





Project No: 10021186
Report No: 10021186-13
Issued Date: 2013-JUN-27
Revision:

Verification Services Test Report

Customer Company & Address
Acrilux SRL S.P. 571 Km 10+983 62019 Recanati (MC) Italia

Manufacturer:	Acrilux SRL
Country of Origin:	Italy
Country of Export:	N/A
Product Category:	URBAN LED stradale 700mA
Product Description:	LED outdoor luminaire
Model Number(s):	URBAN LED stradale 700mA
ECG Model:	VOSSLOH SCHWABE LEDline Type ECXe 700.022 Ref: 186201
Electrical Ratings:	230Vac 50Hz
Test Sample(s) Received Date:	2013-JUN-21
Test Period:	2013-JUN-24 to 2013-JUN-24
The Sample(s) is(are) tested in accordance with the following:	
UNI 11356:2010	

Prepared By	Approved By
Giovanni Di Martino 	Walter Parmiani 
Name & Signatory	Name & Signatory

This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.



UL International Italia S.r.l.
Via XXV Aprile 3/B
20875 Burago di Molgora (MB) Italy
NVLAP Lab Code: 200985-0



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Statement of Results

Test Flow	Test Method	Sample ID	Test Result
1.	Goniophotometer	014007-S001	Evaluated by Customer

Measurement Uncertainty

N/A

Deviation from Test Method (if any)

N/A

Remarks (if any)

N/A



Verification Services Test Report

Test No. 1: Goniophotometer

Sample ID / Test Round Number

014007-S001 / 1

Environmental Conditions

Ambient Temperature
25.2 °C

Test Equipment

Local ID	Description	Model	Last cal	Next cal
BURVS0074	Goniophotometer system	LSI 6440T	03/jun/2013	By evidence
BURVS0078	AC PSU	ELGAR CW 1251	Reference only	Reference only
BURVS0077	Digital power meter	Yokogawa WT210	12/jul/2012	12/jul/2013
BURVS0079	THERMOMETER	OMEGA MDSi8	16/jul/2012	16/jul/2013
BURVS0061	OMNIDIRECTIONAL CALIBRATION LAMP	STS STD-EHD 12C050	25/jun/2012	25/jun/2015

Test Condition(s)

Input Voltage	Input Current	Input Power	Power Factor
230.04 V	0.18 A	40.28 W	0.99

Test Results

Result Name	Result
Test Date	2013-JUN-24 04:00:00 PM
Current THD	10.6 %
Luminous Flux	2658.8 lm
Luminous Efficacy	66.0 lm/W
Luminous Opening Length	150.0 mm
Luminous Opening Width	150.0 mm
Luminous Opening Height	0.0 mm



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Photo of Sample(s)

Sample



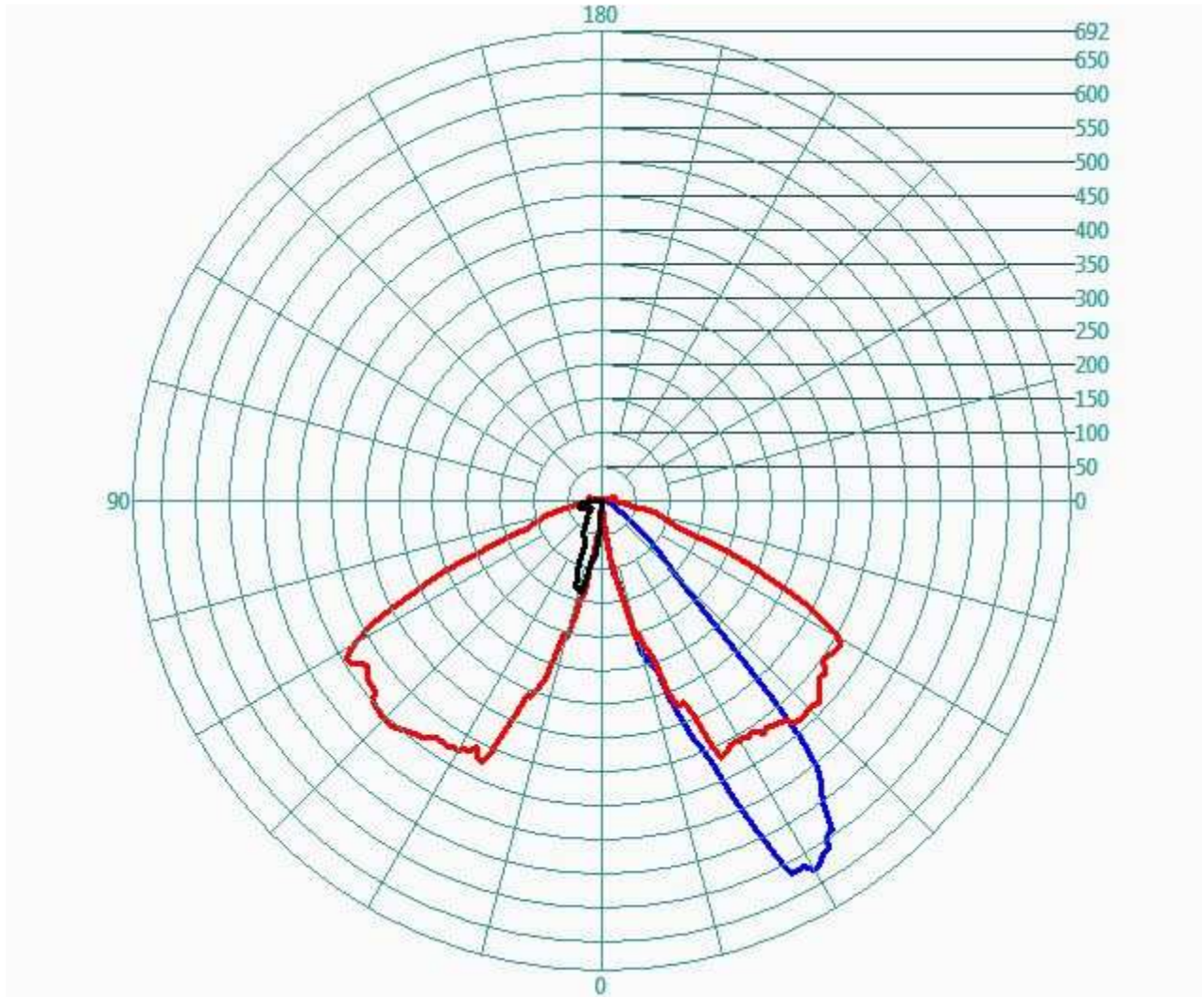
Goniophotometer set-up





Verification Services Test Report

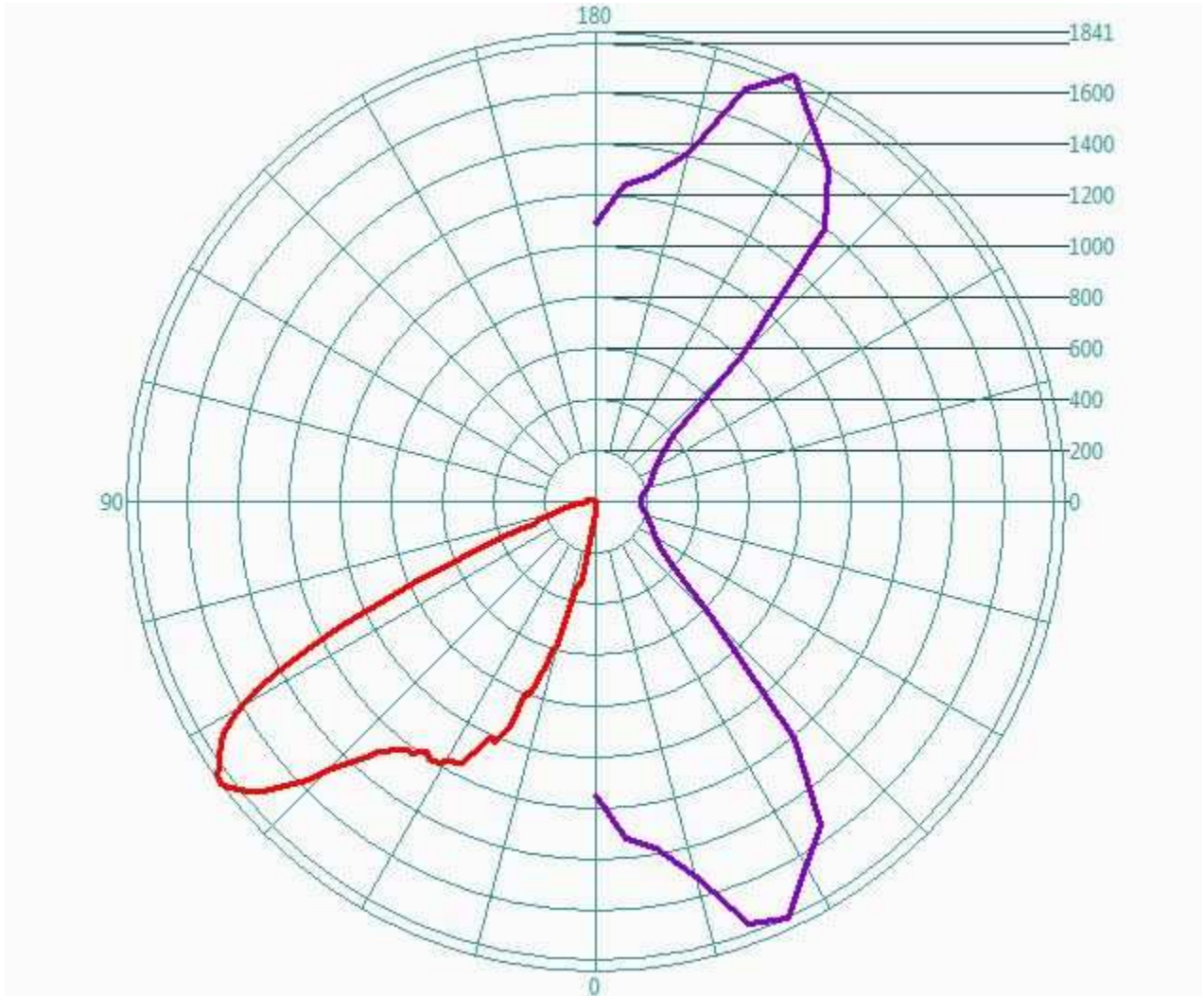
Polar diagram (cd/Klm)





Verification Services Test Report

Max cone and plane (cd)

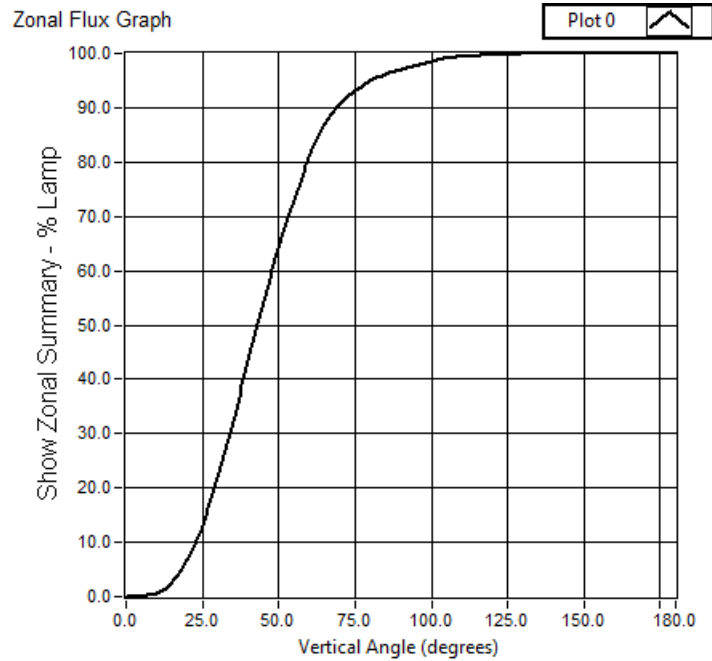




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Test Item Number: 014007

Zonal Lumen Summary

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	556.10	20.92	20.92
0 to 40	1122.71	42.23	42.23
0 to 60	2130.24	80.12	80.12
0 to 90	2577.60	96.95	96.95
40 to 90	1454.89	54.72	54.72
60 to 90	447.36	16.83	16.83
90 to 180	81.23	3.05	3.05
0 to 180	2658.83	100.00	100.00



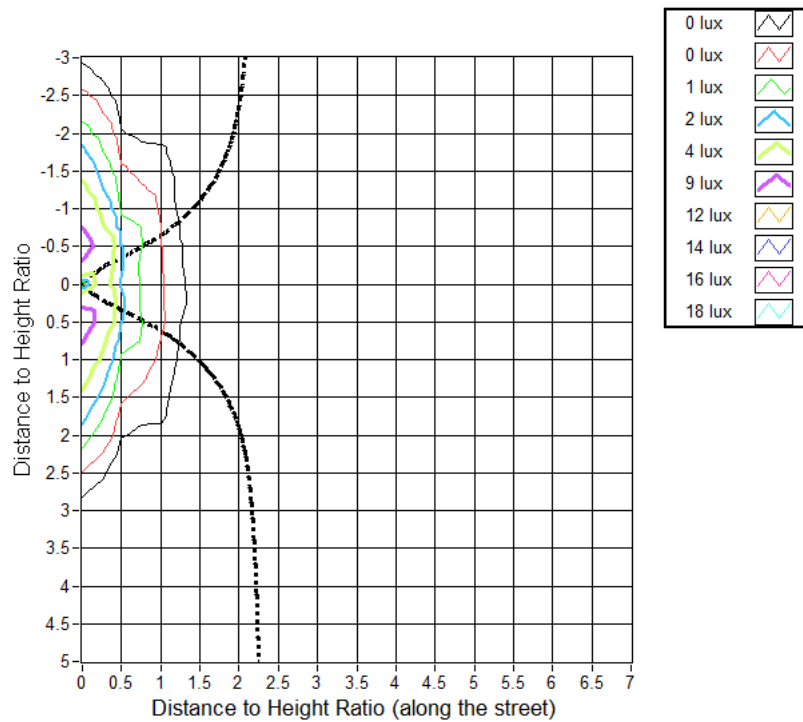


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Isolluminance Merged Chart

House Side

Illuminance Contour Graph



Street Side

Total Forward Light - Street Side

BACKWARD (lm)	(%)	BL (0 to 30 deg)	BL (%)	BM (30 to 60 deg)	BM (%)	BH (60 to 80 deg)	BH (%)	BVH (80 to 90 deg)	BVH (%)
1290.06	48.52	282.61	10.63	790.70	29.74	188.80	7.10	27.94	1.05

Total Backward Light - House Side

FORWARD (lm)	(%)	FL (0 to 30 deg)	FL (%)	FM (30 to 60 deg)	FM (%)	FH (60 to 80 deg)	FH (%)	FVH (80 to 90 deg)	FVH (%)
1287.38	48.42	273.51	10.29	783.37	29.46	201.09	7.56	29.40	1.11



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Luminous Intensity Values - Street Side

0	0.00	5.00	15.00	25.00	35.00	45.00	55.00	65.00	75.00	85.00
0.00	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
5.00	61.9	71.8	59.7	46.8	41.4	65.3	49.3	51.0	31.3	20.1
10.00	252.7	267.1	296.9	351.6	323.6	242.3	318.4	355.9	307.6	327.5
15.00	559.3	585.2	660.1	642.0	605.5	626.0	574.4	601.6	635.0	642.8
20.00	823.2	819.7	938.2	862.4	872.0	970.9	909.7	866.0	883.7	947.5
25.00	1128.5	1097.9	1140.4	1129.0	1127.6	1240.0	1281.8	1339.9	1348.0	1369.7
30.00	1129.6	1137.7	1157.7	1209.0	1291.5	1510.8	1589.3	1665.0	1659.2	1639.0
35.00	1132.0	1181.1	1183.4	1248.0	1420.6	1725.2	1735.3	1629.1	1640.2	1574.6
40.00	1181.5	1211.8	1199.7	1314.4	1641.6	1748.7	1627.1	1441.0	1305.8	1266.5
45.00	1202.3	1292.4	1297.6	1595.4	1733.6	1647.4	1284.8	651.0	438.7	414.6
50.00	1162.6	1328.6	1405.7	1813.5	1651.0	1240.3	419.0	318.8	275.7	261.3
53.00	1154.1	1322.8	1523.2	1798.8	1546.0	650.9	309.8	246.0	206.1	176.9
55.00	1126.4	1341.4	1622.4	1770.1	1386.6	428.4	245.7	192.4	156.6	148.2
60.00	1121.5	1436.4	1711.9	1526.0	552.1	192.7	131.6	107.1	108.2	96.2
65.00	752.8	1043.5	1178.1	762.8	210.0	121.8	95.8	72.8	66.8	61.2
70.00	317.5	432.3	502.6	267.2	133.1	107.6	74.8	50.6	55.1	59.9
75.00	229.7	299.7	297.8	156.4	89.1	73.5	50.2	43.2	41.1	44.6
80.00	101.5	132.2	131.1	79.4	57.5	37.9	31.8	28.6	29.4	28.0
85.00	57.2	58.6	53.7	39.9	34.7	24.9	19.8	17.5	17.4	16.0
90.00	48.1	46.1	40.0	31.7	27.2	17.6	12.8	10.1	10.7	9.6

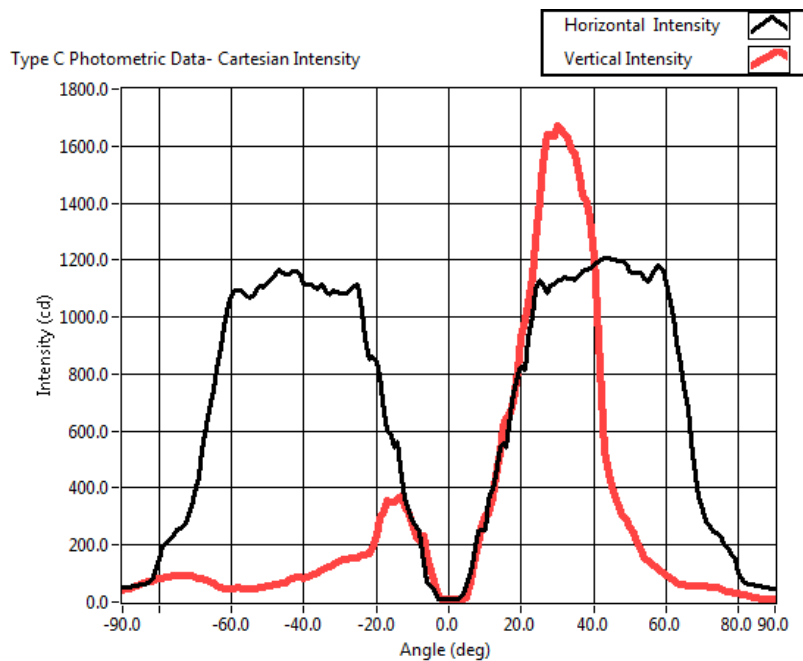
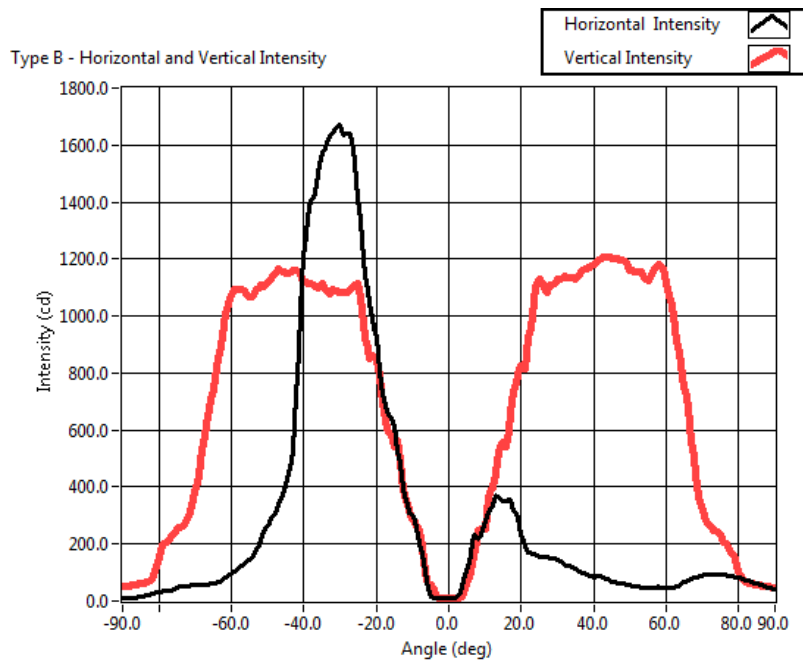
Luminous Intensity Values - House Side

0	90.00	95.00	105.00	115.00	125.00	135.00	145.00	155.00	165.00	175.00	180.00
0.00	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
5.00	17.4	21.3	37.8	51.4	56.3	54.3	36.1	37.6	43.0	67.8	55.3
10.00	302.9	302.4	340.5	322.5	254.8	236.6	328.1	335.1	257.5	259.8	290.7
15.00	613.4	600.3	613.1	559.1	588.1	631.0	567.3	574.6	585.5	553.6	539.4
20.00	927.4	931.1	898.2	902.9	884.5	893.9	809.7	801.3	869.7	805.0	846.0
25.00	1415.2	1353.7	1373.2	1328.7	1212.6	1194.3	1071.4	1055.6	1098.3	1071.4	1112.1
30.00	1673.1	1712.5	1669.9	1640.8	1542.6	1398.1	1263.8	1177.5	1107.1	1119.5	1084.9
35.00	1573.0	1580.3	1580.1	1668.8	1723.7	1650.5	1389.9	1195.7	1155.3	1134.4	1111.7
40.00	1214.0	1268.4	1348.6	1490.8	1628.2	1787.7	1641.3	1283.3	1164.6	1173.3	1121.2
45.00	406.7	413.9	455.0	771.5	1384.8	1673.1	1735.9	1493.3	1256.5	1235.9	1150.8
50.00	263.4	266.3	282.5	325.5	467.6	1377.8	1695.3	1771.8	1318.4	1267.6	1116.9
53.00	178.5	180.0	208.0	249.5	319.4	812.0	1591.9	1841.0	1422.8	1247.2	1092.3
55.00	145.9	145.7	159.0	196.6	262.2	491.0	1516.1	1806.6	1507.3	1253.0	1068.6
60.00	94.9	94.4	106.6	109.7	129.8	210.4	744.6	1615.1	1704.5	1342.7	1070.4
65.00	60.0	61.6	66.8	75.5	98.9	118.0	230.1	925.8	1272.1	1046.3	741.0
70.00	57.4	58.5	53.9	54.0	76.9	111.9	128.2	320.4	616.9	529.0	381.9
75.00	44.8	43.9	40.8	42.9	56.0	80.7	95.1	166.5	320.8	327.8	252.3
80.00	30.3	27.5	27.5	31.0	34.2	42.5	60.1	91.8	176.5	197.2	150.0
85.00	14.3	15.9	17.6	18.0	21.5	27.2	38.3	43.7	60.1	59.8	60.5
90.00	9.7	9.7	10.7	11.0	14.0	18.7	30.4	34.6	42.3	46.4	49.8



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Cartesian Intensity





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Candela Table (cd)

	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
0.0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1.0	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9
2.0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
3.0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4.0	26	17	16	16	18	23	22	24	26	22	19	19	18	13	11
5.0	62	72	63	60	54	47	38	41	61	65	61	49	42	51	38
6.0	102	124	114	80	70	83	109	138	118	105	106	84	81	76	61
7.0	159	158	161	146	135	127	96	98	103	85	84	95	93	94	100
8.0	249	243	228	211	201	182	168	166	124	130	114	116	133	137	132
9.0	251	272	288	281	284	283	243	225	246	187	190	222	256	284	285
10.0	253	267	296	297	348	352	335	324	275	242	259	318	311	356	358
11.0	361	327	330	354	394	368	361	365	391	350	337	413	435	405	375
12.0	398	396	366	360	392	375	381	387	436	487	401	441	378	382	397
13.0	444	482	453	453	439	443	451	488	526	630	499	474	458	403	389
14.0	541	555	553	541	563	515	497	556	614	625	590	516	586	496	504
15.0	559	585	571	660	621	642	569	605	652	626	610	574	590	602	612
16.0	540	595	613	687	656	711	698	647	661	643	634	633	720	678	727
17.0	658	631	671	706	665	747	774	733	725	715	748	761	791	762	707
18.0	732	687	706	732	751	780	821	824	799	791	804	847	856	787	767
19.0	794	790	788	799	802	815	848	837	838	886	847	942	872	829	838
20.0	823	820	902	938	872	862	889	872	912	971	898	910	904	866	958
21.0	814	887	961	970	920	934	936	956	992	1026	976	997	969	922	1041
22.0	922	893	988	988	972	1004	1016	994	999	1052	1002	1106	1083	1059	1088
23.0	1002	985	1038	1001	1004	1045	1050	1029	1034	1095	1040	1143	1158	1168	1181
24.0	1099	1078	1127	1040	1010	1056	1054	1071	1115	1188	1105	1214	1232	1265	1227
25.0	1128	1098	1142	1140	1111	1129	1094	1128	1153	1240	1230	1282	1293	1340	1339
26.0	1114	1103	1167	1155	1145	1143	1127	1207	1198	1251	1263	1359	1315	1385	1469
27.0	1085	1148	1144	1161	1196	1189	1193	1222	1254	1291	1299	1386	1407	1504	1555
28.0	1108	1148	1135	1140	1182	1179	1197	1246	1288	1372	1389	1468	1459	1630	1649
29.0	1112	1138	1138	1155	1174	1196	1195	1250	1333	1429	1457	1585	1557	1656	1679
30.0	1130	1138	1153	1158	1160	1209	1221	1292	1362	1511	1518	1589	1632	1665	1683
31.0	1128	1138	1147	1166	1185	1202	1215	1302	1376	1533	1564	1619	1663	1697	1690
32.0	1140	1144	1156	1173	1180	1231	1219	1316	1402	1561	1614	1679	1692	1713	1692
33.0	1133	1148	1159	1181	1196	1240	1254	1332	1451	1602	1658	1697	1685	1698	1680
34.0	1134	1162	1202	1177	1202	1255	1276	1366	1528	1665	1702	1735	1674	1670	1685
35.0	1132	1181	1187	1183	1205	1248	1282	1421	1559	1725	1725	1735	1664	1629	1653
36.0	1143	1182	1200	1203	1226	1240	1316	1469	1600	1739	1736	1717	1668	1608	1615
37.0	1163	1182	1217	1202	1231	1237	1339	1512	1648	1750	1743	1699	1655	1605	1570
38.0	1167	1175	1210	1186	1238	1252	1375	1555	1675	1743	1714	1648	1653	1557	1516
39.0	1173	1181	1195	1191	1230	1298	1430	1589	1657	1763	1713	1625	1616	1494	1436
40.0	1181	1212	1219	1200	1243	1314	1495	1642	1700	1749	1689	1627	1542	1441	1384
41.0	1192	1256	1228	1210	1243	1349	1572	1668	1715	1739	1669	1574	1487	1363	1280
42.0	1202	1276	1242	1256	1268	1402	1634	1722	1695	1706	1658	1528	1421	1274	1144
43.0	1209	1279	1271	1268	1298	1457	1673	1743	1694	1685	1631	1460	1343	1138	912
44.0	1209	1284	1291	1273	1360	1532	1706	1719	1703	1673	1568	1368	1222	897	657
45.0	1202	1292	1296	1298	1407	1595	1710	1734	1694	1647	1512	1285	995	651	502
46.0	1204	1304	1304	1292	1453	1662	1719	1714	1685	1597	1425	1142	742	498	430
47.0	1197	1309	1313	1326	1524	1706	1725	1708	1646	1539	1314	909	548	427	385
48.0	1198	1317	1325	1365	1581	1737	1713	1694	1607	1464	1156	676	438	383	344
49.0	1187	1329	1330	1385	1635	1771	1715	1670	1561	1385	944	516	387	349	314
50.0	1163	1329	1333	1406	1677	1814	1724	1651	1516	1240	727	419	354	319	291
51.0	1155	1329	1346	1444	1734	1828	1702	1625	1457	1055	561	373	325	291	266
52.0	1156	1325	1353	1483	1758	1797	1658	1597	1367	846	452	340	293	268	241
53.0	1154	1323	1382	1523	1763	1799	1653	1546	1214	651	387	310	266	246	219



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Candela Table (cd)

	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1.0	9	9	9	10	10	10	10	9	9	9	9	9	9	9	9
2.0	9	10	10	10	10	10	10	10	10	10	10	9	9	9	9
3.0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
4.0	11	11	11	11	11	12	12	13	15	15	15	16	15	16	15
5.0	31	24	20	17	21	35	38	48	51	51	56	53	54	46	36
6.0	75	67	74	72	77	71	66	59	65	63	64	60	66	76	72
7.0	126	142	147	135	121	101	93	78	88	88	81	73	83	85	84
8.0	173	184	216	202	197	171	145	139	130	126	106	88	97	119	128
9.0	270	285	296	260	262	277	270	223	194	192	191	196	208	197	224
10.0	308	332	327	303	302	306	340	321	322	310	255	235	237	278	328
11.0	341	332	330	312	329	336	372	360	403	410	336	279	332	318	348
12.0	395	352	387	367	357	356	390	357	380	387	398	445	407	381	362
13.0	427	413	469	437	428	406	411	388	412	469	508	569	515	442	452
14.0	510	511	581	527	561	512	505	454	501	503	531	580	590	517	511
15.0	635	587	643	613	600	633	613	595	559	560	588	602	631	576	567
16.0	690	631	664	646	601	703	686	700	652	652	631	622	609	623	651
17.0	734	677	679	666	633	720	701	753	759	715	710	700	731	693	779
18.0	751	735	750	709	683	750	695	763	792	784	853	797	790	772	793
19.0	761	798	826	809	748	786	761	861	842	844	869	865	850	812	813
20.0	884	904	947	927	931	906	898	903	903	858	884	965	894	861	810
21.0	1031	1060	1026	991	1052	1062	1023	955	951	922	1012	997	940	953	915
22.0	1118	1148	1121	1049	1117	1136	1125	1073	1055	1062	1057	1019	993	1030	971
23.0	1166	1173	1167	1138	1149	1176	1222	1172	1209	1167	1074	1054	1025	1062	1045
24.0	1245	1266	1231	1264	1205	1220	1275	1232	1282	1215	1117	1134	1098	1115	1057
25.0	1348	1443	1370	1415	1354	1338	1373	1298	1329	1277	1213	1251	1194	1160	1071
26.0	1492	1593	1524	1537	1529	1517	1479	1405	1358	1343	1293	1295	1230	1177	1120
27.0	1636	1682	1596	1641	1639	1654	1588	1551	1449	1387	1323	1325	1266	1181	1152
28.0	1701	1685	1613	1641	1677	1707	1613	1662	1519	1480	1392	1364	1272	1241	1200
29.0	1666	1661	1637	1635	1744	1692	1632	1739	1598	1578	1489	1417	1334	1289	1228
30.0	1659	1644	1639	1673	1713	1700	1670	1719	1641	1624	1543	1456	1398	1303	1264
31.0	1666	1623	1611	1659	1666	1697	1660	1683	1669	1658	1600	1529	1427	1333	1260
32.0	1697	1629	1650	1638	1648	1699	1610	1685	1691	1710	1674	1569	1486	1346	1296
33.0	1685	1586	1667	1630	1607	1623	1615	1655	1698	1716	1687	1630	1551	1376	1320
34.0	1620	1581	1646	1585	1630	1606	1596	1652	1675	1727	1718	1678	1600	1432	1359
35.0	1640	1572	1575	1573	1580	1602	1580	1621	1669	1684	1724	1711	1651	1479	1390
36.0	1579	1567	1532	1495	1564	1560	1575	1605	1673	1644	1712	1755	1699	1541	1433
37.0	1528	1500	1488	1430	1513	1512	1520	1574	1649	1624	1697	1738	1744	1600	1478
38.0	1457	1418	1425	1404	1438	1423	1446	1527	1609	1607	1686	1733	1793	1647	1543
39.0	1374	1338	1391	1346	1394	1384	1399	1455	1560	1600	1665	1718	1802	1691	1598
40.0	1306	1260	1266	1214	1268	1284	1349	1391	1491	1547	1628	1709	1788	1706	1641
41.0	1189	1108	1063	1019	1064	1148	1227	1315	1410	1499	1596	1695	1764	1727	1681
42.0	982	845	776	722	775	884	1053	1211	1371	1465	1566	1683	1759	1751	1722
43.0	707	608	565	530	567	626	775	1019	1253	1384	1508	1628	1735	1750	1746
44.0	518	481	470	448	467	483	555	743	1049	1272	1435	1568	1702	1738	1739
45.0	439	423	415	407	414	421	455	548	772	1123	1385	1518	1673	1719	1736
46.0	392	379	368	371	375	379	406	452	573	869	1262	1473	1648	1702	1740
47.0	361	353	336	333	344	344	366	409	458	628	1082	1383	1602	1683	1716
48.0	327	319	310	306	317	317	331	366	399	486	828	1269	1526	1666	1711
49.0	299	293	286	287	294	293	305	333	357	406	614	1103	1462	1623	1708
50.0	276	268	261	263	266	268	283	300	325	363	468	868	1378	1582	1695
51.0	251	244	236	241	240	247	258	271	300	332	393	656	1232	1537	1670
52.0	231	219	208	211	212	224	235	247	275	304	351	502	1035	1479	1638
53.0	206	190	177	179	180	191	208	225	249	275	319	400	812	1397	1592



