|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Source of Uncertainty** | **Input Magnitude** | **Original Uncertainty** | **Type, Distribution** | **Contribution**  () |
| 1 | Number of Transitions N | 125 | - | - |  |
| 1a | Maximum N Error | - | ± 1 | B, Rectangular |  |
| 2 | Wavelength λ | 532 nm | - | - |  |
| 2a | Maximum λ Error | - | ± 25 nm | B, Rectangular |  |
| 3 | Initial Length L0 | 80 mm | - | - |  |
| 3a | Maximum L0 Error | - | ± 0,05 mm | B, Rectangular |  |
| 4 | Object Temperature T | 60 °C | - | - |  |
| 4a | Maximum T Error | - | ± 0,5 °C | B, Rectangular |  |
| 5 | Temperature of Reference T0 | 20 °C | - | - |  |
| 5a | Maximum T0 Error | - | ± 0,5 °C | B, Rectangular |  |
| - | Coefficient of Thermal Expansion |  | - | Normal |  |
|  | Coefficient of thermal expansion () | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Source of Uncertainty** | **Input Magnitude** | **Original Uncertainty** | **Type, Distribution** | **Standard Uncertainty** | **Sensibility Coefficient** | **Contribution**  () |
| 1 | Number of Transitions N | 125 | - | - |  |  |  |
| 1a | Maximum N Error | - | ± 1 | B, Rectangular |  |  |  |
| 2 | Wavelength λ | 532 nm | - | - |  |  |  |
| 2a | Maximum λ Error | - | ± 25 nm | B, Rectangular |  |  |  |
| 3 | Initial Length L0 | 80 mm | - | - |  |  |  |
| 3a | Maximum L0 Error | - | ± 0,05 mm | B, Rectangular |  |  |  |
| 4 | Object Temperature T | 60 °C | - | - |  |  |  |
| 4a | Maximum T Error | - | ± 0,5 °C | B, Rectangular |  |  |  |
| 5 | Temperature of Reference T0 | 20 °C | - | - |  |  |  |
| 5a | Maximum T0 Error | - | ± 0,5 °C | B, Rectangular |  |  |  |
| - | Coefficient of thermal expansion |  | - | Normal | - | u(α) = |  |
|  | Coefficient of thermal expansion () | | | | | | |



