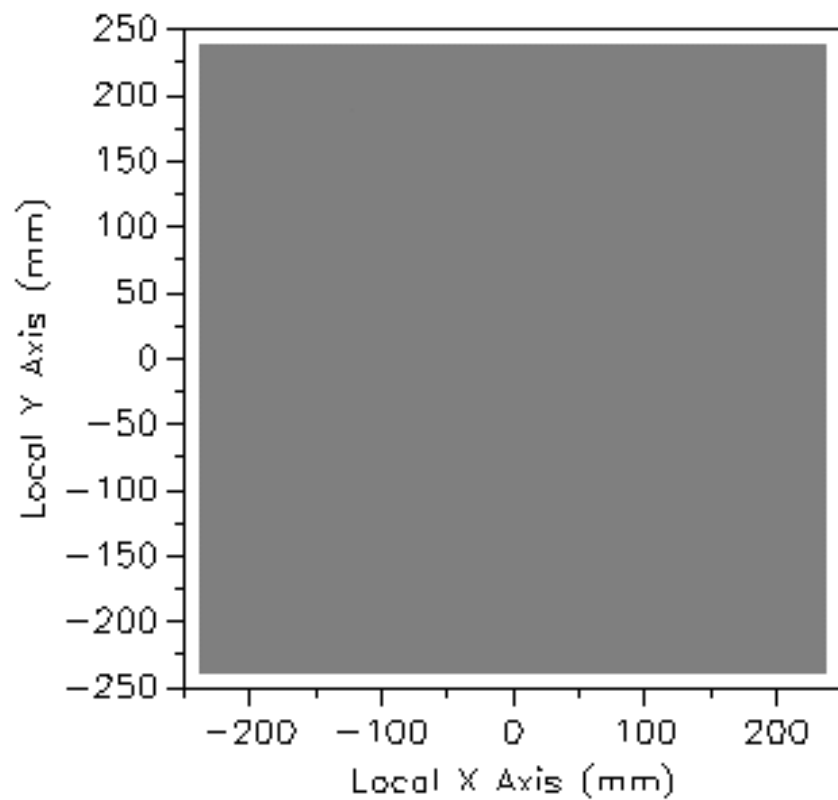
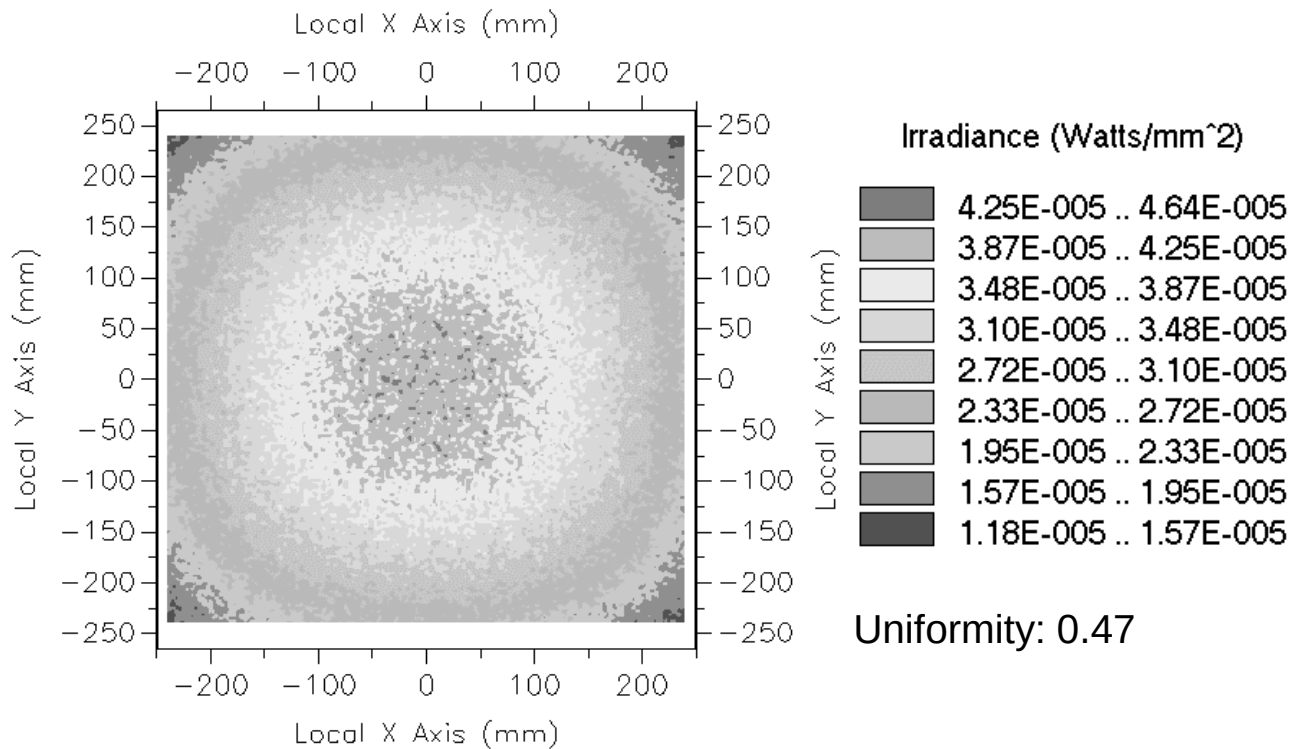


FIG. 8 (continued)

(A)

Without reflector



With reflector

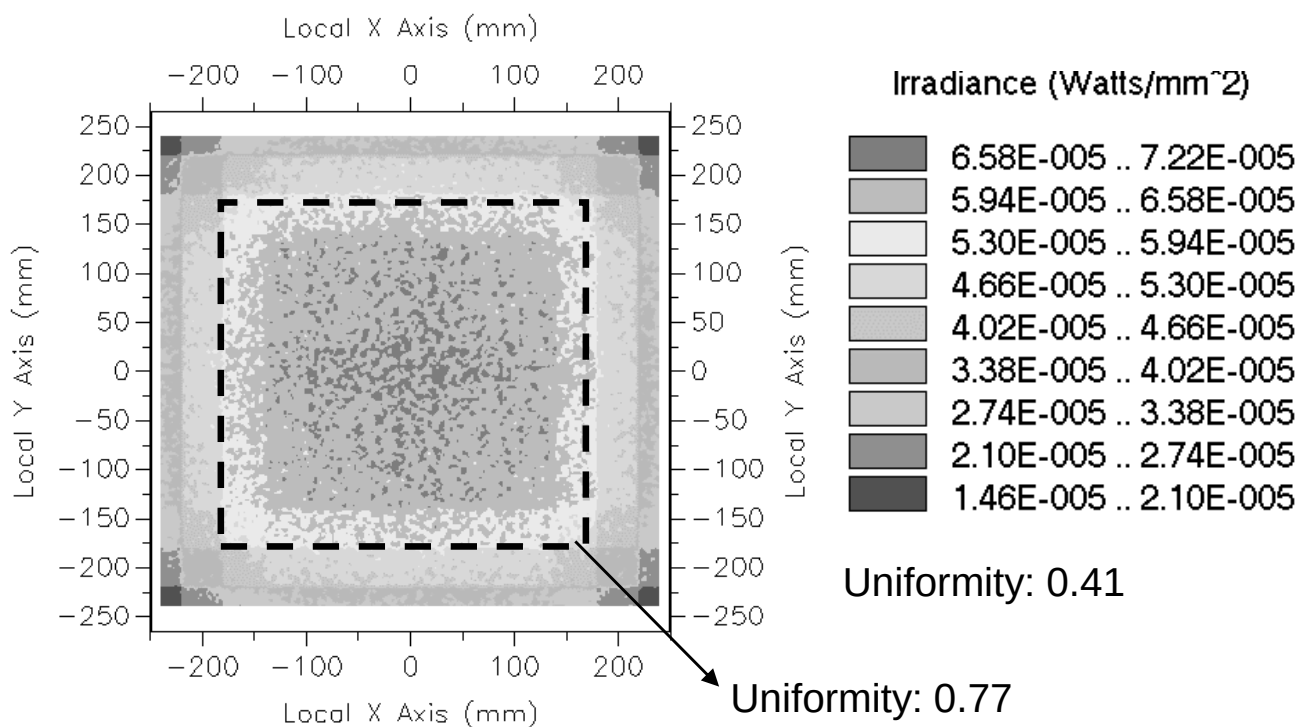
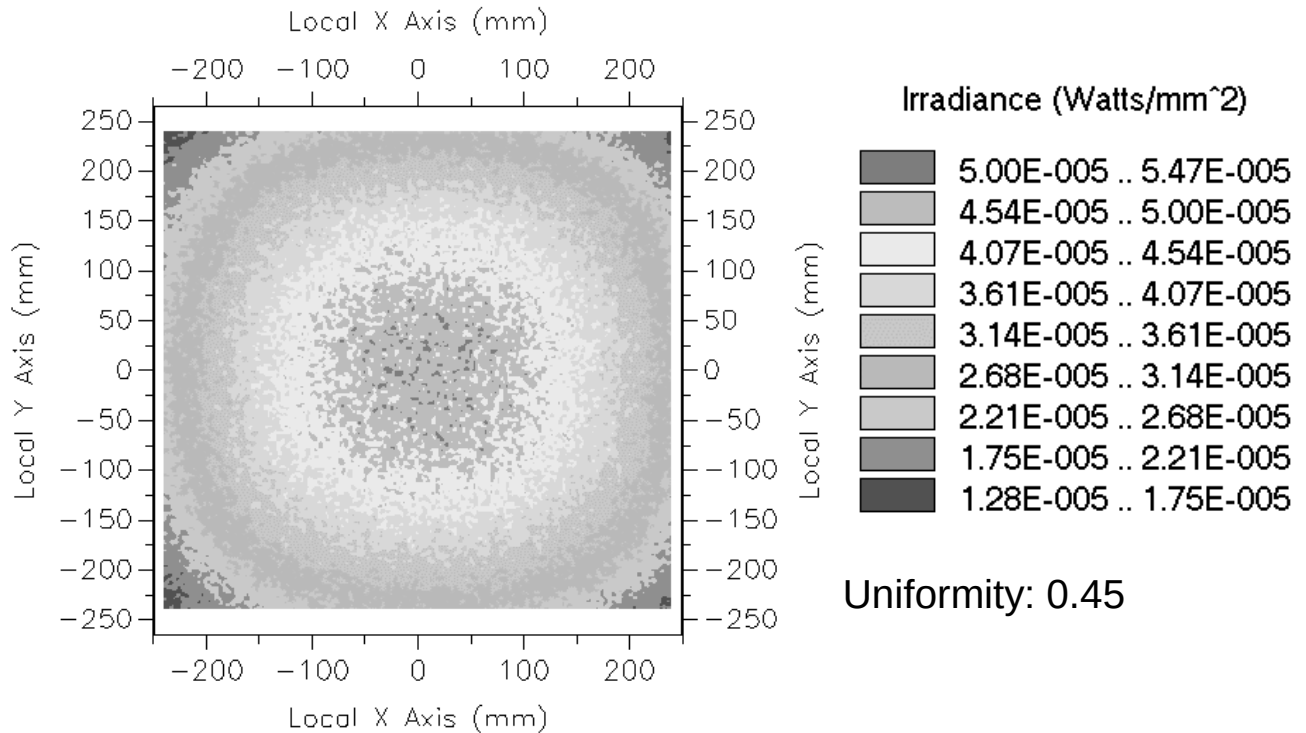


FIG. 9

(B)

Without reflector



With reflector

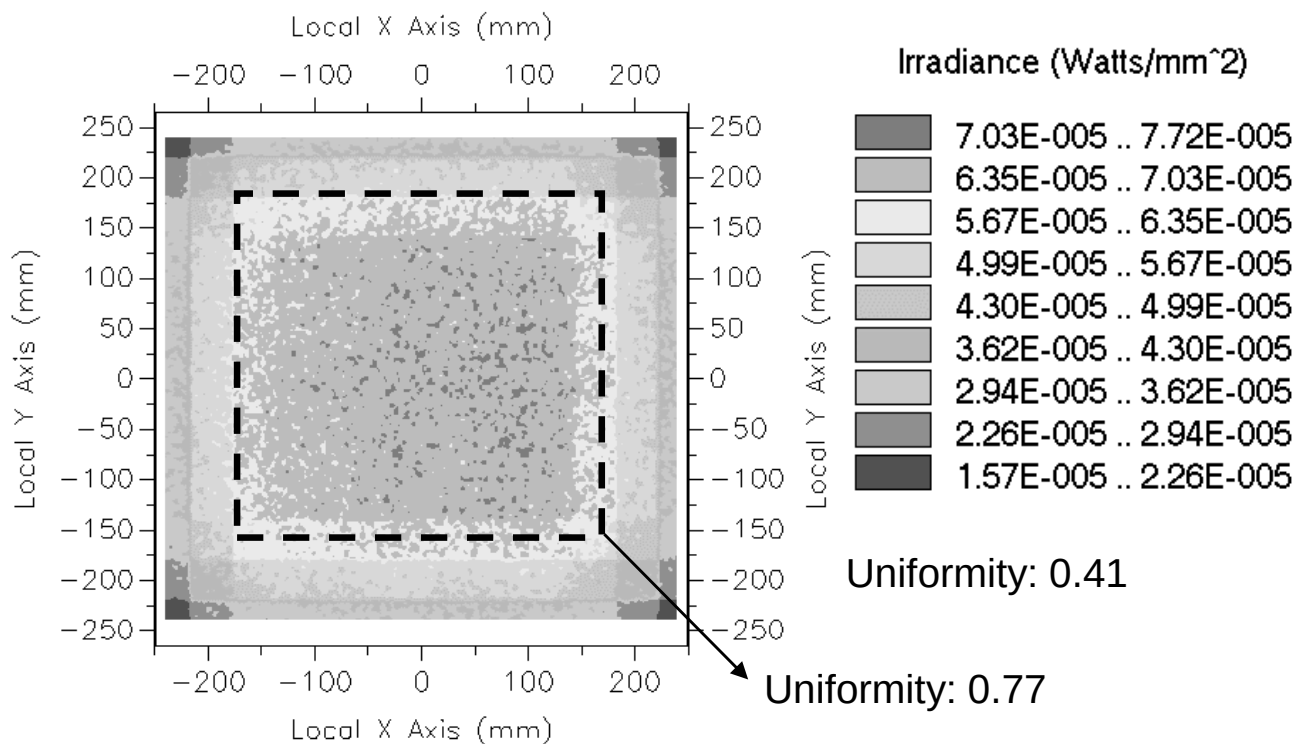
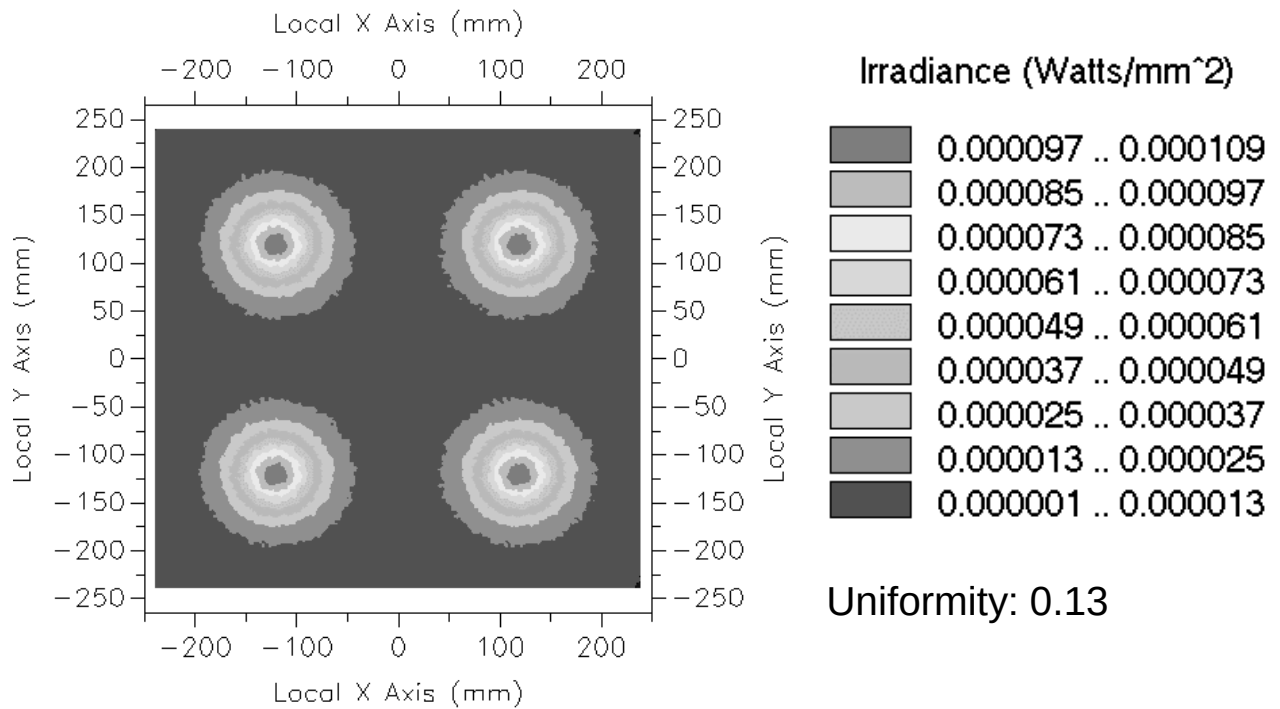


FIG. 9 (continued)

(A) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

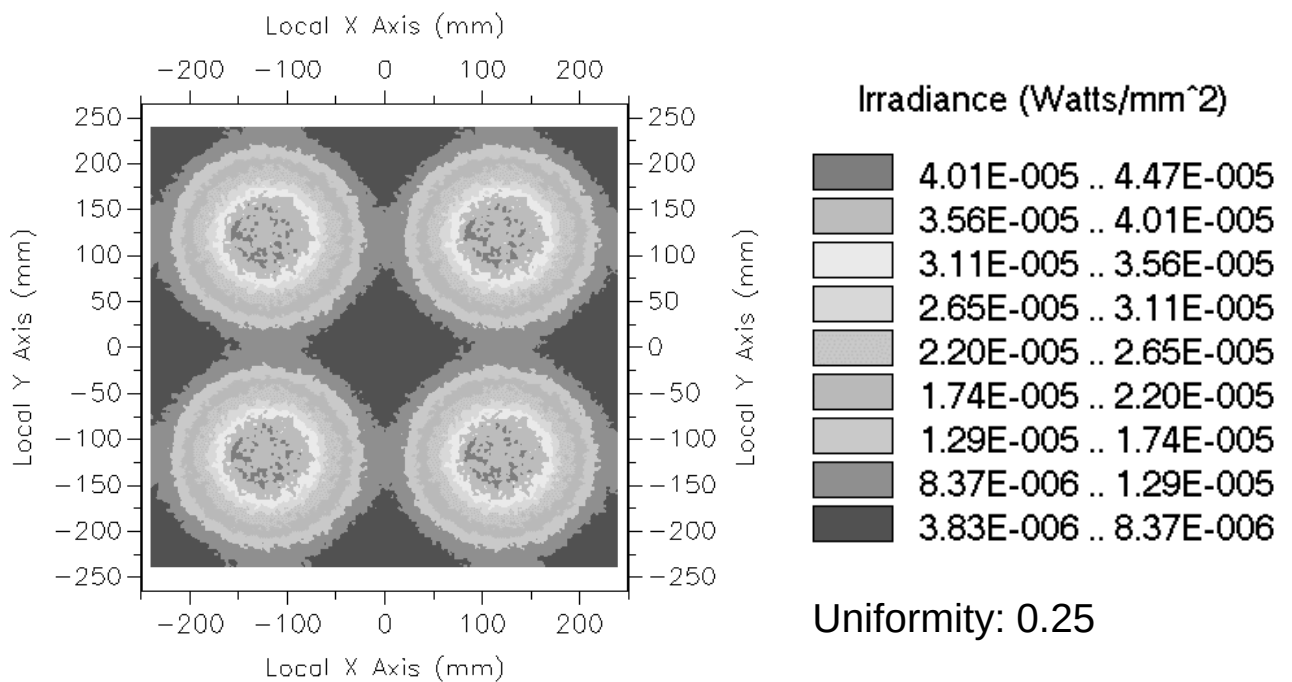
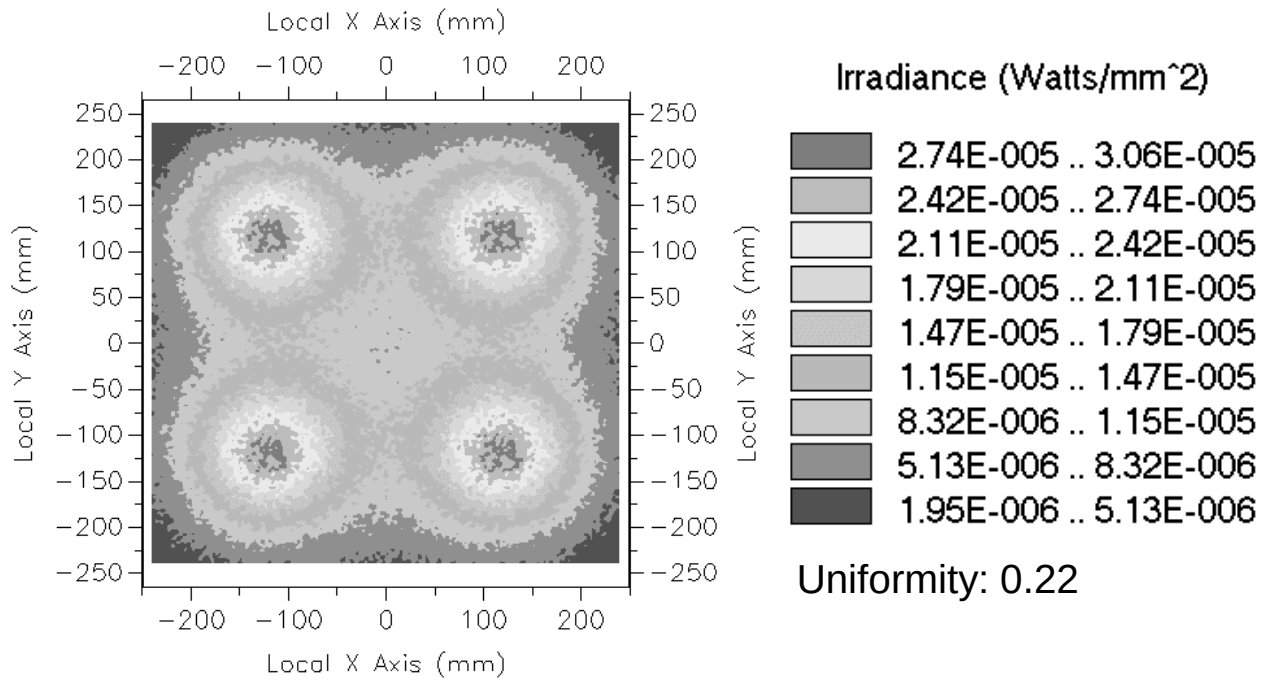


FIG. 10

(A) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

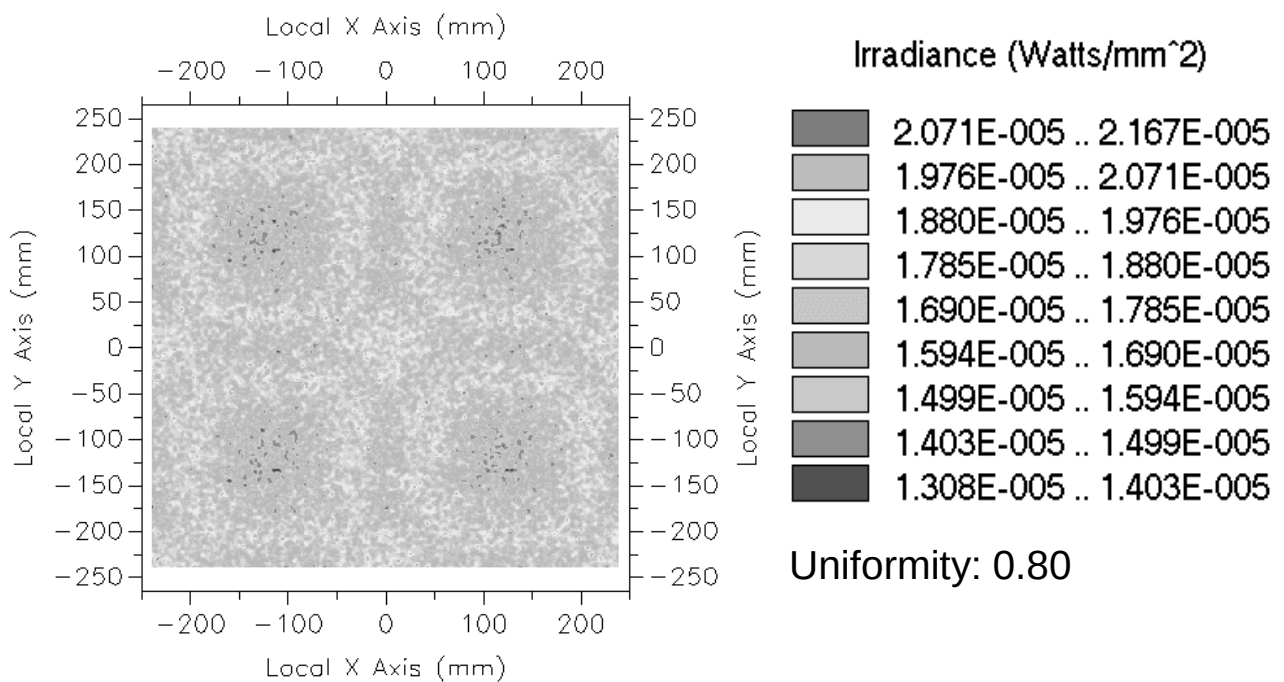
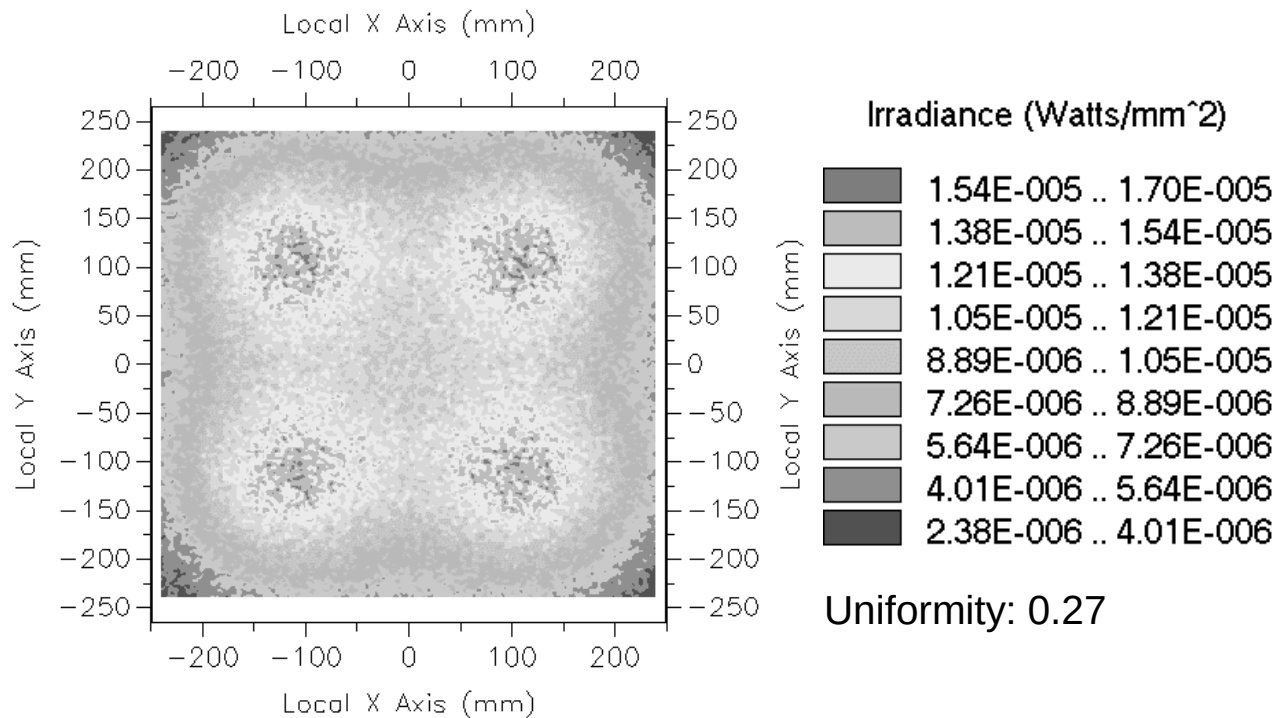


FIG. 10 (continued)

(A) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

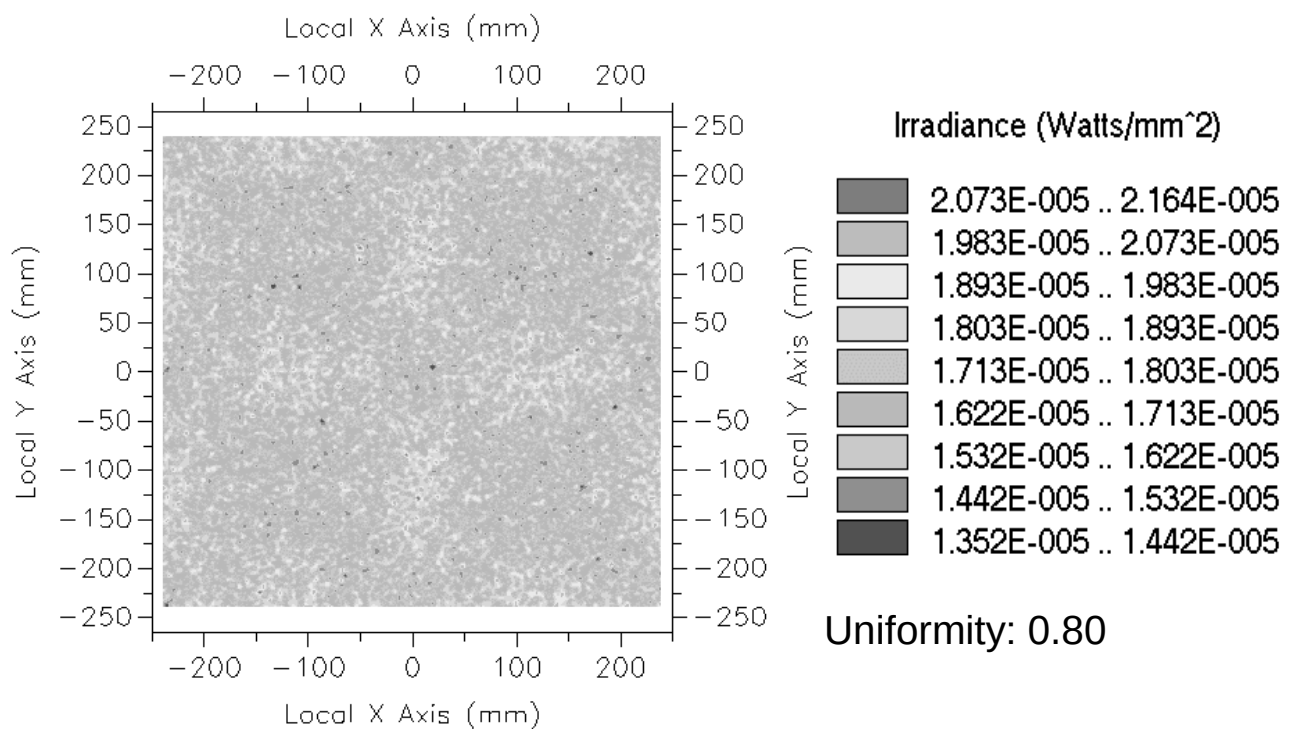
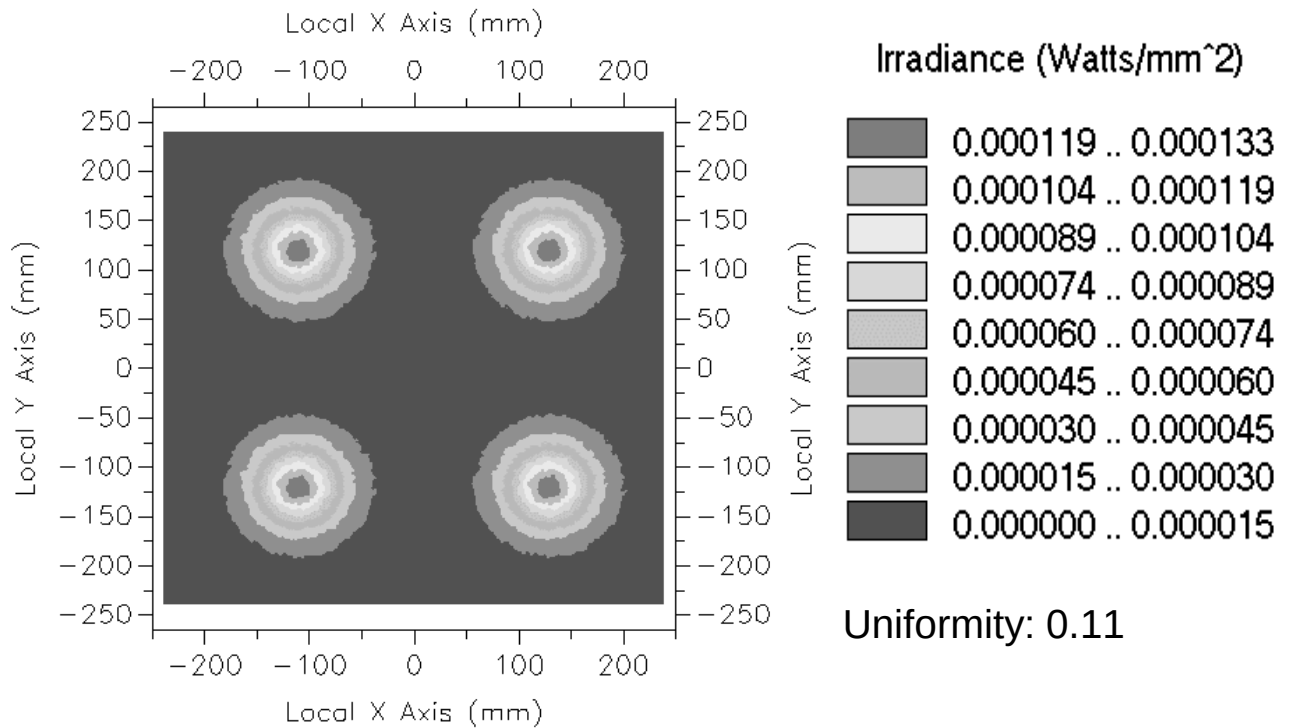


FIG. 10 (continued)

(B) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

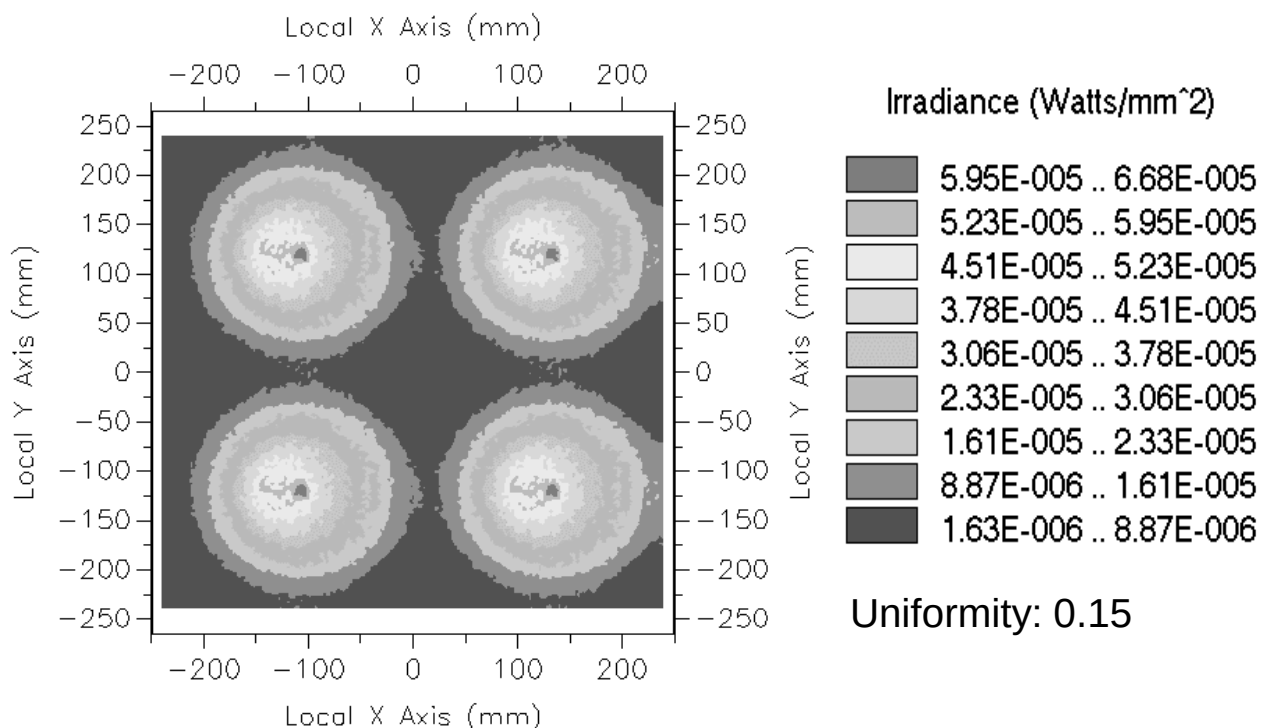
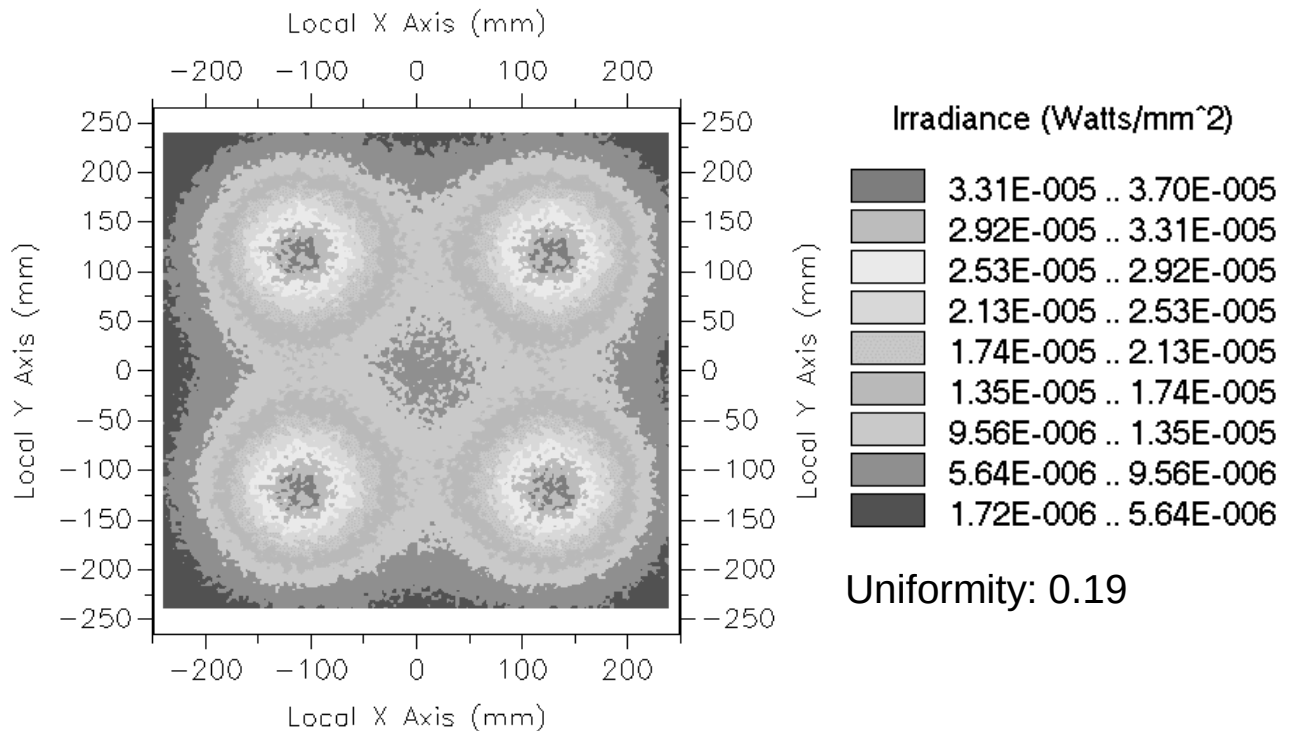


FIG. 10 (continued)

(B) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

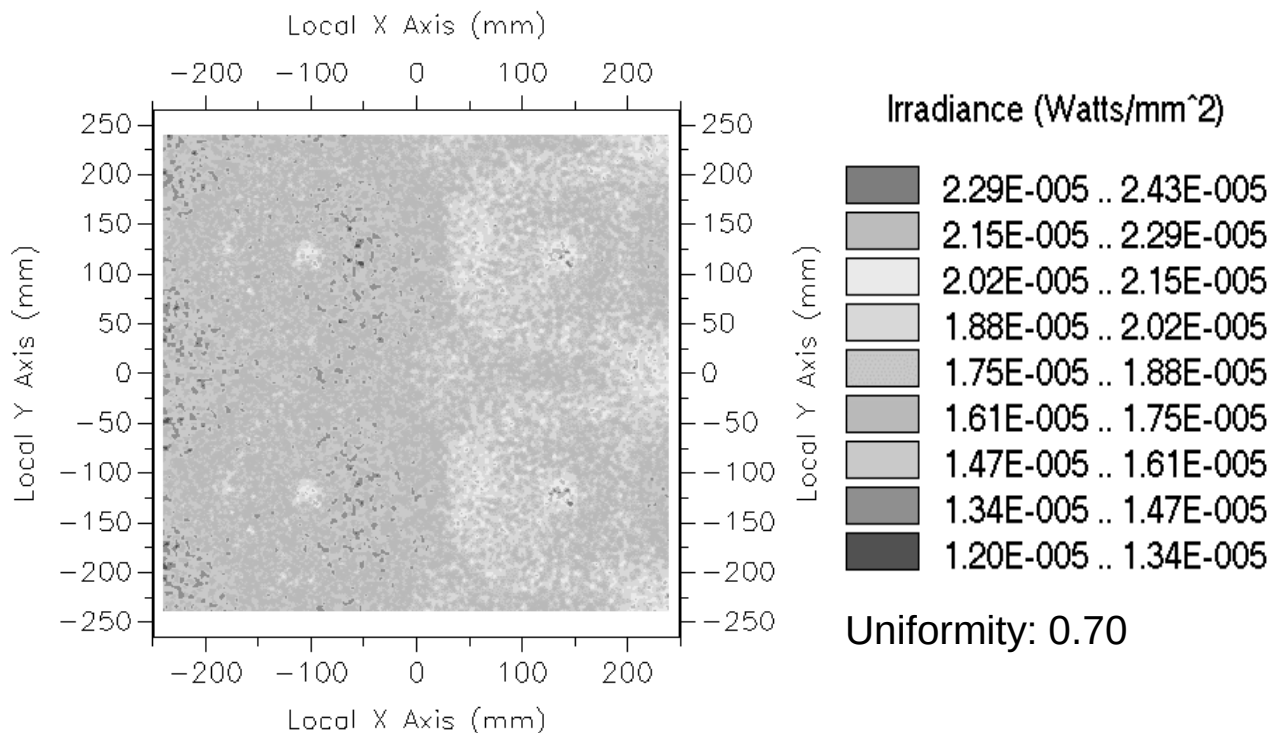
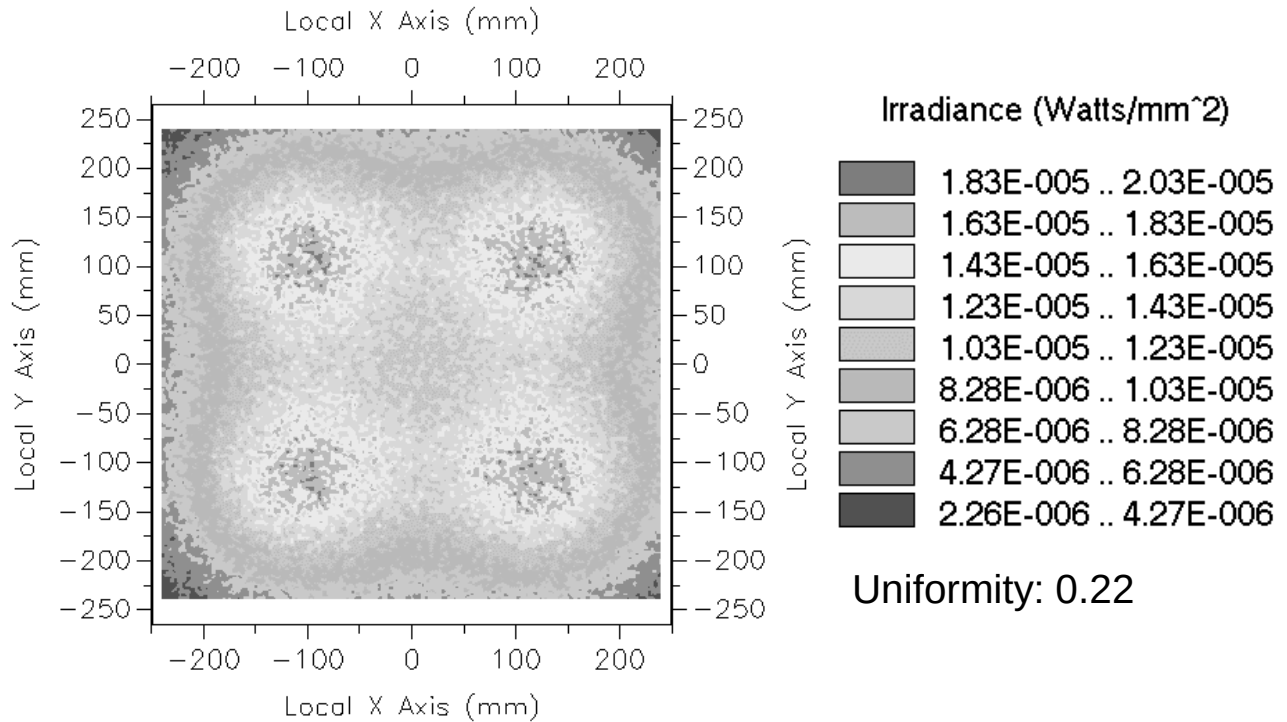


FIG. 10 (continued)

