



http://farbe.li.tu-berlin.de/CE87/CE87L0N1.TXT/.PS  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/1

Spectral data on the purple line: LMS\_17M3,  $t_{sa}=0.0$ , D65, not normalized

$i$	$\lambda_d$	$X_i$	$Y_i$	$Z_i$	$x_i$	$y_i$	$z_i$	INP	IPN	
0	495	0.0566	0.403	0.5853	0.0541	0.3856	0.56	19	-1	
1	500	0.0273	0.473	0.4876	0.0277	0.4787	0.4934	20	-1	
2	505	0.0123	0.5423	0.3957	0.0129	0.5706	0.4163	21	-1	
3	510	0.0137	0.6134	0.3159	0.0146	0.6502	0.3349	21	-1	
4	515	0.0326	0.6797	0.2466	0.034	0.7087	0.2571	23	-1	
5	520	0.0688	0.7428	0.1894	0.0688	0.7419	0.1891	23	-1	
6	525	0.1248	0.823	0.1471	0.114	0.7515	0.1343	25	-1	
7	530	0.199	0.8999	0.1125	0.1643	0.7427	0.0928	25	-1	
8	535	0.2813	0.9419	0.0822	0.2154	0.7214	0.0629	27	-1	
9	540	0.3716	0.9731	0.0591	0.2647	0.693	0.0421	28	-1	
10	545	0.4717	1.0048	0.0424	0.3105	0.6614	0.0279	28	-1	
11	550	0.573	1.0234	0.0299	0.3523	0.6292	0.0184	29	-1	
12	555	0.659	1.0102	0.0204	0.3899	0.5978	0.012	30	10	
13	560	0.7332	0.9832	0.0137	0.4237	0.5682	0.0079	32	13	
14	565	0.7937	0.9453	0.009	0.4539	0.5407	0.0051	32	14	
$i$	$\lambda_d$	$X_{ei}$	$Y_{ei}$	$Z_{ei}$	$x_{ei}$	$y_{ei}$	$z_{ei}$	TNX	XIE1	XIE2
60	700	0.0041	0.0017	0.0	0.695	0.2883	0.0	not normalized		
1	495c	0.0043	0.0017	0.0004	0.6525	0.2611	0.0712	0.0006	0.996	0.997
2	500c	0.0048	0.0017	0.0003	0.555	0.1987	0.2346	-0.0009	0.9873	0.9882
3	505c	0.0051	0.0017	0.0029	0.5162	0.1739	0.2997	0.0007	0.9804	0.9814
4	510c	0.0054	0.0017	0.0039	0.486	0.1546	0.3503	0.0111	0.9746	0.9755
5	515c	0.0057	0.0017	0.0048	0.4619	0.1392	0.3907	0.0009	0.9687	0.9697
6	520c	0.006	0.0017	0.0058	0.4423	0.1266	0.4237	0.0111	0.9628	0.9638
7	525c	0.0064	0.0017	0.007	0.421	0.113	0.4594	-0.0003	0.956	0.957
8	530c	0.0069	0.0017	0.0083	0.4039	0.1021	0.488	0.0009	0.9472	0.9482
9	535c	0.0076	0.0017	0.0105	0.3809	0.0873	0.5267	-0.0002	0.9345	0.9355
10	540c	0.0087	0.0017	0.014	0.3557	0.0713	0.5688	-0.0004	0.913	0.914
11	545c	0.0111	0.0017	0.0212	0.325	0.0516	0.6203	0.0	0.8681	0.8691
12	550c	0.0201	0.0018	0.0486	0.2846	0.0257	0.6881	0.0	0.6972	0.6982
13	555c	0.0569	0.002	0.1609	0.2587	0.0092	0.7315	0.1606	0.0	0.0009
14	560c	0.0569	0.002	0.1609	0.2587	0.0092	0.7315	0.4723	0.0	0.0009
15	565c	0.0569	0.002	0.1609	0.2587	0.0092	0.7315	0.7568	0.0	0.0009
0	400	0.0569	0.002	0.1611	0.2587	0.0092	0.7315	not normalized		

## Tristimulus values of reference illuminant

380	780	20.416	21.16	22.423	0.3189	0.3306	0.3503	not normalized
380	780	96.482	100.0	105.97	0.3189	0.3306	0.3503	normalized, Yw=100

Spectral data on the purple line:  $\lambda_d = 700\text{nm}$  to  $400\text{nm}$ , not normalized

0.0041	0.0043	0.0048	0.0051	0.0054	0.0057	0.006	0.0064	0.0069
0.0076	0.0087	0.0111	0.0201	0.0569	0.0569	0.0569	0.0569	
0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
0.0017	0.0017	0.0017	0.0018	0.002	0.002	0.002	0.002	0.002
0.0	0.0004	0.002	0.0029	0.0039	0.0048	0.0058	0.007	0.0083
0.0105	0.014	0.0212	0.0486	0.1609	0.1609	0.1609	0.1611	

Spectral data on the purple line: LMS\_17M3,  $t_{sa}=0.0$ , D65, normalized,  $XYZ_w=100$ 

$i$	$\lambda_d$	$X_{mi}$	$Y_{mi}$	$Z_{mi}$	$x_{mi}$	$y_{mi}$	$z_{mi}$	INP	IPN	
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	0.0226	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	0.4643	0.5321	0.0048	33	15	
$i$	$\lambda_d$	$X_{cmi}$	$Y_{cmi}$	$Z_{cmi}$	$x_{cmi}$	$y_{cmi}$	$z_{cmi}$	TNX	XIE1	XIE2
60	700	0.0204	0.0081	0.0	0.7116	0.2848	0.0	normalized,	$XYZ_w=100$	
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	0.128	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	0.291	0.0096	0.7185	0.277	0.0095	0.7132	normalized,	$XYZ_w=100$	

## Tristimulus values of reference illuminant

380	780	20.416	21.16	22.423	0.3189	0.3306	0.3503	not normalized
380	780	100.0	100.0	100.0	0.3333	0.3333	0.3333	normalized, $XYZ_w=100$

Spectral data on the purple line:  $\lambda_d=700\text{nm}$  to  $400\text{nm}$ , normalized,  $XYZ_w=100$ 

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	0.0082	0.0084	0.0096	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	

TUB-test chart CE87; LMS\_17M3 tristimulus values and chromaticities,  $tsa=0.0$ , D65  
Spectral tristimulus values and chromaticities for wavelength 495 to 565nm and purple colours

see similar files: <http://farbe.li.tu-berlin.de/CE87/CE87.HTM>  
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbenmetrik>