

Smart WIFI Floodlight Specification

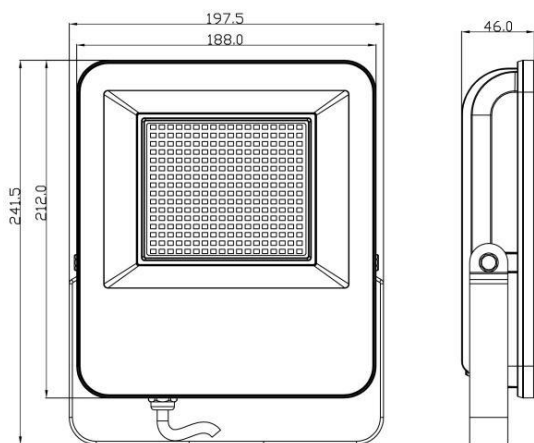
Picture:



Technical Data:

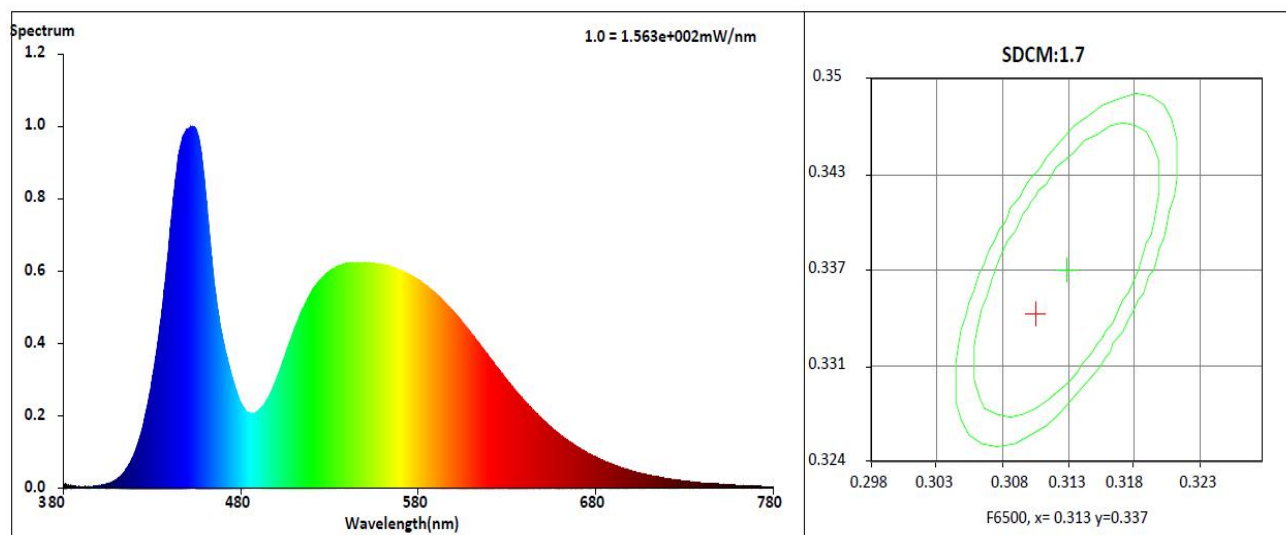
Item No.:	SM50FLRGCCT
LED Chip:	SMD2835+SMD5050
Type:	Floodlight
Weight:	0.96kg
Dimension:	L241.5*H197.5mm
Material:	Aluminum +Tempered glass
IP Grade:	IP07
Power(W):	50W
Power Factor:	>0.9
Input Voltage:	AC220-240V 50/60Hz
Total Lumens:	6000LM
CRI:	>80Ra
Dimmable:	No
Bracket Angle:	320
Color Temperature:	RGB+2700k(WarmWhite)+ 6500K(Cool White)
Packing:	1.10pcs/CTN 2.Gross Weight: 10.916kg 3.Carton Size: 42.5*27.5*27cm
Certificate:	CE / RoHS
Waranty:	3 years waranty
Aging Test:	48 working hours aging test

