

**Spektraldaten auf der Purpurgeraden: LMS\_17M3,  $t_{sa}=0.0$  , D65, normiert, XYZ<sub>w</sub>=100**

| <i>i</i> | $\lambda_d$ | $X_{mi}$ | $Y_{mi}$ | $Z_{mi}$ | $x_{mi}$ | $y_{mi}$ | $z_{mi}$ | <i>INP</i> | <i>IPN</i> |
|----------|-------------|----------|----------|----------|----------|----------|----------|------------|------------|
| 0        | 495         | 0.2772   | 1.9046   | 2.6102   | 0.0578   | 0.3974   | 0.5446   | 19         | -1         |
| 1        | 500         | 0.1341   | 2.2356   | 2.1745   | 0.0295   | 0.4919   | 0.4785   | 20         | -1         |
| 2        | 505         | 0.0603   | 2.5632   | 1.7647   | 0.0137   | 0.584    | 0.4021   | 21         | -1         |
| 3        | 510         | 0.0674   | 2.8989   | 1.4092   | 0.0154   | 0.6625   | 0.322    | 21         | -1         |
| 4        | 515         | 0.1599   | 3.2125   | 1.0999   | 0.0357   | 0.7182   | 0.2459   | 23         | -1         |
| 5        | 520         | 0.3374   | 3.5107   | 0.8447   | 0.0719   | 0.748    | 0.1799   | 23         | -1         |
| 6        | 525         | 0.6114   | 3.8893   | 0.6561   | 0.1185   | 0.7541   | 0.1272   | 24         | -1         |
| 7        | 530         | 0.9751   | 4.2529   | 0.5018   | 0.1701   | 0.7422   | 0.0875   | 26         | -1         |
| 8        | 535         | 1.378    | 4.4515   | 0.3665   | 0.2223   | 0.7184   | 0.0591   | 26         | -1         |
| 9        | 540         | 1.8205   | 4.5988   | 0.2636   | 0.2724   | 0.6881   | 0.0394   | 27         | -1         |
| 10       | 545         | 2.3105   | 4.7487   | 0.1891   | 0.3187   | 0.6551   | 0.026    | 28         | -1         |
| 11       | 550         | 2.8067   | 4.8364   | 0.1334   | 0.3609   | 0.6219   | 0.0171   | 30         | 6          |
| 12       | 555         | 3.2278   | 4.7741   | 0.091    | 0.3988   | 0.5898   | 0.0112   | 30         | 12         |
| 13       | 560         | 3.5916   | 4.6465   | 0.0611   | 0.4327   | 0.5598   | 0.0073   | 32         | 14         |
| 14       | 565         | 3.8877   | 4.4677   | 0.0404   | 0.463    | 0.5321   | 0.0048   | 33         | 15         |