(B) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

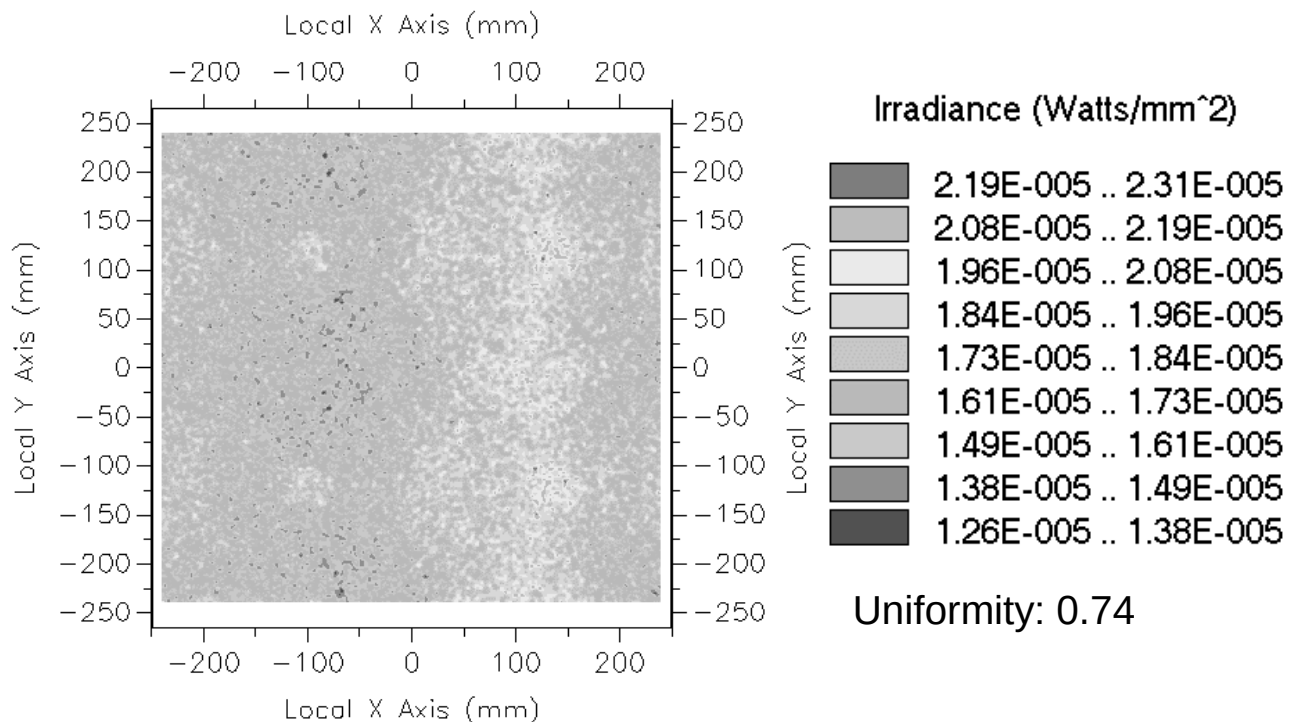
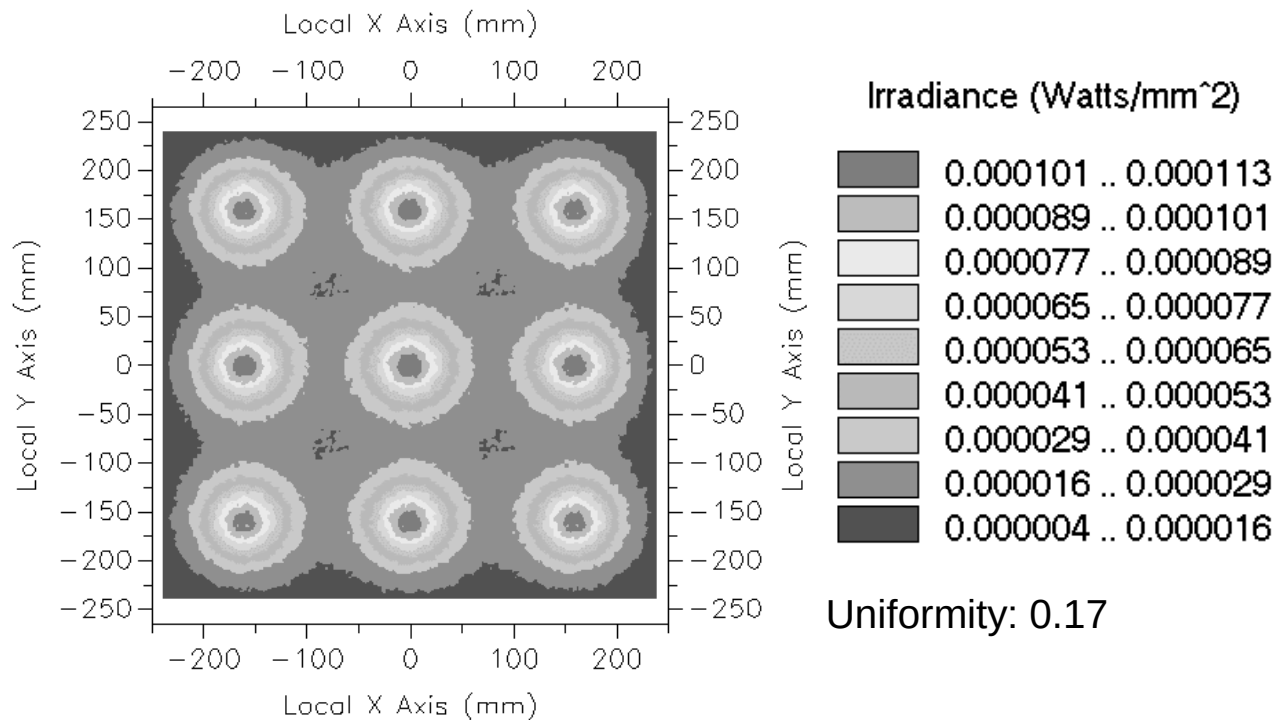


FIG. 10 (continued)

(C) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

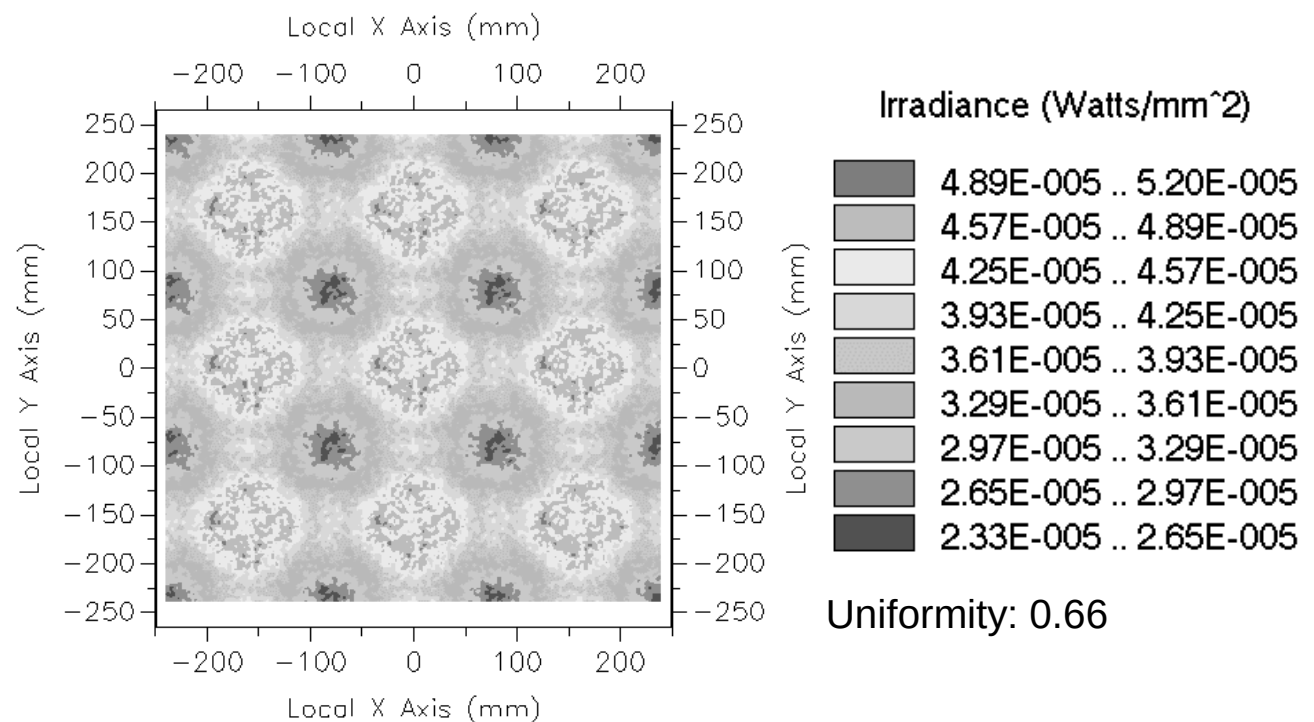
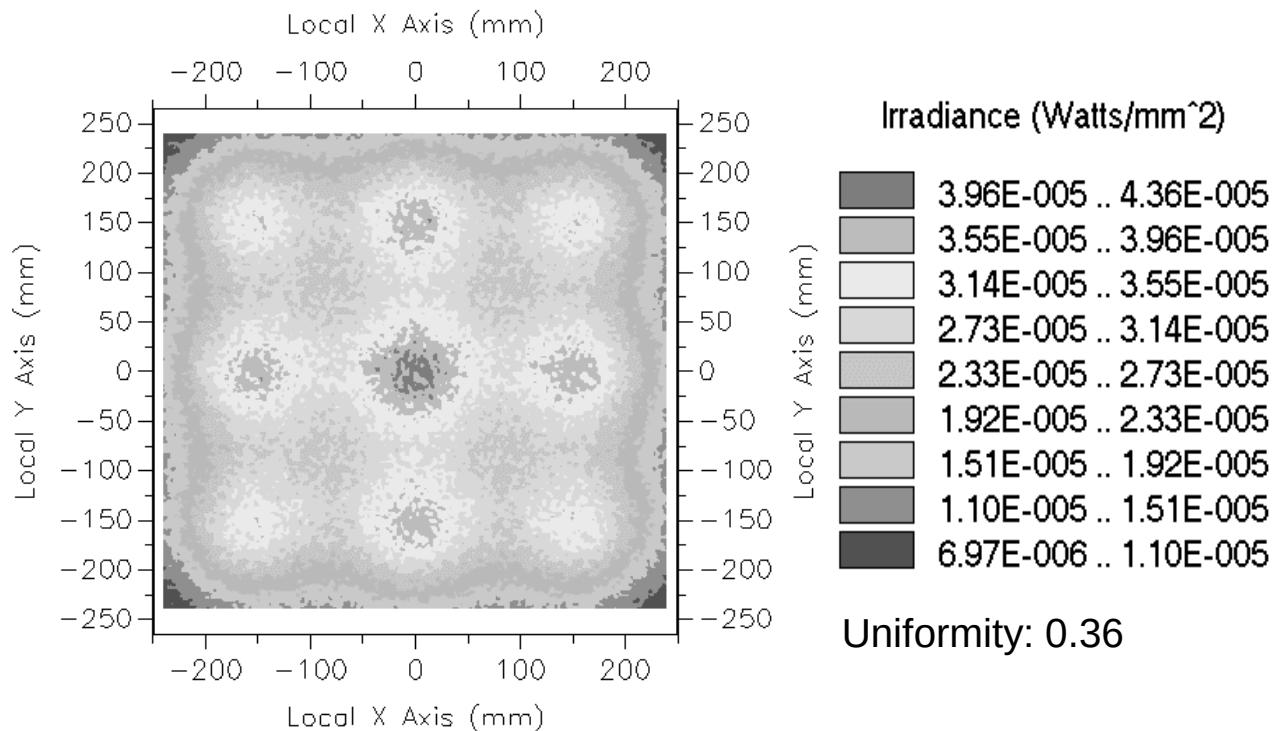


FIG. 10 (continued)

(C) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

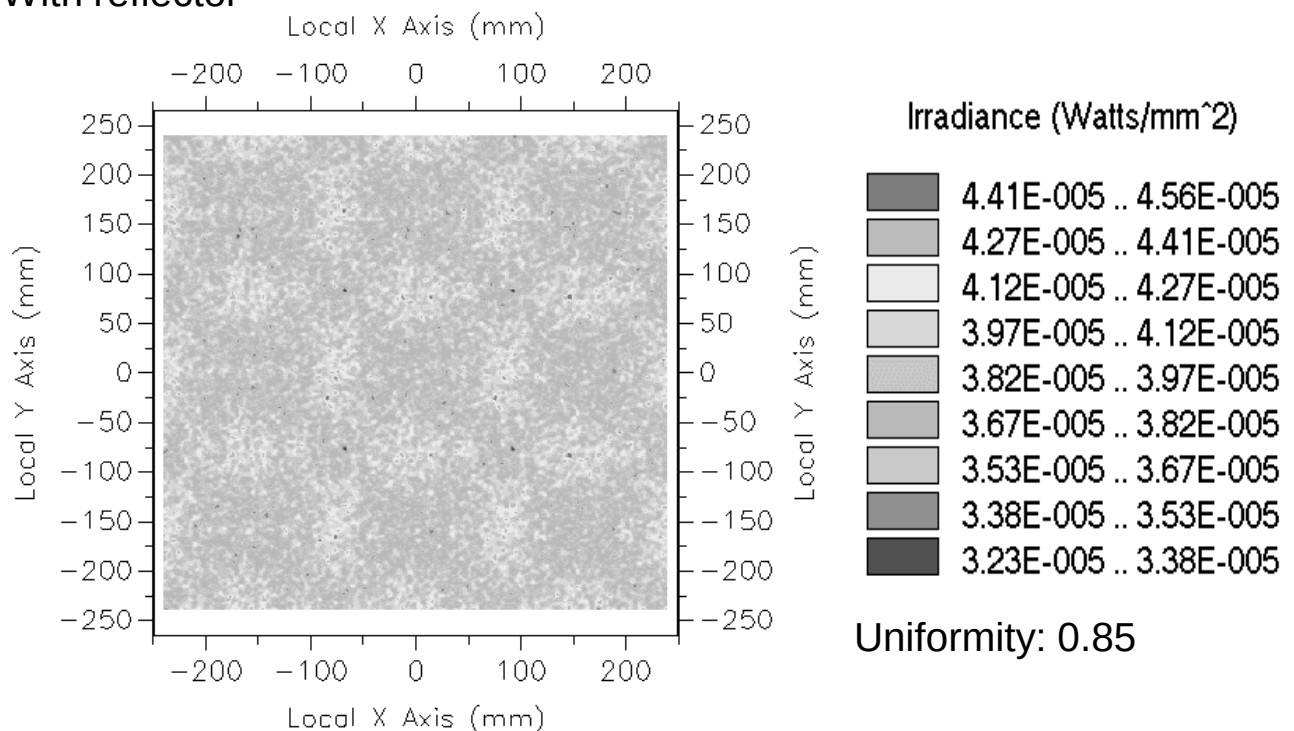
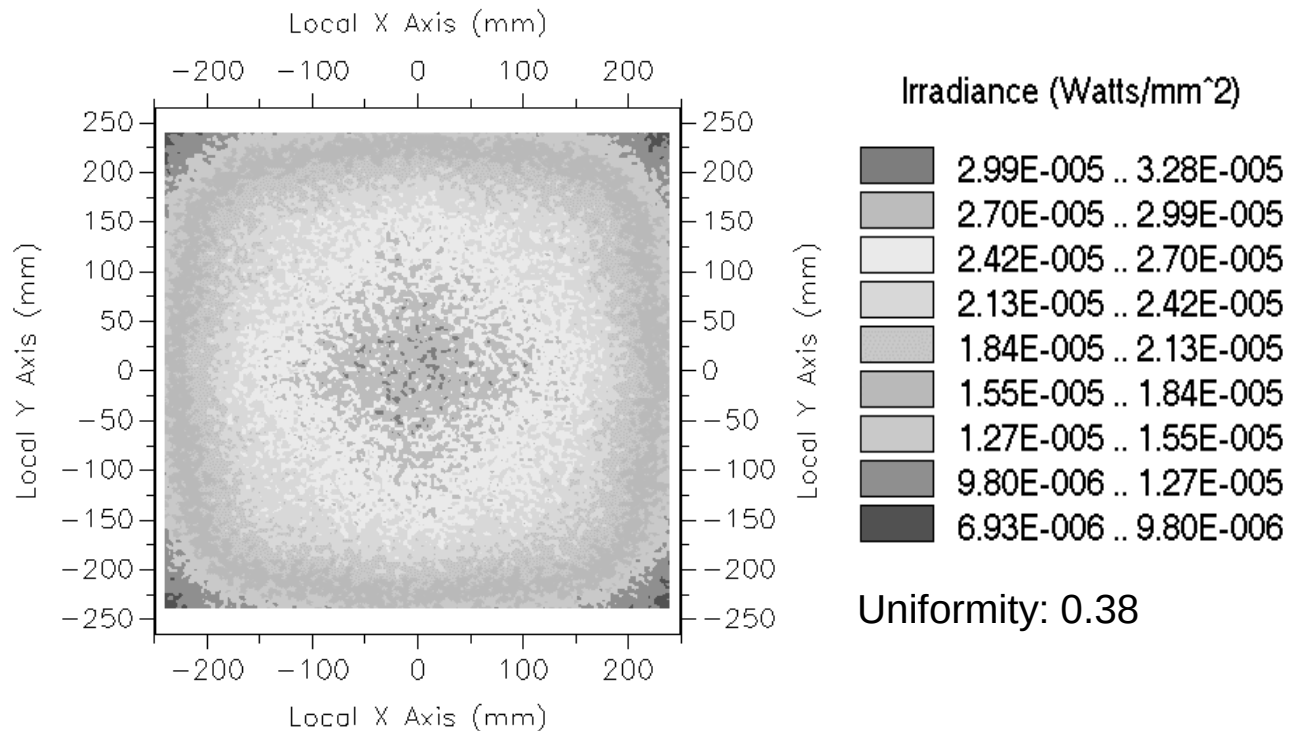


