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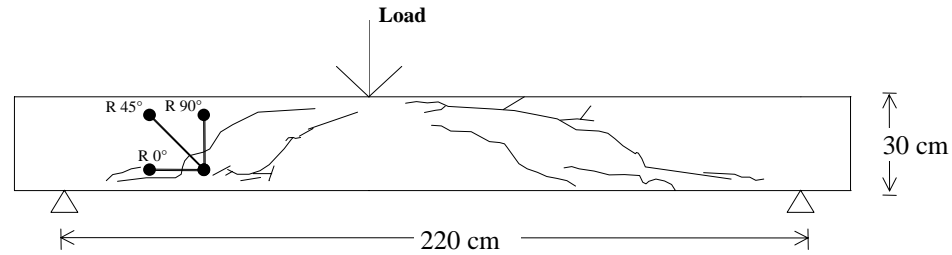
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**ANNEX F**

*Full-Scale Beam Tests Data*

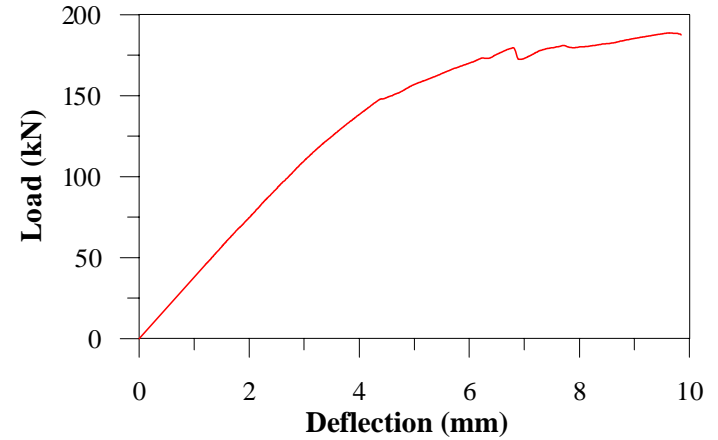
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**Final State of Cracking**

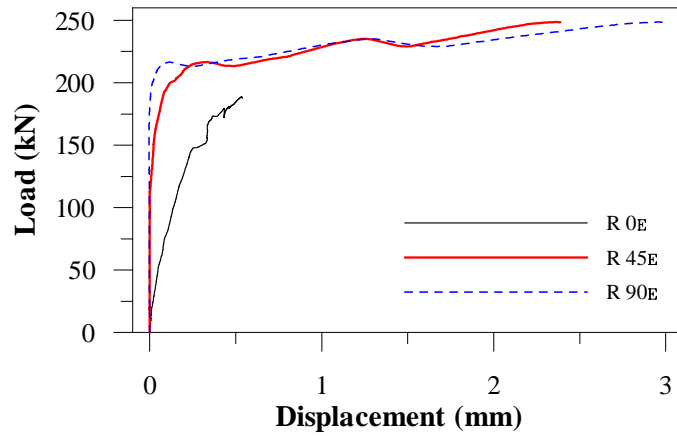


Base lengths of the rosette: R 0° = 25.0 cm  
 R 45° = 27.7 cm  
 R 90° = 25.0 cm

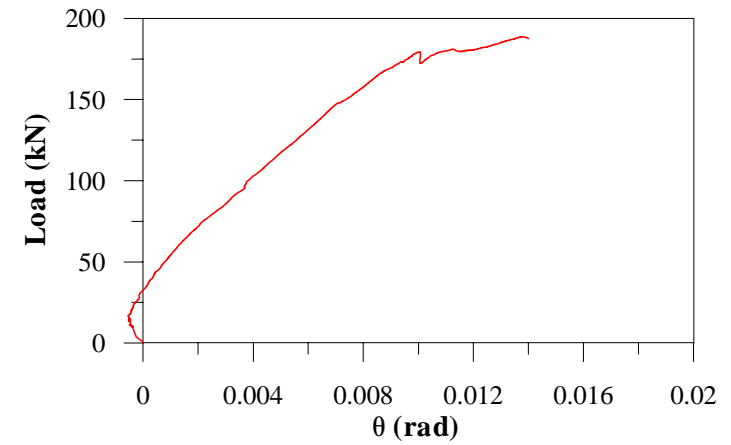
**Load-deflection response**



**Load versus rosette displacements**

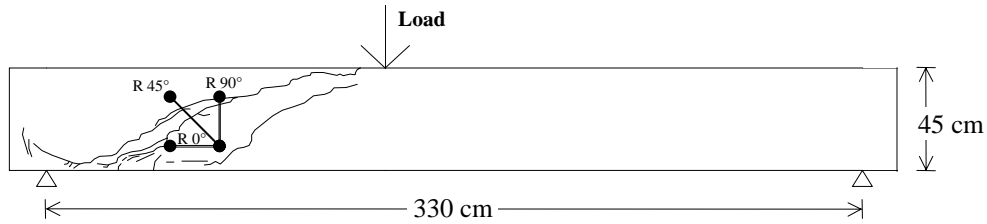


**Load-rotation response**



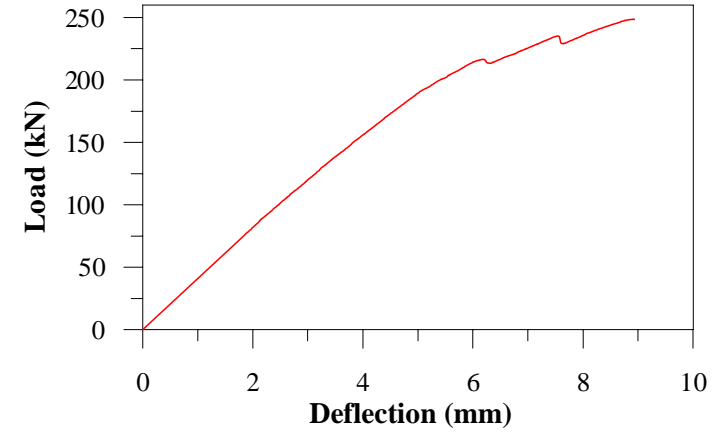
**Figure F.1.** 20×30 SFRC 1

**Final State of Cracking**

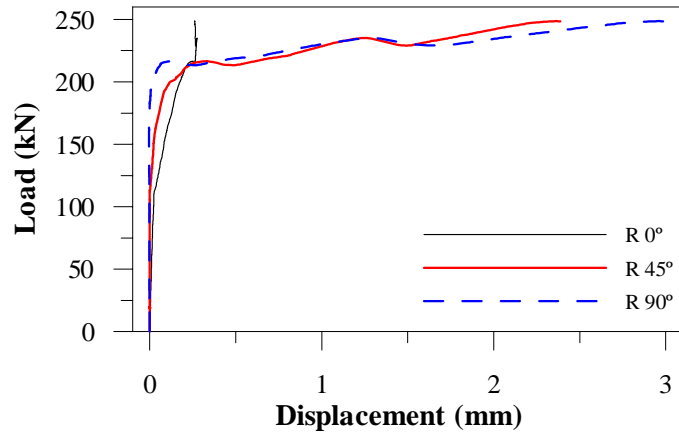


Base lengths of the rosette: R 0° = 25.1 cm  
 R 45° = 28.4 cm  
 R 90° = 25.2 cm