| <i>i</i> | $\lambda_d$ | $X_{cmi}$ | $Y_{cmi}$ | $Z_{cmi}$ | $x_{cmi}$ | $y_{cmi}$ | $z_{cmi}$ | <i>TNX</i>                      | <i>XIE1</i> | <i>XIE2</i> |
|----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------------------|-------------|-------------|
| 60       | 700         | 0.0204    | 0.0081    | 0.0       | 0.7116    | 0.2848    | 0.0       | normiert, XYZ <sub>w</sub> =100 |             |             |
| 1        | 495c        | 0.0216    | 0.0081    | 0.0035    | 0.6478    | 0.2443    | 0.1048    | -0.0024                         | 0.9951      | 0.996       |
| 2        | 500c        | 0.0242    | 0.0081    | 0.0105    | 0.5626    | 0.1904    | 0.2446    | -0.0118                         | 0.9853      | 0.9863      |
| 3        | 505c        | 0.0262    | 0.0082    | 0.0161    | 0.5176    | 0.1619    | 0.3185    | -0.0114                         | 0.9775      | 0.9785      |
| 4        | 510c        | 0.0277    | 0.0082    | 0.0203    | 0.4918    | 0.1455    | 0.3607    | 0.0246                          | 0.9707      | 0.9716      |
| 5        | 515c        | 0.0297    | 0.0082    | 0.0259    | 0.4647    | 0.1283    | 0.4053    | -0.0084                         | 0.9638      | 0.9648      |
| 6        | 520c        | 0.0317    | 0.0082    | 0.0315    | 0.4433    | 0.1148    | 0.4404    | -0.0239                         | 0.956       | 0.957       |
| 7        | 525c        | 0.0338    | 0.0082    | 0.0371    | 0.426     | 0.1039    | 0.4687    | 0.0045                          | 0.9472      | 0.9482      |
| 8        | 530c        | 0.0368    | 0.0082    | 0.0456    | 0.4056    | 0.0909    | 0.5022    | 0.0069                          | 0.9355      | 0.9365      |
| 9        | 535c        | 0.0418    | 0.0082    | 0.0596    | 0.381     | 0.0754    | 0.5425    | -0.0188                         | 0.9169      | 0.9179      |
| 10       | 540c        | 0.0504    | 0.0083    | 0.0834    | 0.3544    | 0.0585    | 0.5862    | 0.0054                          | 0.8828      | 0.8837      |
| 11       | 545c        | 0.0747    | 0.0084    | 0.1508    | 0.3191    | 0.0361    | 0.6442    | 0.0027                          | 0.789       | 0.79        |
| 12       | 550c        | 0.2788    | 0.0096    | 0.7178    | 0.2771    | 0.0095    | 0.7132    | 0.633                           | 0.0         | 0.0009      |
| 13       | 555c        | 0.2788    | 0.0096    | 0.7178    | 0.2771    | 0.0095    | 0.7132    | 7.703                           | 0.0         | 0.0009      |
| 14       | 560c        | 0.2788    | 0.0096    | 0.7178    | 0.2771    | 0.0095    | 0.7132    | 14.3934                         | 0.0         | 0.0009      |
| 15       | 565c        | 0.2788    | 0.0096    | 0.7178    | 0.2771    | 0.0095    | 0.7132    | 20.446                          | 0.0         | 0.0009      |
| 0        | 400         | 0.2791    | 0.0096    | 0.7185    | 0.277     | 0.0095    | 0.7132    | normiert, XYZ <sub>w</sub> =100 |             |             |

| Normfarbwerte der Referenzlichtart |     |        |       |        |        |        |        |                                 |  |  |
|------------------------------------|-----|--------|-------|--------|--------|--------|--------|---------------------------------|--|--|
| 380                                | 780 | 20.416 | 21.16 | 22.423 | 0.3189 | 0.3306 | 0.3503 | nicht normiert                  |  |  |
| 380                                | 780 | 100.0  | 100.0 | 100.0  | 0.3333 | 0.3333 | 0.3333 | normiert, XYZ <sub>w</sub> =100 |  |  |

| Spektraldaten auf Purpurgeraden: $\lambda_d= 700nm$ bis $400nm$ , normiert, $XYZ_w=100$ |        |        |        |        |        |        |        |        |
|-----------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0.0204                                                                                  | 0.0216 | 0.0242 | 0.0262 | 0.0277 | 0.0297 | 0.0317 | 0.0338 | 0.0368 |
| 0.0418                                                                                  | 0.0504 | 0.0747 | 0.2788 | 0.2788 | 0.2788 | 0.2788 | 0.2791 |        |
| 0.0081                                                                                  | 0.0081 | 0.0081 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 | 0.0082 |
| 0.0082                                                                                  | 0.0083 | 0.0084 | 0.0096 | 0.0096 | 0.0096 | 0.0096 | 0.0096 |        |
| 0.0                                                                                     | 0.0035 | 0.0105 | 0.0161 | 0.0203 | 0.0259 | 0.0315 | 0.0371 | 0.0456 |
| 0.0596                                                                                  | 0.0834 | 0.1508 | 0.7178 | 0.7178 | 0.7178 | 0.7178 | 0.7185 |        |