FIG. 10 (continued)

(C) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

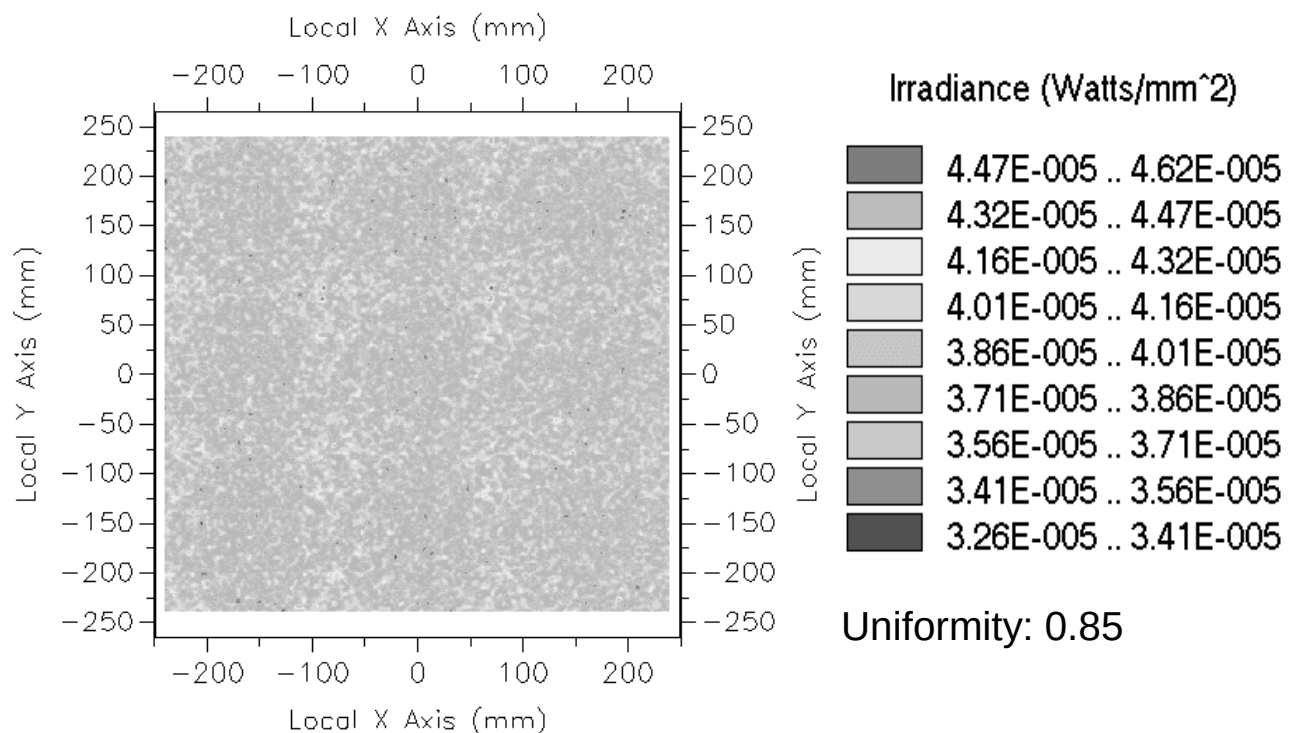
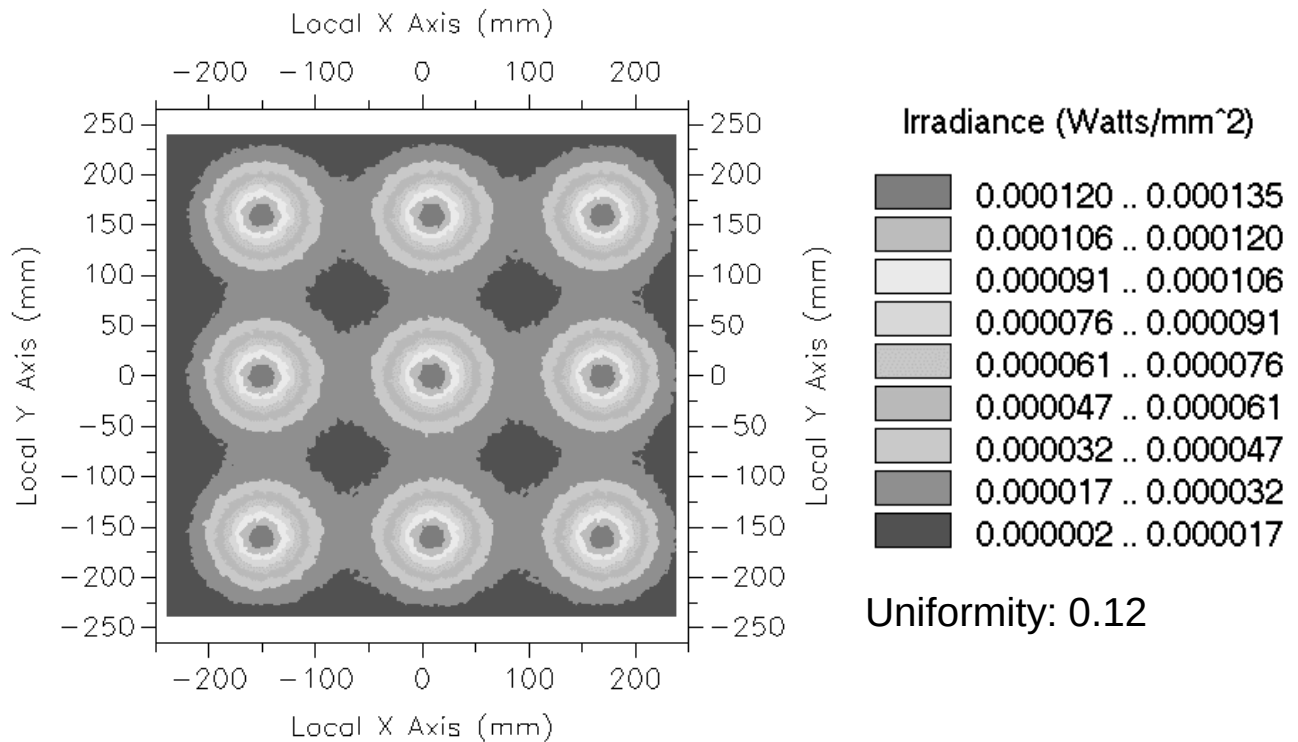


FIG. 10 (continued)

(D) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

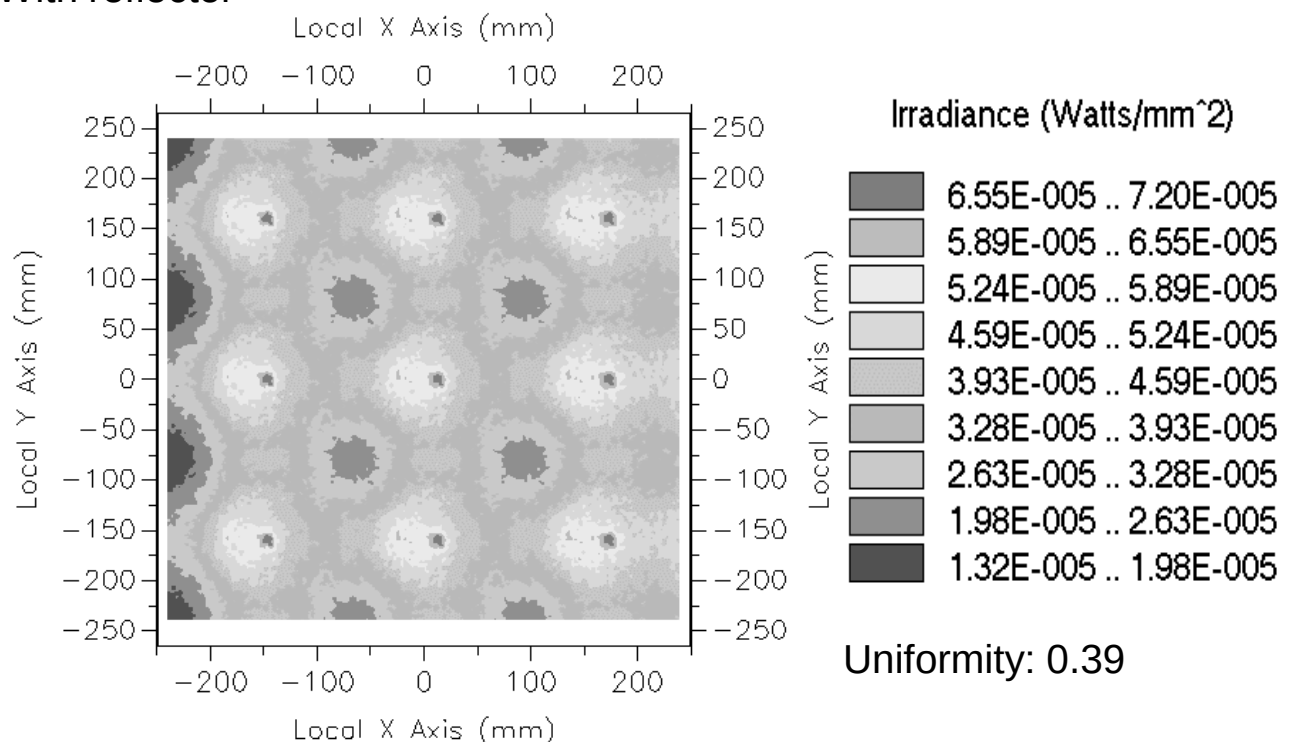
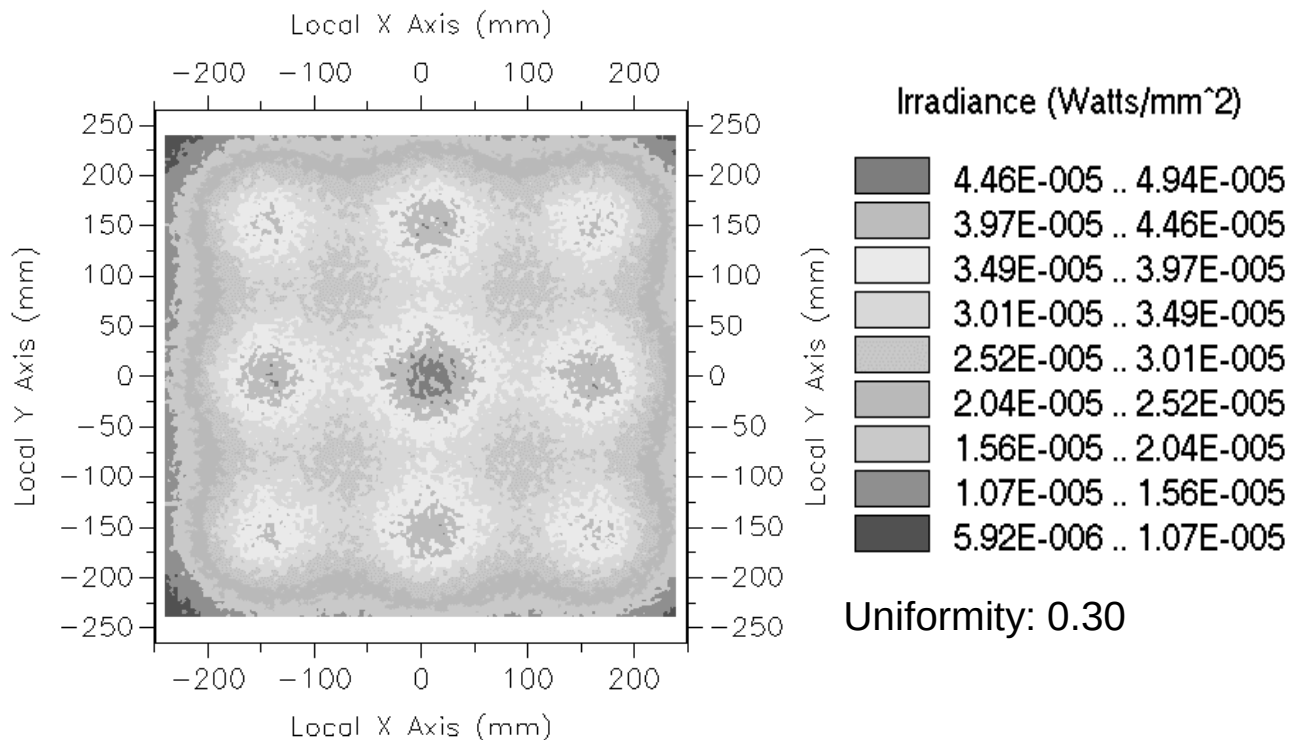


FIG. 10 (continued)