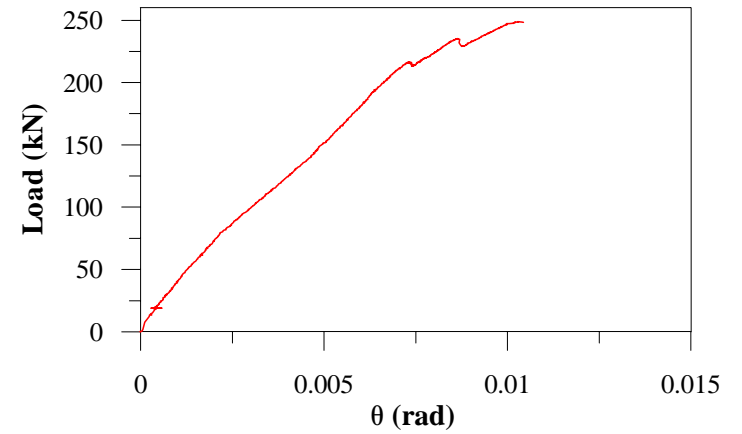
**Load-deflection response**



**Load versus rosette displacements**

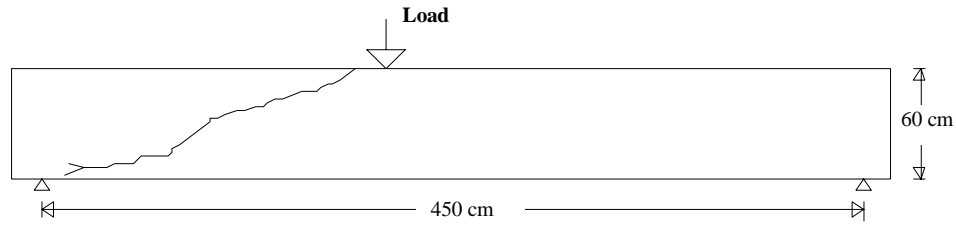


**Load-rotation response**

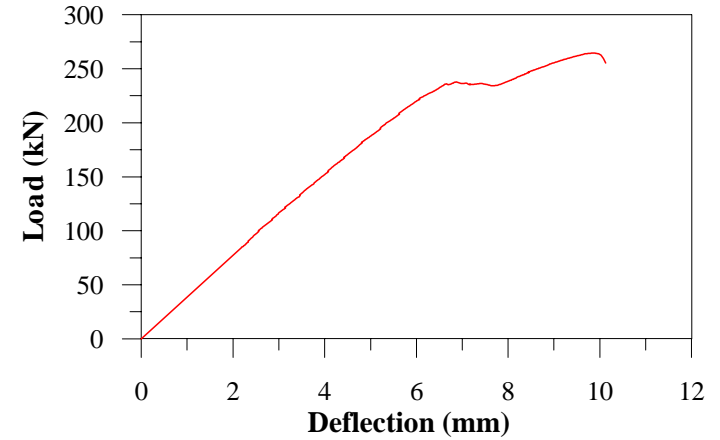


**Figure F.2.** 20×45 SFRC 1

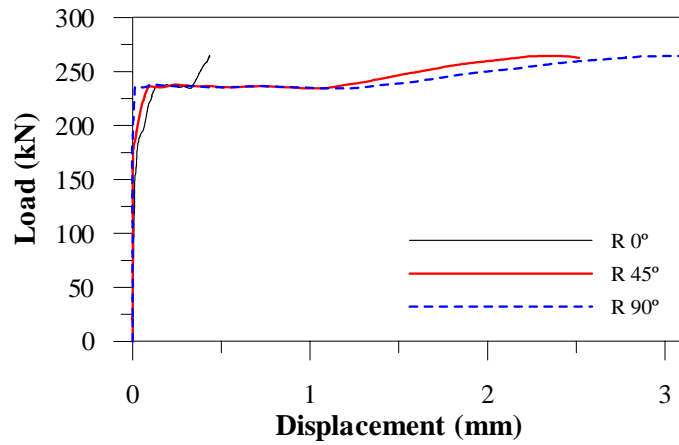
**Final State of Cracking**



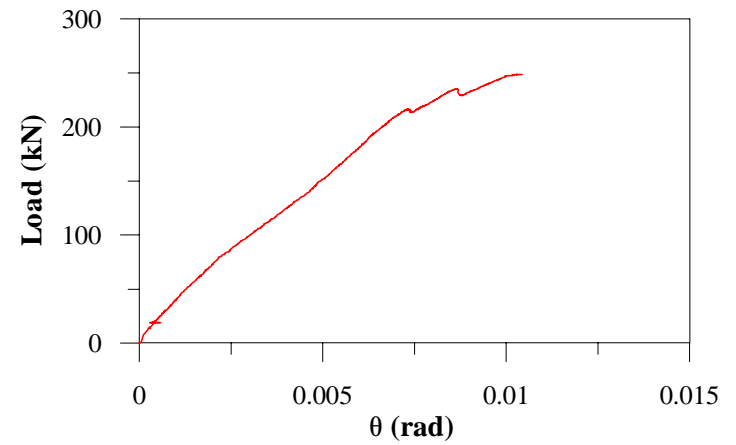
**Load-deflection response**



**Load versus rosette displacements**

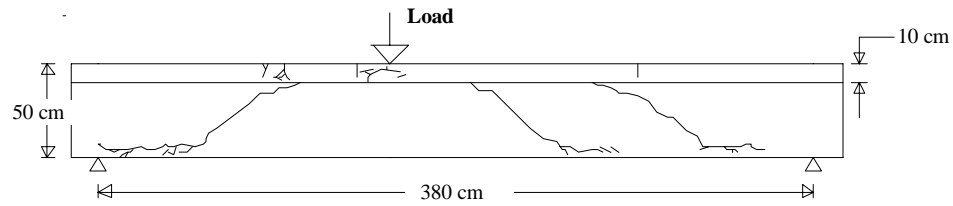


**Load-rotation response**

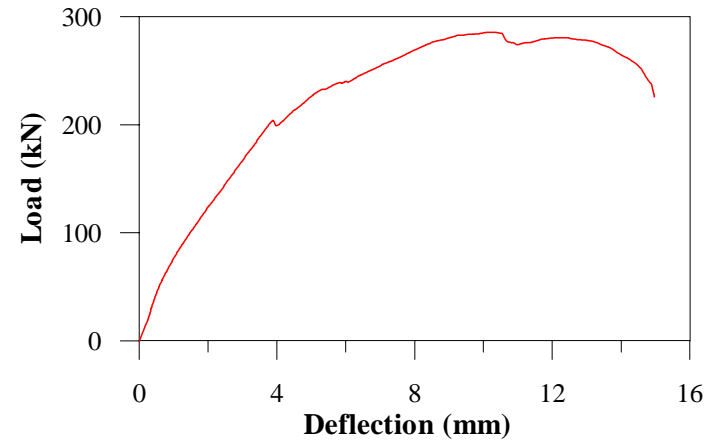


**Figure F.3.** 20×60 SFRC 1

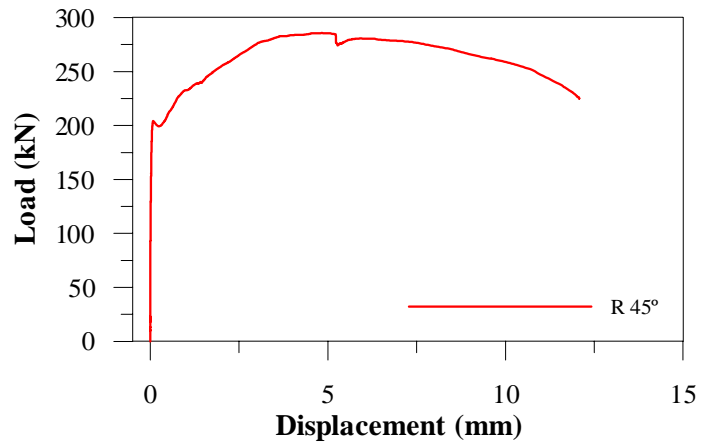
**Final State of Cracking**



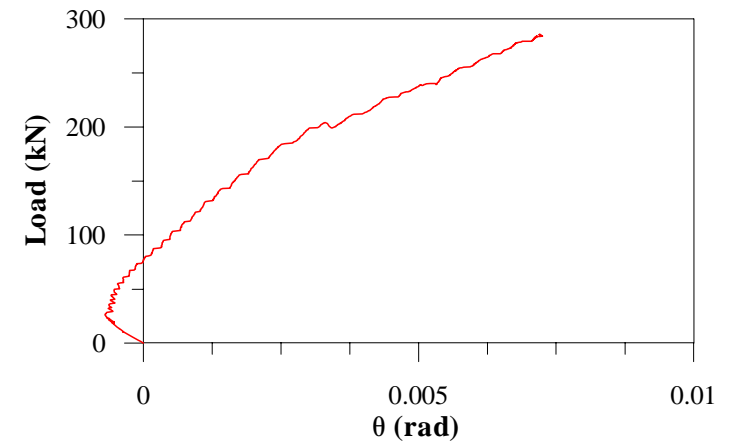