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Candela Table (cd)

	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0	200.0	205.0	210.0	215.0	220.0
0.0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1.0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2.0	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11
3.0	10	10	10	10	10	11	13	14	19	24	31	28	30	34	34
4.0	13	12	12	12	15	25	40	49	53	52	64	62	54	50	47
5.0	35	38	30	43	68	68	55	56	55	54	54	67	84	70	62
6.0	87	83	111	113	100	86	74	63	70	75	75	75	87	74	70
7.0	114	154	145	134	131	124	140	129	117	104	118	128	144	163	143
8.0	186	191	158	205	200	240	249	193	209	213	183	161	180	174	173
9.0	255	269	258	249	253	248	263	251	293	303	270	220	175	215	211
10.0	304	335	285	258	260	260	291	299	286	328	310	321	339	350	287
11.0	334	321	307	332	293	339	318	333	288	338	316	347	343	443	357
12.0	349	342	362	375	396	387	364	349	349	352	407	399	373	468	419
13.0	428	386	368	461	411	404	432	430	443	413	449	418	390	422	470
14.0	497	479	486	530	525	547	562	502	542	463	460	409	402	417	430
15.0	528	575	578	586	537	554	539	559	598	558	582	481	430	466	452
16.0	686	613	602	617	560	557	585	556	600	592	633	562	522	506	475
17.0	703	666	646	624	616	665	602	595	612	642	629	584	537	532	498
18.0	759	739	674	657	720	687	666	661	699	672	622	625	542	582	529
19.0	780	799	773	750	792	751	795	797	691	683	661	658	572	575	570
20.0	822	801	889	870	854	805	846	873	816	791	679	737	643	596	592
21.0	903	939	929	882	906	816	862	844	832	846	771	755	654	614	560
22.0	988	990	925	909	884	873	852	815	835	853	766	782	674	616	541
23.0	1068	1021	957	936	937	956	923	896	909	832	756	751	686	640	561
24.0	1041	1008	994	974	1065	998	1023	993	937	820	773	740	707	619	534
25.0	1052	1056	1073	1098	1107	1071	1112	1060	993	893	794	737	679	587	514
26.0	1138	1095	1166	1138	1111	1108	1108	1045	1009	877	813	717	643	538	465
27.0	1182	1151	1170	1159	1129	1092	1095	1060	989	873	809	742	629	517	416
28.0	1216	1158	1168	1135	1127	1106	1083	1031	965	857	813	695	588	481	358
29.0	1199	1160	1140	1123	1128	1103	1082	1029	955	853	775	672	545	423	307
30.0	1226	1178	1144	1107	1119	1120	1085	1008	941	846	732	615	503	366	258
31.0	1216	1192	1151	1129	1118	1120	1086	992	958	831	706	587	463	313	226
32.0	1223	1197	1162	1112	1123	1141	1093	1003	933	818	688	537	404	274	210
33.0	1222	1202	1154	1134	1115	1115	1077	1003	910	798	647	489	353	237	203
34.0	1246	1180	1173	1143	1115	1122	1096	996	900	779	614	450	309	212	196
35.0	1260	1196	1169	1155	1116	1134	1112	984	880	745	577	406	271	198	194
36.0	1297	1222	1188	1155	1138	1133	1101	1013	851	712	538	365	240	190	193
37.0	1319	1222	1194	1162	1141	1165	1104	1008	847	686	506	322	212	182	194
38.0	1359	1232	1191	1171	1150	1168	1113	996	828	655	478	293	198	179	196
39.0	1392	1252	1194	1159	1166	1173	1115	985	818	628	445	265	188	178	198
40.0	1441	1283	1210	1165	1177	1173	1121	987	807	600	407	239	183	173	197
41.0	1498	1301	1216	1185	1191	1186	1150	994	803	584	375	217	178	172	198
42.0	1553	1345	1231	1196	1224	1227	1162	1011	797	564	343	202	173	175	199
43.0	1593	1394	1250	1217	1244	1239	1161	1009	789	546	313	191	166	177	201
44.0	1645	1449	1289	1237	1278	1247	1151	1009	775	517	289	185	164	181	200
45.0	1685	1493	1321	1257	1259	1236	1151	966	750	493	268	181	159	184	200
46.0	1715	1567	1353	1251	1278	1252	1155	967	722	456	249	179	156	183	200
47.0	1744	1624	1387	1278	1303	1262	1165	963	708	432	229	175	153	182	197
48.0	1743	1673	1468	1287	1285	1260	1148	944	688	405	217	172	152	179	193
49.0	1743	1732	1520	1292	1281	1271	1127	931	668	373	206	169	152	174	186
50.0	1737	1772	1562	1318	1287	1268	1117	914	647	347	197	166	150	165	172
51.0	1718	1797	1625	1339	1278	1251	1103	892	615	320	190	163	149	156	154
52.0	1699	1824	1683	1381	1285	1246	1109	883	590	296	184	159	146	151	137
53.0	1700	1841	1720	1423	1295	1247	1092	873	563	272	176	155	143	151	128



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Candela Table (cd)

	225.0	230.0	235.0	240.0	245.0	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1.0	9	9	9	9	9	9	9	9	9	9	8	9	8	8	8
2.0	11	11	11	11	10	10	10	10	10	9	10	10	10	10	10
3.0	34	34	34	37	31	32	30	20	18	21	31	36	38	38	38
4.0	46	48	50	51	57	66	73	87	74	71	62	60	64	57	53
5.0	64	68	65	69	82	87	92	98	120	109	95	103	87	75	64
6.0	80	80	110	151	145	167	162	129	143	164	149	162	132	150	114
7.0	143	150	149	168	176	215	224	204	190	234	215	188	166	167	174
8.0	203	237	196	210	204	228	215	217	176	218	203	200	196	220	194
9.0	257	218	222	236	198	233	260	240	206	229	247	205	219	224	218
10.0	253	244	243	256	184	222	251	275	255	278	238	223	243	209	255
11.0	337	282	262	261	197	193	278	311	250	309	273	244	233	214	252
12.0	400	361	321	316	252	240	333	360	326	334	302	312	294	270	313
13.0	430	398	312	310	307	276	321	378	353	370	306	295	292	326	345
14.0	417	470	371	385	328	321	284	367	350	359	303	305	311	324	432
15.0	474	464	502	407	328	302	277	371	303	350	289	294	314	339	364
16.0	493	466	489	402	324	275	272	341	319	350	301	295	320	348	375
17.0	478	471	534	401	362	277	256	306	330	357	279	272	303	358	432
18.0	464	458	479	424	361	325	260	308	320	318	278	281	309	332	422
19.0	467	431	441	424	356	310	257	264	289	293	240	267	290	316	388
20.0	463	440	440	389	340	285	222	238	240	230	211	225	254	314	357
21.0	435	415	407	346	298	236	195	186	198	192	168	178	206	292	304
22.0	431	402	342	287	242	196	160	150	171	171	143	148	184	240	257
23.0	453	363	296	234	204	168	151	140	165	166	153	141	162	198	218
24.0	426	324	248	201	185	169	153	134	162	164	147	148	169	187	198
25.0	376	277	214	184	179	177	149	129	157	154	141	145	180	180	190
26.0	325	247	203	193	179	174	146	127	151	154	133	146	176	179	190
27.0	284	230	204	198	179	169	145	128	144	157	132	143	172	175	193
28.0	244	219	207	199	181	164	148	130	140	151	128	144	171	173	195
29.0	223	224	212	197	176	160	148	132	145	151	127	145	169	173	190
30.0	221	223	213	190	173	159	154	132	145	147	122	148	165	171	187
31.0	221	225	211	185	170	161	154	125	140	140	118	145	160	167	178
32.0	222	223	204	189	168	158	149	119	133	129	109	139	151	160	175
33.0	220	216	204	190	164	151	136	112	125	123	105	132	140	150	170
34.0	216	209	199	187	157	141	129	107	114	121	99	123	132	137	162
35.0	213	204	199	180	153	133	123	100	104	114	92	117	124	126	152
36.0	208	207	197	170	144	125	111	94	95	105	88	109	117	118	138
37.0	205	207	189	158	137	115	103	87	90	100	84	103	110	112	132
38.0	207	208	183	149	127	105	98	83	85	93	82	96	104	106	127
39.0	208	205	171	143	118	99	95	79	80	88	77	89	97	106	122
40.0	207	199	163	134	110	95	92	75	75	84	73	83	88	102	116
41.0	209	194	158	127	104	90	88	74	74	86	75	82	83	94	112
42.0	209	186	152	121	98	86	87	75	74	86	77	86	81	87	103
43.0	208	175	144	115	94	84	85	73	72	82	75	86	85	83	96
44.0	201	172	139	109	92	82	80	69	68	76	70	80	86	84	91
45.0	195	165	132	103	90	78	76	66	62	69	65	74	80	84	88
46.0	184	157	124	98	86	75	71	62	59	65	62	70	74	81	88
47.0	175	148	114	94	80	71	67	60	57	62	60	67	68	74	88
48.0	169	137	106	90	76	67	64	58	56	62	58	65	64	67	85
49.0	160	128	99	84	72	65	62	56	54	59	56	63	61	63	78
50.0	153	118	93	79	69	64	59	53	51	55	53	60	59	61	70
51.0	143	108	87	74	66	61	55	50	49	53	52	57	56	59	66
52.0	129	97	81	70	63	58	53	49	47	51	50	55	53	56	62
53.0	116	89	75	66	60	55	51	48	45	48	48	53	51	53	59



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Candela Table (cd)