Drawing Size:



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Optical & Electrical Test Report



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3107$ $y = 0.3341$ / $u' = 0.1945$ $v' = 0.4707$

($duv = 6.83e-03$)

CCT= 6574K Prcp WL: $L_d = 492.2\text{nm}$ Purity=7.6%

Peak WL: $L_p = 453\text{nm}$ FWHM: $\approx 31.1\text{nm}$

Ratio: R=12.1% G=83.3% B=4.6% EEI: 0.10637 A+

Render Index: Ra = 85.6

R1= 72.0 R2= 79.0 R3= 84.0 R4= 75.0 R5=74.0 R6=73.0 R7= 85.0

R8= 62.0 R9= 00.00 R10= 50.0 R11= 72.0 R12=48.0 R13=73.0 R14=91.0

Photometric & Radiometric Parameters

Flux = 5944.2 lm Eff. : 128.07 lm/W $F_e = 18.592\text{ W}$

Electrical parameters

V = 230.82 V I = 0.2080 A P = 46.41 W PF = 0.9667 F=49.99 Hz

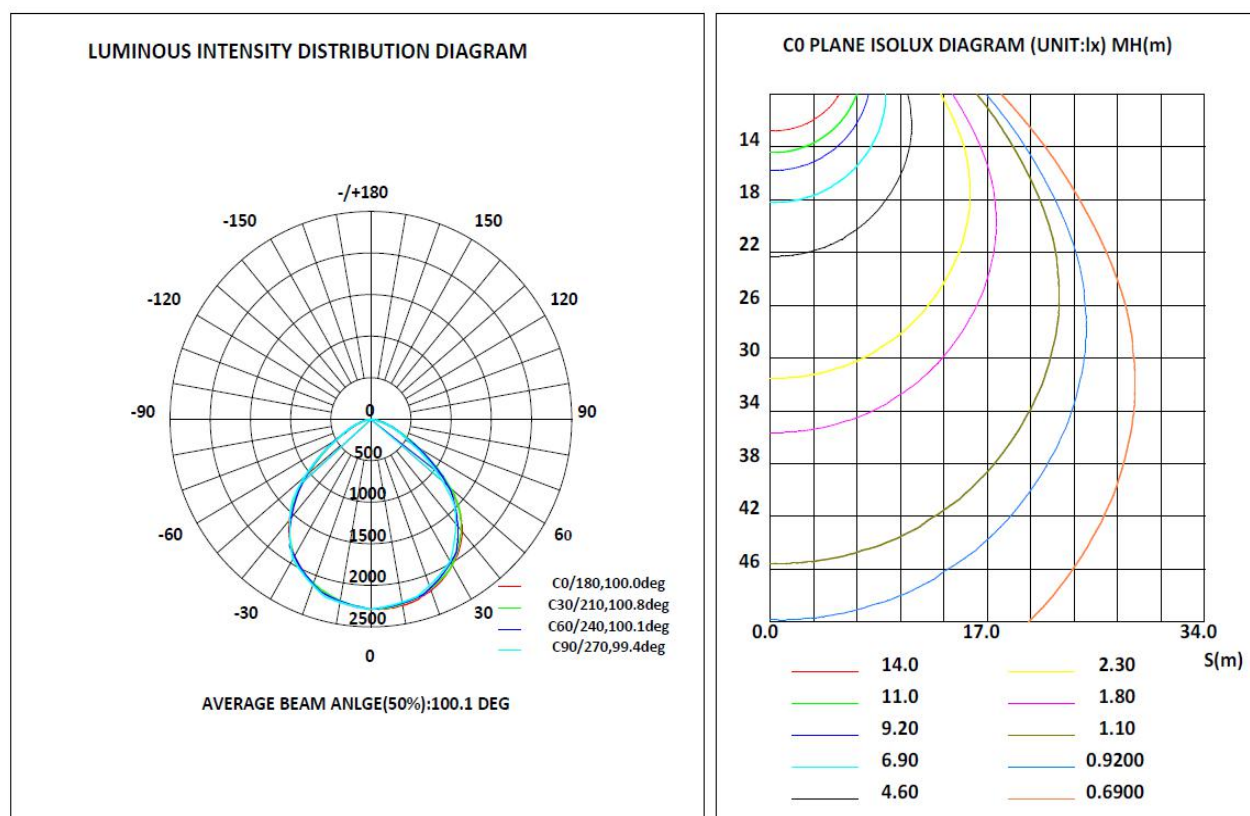


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LUMINAIRE PHOTOMETRIC TEST REPORT