**Load-deflection response**



**Load versus rosette displacements**

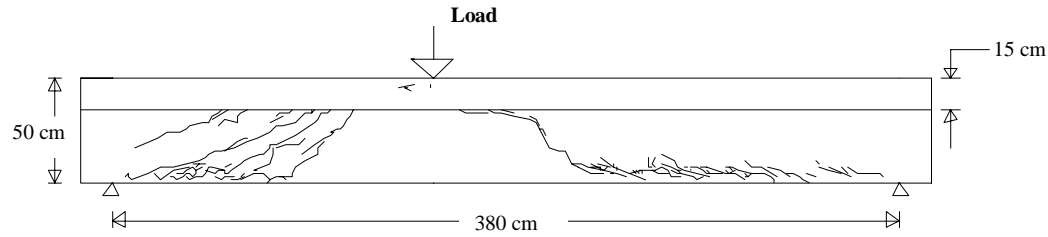


**Load-rotation response**

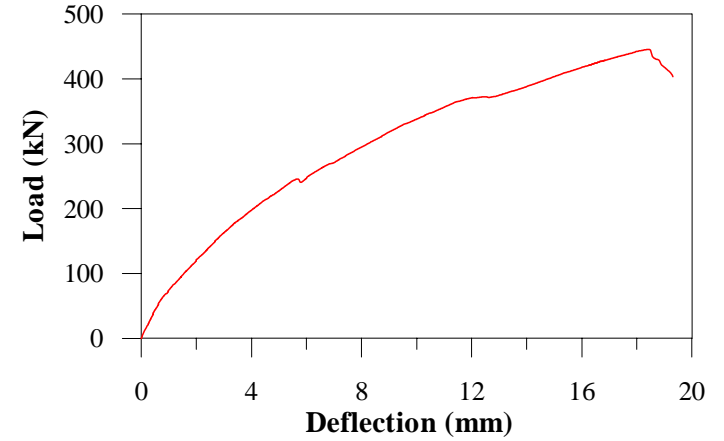


**Figure F.4. T10×50 SFRC 1**

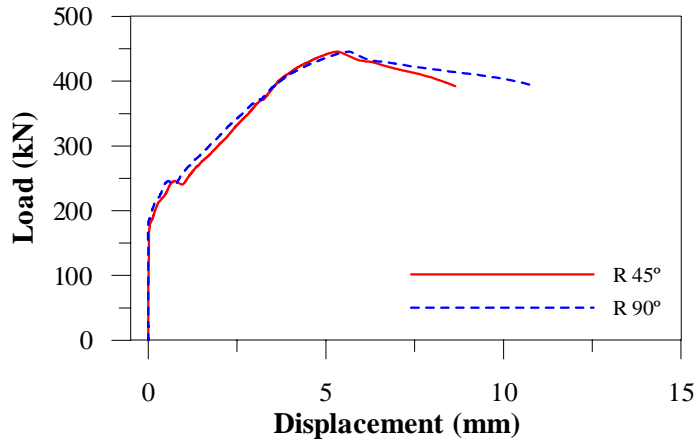
**Final State of Cracking**



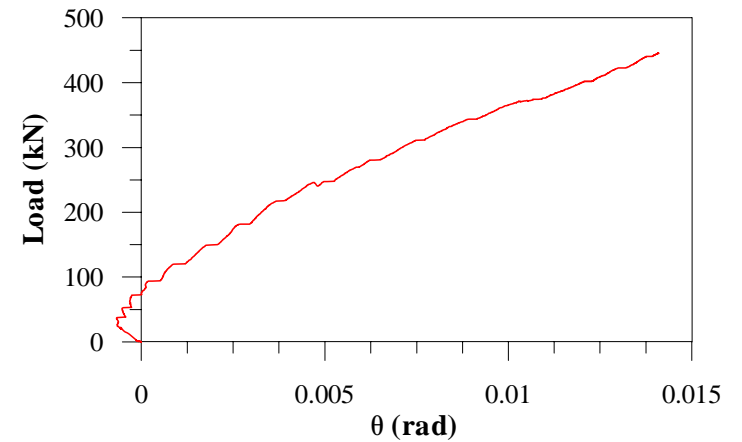
**Load-deflection response**



**Load versus rosette displacements**

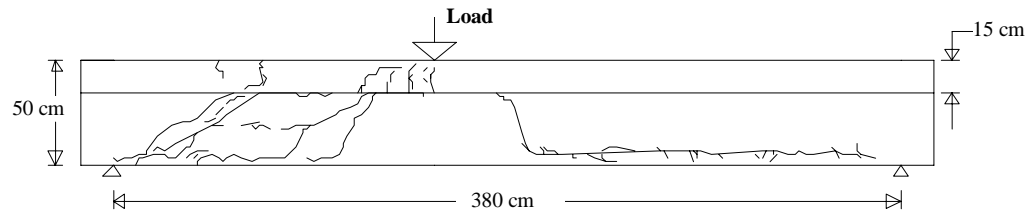


**Load-rotation response**

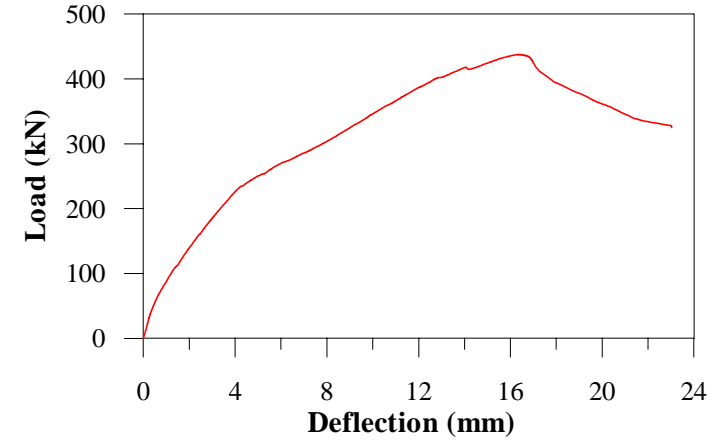


**Figure F.5. T15×50 SFRC 1**

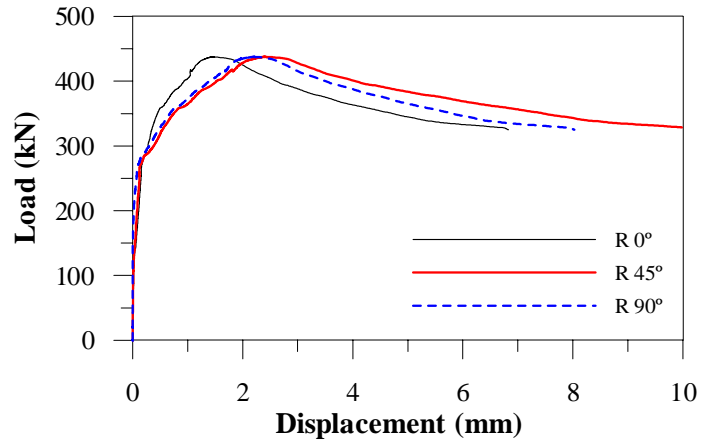
**Final State of Cracking**



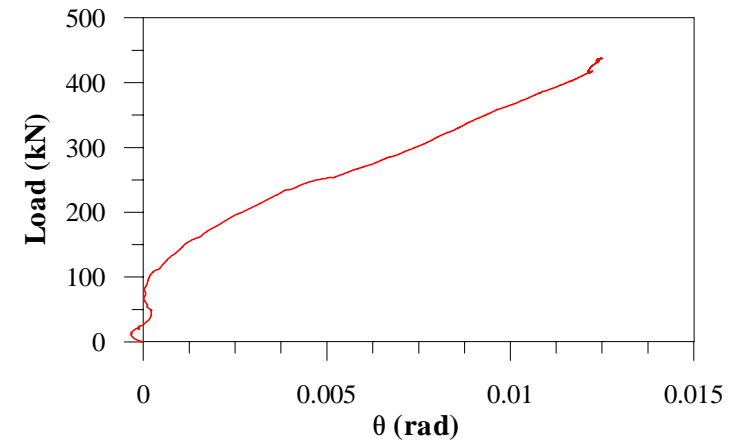