	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0	360.0
0.0	9	9	9	9	9	9	9	9	9	9	9	9	9
1.0	8	8	8	8	8	8	8	8	8	8	8	8	8
2.0	11	10	10	11	10	10	10	9	9	9	9	9	9
3.0	39	40	39	39	38	33	33	29	27	19	14	12	10
4.0	55	60	54	53	62	51	53	48	49	45	44	36	27
5.0	71	71	66	61	78	74	71	62	60	65	79	81	77
6.0	90	85	83	88	79	83	77	76	88	123	134	122	129
7.0	191	151	148	162	173	149	145	148	159	179	156	160	170
8.0	213	214	180	195	206	203	235	241	251	256	253	250	254
9.0	210	236	268	239	244	279	309	301	322	321	310	266	249
10.0	238	259	271	375	348	335	323	318	319	320	292	307	261
11.0	293	314	356	444	382	397	314	300	315	329	311	334	366
12.0	372	372	423	435	399	415	409	399	381	358	392	411	418
13.0	345	408	431	405	409	397	419	436	435	455	491	480	469
14.0	418	453	401	378	417	414	442	477	540	571	570	566	525
15.0	499	438	422	445	454	454	506	586	560	571	587	605	546
16.0	461	450	456	471	488	544	621	632	588	563	609	598	559
17.0	429	422	432	472	529	572	649	625	641	624	612	673	666
18.0	418	402	440	548	581	583	644	638	677	686	691	737	747
19.0	387	396	434	531	572	621	642	631	699	773	798	821	797
20.0	394	397	457	528	595	660	672	698	741	806	826	925	822
21.0	366	380	462	505	597	643	731	767	796	799	866	892	834
22.0	300	360	441	504	600	664	729	761	789	821	840	894	925
23.0	252	321	426	522	598	651	720	743	792	835	912	1000	1014
24.0	221	287	382	496	577	650	715	760	825	924	997	1078	1105
25.0	204	253	335	453	539	623	688	766	860	956	1005	1106	1121
26.0	210	236	294	403	505	592	693	780	869	946	998	1102	1111
27.0	212	232	266	350	450	555	653	749	812	910	998	1106	1083
28.0	213	233	243	299	392	512	619	715	808	911	992	1090	1106
29.0	210	233	241	261	336	455	565	671	794	886	982	1081	1112
30.0	207	230	239	236	288	401	529	639	756	870	986	1037	1127
31.0	203	226	240	228	251	348	477	607	737	857	955	1021	1131
32.0	198	220	233	226	225	303	429	562	698	840	984	1054	1139
33.0	193	212	222	223	212	260	380	521	663	825	961	1076	1129
34.0	189	208	216	220	206	226	326	485	641	804	962	1077	1129
35.0	184	205	214	217	201	206	288	445	616	788	949	1077	1130
36.0	174	201	217	215	202	196	254	410	584	778	942	1064	1143
37.0	160	197	212	213	202	189	231	369	557	738	916	1047	1158
38.0	149	187	211	209	203	184	209	337	521	726	902	1040	1166
39.0	141	179	206	209	204	181	198	297	499	712	876	1039	1170
40.0	134	167	204	210	207	178	189	266	458	683	887	1051	1181
41.0	130	157	198	210	205	181	183	242	430	662	897	1060	1191
42.0	126	149	188	209	203	186	175	221	397	641	882	1057	1199
43.0	122	142	175	207	201	188	170	207	365	615	861	1052	1206
44.0	115	134	163	199	201	189	165	196	336	583	841	1054	1203
45.0	107	126	153	192	197	188	159	190	304	550	825	1033	1199
46.0	99	119	138	182	193	186	159	185	276	521	804	1038	1201
47.0	94	113	128	169	190	181	161	180	252	499	787	1026	1191
48.0	92	105	119	155	184	175	163	175	233	469	757	1005	1194
49.0	91	98	114	143	175	167	162	171	218	430	734	1000	1180
50.0	88	92	108	129	163	160	159	168	205	396	716	974	1156
51.0	83	88	101	116	149	154	155	163	194	362	694	962	1150
52.0	76	87	95	106	135	153	149	157	186	331	674	956	1150
53.0	68	84	88	99	127	153	145	154	178	297	653	945	1148



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Candela Table (cd)

	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
54.0	1135	1328	1406	1580	1770	1790	1646	1481	1049	520	343	280	240	221	192
55.0	1126	1341	1439	1622	1782	1770	1595	1387	845	428	300	246	213	192	170
56.0	1143	1350	1484	1658	1766	1754	1560	1276	659	364	260	211	181	168	155
57.0	1172	1373	1545	1714	1735	1726	1523	1121	517	312	222	178	154	149	143
58.0	1183	1415	1623	1748	1685	1678	1461	911	423	273	191	154	137	132	130
59.0	1165	1462	1706	1753	1643	1622	1372	716	350	235	162	141	128	118	117
60.0	1122	1436	1742	1712	1574	1526	1229	552	294	193	142	132	119	107	106
61.0	1070	1378	1727	1630	1447	1395	1039	431	251	157	131	124	110	99	95
62.0	1002	1308	1672	1530	1313	1231	821	348	210	136	125	114	102	92	86
63.0	915	1213	1571	1440	1194	1067	632	286	175	130	123	107	95	85	77
64.0	830	1131	1431	1309	1071	903	496	243	150	125	117	99	89	78	69
65.0	753	1044	1276	1178	932	763	398	210	135	122	112	96	85	73	65
66.0	678	942	1129	1050	808	620	328	182	126	119	107	91	80	67	60
67.0	564	817	987	934	700	499	276	163	122	117	101	86	76	63	56
68.0	442	634	803	815	603	402	235	147	121	114	97	82	71	58	53
69.0	373	511	617	647	477	325	206	138	124	111	92	77	67	54	52
70.0	318	432	507	503	367	267	183	133	122	108	87	75	62	51	50
71.0	284	379	440	414	293	227	165	130	117	104	84	71	57	49	49
72.0	263	343	391	362	254	204	149	123	111	99	81	67	53	48	47
73.0	249	323	368	334	233	187	128	113	104	91	76	62	48	46	45
74.0	242	314	355	312	218	170	110	101	93	84	70	56	44	45	43
75.0	230	300	344	298	213	156	94	89	83	74	63	50	41	43	40
76.0	209	279	325	278	208	147	85	78	75	64	56	45	39	40	38
77.0	188	252	301	252	187	138	79	72	67	53	50	41	38	38	36
78.0	170	224	271	223	166	127	73	65	58	45	44	37	37	36	37
79.0	151	197	234	189	133	113	70	61	51	41	39	34	35	32	35
80.0	102	132	180	131	83	79	64	58	46	38	36	32	33	29	29
81.0	79	93	105	91	65	60	56	48	40	35	33	30	30	26	26
82.0	67	71	73	70	57	50	52	45	37	32	31	27	27	24	24
83.0	62	63	66	64	54	46	47	41	34	29	28	24	26	23	21
84.0	60	61	62	60	48	43	44	38	32	27	26	22	21	20	19
85.0	57	59	57	54	44	40	41	35	29	25	23	20	19	17	16
86.0	55	55	54	49	42	38	38	33	27	23	21	18	17	16	15
87.0	51	51	50	45	40	36	37	30	25	21	20	16	15	14	13
88.0	50	48	48	43	39	34	35	30	24	20	18	15	13	12	12
89.0	48	47	47	42	37	32	33	28	22	19	16	14	12	11	11
90.0	48	46	45	40	37	32	32	27	20	18	15	13	11	10	10
91.0	47	47	46	41	35	31	31	26	20	16	13	11	10	9	9
92.0	47	47	46	41	36	32	31	26	20	16	13	11	10	9	9
93.0	47	47	48	41	36	33	31	26	20	15	13	11	10	9	8
94.0	48	47	47	42	35	32	31	26	20	15	12	11	10	9	8
95.0	48	48	47	42	36	33	31	26	20	16	12	11	9	9	8
96.0	50	48	48	42	35	31	30	26	20	15	12	10	9	9	8
97.0	49	48	47	43	36	32	32	26	19	15	12	10	9	9	8
98.0	50	48	48	44	37	33	31	25	19	15	11	10	9	9	8
99.0	48	48	48	43	37	32	31	24	18	14	11	10	9	8	8
100.0	49	48	47	43	37	33	31	24	19	15	11	10	9	8	8
101.0	48	49	49	44	38	33	32	24	19	15	12	10	9	8	8
102.0	50	50	50	44	40	33	33	24	20	15	12	9	9	8	8
103.0	51	49	49	45	40	33	30	21	19	14	11	9	9	9	9
104.0	41	42	42	38	34	27	24	20	19	14	11	9	9	9	9
105.0	36	35	35	32	29	23	20	15	16	13	10	8	8	8	8
106.0	29	27	27	25	23	19	17	14	15	12	10	8	7	8	8
107.0	20	21	19	18	18	15	13	12	13	10	9	7	7	7	7



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Candela Table (cd)

	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
54.0	177	165	159	157	158	164	179	197	223	247	292	350	623	1245	1543
55.0	157	149	148	146	146	148	159	170	197	222	262	313	491	1045	1516
56.0	144	136	137	137	134	139	146	157	174	194	229	277	395	841	1447
57.0	133	127	125	124	124	129	133	147	157	161	190	239	332	662	1322
58.0	123	118	116	113	114	119	122	136	138	141	159	203	287	513	1153
59.0	115	109	106	104	104	110	114	122	121	132	140	173	252	403	952
60.0	108	100	96	95	94	102	107	108	110	122	130	144	210	321	745
61.0	99	91	87	86	86	93	98	96	102	113	123	128	170	269	572
62.0	89	83	78	78	78	84	89	87	95	104	115	122	143	233	438
63.0	81	75	71	69	70	77	81	80	87	97	109	120	127	197	337
64.0	73	68	65	64	65	70	73	72	79	92	103	116	121	159	273
65.0	67	63	61	60	62	64	67	67	75	88	99	112	118	138	230
66.0	62	60	59	59	60	62	63	63	71	82	94	109	119	125	199
67.0	58	58	59	59	59	59	59	59	66	77	89	105	116	117	173
68.0	58	59	60	59	59	59	58	55	62	73	85	101	116	113	150
69.0	57	57	60	58	58	58	56	52	58	68	80	96	114	114	137
70.0	55	57	60	57	58	57	54	50	54	65	77	93	112	117	128
71.0	53	56	58	54	57	56	52	49	51	61	74	89	108	116	120
72.0	50	58	53	51	53	59	50	48	50	56	70	86	103	113	117
73.0	46	51	53	50	51	53	45	45	47	51	65	81	94	108	111
74.0	43	47	51	50	49	49	43	44	45	47	62	75	87	100	104
75.0	41	44	45	45	44	44	41	42	43	44	56	69	81	90	95
76.0	39	40	41	39	40	39	38	40	41	41	50	62	73	81	85
77.0	38	36	38	37	38	34	35	37	39	40	45	55	63	73	77
78.0	37	33	34	36	33	32	33	34	37	39	40	49	53	64	70
79.0	33	30	31	33	30	30	30	32	34	38	37	44	47	55	65
80.0	29	27	28	30	28	26	27	29	31	36	34	40	43	49	60
81.0	28	26	27	28	25	25	26	26	28	34	32	37	40	44	53
82.0	26	25	25	23	24	24	25	24	26	32	30	35	35	38	48
83.0	22	21	21	20	21	21	22	21	24	29	27	32	32	35	44
84.0	20	18	18	17	18	18	19	19	21	24	24	28	30	33	41
85.0	17	15	16	14	16	15	18	17	18	20	22	25	27	31	38
86.0	16	13	14	13	14	13	16	15	16	18	20	23	25	29	36
87.0	14	12	12	12	12	12	14	13	15	16	18	21	23	27	34
88.0	13	11	11	11	11	11	13	12	13	14	17	20	22	26	33
89.0	12	10	10	10	10	10	12	11	12	13	15	18	20	24	33
90.0	11	10	10	10	10	10	11	11	11	12	14	16	19	23	30
91.0	9	9	9	9	9	8	9	9	10	11	12	14	17	21	29
92.0	9	8	8	9	9	8	9	9	10	11	12	13	17	21	28
93.0	8	8	8	8	8	8	9	9	9	10	11	13	16	20	27
94.0	8	8	8	8	8	8	8	9	9	10	11	13	16	20	28
95.0	8	8	8	8	8	8	8	9	9	10	11	13	16	20	27
96.0	8	8	8	8	8	8	8	8	9	10	11	13	16	19	27
97.0	8	8	8	8	8	8	8	8	9	10	11	13	16	20	26
98.0	8	8	7	8	8	8	8	8	9	10	11	13	15	19	27
99.0	8	8	7	8	7	8	8	8	9	9	10	12	15	20	27
100.0	8	8	7	8	7	7	8	8	9	9	11	12	15	19	26
101.0	8	8	7	8	7	8	8	8	8	9	11	12	16	20	28
102.0	8	8	8	8	8	8	8	8	9	9	11	12	16	20	27
103.0	8	8	8	8	8	8	8	9	9	9	11	12	15	20	27
104.0	8	8	8	8	8	8	8	9	9	9	11	12	14	18	23
105.0	8	8	7	7	7	8	8	9	9	9	10	11	14	17	22
106.0	7	7	7	6	7	7	7	9	8	8	9	10	13	15	18
107.0	7	7	6	6	6	7	7	9	8	7	8	9	11	13	15