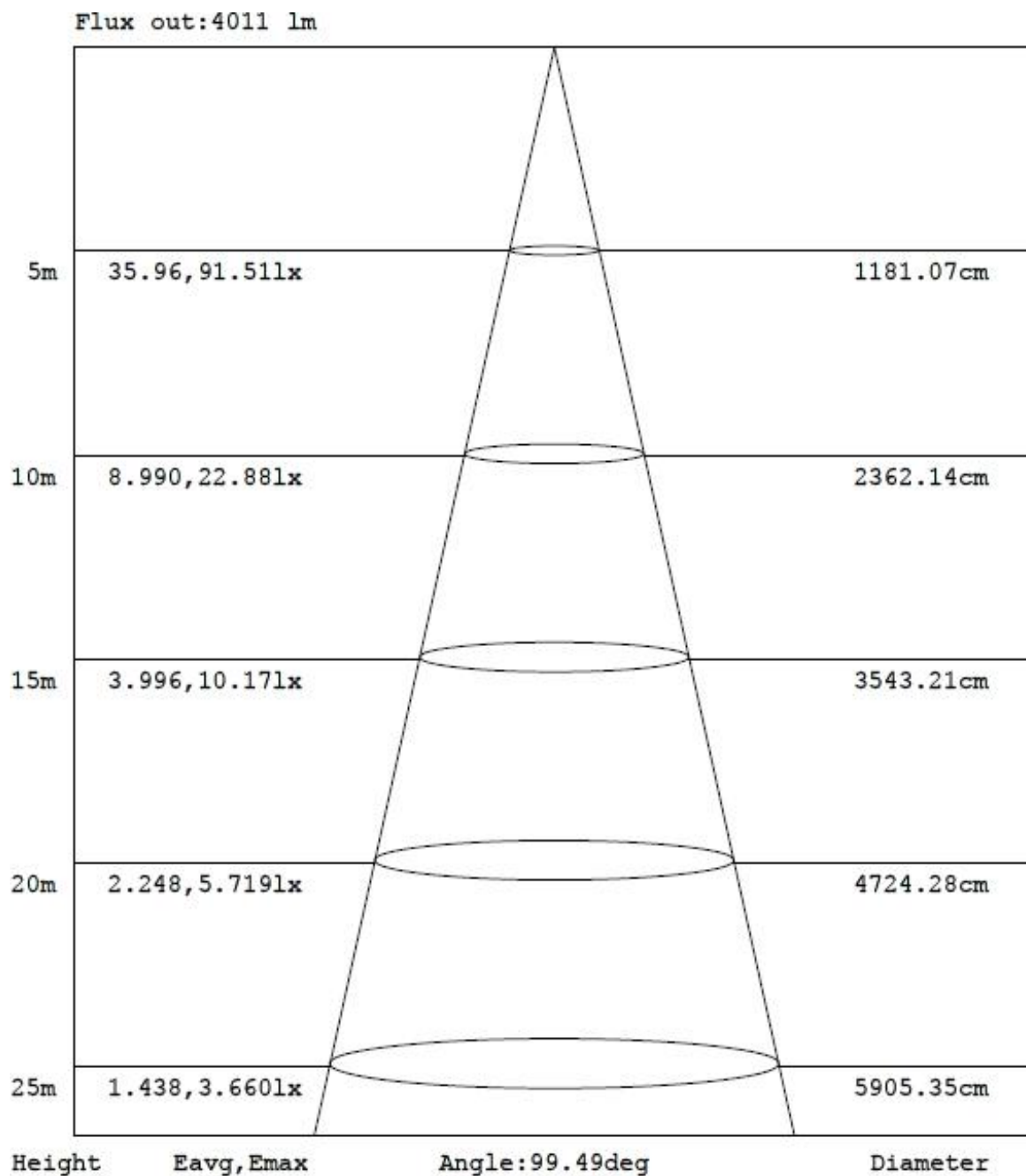
DATA OF LAMP		PHOTOMETRIC DATA				Eff: 116.12 lm/W
MODEL	SM50FLRGBCT	Imax(cd)	2290	S/MH(C0/180)	1.32	
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.27	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5333.1	UP,DN(C0-180)	0.0,50.8	
NOMINAL FLUX(lm)	5333.14	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,49.2	
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	229.2	down(%)	100.0	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