**Load-deflection response**



**Load versus rosette displacements**

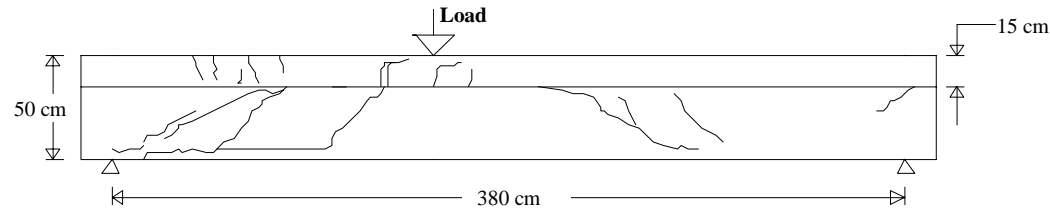


**Load-rotation response**

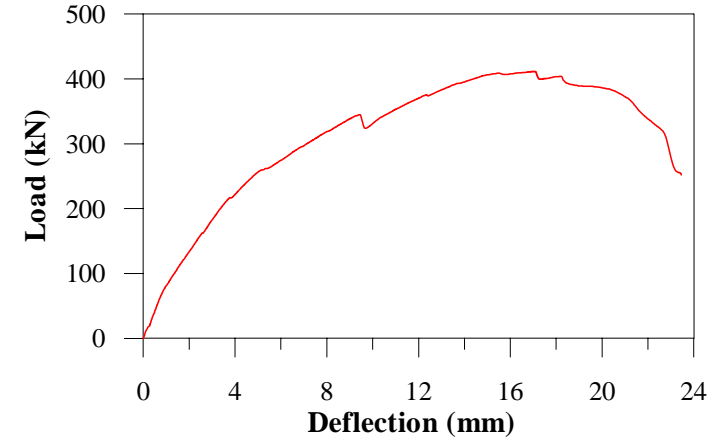


**Figure F.6. T15×75 SFRC 1**

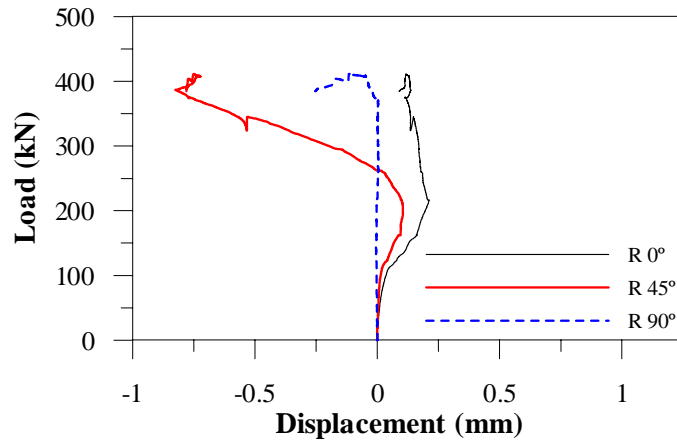
**Final State of Cracking**



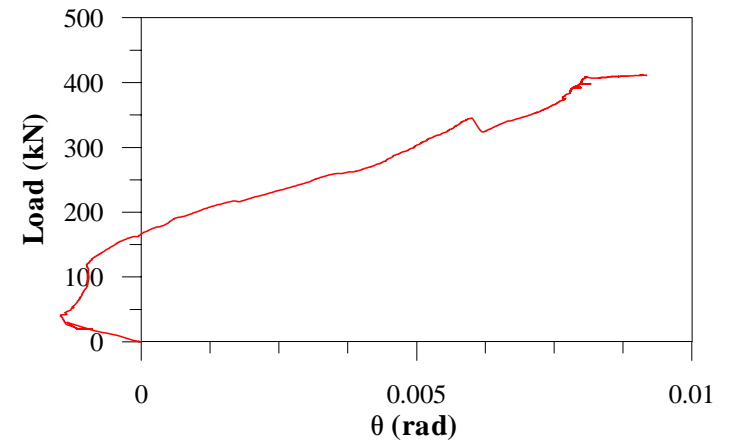
**Load-deflection response**



**Load versus rosette displacements**



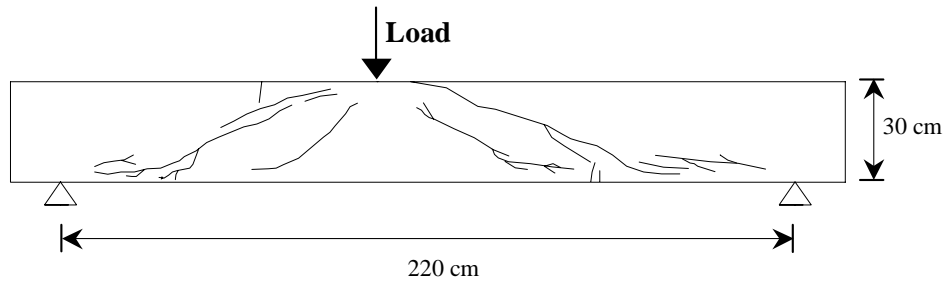
**Load-rotation response**



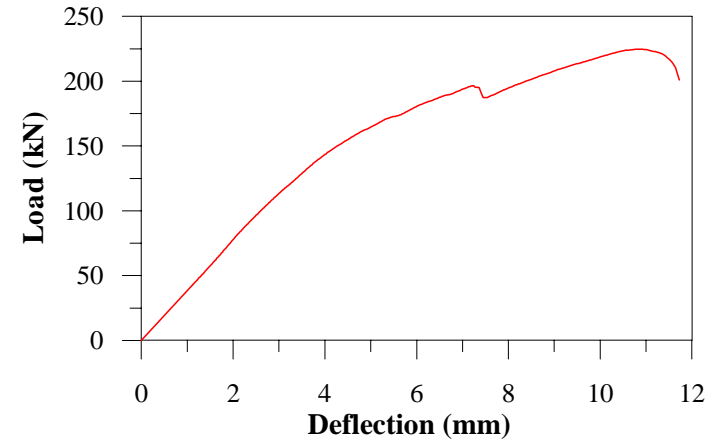
**Figure F.7.** T15×100 SFRC 1



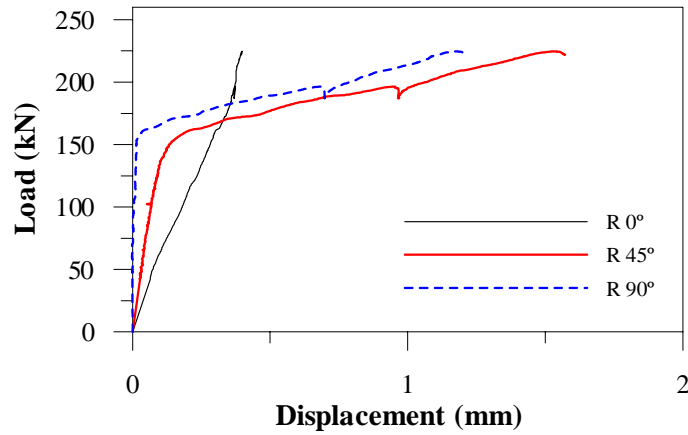
**Final State of Cracking**



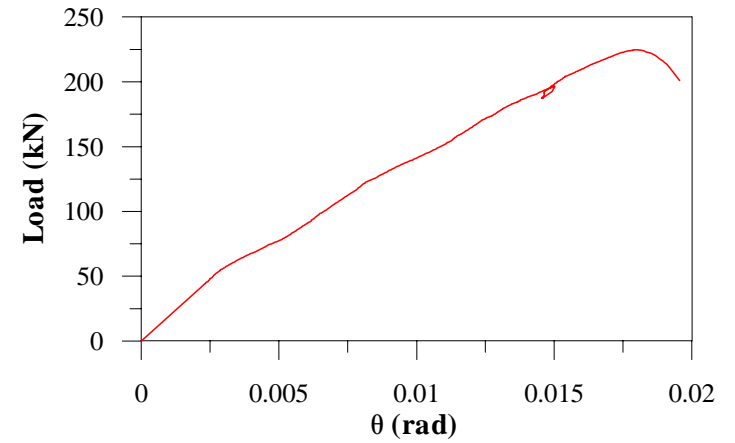
**Load-deflection response**



**Load versus rosette displacements**

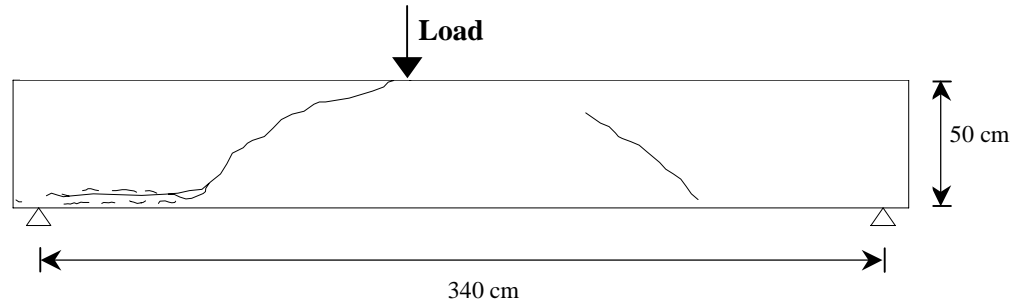


**Load-rotation response**

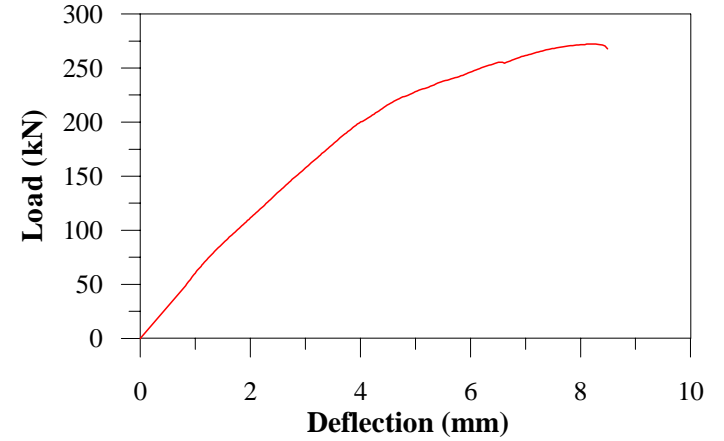


**Figure F.8.** 20×30 SFRC 2

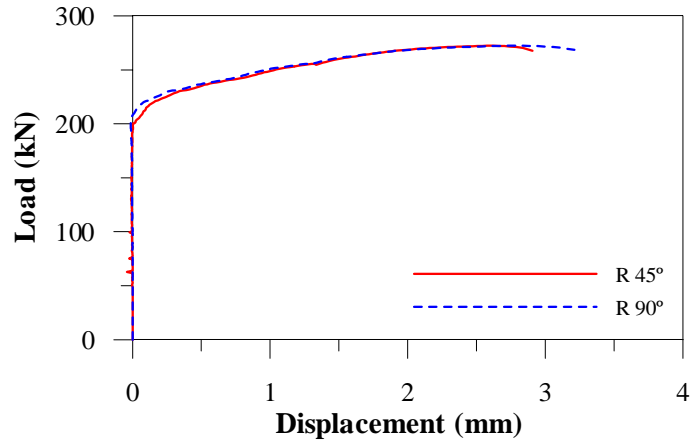
**Final State of Cracking**



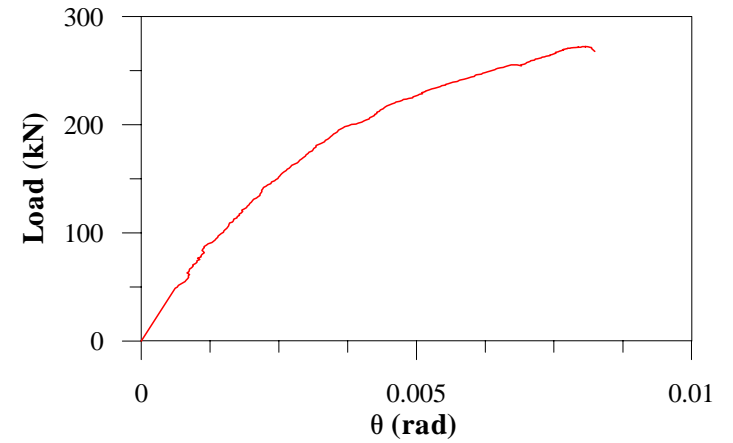
**Load-deflection response**



**Load versus rosette displacements**

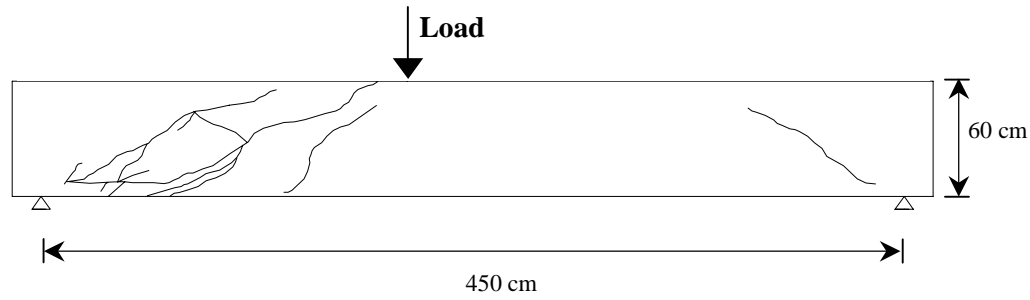


**Load-rotation response**

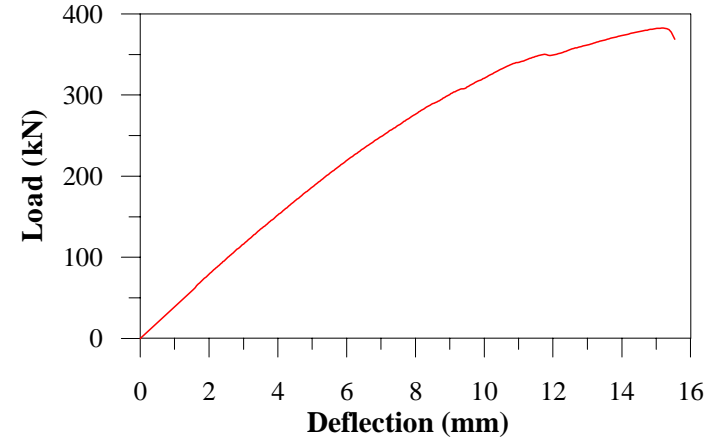


**Figure F.9.** 20×50 SFRC 2

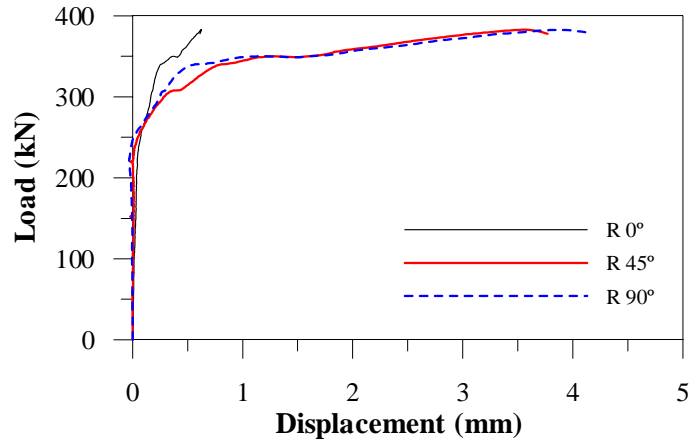
**Final State of Cracking**



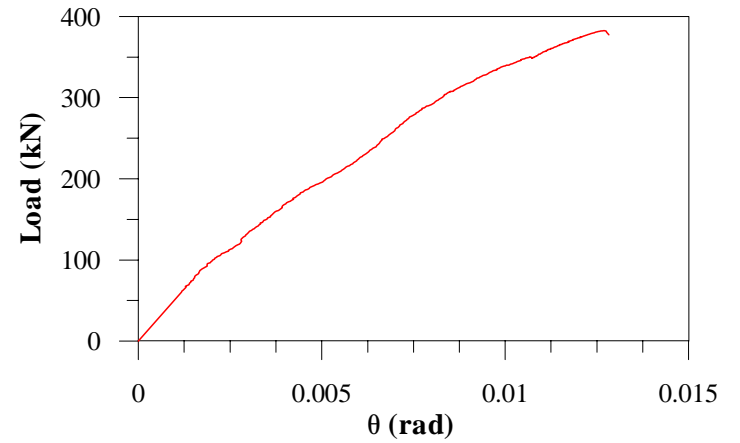
**Load-deflection response**



**Load versus rosette displacements**

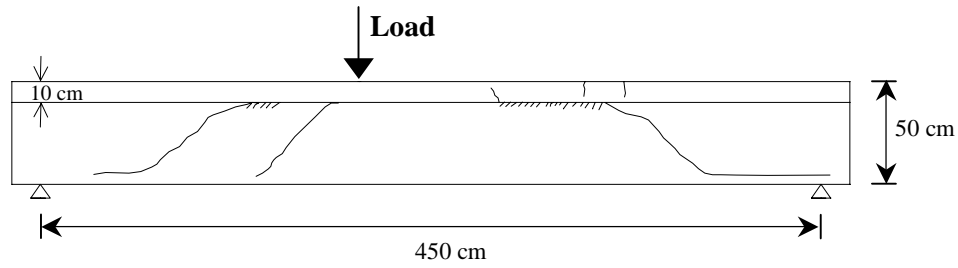