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Candela Table (cd)

	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0	200.0	205.0	210.0	215.0	220.0
54.0	1711	1832	1730	1460	1305	1249	1072	853	542	251	170	151	140	151	123
55.0	1700	1807	1751	1507	1314	1253	1069	838	525	231	163	147	137	151	121
56.0	1673	1779	1747	1555	1341	1265	1080	840	503	217	159	142	134	150	119
57.0	1637	1749	1747	1616	1392	1286	1091	840	472	205	158	140	132	147	116
58.0	1578	1726	1745	1662	1445	1309	1093	833	445	195	154	136	130	145	111
59.0	1516	1673	1714	1704	1534	1340	1093	818	409	183	151	137	133	141	105
60.0	1415	1615	1664	1704	1637	1343	1070	781	370	171	147	137	135	133	99
61.0	1269	1529	1569	1669	1660	1322	1039	729	326	157	141	135	138	125	92
62.0	1065	1401	1448	1598	1635	1263	968	678	282	146	136	133	143	121	90
63.0	832	1255	1310	1503	1546	1191	890	611	243	135	129	132	146	120	91
64.0	649	1091	1192	1385	1446	1124	815	548	211	129	129	135	147	115	88
65.0	512	926	1088	1272	1329	1046	741	493	187	126	128	135	144	113	91
66.0	407	774	945	1133	1183	952	676	442	165	122	126	134	141	111	90
67.0	331	638	814	1010	1065	865	618	401	150	119	125	138	139	110	91
68.0	273	516	700	890	928	750	533	350	141	117	124	137	134	107	89
69.0	230	410	584	765	769	626	440	303	132	109	120	139	135	105	90
70.0	199	320	478	617	636	529	382	270	123	105	116	140	133	104	93
71.0	172	263	387	499	538	458	333	215	110	101	113	136	128	104	95
72.0	150	225	321	414	458	393	286	156	95	98	110	134	126	104	95
73.0	134	200	276	364	401	349	267	133	90	96	109	130	123	104	95
74.0	119	181	253	331	374	333	260	123	89	94	106	125	119	102	97
75.0	103	167	237	321	363	328	252	113	88	92	104	119	113	99	97
76.0	91	150	231	310	348	310	235	102	86	90	101	115	106	97	95
77.0	83	135	214	283	318	295	214	95	83	87	98	110	103	95	94
78.0	78	125	193	259	292	278	205	84	79	85	94	106	99	95	95
79.0	72	115	171	236	272	252	198	77	76	80	90	102	96	93	93
80.0	66	92	115	177	232	197	150	74	77	78	87	99	93	90	91
81.0	58	70	82	122	143	124	101	74	82	78	84	95	92	88	91
82.0	54	57	67	88	96	88	79	71	78	75	81	94	91	86	89
83.0	48	52	61	72	72	68	69	70	77	74	80	91	87	84	87
84.0	45	48	59	68	66	62	63	69	75	73	77	87	86	83	87
85.0	42	44	52	60	58	60	60	63	68	71	75	83	83	83	84
86.0	40	40	46	52	55	57	58	62	65	67	71	80	83	82	83
87.0	38	39	43	47	50	53	56	59	62	66	68	78	81	80	81
88.0	36	37	41	44	47	50	53	58	61	65	66	75	79	77	78
89.0	34	36	40	43	47	48	51	56	59	63	65	73	77	78	77
90.0	32	35	38	42	45	46	50	55	58	62	62	69	71	71	72
91.0	31	33	38	41	45	46	50	55	57	60	61	67	69	70	70
92.0	31	34	37	39	45	46	50	54	57	60	60	65	68	70	71
93.0	30	33	38	41	46	47	50	55	57	61	61	66	70	70	68
94.0	30	34	37	42	47	47	51	55	57	60	60	67	70	69	68
95.0	31	34	37	42	48	48	52	55	56	60	61	67	70	68	67
96.0	31	35	38	43	48	49	52	54	58	61	60	66	70	69	70
97.0	31	34	37	44	49	49	52	55	59	60	60	66	70	70	70
98.0	32	35	39	45	49	48	52	56	58	60	58	66	71	67	70
99.0	31	35	37	46	50	49	51	55	59	60	60	66	72	67	70
100.0	32	34	38	47	51	50	52	56	59	59	58	66	70	67	70
101.0	31	34	37	47	51	50	52	56	59	58	59	66	70	66	68
102.0	32	35	40	47	50	49	53	56	59	59	60	64	70	66	65
103.0	31	35	42	48	51	51	52	57	60	59	60	62	61	54	53
104.0	25	33	40	45	48	47	49	51	53	51	50	51	51	50	47
105.0	23	28	33	37	40	40	40	40	45	45	44	43	40	38	36
106.0	18	22	27	29	32	32	30	27	36	36	36	35	33	31	27
107.0	15	20	23	23	24	25	20	16	27	28	28	25	24	23	20



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Candela Table (cd)

	225.0	230.0	235.0	240.0	245.0	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
54.0	105	82	70	63	58	53	49	47	44	48	47	52	49	52	57
55.0	97	76	66	60	56	52	49	47	44	48	47	51	48	51	55
56.0	90	71	61	58	54	51	48	47	43	48	47	51	47	50	53
57.0	84	66	58	56	53	50	48	46	43	49	46	51	46	50	52
58.0	80	63	56	54	51	48	47	46	43	49	45	50	47	48	51
59.0	75	61	54	52	50	47	45	45	43	49	45	50	46	47	51
60.0	71	59	52	50	50	46	44	44	42	48	44	49	45	46	51
61.0	68	57	51	49	49	45	43	43	42	48	43	47	43	45	51
62.0	69	58	52	49	47	43	42	42	41	48	42	46	42	45	52
63.0	70	61	56	53	49	46	43	42	41	50	43	47	46	50	57
64.0	70	60	59	59	54	52	49	48	49	58	51	55	53	56	61
65.0	75	64	63	61	56	56	54	52	56	66	57	59	54	58	63
66.0	76	65	65	65	60	59	58	59	61	71	62	63	60	64	68
67.0	77	68	69	67	65	66	63	67	69	78	70	69	66	70	70
68.0	77	71	71	69	68	68	66	73	75	84	76	72	68	71	72
69.0	79	74	76	73	72	72	70	76	73	84	80	76	72	74	76
70.0	82	76	78	77	75	76	75	81	73	88	84	81	75	79	79
71.0	86	80	80	81	77	75	78	85	72	93	88	82	76	80	82
72.0	89	84	84	84	82	80	79	86	71	94	91	83	80	85	84
73.0	92	89	87	88	86	83	81	89	74	95	93	83	83	87	86
74.0	93	92	88	88	87	83	81	88	75	92	91	81	82	89	85
75.0	94	91	89	90	86	81	78	84	78	91	90	77	80	87	84
76.0	94	91	91	88	84	79	77	79	82	91	86	74	78	84	87
77.0	94	89	89	86	83	78	76	77	82	89	83	73	75	82	86
78.0	93	89	87	86	82	80	74	74	81	86	79	71	75	81	85
79.0	90	88	85	85	80	78	71	72	79	85	77	70	74	79	83
80.0	90	87	84	85	78	75	66	68	76	82	75	68	72	74	78
81.0	89	85	82	83	76	72	62	64	70	79	71	67	68	71	79
82.0	87	84	80	80	73	68	60	62	69	74	68	64	65	68	77
83.0	85	81	80	76	71	66	58	60	68	71	65	62	61	65	75
84.0	84	80	77	76	69	62	55	57	65	66	61	59	57	61	72
85.0	82	78	73	71	69	60	53	52	61	62	57	53	53	56	68
86.0	83	76	71	69	66	56	50	46	57	57	52	49	50	52	65
87.0	80	74	69	66	63	51	47	37	52	54	49	46	46	51	60
88.0	76	70	66	64	59	47	43	35	46	48	46	41	41	49	55
89.0	75	68	63	60	54	42	38	30	41	45	41	37	37	45	49
90.0	71	66	61	55	49	38	32	27	37	41	36	35	35	43	46
91.0	69	64	60	53	46	37	28	26	33	36	35	32	30	40	45
92.0	66	66	57	51	45	36	26	25	31	31	32	30	27	37	44
93.0	66	64	55	49	43	32	26	24	29	28	29	27	25	34	45
94.0	65	64	52	48	41	28	26	23	25	27	26	25	24	32	43
95.0	63	62	49	45	41	26	25	22	23	26	24	23	23	31	42
96.0	65	60	49	44	39	24	24	22	21	24	23	22	23	29	39
97.0	65	56	48	43	36	22	23	20	20	23	22	21	22	27	37
98.0	62	53	48	42	35	20	21	20	19	20	20	20	21	26	34
99.0	63	52	47	42	33	20	20	19	18	19	19	19	19	25	33
100.0	64	51	47	40	33	20	21	18	17	18	18	18	18	24	32
101.0	63	50	46	39	32	20	20	17	16	16	17	18	17	23	31
102.0	56	49	43	36	31	19	18	16	16	16	16	18	16	22	30
103.0	48	47	40	33	28	16	15	15	14	15	14	16	15	20	27
104.0	40	35	34	29	26	14	12	14	11	13	12	14	12	17	23
105.0	33	31	27	22	19	13	10	10	9	10	10	10	10	14	18
106.0	25	23	22	17	14	10	9	9	8	9	9	9	9	10	12
107.0	17	15	14	11	10	9	9	8	8	8	8	9	9	9	9