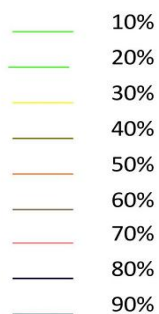
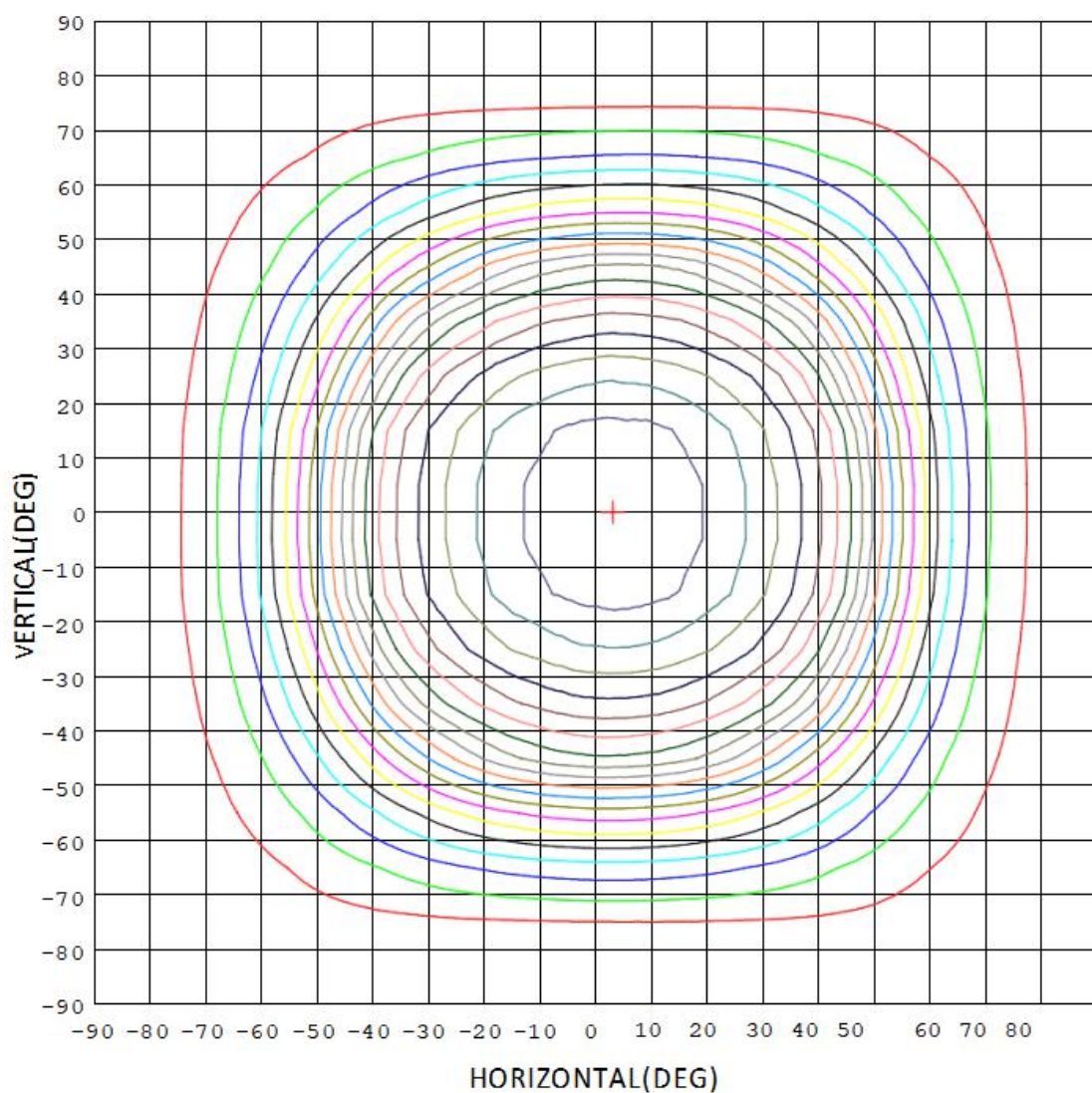
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Average E Figure