**Load-rotation response**

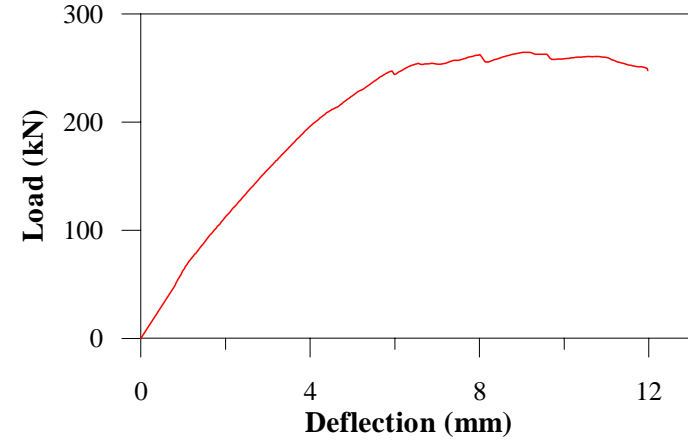


**Figure F.10.** 20×60 SFRC 2

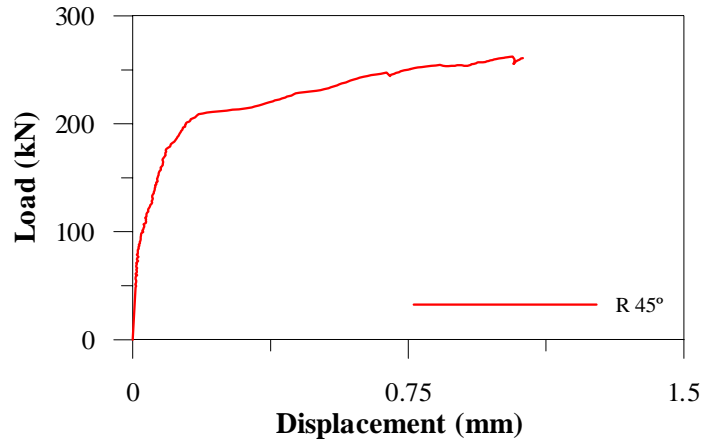
**Final State of Cracking**



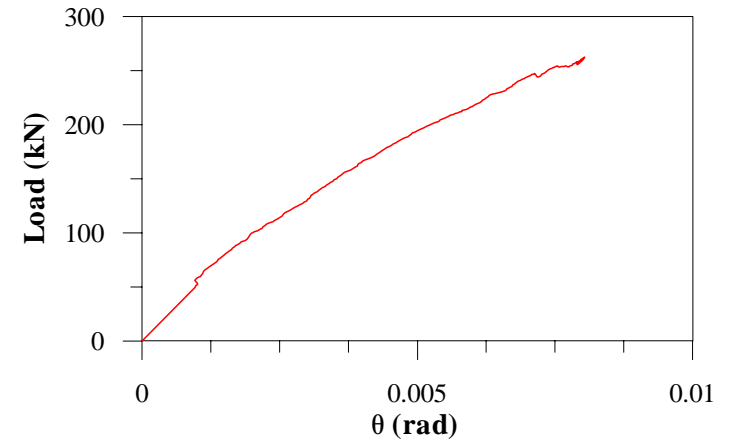
**Load-deflection response**



**Load versus rosette displacements**

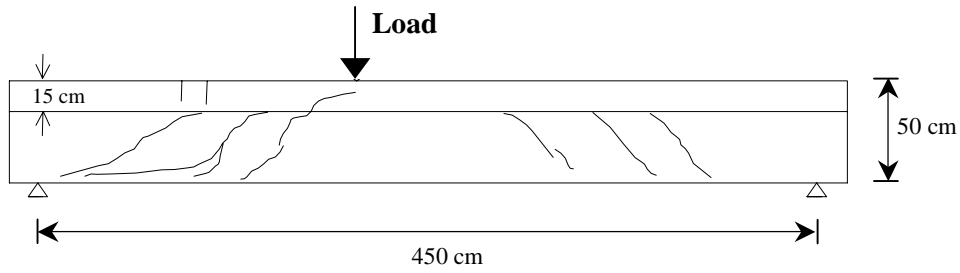


**Load-rotation response**

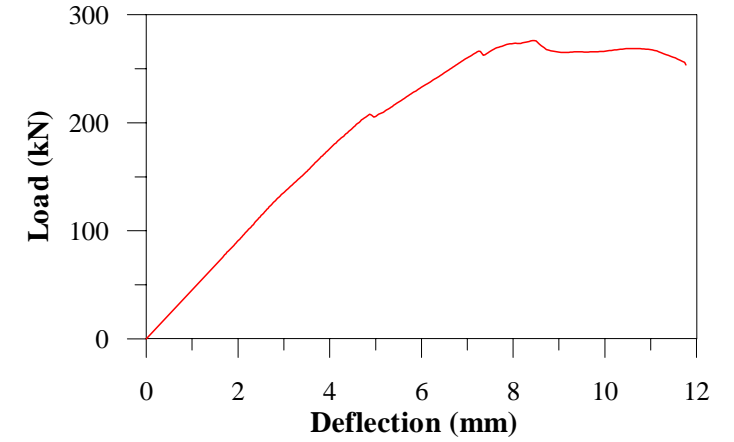


**Figure F.11.** T10×50 SFRC 2

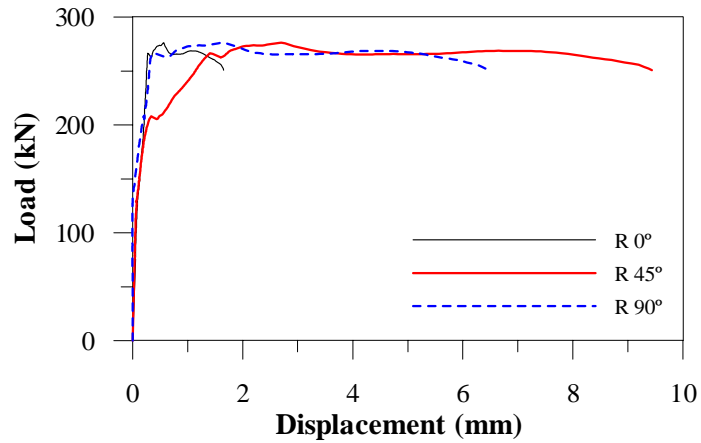
**Final State of Cracking**



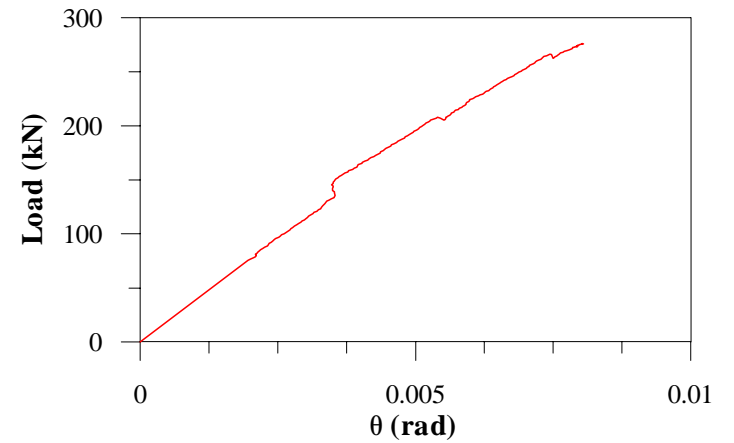
**Load-deflection response**



**Load versus rosette displacements**

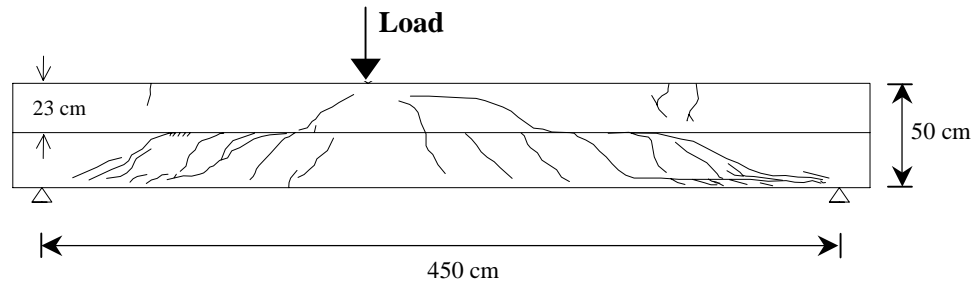