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Candela Table (cd)

	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0	360.0
54.0	63	80	83	94	122	150	140	151	170	272	624	931	1127
55.0	59	74	79	89	116	148	139	147	162	244	594	918	1121
56.0	56	66	77	86	109	146	139	141	157	225	568	934	1141
57.0	55	60	75	84	104	142	137	136	154	208	534	940	1170
58.0	54	57	73	81	97	136	136	132	153	194	493	926	1176
59.0	53	56	69	78	93	130	133	132	151	182	442	883	1154
60.0	53	55	65	75	89	123	134	132	146	170	385	827	1111
61.0	53	54	62	73	87	117	137	130	140	157	327	757	1059
62.0	56	58	65	76	90	115	141	130	131	147	273	680	989
63.0	61	59	63	75	88	112	144	132	127	137	229	607	901
64.0	64	62	66	77	90	110	146	137	127	133	199	538	815
65.0	66	65	68	80	93	109	142	135	125	127	176	477	740
66.0	69	68	71	81	91	107	139	136	123	122	155	418	665
67.0	70	69	72	80	90	106	134	136	122	117	144	354	548
68.0	73	72	74	80	88	103	133	138	121	111	135	293	431
69.0	76	76	77	82	91	105	132	138	115	105	127	253	363
70.0	80	77	81	86	91	104	129	138	111	101	116	213	311
71.0	83	81	86	91	93	104	125	135	107	95	99	166	280
72.0	86	85	90	92	94	103	123	131	104	93	90	138	260
73.0	88	88	93	94	94	102	119	127	104	92	89	127	248
74.0	88	92	94	95	95	98	112	121	102	91	89	116	240
75.0	87	92	93	96	94	96	105	113	99	90	86	105	227
76.0	87	89	93	96	93	94	101	107	96	88	82	96	206
77.0	87	88	91	95	92	92	99	102	91	86	79	87	186
78.0	87	87	91	92	91	90	95	99	88	82	77	76	167
79.0	85	86	91	90	91	90	94	95	85	78	75	72	144
80.0	82	84	89	89	90	88	92	92	82	78	79	69	96
81.0	81	84	86	87	88	86	91	89	80	78	79	67	76
82.0	80	83	85	86	86	84	89	88	80	76	78	64	66
83.0	78	79	81	83	83	83	85	85	77	72	71	62	61
84.0	74	77	79	81	81	83	83	82	75	69	65	59	59
85.0	71	74	77	80	78	82	82	79	72	67	62	57	57
86.0	68	72	76	79	76	81	81	76	69	65	60	57	54
87.0	63	69	73	77	74	78	79	74	67	65	59	55	50
88.0	59	66	69	75	74	76	78	73	65	63	59	54	50
89.0	55	62	66	72	72	72	74	69	63	62	58	52	48
90.0	53	60	63	68	69	68	68	65	60	57	57	52	48
91.0	50	56	64	67	68	69	67	62	59	58	56	52	47
92.0	48	53	63	64	66	69	69	64	60	58	55	53	47
93.0	47	50	62	64	64	68	66	62	59	58	57	54	46
94.0	46	48	60	66	64	67	67	63	59	58	55	55	48
95.0	47	47	57	63	63	67	68	62	59	58	57	54	47
96.0	45	47	55	63	65	67	68	64	57	59	57	55	50
97.0	43	47	50	62	66	67	67	65	55	57	56	55	49
98.0	41	46	50	60	65	66	66	65	57	58	57	54	50
99.0	41	46	48	60	65	66	67	66	55	59	57	55	48
100.0	39	45	49	60	64	65	63	64	55	60	58	57	49
101.0	38	44	47	57	65	65	66	66	57	56	57	56	48
102.0	35	43	44	47	53	58	63	66	58	56	57	55	49
103.0	31	36	39	43	47	50	51	53	51	52	54	55	51
104.0	26	31	32	34	37	42	44	45	46	44	46	44	41
105.0	20	23	25	29	30	33	34	35	36	37	38	36	35
106.0	14	17	20	20	22	25	26	28	28	29	32	30	29
107.0	10	12	12	12	14	16	18	20	21	22	22	21	19



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Candela Table (cd)

	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
108.0	11	13	13	13	12	11	10	9	10	9	8	7	6	7	7
109.0	9	9	9	10	10	9	8	8	10	8	8	7	6	6	7
110.0	10	9	9	10	10	9	8	8	10	8	8	7	7	7	7
111.0	10	10	10	10	10	9	8	9	11	9	9	7	7	7	7
112.0	10	10	10	11	11	9	9	9	11	10	9	8	7	8	8
113.0	10	10	10	11	11	10	9	9	11	10	10	8	8	8	8
114.0	10	10	10	11	11	10	9	9	11	10	10	8	8	8	9
115.0	10	10	10	11	11	10	9	10	12	11	10	9	8	8	9
116.0	10	9	10	10	11	10	9	9	11	11	10	9	8	8	9
117.0	9	9	9	10	11	10	9	9	11	10	10	9	8	8	9
118.0	9	8	9	10	11	10	9	9	11	10	10	10	8	8	9
119.0	8	7	8	10	11	9	9	9	11	10	10	9	8	8	9
120.0	8	7	7	9	10	9	9	9	11	10	10	9	8	8	9
121.0	8	7	7	7	8	9	8	9	10	10	10	9	8	8	9
122.0	7	7	7	6	7	8	8	8	9	9	9	8	8	8	8
123.0	5	6	7	6	6	7	7	7	8	8	8	8	7	7	7
124.0	5	5	6	6	6	6	6	6	7	7	7	7	6	6	6
125.0	4	4	5	5	5	5	5	6	6	6	6	6	6	6	6
126.0	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
127.0	4	3	4	4	5	5	5	5	5	5	5	5	5	5	5
128.0	4	3	3	4	4	4	4	4	4	5	5	5	5	5	5
129.0	4	3	3	3	4	4	4	4	4	4	4	5	4	4	5
130.0	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4
131.0	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4
132.0	4	3	3	3	3	3	3	3	3	3	4	4	3	3	4
133.0	4	3	3	3	3	3	3	3	3	3	3	3	2	3	4
134.0	4	3	3	2	2	3	3	3	3	3	3	3	2	2	3
135.0	4	3	2	2	2	2	3	3	3	3	3	2	2	2	3
136.0	3	3	2	2	2	2	2	2	3	3	3	2	1	2	2
137.0	3	3	2	2	2	2	2	2	2	2	2	2	1	1	2
138.0	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2
139.0	3	2	2	2	1	1	2	2	2	2	2	1	1	1	2
140.0	3	2	2	1	1	1	1	2	2	2	2	1	1	1	2
141.0	2	2	2	1	1	1	1	1	2	2	2	1	1	1	1
142.0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
143.0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
144.0	2	2	1	1	1	1	1	1	1	1	1	1	0	1	1
145.0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
146.0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
147.0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
148.0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
149.0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
150.0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
151.0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
152.0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
153.0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
154.0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
155.0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
156.0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
157.0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
158.0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
159.0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
160.0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
161.0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0



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Candela Table (cd)