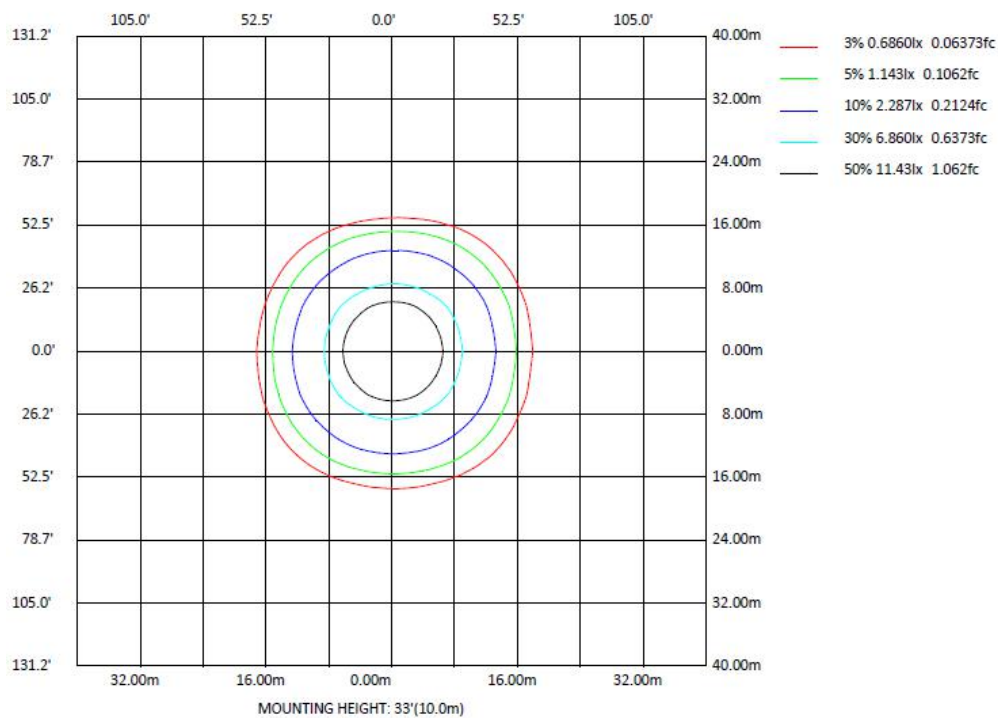
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ISOCANDELA DIAGRAM