**Load-rotation response**

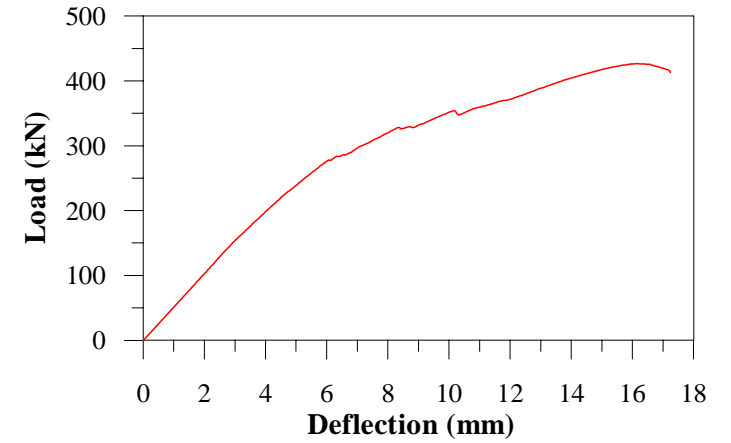


**Figure F.12.** T15×50 SFRC 2

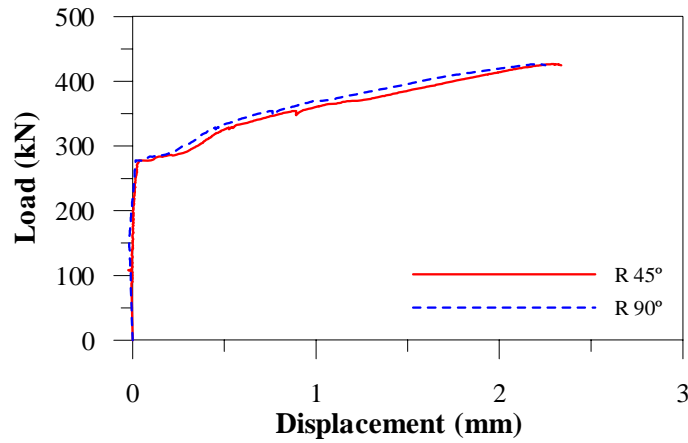
**Final State of Cracking**



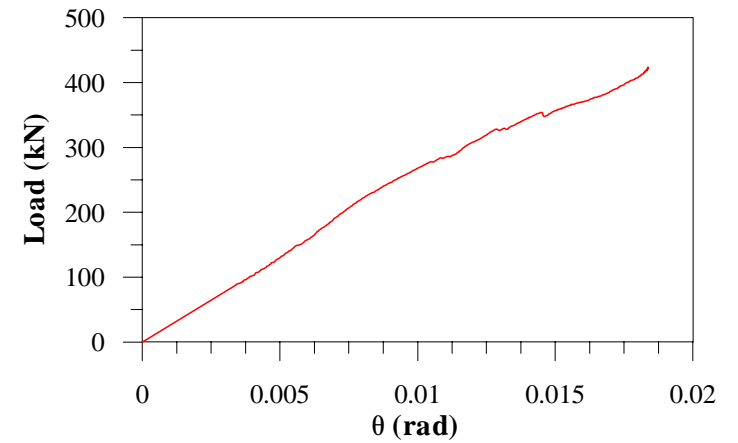
**Load-deflection response**



**Load versus rosette displacements**

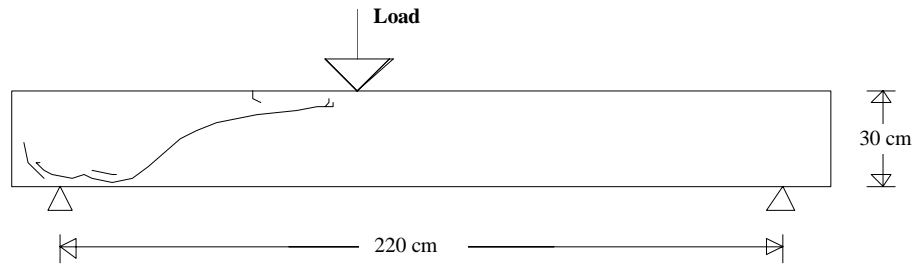


**Load-rotation response**

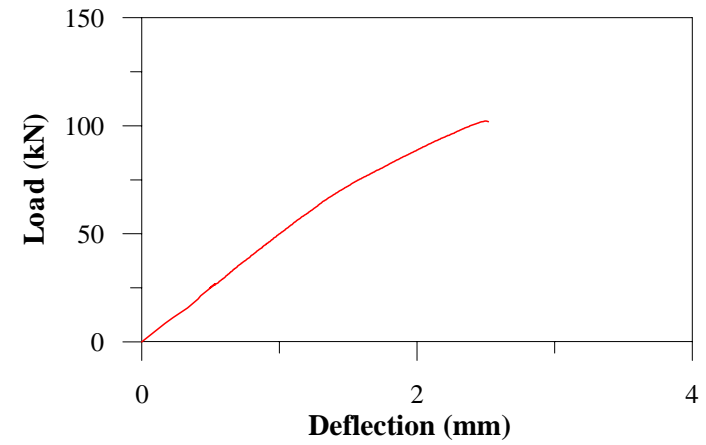


**Figure F.13.** T23×50 SFRC 2

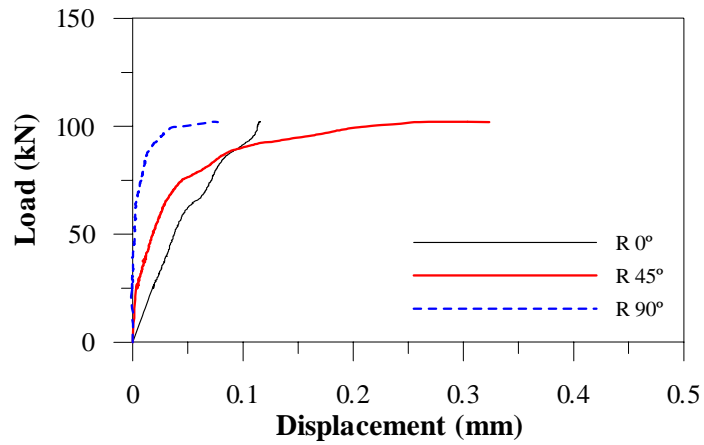
**Final State of Cracking**



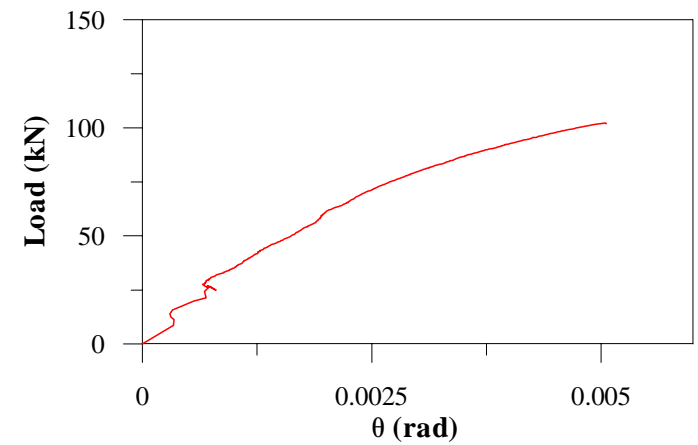
**Load-deflection response**



**Load versus rosette displacements**

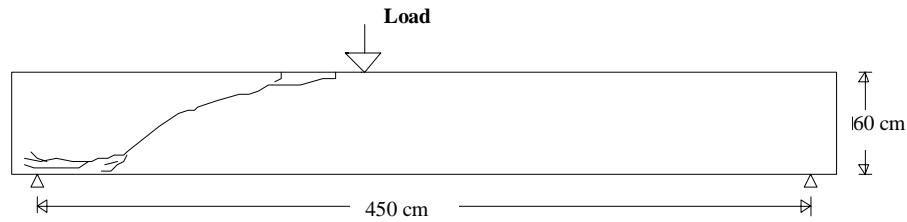


