

Table 16.3 AM0 standard solar spectrum adapted with permission from the annual book of ASTM standards, Copyright ASTM [8]

λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]	λ [nm]	$E(\lambda)$ [Wm ⁻² μm^{-1}]
119.5	6.30E-2	320.5	820.6	521.5	1939	719.8	1388.0	1088	577.8	1490	296.2	1892	137.0	2294	67.99	4460	5.799
120.5	5.72E-1	321.5	713	522.5	1855	720.7	1385.0	1090	599.3	1492	294.1	1894	135.3	2296	68.52	4480	5.694
121.5	5.00E+0	322.5	701.8	523.5	1927	721.7	1386.0	1092	592.8	1494	296.2	1896	132.5	2298	68.39	4500	5.591
122.5	1.21E+0	323.5	674	524.5	1992	722.7	1383.0	1094	555.9	1496	287.2	1898	137.1	2300	68.75	4520	5.491
123.5	4.86E-2	324.5	775.4	525.5	1963	723.6	1389.0	1096	570.7	1498	291.2	1900	136.0	2302	68.89	4540	5.392
124.5	3.50E-2	325.5	892.6	526.5	1702	724.6	1384.0	1098	569.5	1500	290.7	1902	138.9	2304	68.78	4560	5.296
125.5	2.94E-2	326.5	998.3	527.5	1860	725.5	1372.0	1100	583.2	1502	278.9	1904	135.9	2306	68.64	4580	5.202
126.5	3.59E-2	327.5	971	528.5	1930	726.5	1375.0	1102	570.4	1504	274.6	1906	136.5	2308	68.48	4600	5.110
127.5	2.17E-2	328.5	935.2	529.5	1951	727.4	1374.0	1104	576.9	1506	271.9	1908	135.3	2310	68.08	4620	5.020
128.5	1.76E-2	329.5	1081	530.5	1986	728.4	1347.0	1106	576.0	1508	281.1	1910	136.2	2312	68.00	4640	4.932
129.5	4.07E-2	330.5	1036	531.5	1997	729.3	1332.0	1108	573.2	1510	288.8	1912	133.0	2314	67.98	4660	4.846
130.5	1.23E-1	331.5	984.2	532.5	1801	730.3	1364.0	1110	573.0	1512	283.3	1914	135.5	2316	67.05	4680	4.762
131.5	4.06E-2	332.5	973.2	533.5	1956	731.2	1358.0	1112	564.6	1514	281.1	1916	134.2	2318	66.42	4700	4.680
132.5	4.21E-2	333.5	939.3	534.5	1890	732.2	1360.0	1114	565.3	1516	282.5	1918	133.5	2320	67.15	4720	4.599
133.5	1.71E-1	334.5	977.3	535.5	2024	733.1	1351.0	1116	565.9	1518	283.3	1920	131.1	2322	65.70	4740	4.520
134.5	4.66E-2	335.5	961.4	536.5	1903	734.0	1364.0	1118	563.6	1520	282.2	1922	133.5	2324	64.33	4760	4.443
135.5	3.88E-2	336.5	825	537.5	1914	735.0	1348.0	1120	552.0	1522	274.6	1924	131.4	2326	64.30	4780	4.367
136.5	3.15E-2	337.5	858	538.5	1937	735.9	1335.0	1122	561.0	1524	276.6	1926	132.3	2328	65.51	4800	4.293
137.5	2.98E-2	338.5	939.2	539.5	1864	736.9	1337.0	1124	557.6	1526	280.5	1928	128.8	2330	65.65	4820	4.221
138.5	4.04E-2	339.5	976.5	540.5	1800	737.8	1333.0	1126	543.3	1528	281.0	1930	128.5	2332	64.89	4840	4.150
139.5	7.71E-2	340.5	1026	541.5	1913	738.8	1292.0	1128	550.8	1530	269.3	1932	126.8	2334	65.23	4860	4.080
140.5	6.19E-2	341.5	941.5	542.5	1857	739.7	1309.0	1130	542.6	1532	278.0	1934	128.8	2336	64.33	4880	4.012
141.5	4.29E-2	342.5	1012	543.5	1911	740.7	1295.0	1132	545.9	1534	272.8	1936	128.5	2338	64.06	4900	3.946
142.5	4.77E-2	343.5	968.8	544.5	1911	741.6	1286.0	1134	542.1	1536	276.5	1938	128.9	2340	64.87	4920	3.881
143.5	5.21E-2	344.5	810.9	545.5	1934	742.6	1307.0	1136	546.0	1538	273.3	1940	124.5	2342	64.77	4940	3.817

(continued overleaf)