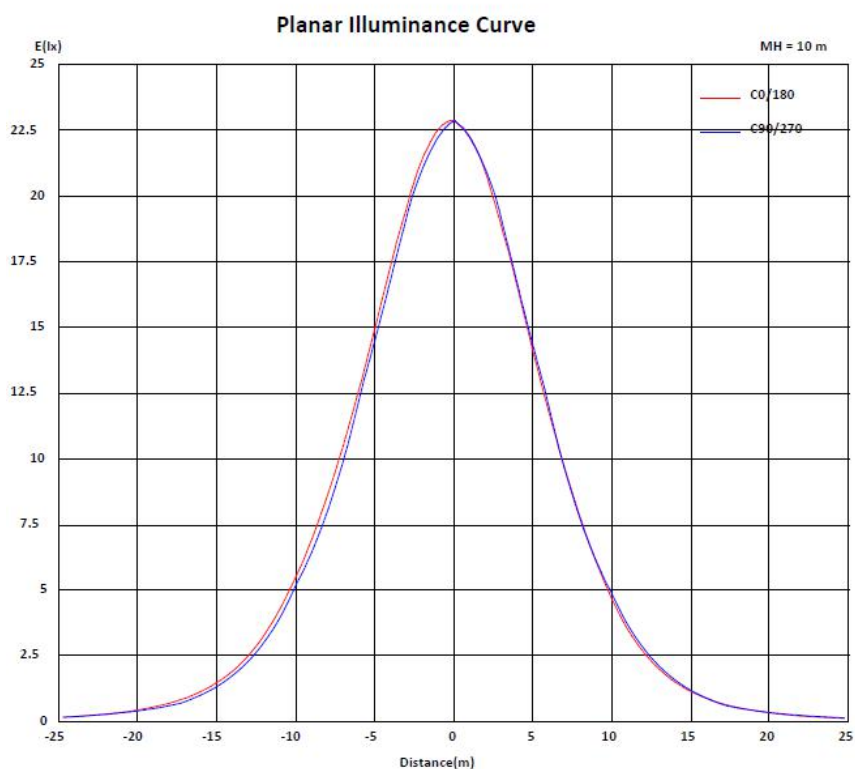


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ISOLUX Diagram



Planar Illuminance Curve





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Luminous Distribution Intensity Data

UNIT:cd

C(DEG) (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286	2286
5	2261	2259	2258	2256	2255	2255	2255	2256	2255	2255	2254	2253	2254	2257	2259	2261	2261	2262	2263
10	2224	2221	2219	2217	2215	2216	2217	2217	2219	2221	2223	2223	2227	2229	2230	2235	2237	2238	2240
15	2165	2163	2160	2160	2162	2165	2167	2168	2173	2178	2184	2190	2197	2198	2206	2208	2212	2214	2215
20	2096	2094	2093	2093	2095	2104	2114	2122	2121	2113	2108	2110	2111	2114	2116	2119	2124	2130	2132
25	1999	1999	2005	2012	2021	2033	2023	2015	2015	2013	2012	2012	2016	2019	2024	2030	2036	2045	2045
30	1889	1890	1899	1911	1910	1900	1897	1894	1899	1904	1906	1914	1920	1926	1931	1939	1948	1961	1960
35	1751	1759	1775	1772	1760	1755	1759	1763	1768	1785	1773	1754	1751	1746	1745	1751	1761	1775	1781
40	1567	1580	1590	1572	1571	1581	1598	1603	1575	1549	1545	1540	1540	1547	1548	1560	1573	1586	1594
45	1311	1336	1322	1314	1327	1359	1348	1329	1313	1301	1302	1316	1326	1343	1355	1370	1386	1398	1405
50	1016	1026	1020	1029	1044	1048	1051	1046	1038	1042	1050	1061	1064	1064	1067	1072	1084	1097	1113
55	744	740	742	754	760	766	769	771	779	780	781	780	777	774	771	773	782	792	812
60	508	502	510	515	521	523	536	544	543	536	526	514	499	488	478	475	480	489	508
65	319	319	322	326	332	342	345	340	326	313	323	329	334	338	341	345	350	355	364
70	187	189	191	197	202	196	189	201	209	214	217	218	217	217	216	218	220	224	231
75	111	112	113	114	111	115	120	123	124	121	116	109	103	97.0	92.8	90.7	90.4	93.0	98.0
80	61.6	60.4	60.7	60.5	60.3	60.4	59.5	50.6	40.8	31.5	23.3	16.2	10.4	5.88	2.64	0.67	0.00	0.69	2.79
85	12.5	15.0	13.7	8.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00