**Load-rotation response**

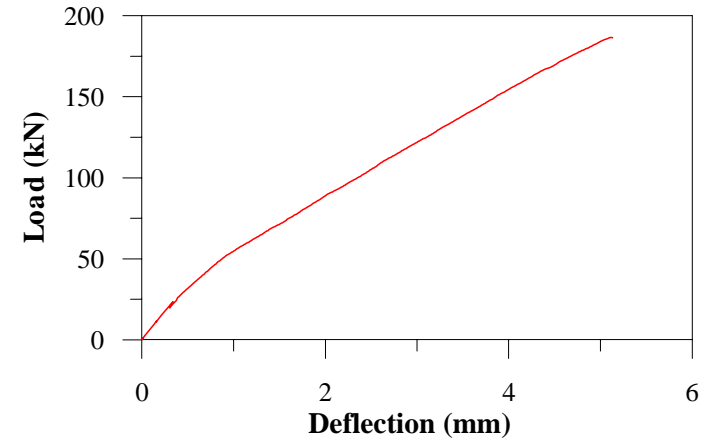


**Figure F.14.** 20×30 Plain concrete

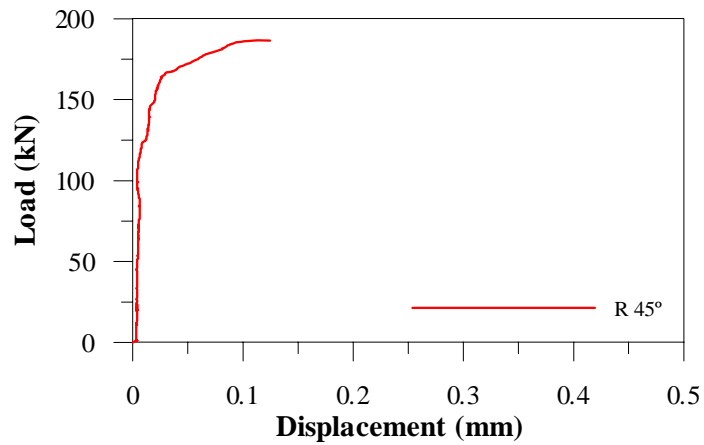
**Final State of Cracking**



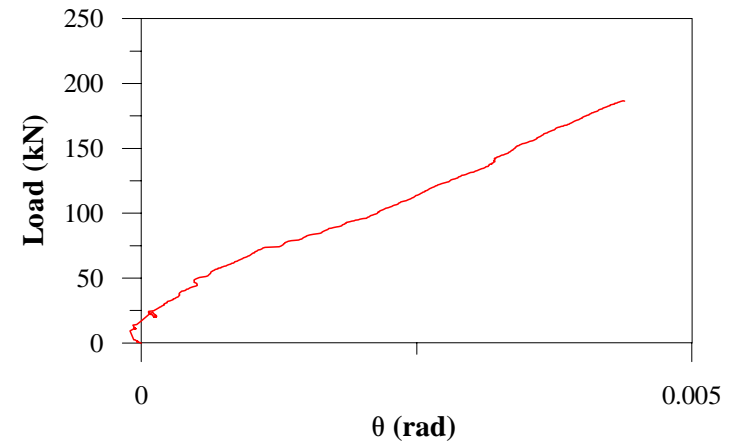
**Load-deflection response**



**Load versus rosette displacements**



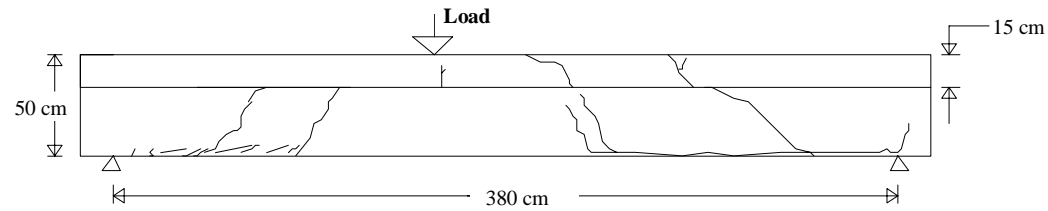
**Load-rotation response**



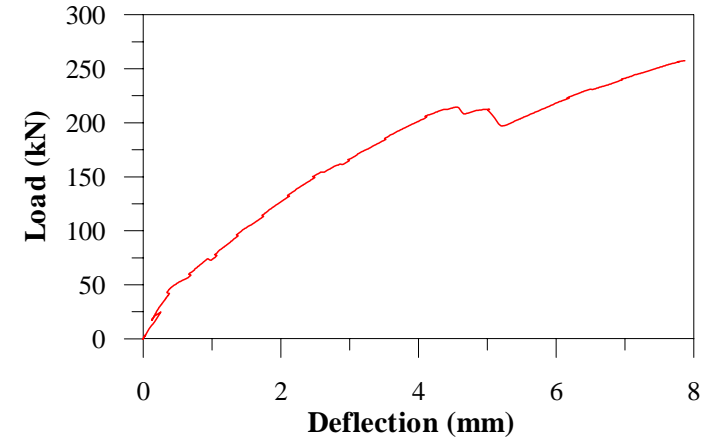
**Figure F.15.** 20×60 Plain concrete



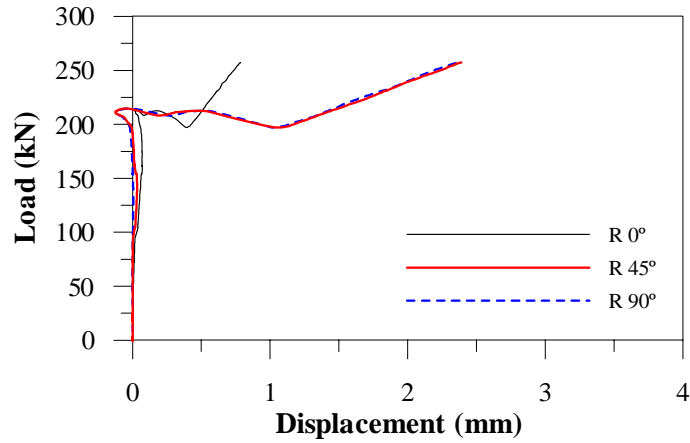
**Final State of Cracking**



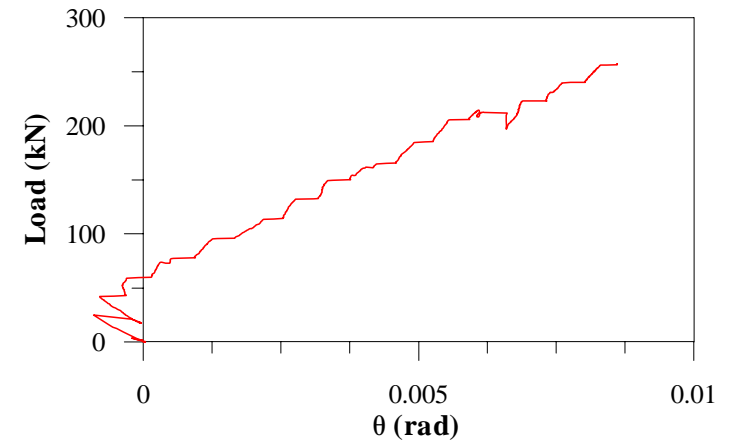
**Load-deflection response**



**Load versus rosette displacements**



**Load-rotation response**



**Figure F.16.** T15×100 Plain concrete