(D) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

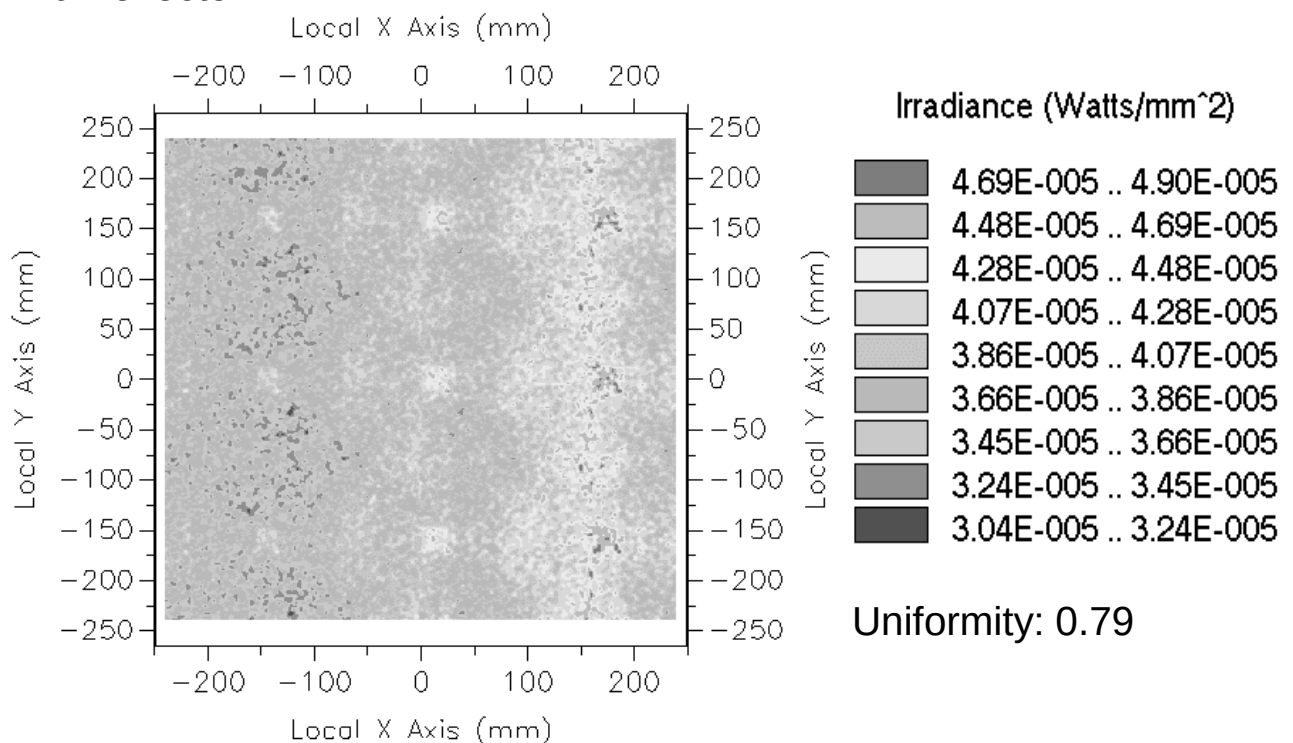
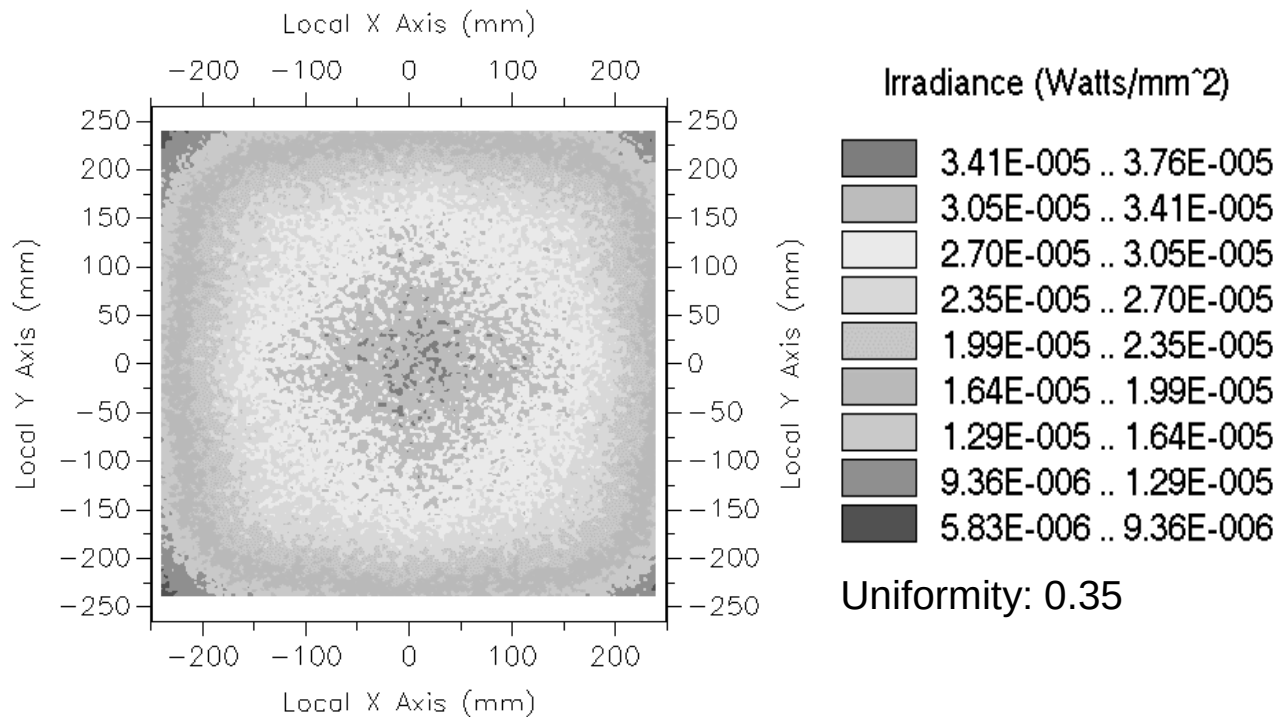


FIG. 10 (continued)

(D) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

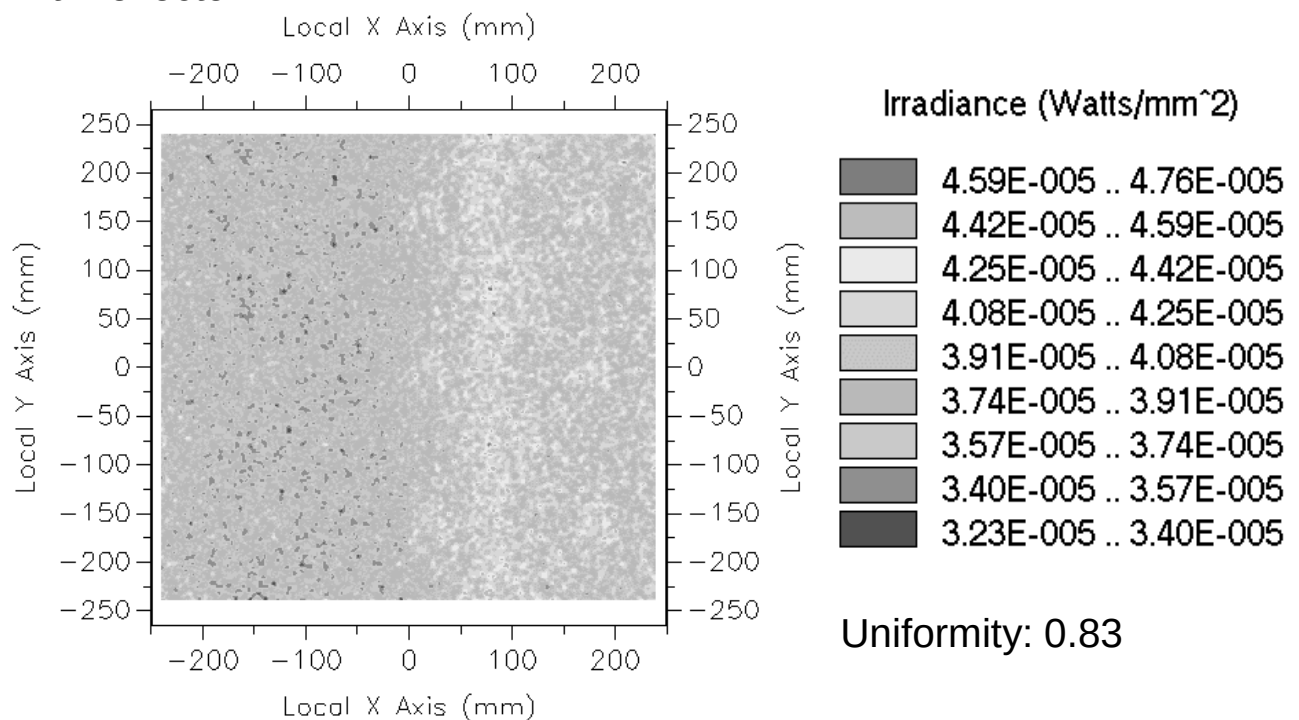
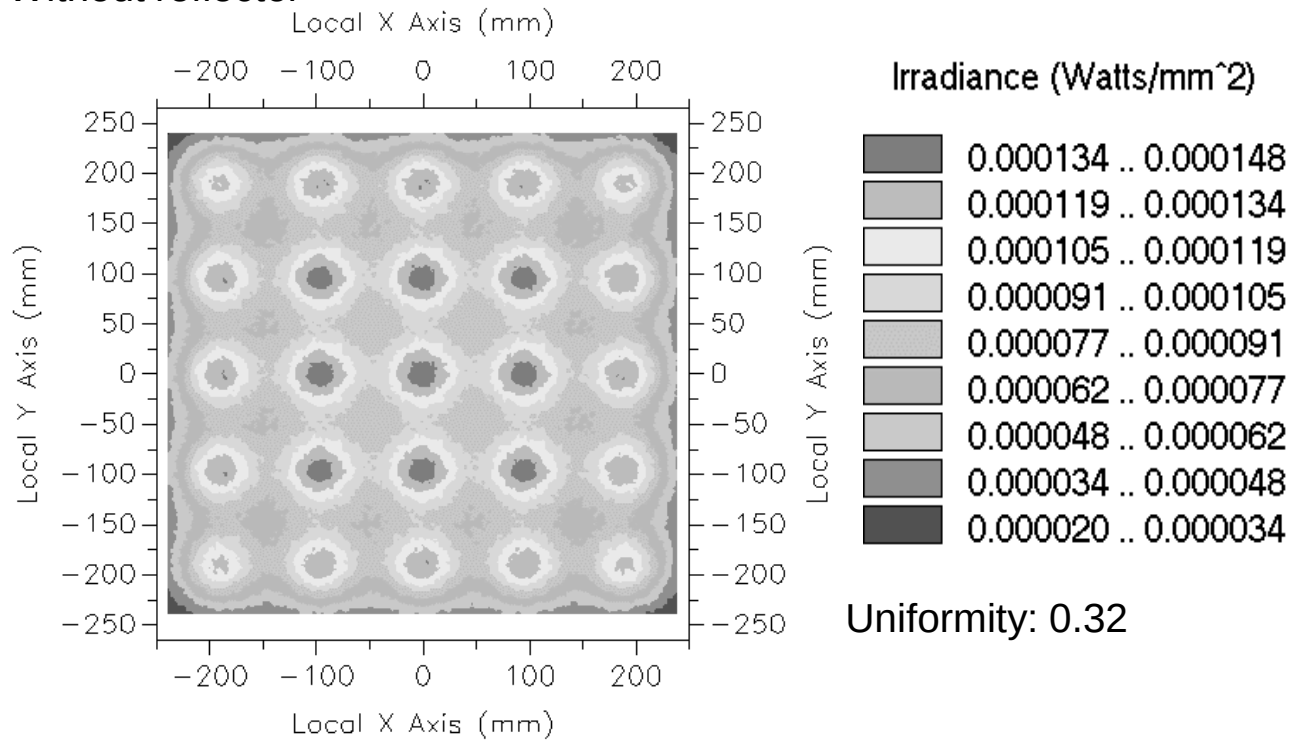


FIG. 10 (continued)

(E) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

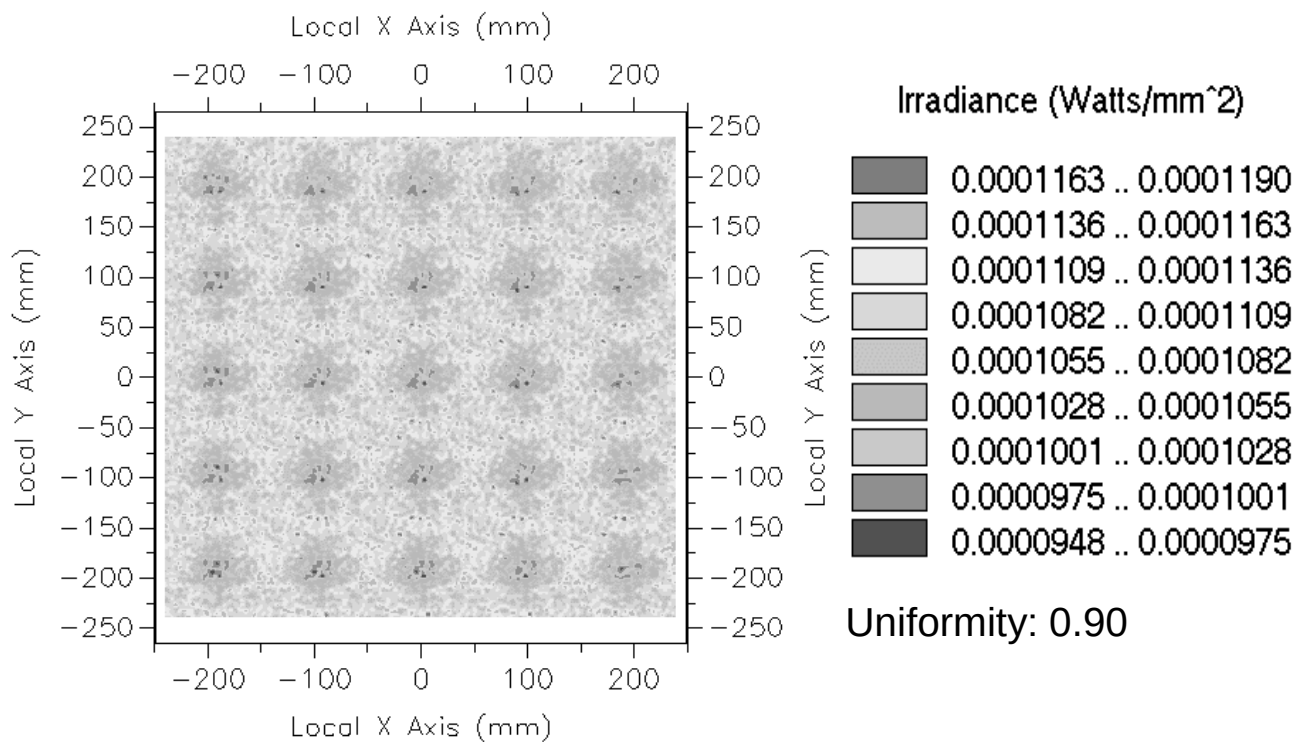
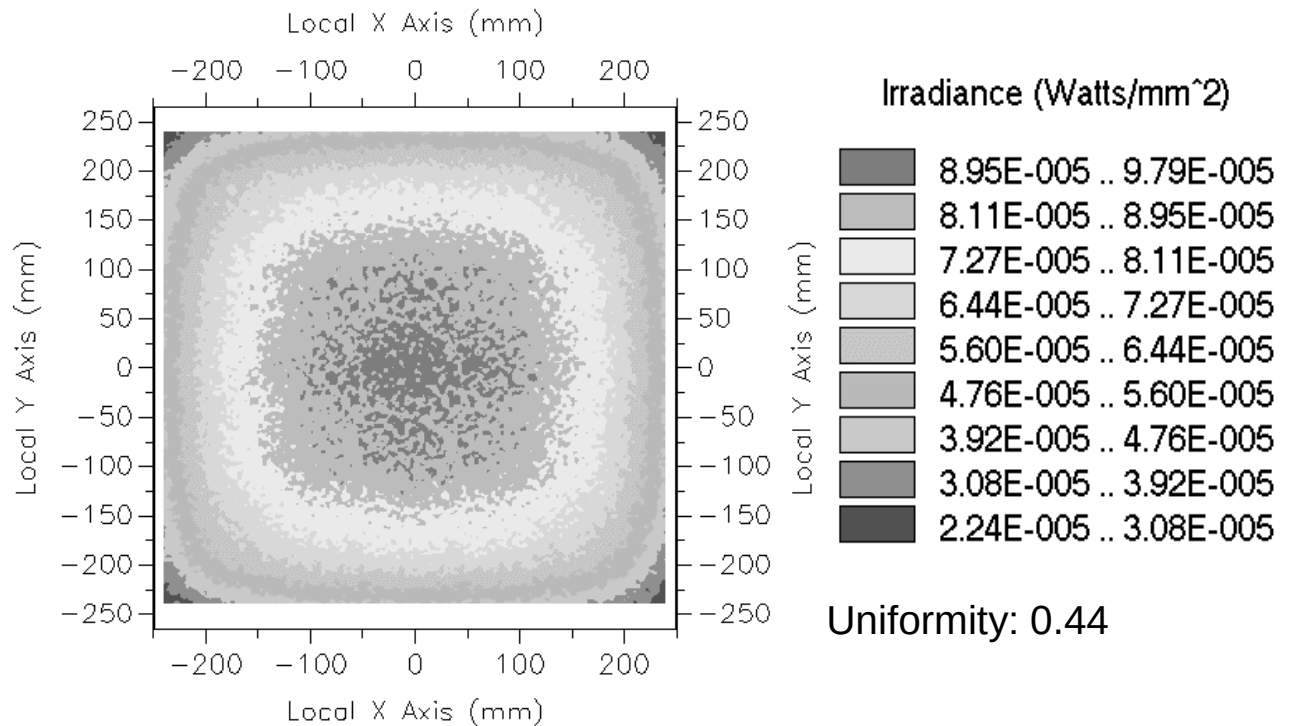


FIG. 10 (continued)

(E) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

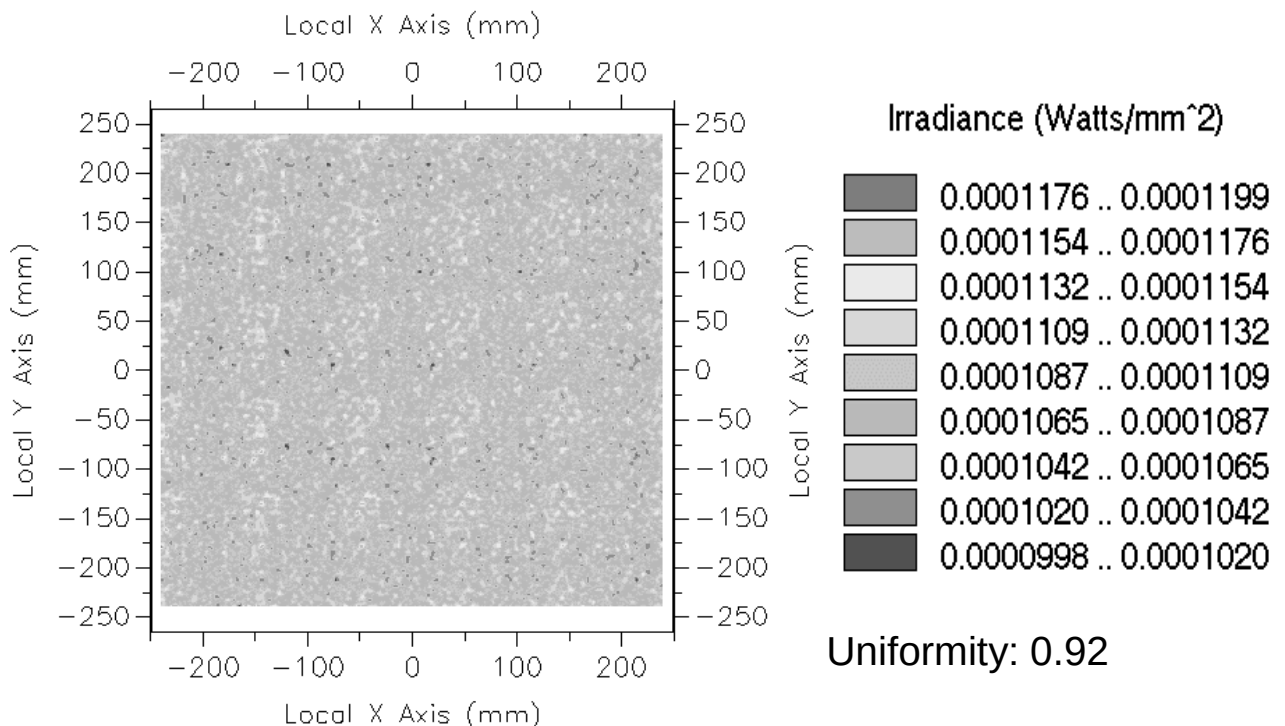
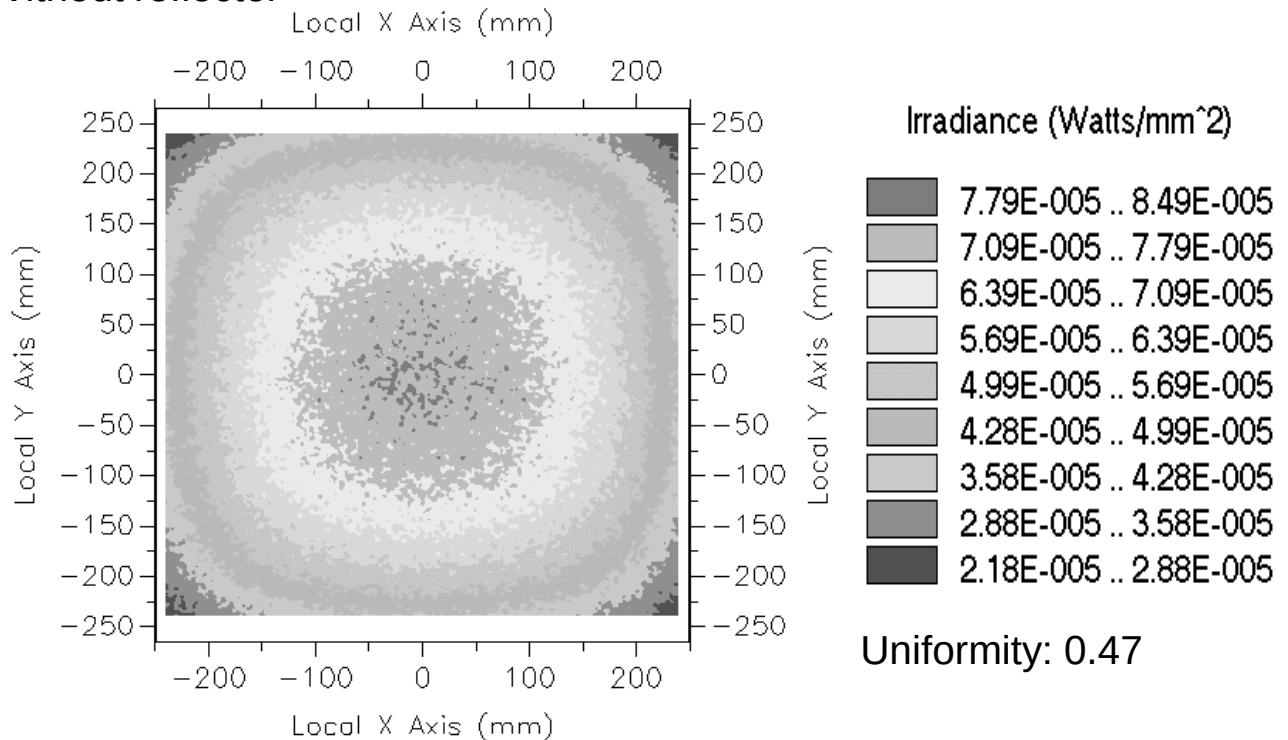


FIG. 10 (continued)

(E) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

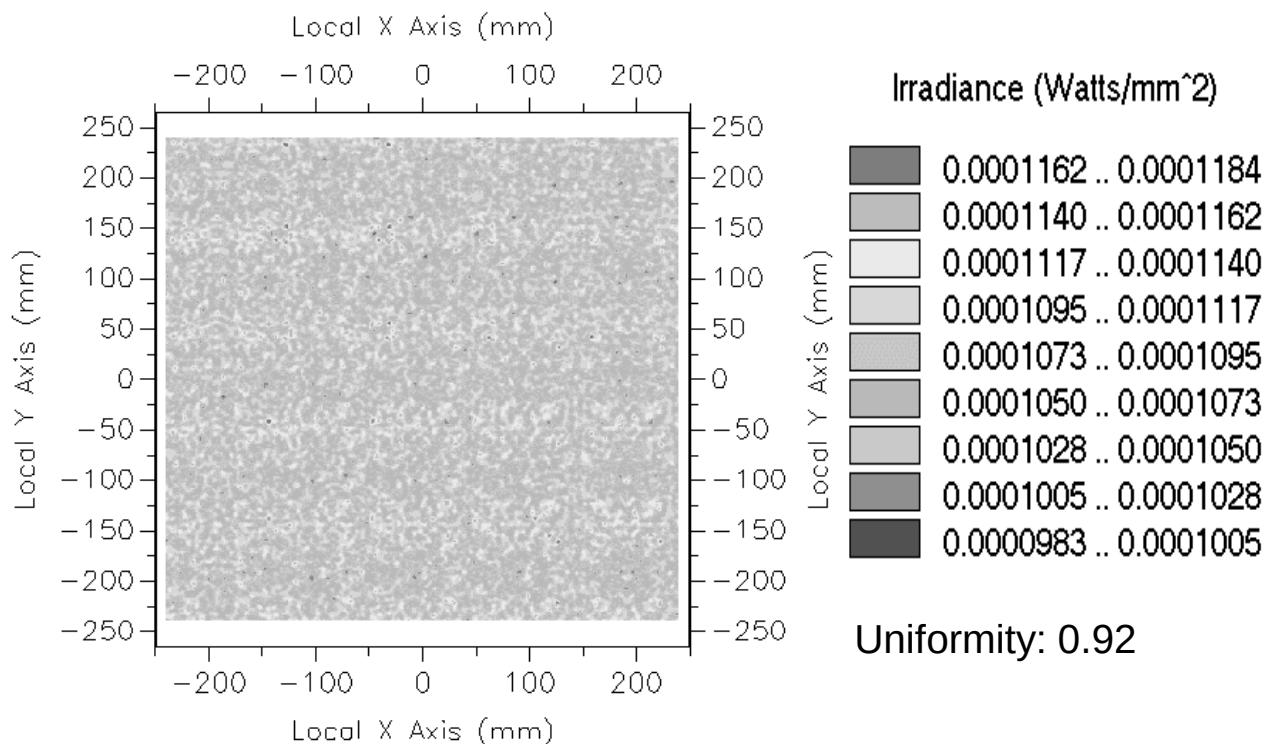
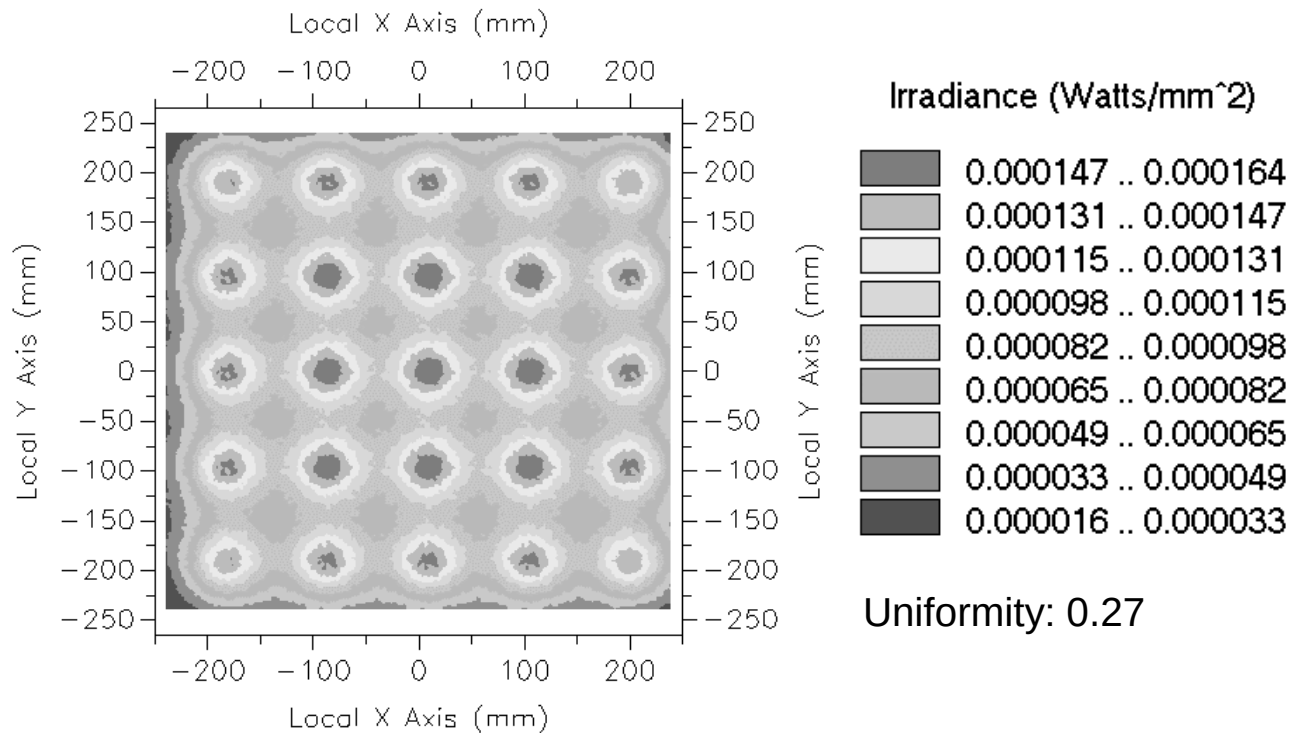


FIG. 10 (continued)

(F) Distance of illumination panel = **5cm** from target

Without reflector



With reflector

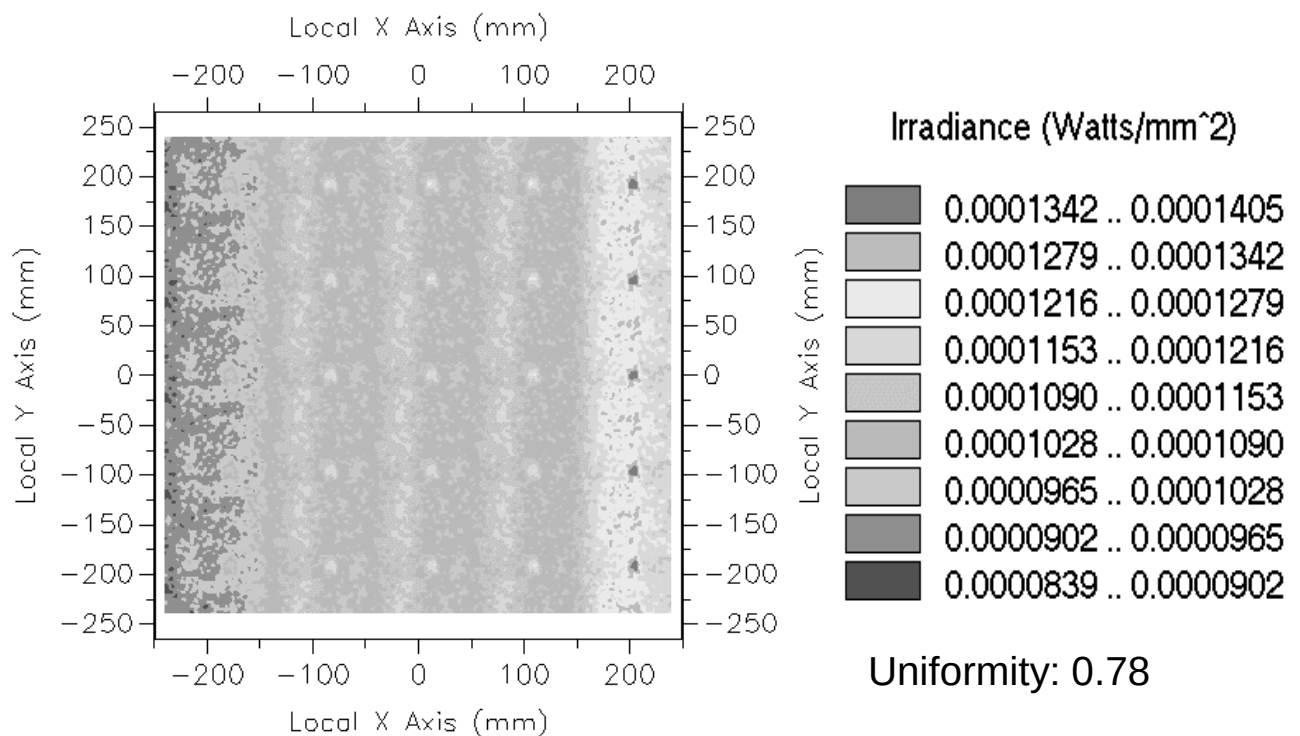
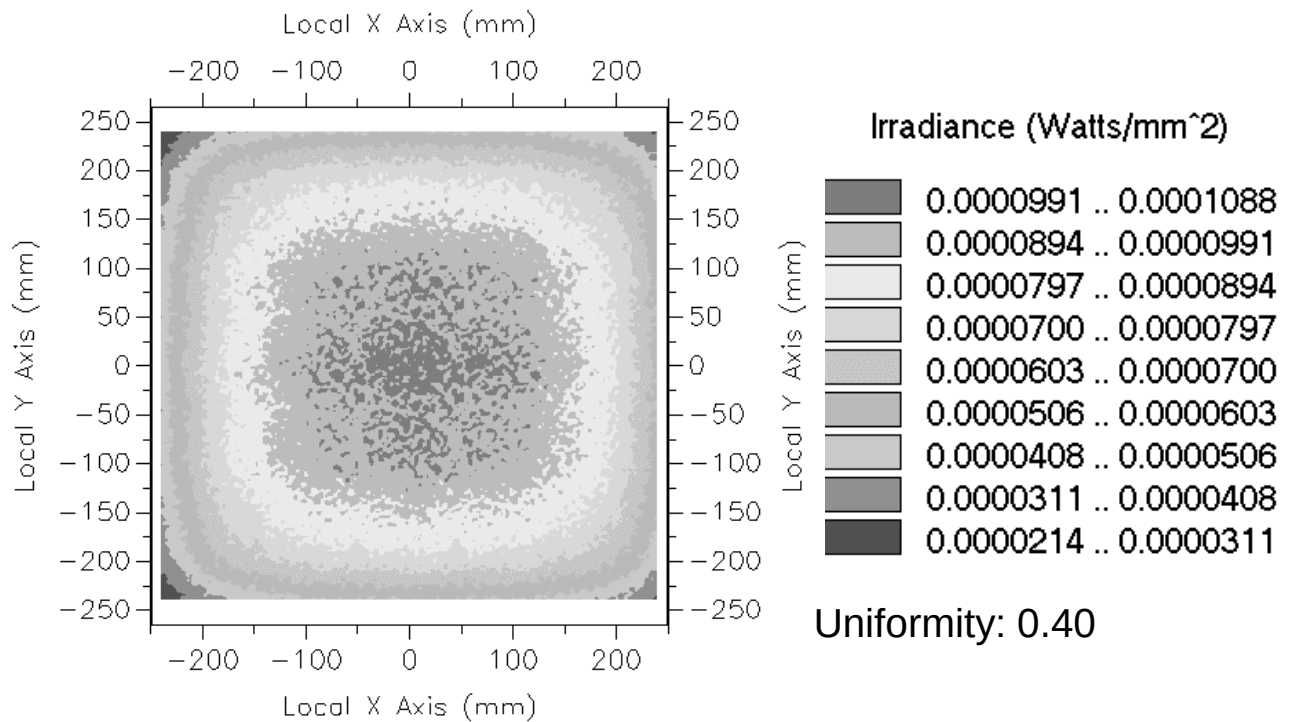


FIG. 10 (continued)

(F) Distance of illumination panel = **10cm** from target

Without reflector



With reflector

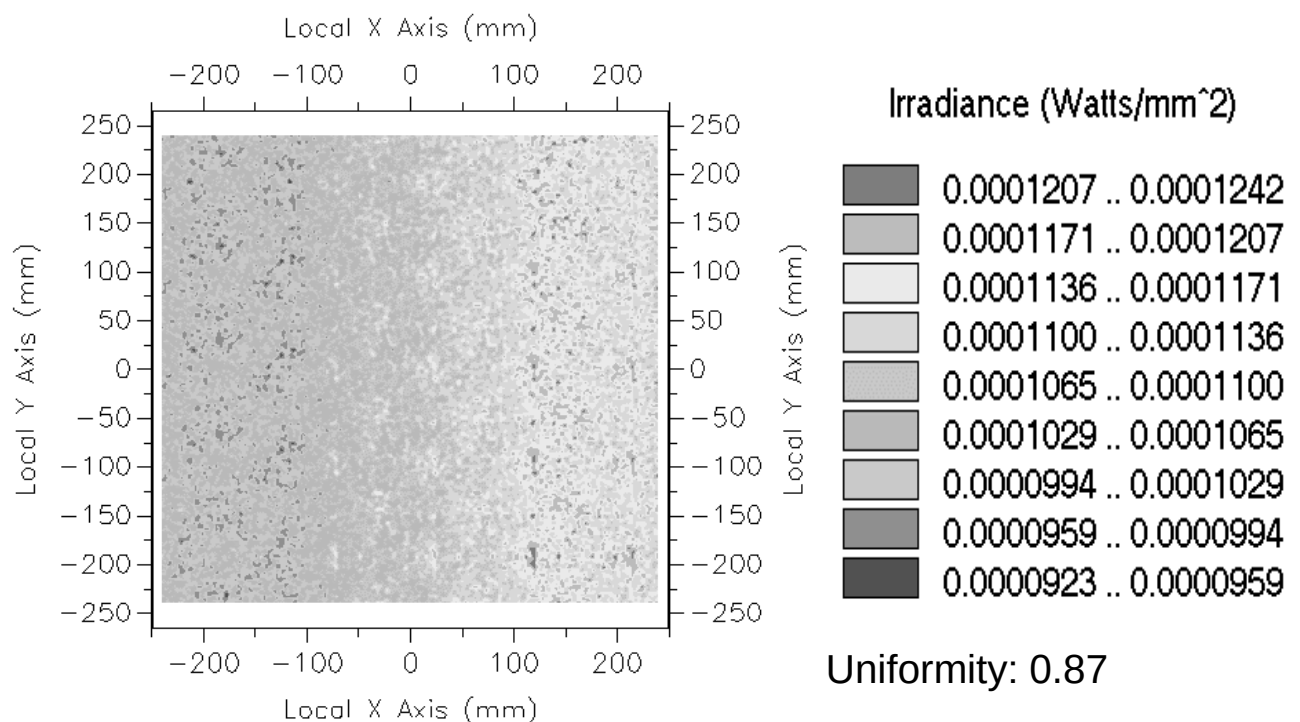
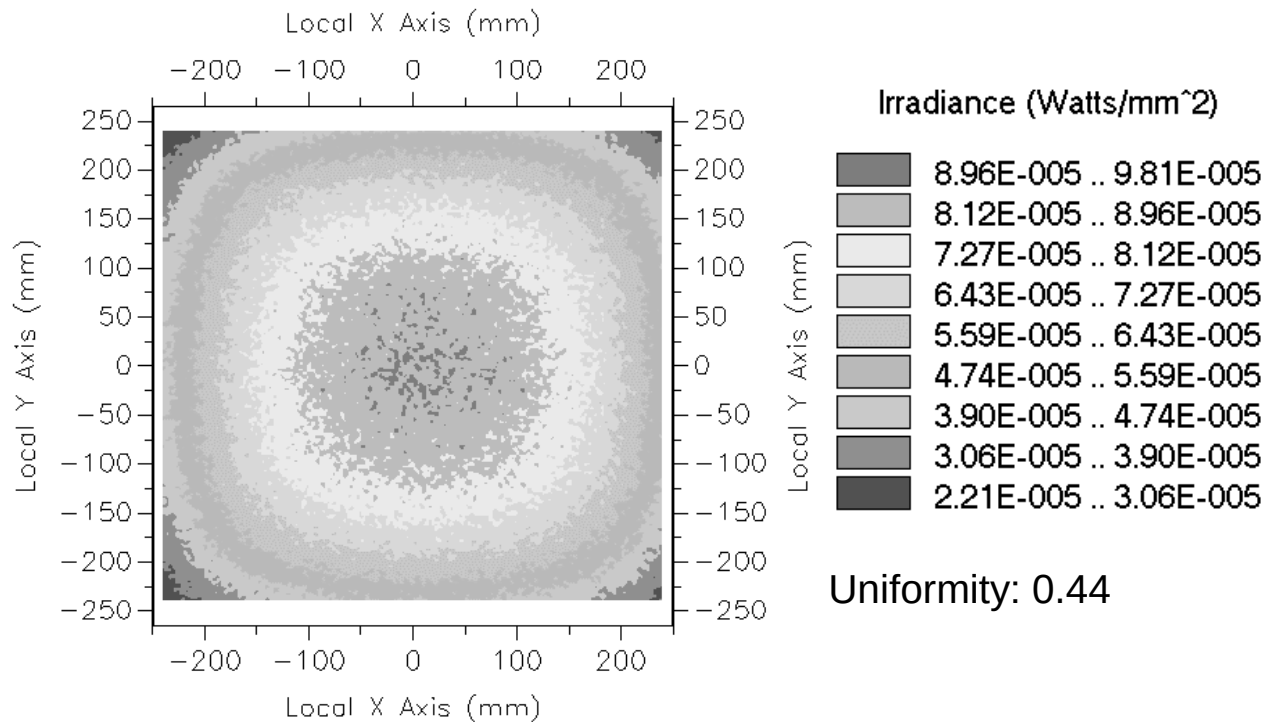


FIG. 10 (continued)

(F) Distance of illumination panel = **15cm** from target

Without reflector



With reflector

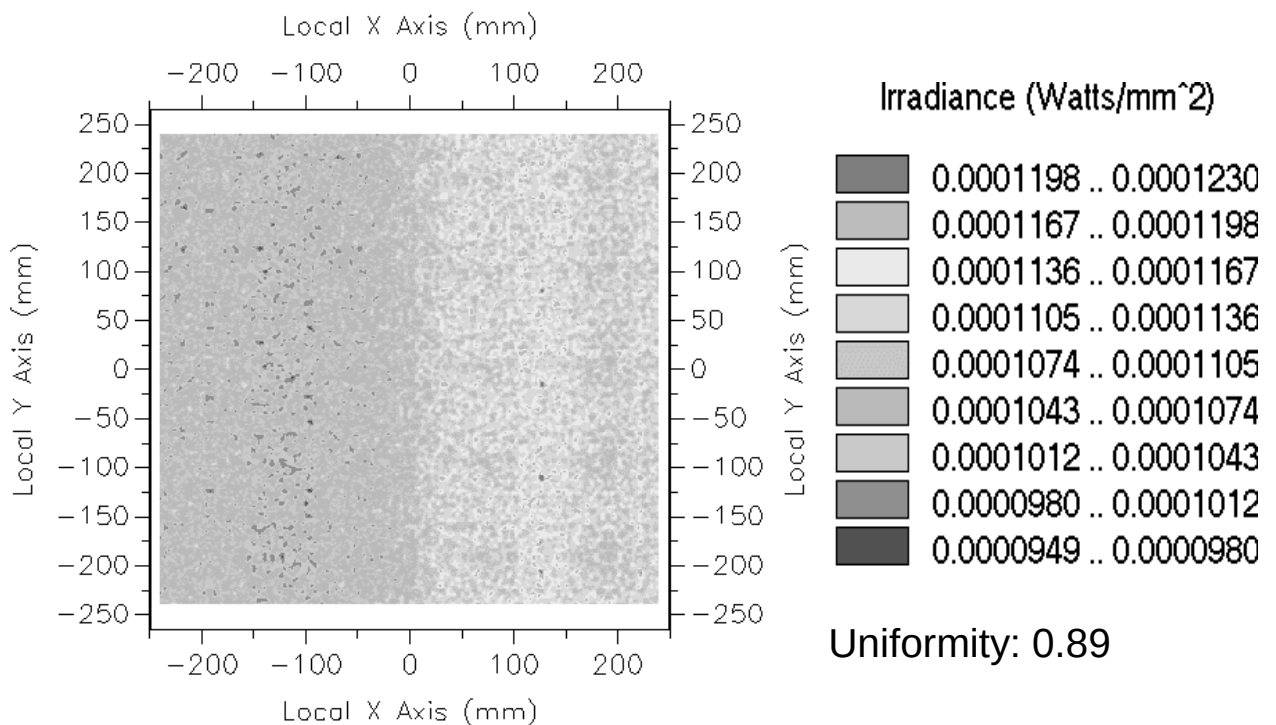


FIG. 10 (continued)

(G)

45/45

Blue and Red Light Uniformity for Different LED Arrays

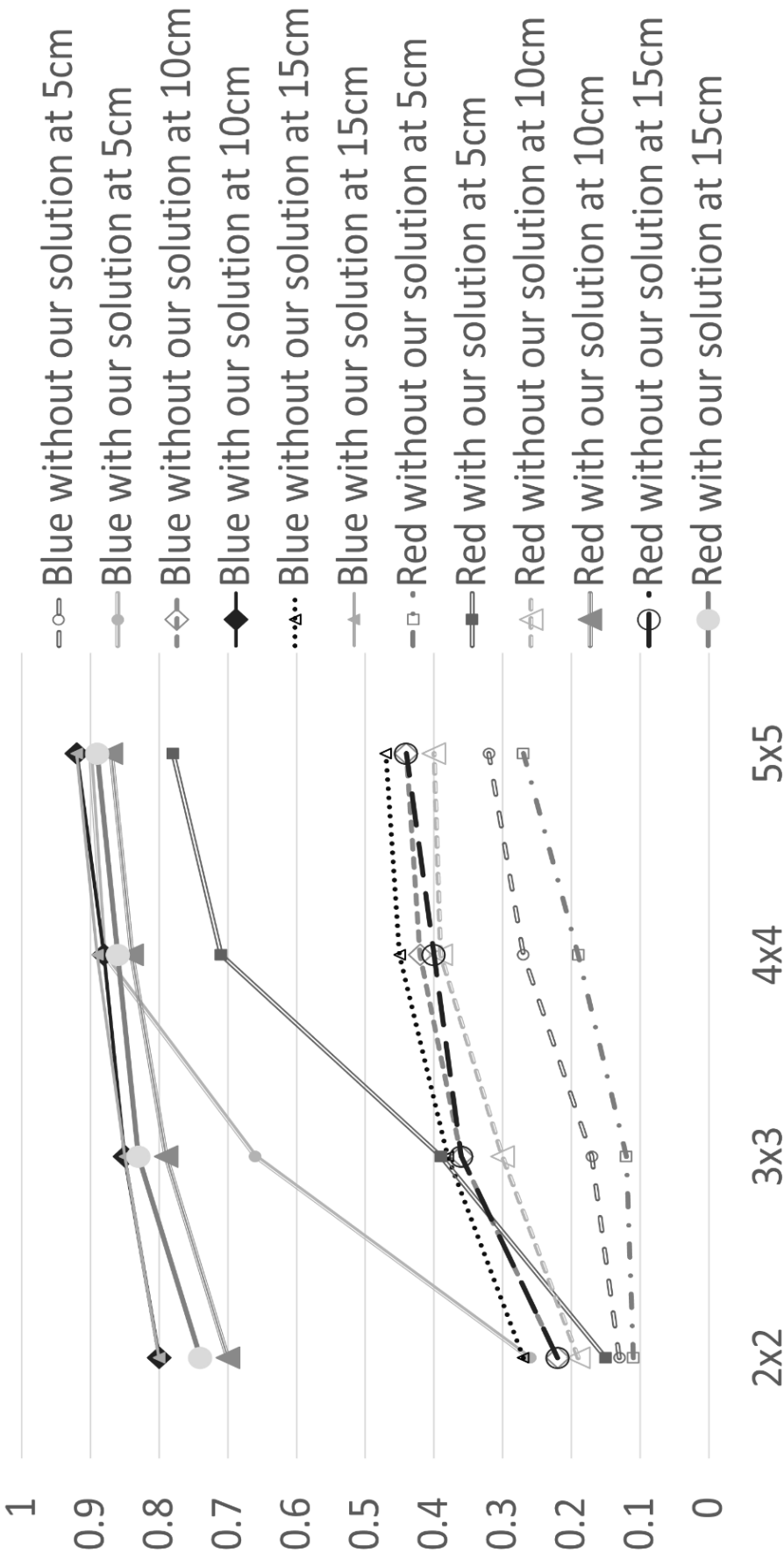


FIG. 10 (continued)