	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
108.0	6	6	6	6	6	6	6	8	7	6	8	8	9	11	13
109.0	6	7	6	5	6	6	6	8	7	6	8	8	8	9	10
110.0	6	7	6	5	6	6	6	8	7	7	8	8	8	9	10
111.0	6	7	6	6	6	6	6	9	7	7	9	8	9	10	11
112.0	7	7	6	6	6	6	7	9	8	8	9	9	9	10	11
113.0	7	7	7	6	6	7	7	10	8	8	9	9	10	11	12
114.0	8	7	7	6	7	7	7	10	8	8	10	9	10	11	12
115.0	8	7	7	6	7	7	8	11	8	8	10	10	10	11	12
116.0	8	7	7	7	7	7	8	11	8	8	9	10	10	11	12
117.0	8	7	7	7	7	7	8	11	8	7	9	10	10	11	12
118.0	8	7	7	7	7	7	8	11	7	6	9	10	10	11	13
119.0	8	7	7	7	7	7	8	8	6	6	10	10	10	11	12
120.0	8	7	7	7	7	7	7	7	6	7	10	10	10	10	13
121.0	8	7	7	7	7	7	7	6	6	7	9	10	10	10	12
122.0	8	7	7	6	6	6	6	8	7	7	9	9	9	9	10
123.0	7	6	6	6	6	6	5	6	6	6	8	8	8	8	8
124.0	6	6	5	5	5	5	5	5	5	5	7	7	7	7	7
125.0	6	5	5	5	5	4	5	5	4	5	6	6	6	7	7
126.0	5	5	4	4	4	4	4	4	3	4	5	6	6	6	6
127.0	5	4	4	4	4	4	4	3	3	4	5	5	5	5	5
128.0	5	4	4	4	4	4	4	3	3	4	5	5	5	5	5
129.0	4	4	4	4	4	4	3	3	3	4	4	5	5	5	5
130.0	4	4	4	4	4	3	3	3	3	4	4	5	5	4	4
131.0	4	4	4	4	3	3	3	3	3	4	4	4	4	4	4
132.0	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4
133.0	4	4	3	3	3	2	2	3	3	3	4	4	4	4	4
134.0	3	3	3	3	2	2	2	2	3	3	4	4	3	4	4
135.0	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3
136.0	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3
137.0	2	2	2	2	2	1	2	2	2	3	3	3	3	3	3
138.0	2	2	2	2	1	1	1	2	2	3	3	3	3	3	3
139.0	2	2	2	1	1	1	1	2	2	2	2	2	2	2	3
140.0	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2
141.0	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2
142.0	1	1	1	1	0	1	1	1	2	2	2	2	2	2	2
143.0	1	1	1	1	0	1	1	1	2	2	2	2	2	2	2
144.0	1	1	1	0	1	1	1	1	1	1	2	2	2	2	2
145.0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
146.0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
147.0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
148.0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
149.0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
150.0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
151.0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
152.0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1
153.0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
154.0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
155.0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
156.0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
157.0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
158.0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
159.0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
160.0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
161.0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0	200.0	205.0	210.0	215.0	220.0
108.0	13	15	17	17	17	18	16	10	19	20	20	18	15	13	12
109.0	9	10	12	11	11	12	11	10	11	13	14	11	11	10	10
110.0	8	9	11	9	9	10	10	10	11	11	13	11	10	10	10
111.0	9	9	11	10	9	10	10	11	11	11	13	11	11	11	11
112.0	9	9	11	10	9	10	10	11	11	11	13	11	11	11	11
113.0	9	10	12	10	10	10	11	11	11	12	13	11	11	11	11
114.0	9	10	12	10	10	10	11	11	11	11	13	11	11	11	11
115.0	10	10	12	10	10	10	10	10	11	11	13	11	11	11	11
116.0	9	10	12	10	10	10	9	10	10	11	12	10	10	10	10
117.0	9	10	12	10	9	9	8	9	10	10	12	10	10	10	10
118.0	9	10	11	10	9	9	8	8	10	10	11	9	9	9	10
119.0	9	10	11	10	9	9	8	8	9	9	11	9	9	9	9
120.0	9	10	11	10	9	8	8	7	8	9	10	9	9	9	9
121.0	9	9	11	9	9	8	7	7	7	7	8	8	8	8	8
122.0	8	9	10	9	8	8	6	6	7	7	7	8	8	8	8
123.0	8	8	8	8	8	8	6	5	6	6	6	7	7	7	7
124.0	7	7	7	7	7	7	6	4	5	6	6	6	6	6	6
125.0	6	6	6	6	6	6	5	4	4	5	6	6	6	6	6
126.0	6	6	6	6	5	5	4	4	4	5	5	5	5	5	6
127.0	5	5	5	5	5	5	4	3	3	4	5	5	5	5	5
128.0	5	5	5	5	5	5	4	4	3	4	4	5	5	5	5
129.0	5	4	5	5	4	4	4	3	3	3	4	5	5	5	5
130.0	4	4	4	4	4	4	4	3	3	3	4	4	5	5	5
131.0	4	4	4	4	4	4	4	3	3	3	3	4	4	5	5
132.0	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4
133.0	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4
134.0	4	3	3	3	4	4	4	3	3	3	3	3	3	4	4
135.0	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3
136.0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
137.0	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3
138.0	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
139.0	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
140.0	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
141.0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
142.0	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2
143.0	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
144.0	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
145.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
146.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
147.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
148.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
149.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
151.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
152.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
153.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
154.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
155.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
156.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
157.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
158.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
159.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
160.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
161.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	225.0	230.0	235.0	240.0	245.0	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
108.0	11	11	11	10	9	8	8	8	7	8	8	8	8	9	9
109.0	10	10	11	10	9	9	8	8	8	8	9	8	8	9	9
110.0	10	10	11	10	9	9	8	8	8	8	9	9	9	9	9
111.0	10	11	11	10	10	9	9	8	8	8	9	9	9	9	9
112.0	11	11	11	10	10	9	9	8	9	8	9	9	9	10	10
113.0	11	11	11	10	10	9	9	8	9	8	9	9	9	10	10
114.0	11	11	11	10	10	9	9	8	8	8	9	9	9	9	9
115.0	10	11	11	10	9	9	8	8	8	8	8	8	8	9	9
116.0	10	10	11	10	9	8	8	7	8	8	8	8	8	9	9
117.0	10	10	11	9	9	8	8	7	8	7	8	8	8	8	8
118.0	10	10	10	9	8	8	7	6	7	7	7	7	7	8	7
119.0	9	9	10	9	8	8	7	6	7	7	7	7	7	7	7
120.0	9	9	10	9	8	7	7	6	6	6	7	6	6	7	7
121.0	8	8	9	8	7	7	6	5	6	6	6	6	6	6	6
122.0	8	8	7	7	7	6	6	5	6	6	6	5	6	6	6
123.0	7	7	7	6	6	6	5	5	5	5	5	5	5	5	4
124.0	6	6	6	6	6	5	5	4	5	5	5	5	5	5	3
125.0	6	6	6	5	5	5	5	4	4	4	4	4	5	4	3
126.0	6	6	5	5	5	5	4	4	4	4	4	4	4	3	3
127.0	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3
128.0	5	5	5	5	4	4	4	4	4	4	4	4	3	2	3
129.0	5	5	5	4	4	4	4	4	4	4	4	3	3	2	3
130.0	5	5	4	4	4	4	4	4	4	3	3	3	3	3	3
131.0	5	4	4	3	3	4	4	3	3	3	3	3	2	2	3
132.0	4	4	4	3	3	3	3	3	3	3	3	3	2	2	3
133.0	4	4	3	3	3	3	3	3	3	3	3	2	2	2	3
134.0	4	4	3	2	2	3	3	3	3	3	2	2	2	2	3
135.0	3	3	3	2	2	3	3	3	3	2	2	2	2	2	3
136.0	3	3	3	2	2	3	3	3	2	2	2	2	2	2	3
137.0	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2
138.0	3	3	2	2	2	2	2	2	2	2	2	1	2	2	2
139.0	2	2	2	1	2	2	2	2	2	2	1	1	2	2	2
140.0	2	2	2	1	1	2	2	2	2	1	1	1	2	2	2
141.0	2	2	2	1	1	2	2	2	1	1	1	1	1	2	2
142.0	2	2	2	1	1	2	2	1	1	1	1	1	1	2	2
143.0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
144.0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
145.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
146.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
147.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
148.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
149.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
150.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
151.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
152.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
153.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
154.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
155.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
156.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
157.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
158.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
159.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
160.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
161.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0	360.0
108.0	10	11	10	10	10	11	11	12	14	13	14	14	10
109.0	10	11	10	10	10	10	10	11	11	11	11	10	9
110.0	10	11	10	10	10	10	10	11	11	11	10	10	9
111.0	10	11	10	10	10	10	10	11	12	11	11	11	10
112.0	10	11	10	10	10	11	11	11	12	11	11	11	10
113.0	10	11	10	10	10	11	11	11	12	11	11	11	10
114.0	10	11	10	10	10	11	10	11	11	11	11	10	10
115.0	9	10	10	10	10	10	10	11	11	11	10	10	10
116.0	8	9	10	10	10	10	10	10	11	10	10	10	10
117.0	8	9	9	9	10	10	9	10	10	10	10	10	9
118.0	7	9	9	9	9	9	9	10	10	10	10	9	8
119.0	7	9	9	9	9	9	9	9	9	9	9	9	8
120.0	8	9	8	8	8	8	8	9	9	9	9	9	8
121.0	7	7	8	8	8	8	8	8	9	8	8	8	8
122.0	5	7	7	7	7	7	7	7	7	8	8	8	6
123.0	4	6	6	6	7	6	6	6	7	7	7	7	5
124.0	4	5	6	6	6	6	6	6	6	6	6	6	5
125.0	4	5	5	5	5	5	5	5	5	6	6	5	4
126.0	4	5	5	5	5	5	5	5	5	5	5	5	4
127.0	4	4	5	5	5	5	5	5	5	5	5	5	4
128.0	4	4	5	5	5	5	5	5	5	5	5	4	4
129.0	4	4	4	4	4	4	4	4	5	5	5	4	4
130.0	3	4	4	4	4	4	4	4	4	4	4	4	4
131.0	3	4	4	4	4	4	4	4	4	4	4	4	4
132.0	3	4	4	4	4	4	4	4	4	4	4	4	4
133.0	3	4	4	4	4	4	4	4	4	4	4	4	4
134.0	3	3	3	3	4	4	4	4	4	4	4	4	4
135.0	3	3	3	3	3	3	4	4	4	4	4	4	3
136.0	3	3	3	3	3	3	3	3	4	4	4	4	3
137.0	3	3	3	3	3	3	3	3	3	3	3	3	3
138.0	2	3	3	3	3	3	3	3	3	3	3	3	3
139.0	2	2	2	2	3	3	3	3	3	3	3	3	3
140.0	2	2	2	2	2	2	3	3	3	3	3	3	2
141.0	2	2	2	2	2	2	2	2	2	2	2	2	2
142.0	2	2	2	2	2	2	2	2	2	2	2	2	2
143.0	2	2	2	2	2	2	2	2	2	2	2	2	2
144.0	1	1	2	2	2	2	2	2	2	2	2	2	2
145.0	1	1	1	1	2	2	2	2	2	2	2	2	1
146.0	1	1	1	1	1	1	1	1	1	1	1	1	1
147.0	1	1	1	1	1	1	1	1	1	1	1	1	1
148.0	1	1	1	1	1	1	1	1	1	1	1	1	1
149.0	1	1	1	1	1	1	1	1	1	1	1	1	1
150.0	1	1	1	1	1	1	1	1	1	1	1	1	1
151.0	1	1	1	1	1	1	1	1	1	1	1	1	1
152.0	1	1	1	1	1	1	1	1	1	1	1	1	1
153.0	1	1	1	1	1	1	1	1	1	1	1	1	1
154.0	1	1	1	1	1	1	1	1	1	1	1	1	1
155.0	1	1	1	1	1	1	1	1	1	1	1	1	1
156.0	1	1	1	1	1	1	1	1	1	1	1	1	1
157.0	1	1	1	1	1	1	1	1	1	1	1	1	1
158.0	1	1	1	1	1	1	1	1	1	1	1	1	1
159.0	1	1	1	1	1	1	1	1	1	1	1	1	1
160.0	1	1	1	1	1	1	1	1	1	1	1	1	1
161.0	1	1	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0
162.0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
163.0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
164.0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
165.0	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1
166.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
168.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
169.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
170.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
171.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
172.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
173.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
174.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
175.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
176.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
177.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
178.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	75.0	80.0	85.0	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
162.0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
163.0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
164.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
165.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
166.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
168.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
169.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
170.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
171.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
172.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
173.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
174.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
175.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
176.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
177.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
178.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0	200.0	205.0	210.0	215.0	220.0
162.0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
163.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
164.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
165.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
166.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
168.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
169.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
170.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
171.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
172.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
173.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
174.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
175.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
176.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
177.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
178.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	225.0	230.0	235.0	240.0	245.0	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
162.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
163.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
164.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
165.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
166.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
167.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
168.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
169.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
170.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
171.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
172.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
173.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
174.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
175.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
176.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
177.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
178.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
179.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1



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Candela Table (cd)

	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0	350.0	355.0	360.0
162.0	1	1	1	1	1	1	1	1	1	1	1	1	1
163.0	1	1	1	1	1	1	1	1	1	1	1	1	1
164.0	1	1	1	1	1	1	1	1	1	1	1	1	1
165.0	1	1	1	1	1	1	1	1	1	1	1	1	1
166.0	1	1	1	1	1	1	1	1	1	1	1	1	1
167.0	1	1	1	1	1	1	1	1	1	1	1	1	1
168.0	1	1	1	1	1	1	1	1	1	1	1	1	1
169.0	1	1	1	1	1	1	1	1	1	1	1	1	1
170.0	1	1	1	1	1	1	1	1	1	1	1	1	1
171.0	1	1	1	1	1	1	1	1	1	1	1	1	1
172.0	1	1	1	1	1	1	1	1	1	1	1	1	1
173.0	1	1	1	1	1	1	1	1	1	1	1	1	1
174.0	1	1	1	1	1	1	1	1	1	1	1	1	1
175.0	1	1	1	1	1	1	1	1	1	1	1	1	1
176.0	1	1	1	1	1	1	1	1	1	1	1	1	1
177.0	1	1	1	1	1	1	1	1	1	1	1	1	1
178.0	1	1	1	1	1	1	1	1	1	1	1	1	1
179.0	1	1	1	1	1	1	1	1	1	1	1	1	1
180.0	1	1	1	1	1	1	1	1	1	1	1	1	1