





Project No: 10021186  
Report No: 10021186-14  
Issued Date: 2013-JUN-27  
Revision:

## Verification Services Test Report

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

<b>Manufacturer:</b>	<b>Acrilux SRL</b>
<b>Country of Origin:</b>	Italy
<b>Country of Export:</b>	N/A
<b>Product Category:</b>	URBAN LED SIMMETRICO 1050 mA
<b>Product Description:</b>	LED outdoor luminaire
<b>Model Number(s):</b>	URBAN LED SIMMETRICO 1050 mA
<b>ECG Model:</b>	VOSSLOH SCHWABE LEDline Type ECXe 1050.021 Ref: 186199
<b>Electrical Ratings:</b>	230Vac 50Hz
<b>Test Sample(s) Received Date:</b>	2013-JUN-21
<b>Test Period:</b>	2013-JUN-25 to 2013-JUN-25
<b>The Sample(s) is(are) tested in accordance with the following:</b>	
UNI 11356:2010	

Prepared By	Approved By
Giovanni Di Martino 	Walter Parmiani 
<b>Name &amp; Signatory</b>	<b>Name &amp; Signatory</b>

**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	014006-S001	Evaluated by Customer

### Measurement Uncertainty

N/A

### Deviation from Test Method (if any)

N/A

### Remarks (if any)

N/A



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### Test No. 1: Goniophotometer

#### Sample ID / Test Round Number

014006-S001 / 1

#### Environmental Conditions

Ambient Temperature
25 °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
230.02 V	0.28 A	64.09 W	0.98

#### Test Results

Result Name	Result
Test Date	2013-JUN-25 04:30:00 PM
Current THD	15.3 %
Luminous Flux	3406.4 lm
Luminous Efficacy	53.2 lm/W
Luminous Opening Length	150.0 mm
Luminous Opening Width	150.0 mm
Luminous Opening Height	0.0 mm



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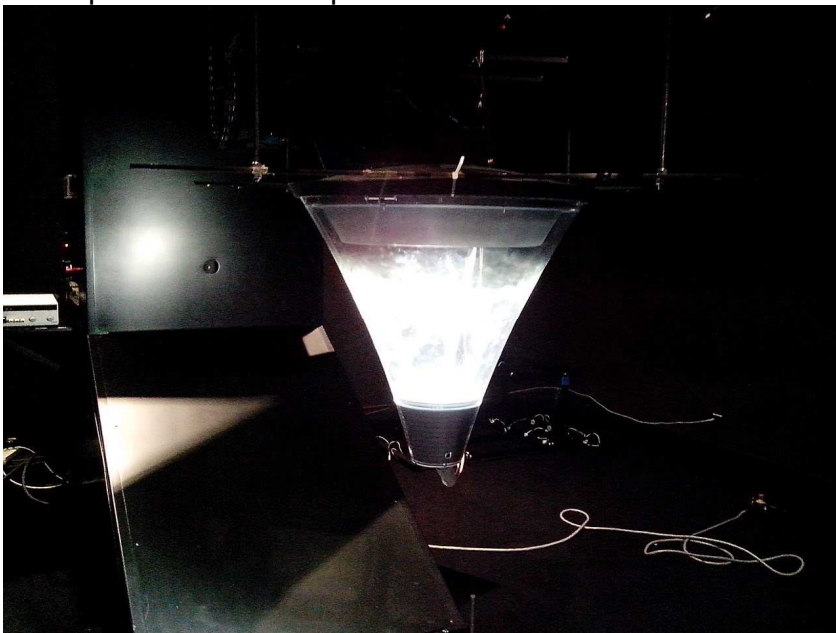
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### Photo of Sample(s)

Sample



Goniophotometer set-up

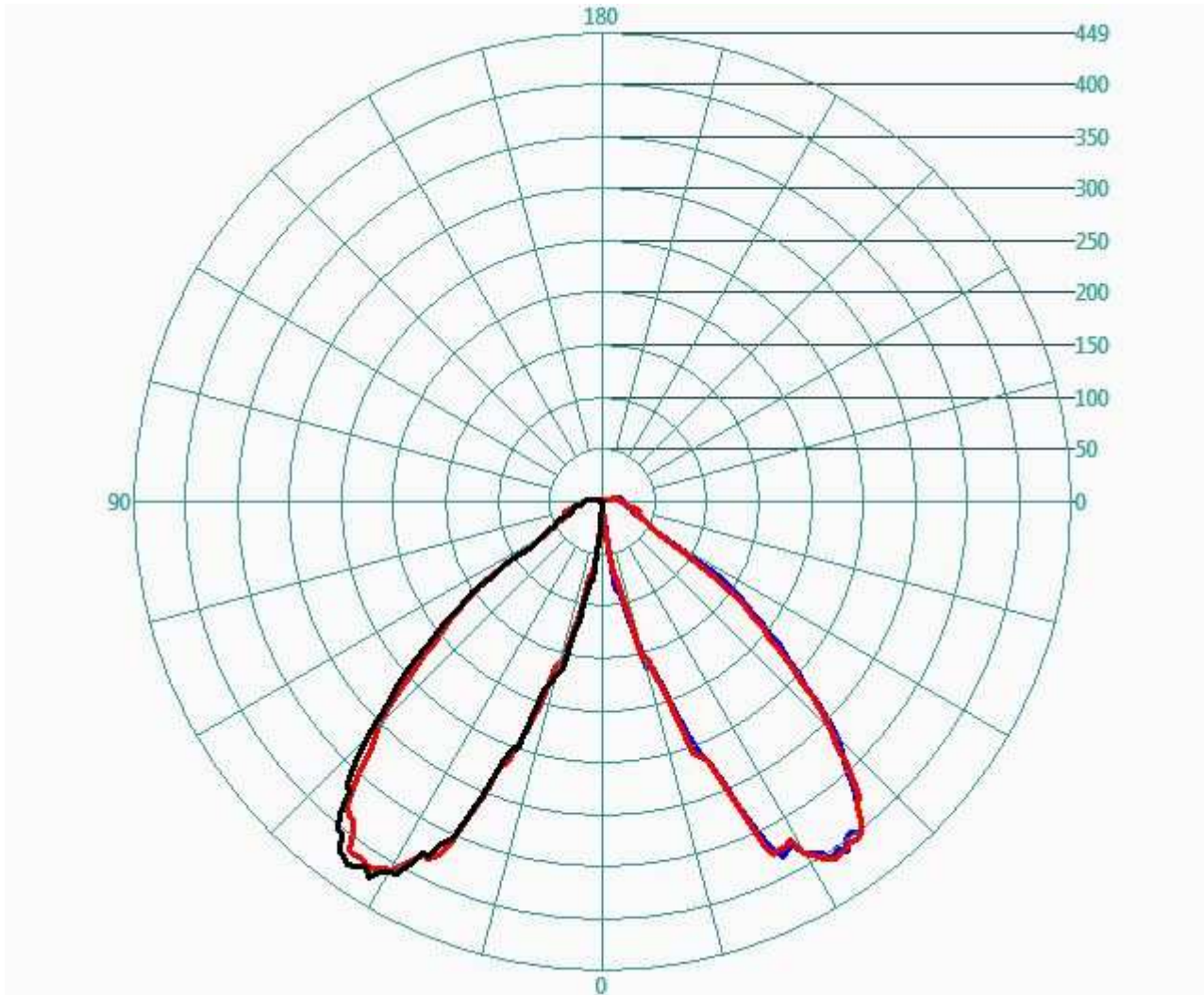




## Verification Services Test Report

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### Polar diagram (cd/Klm)



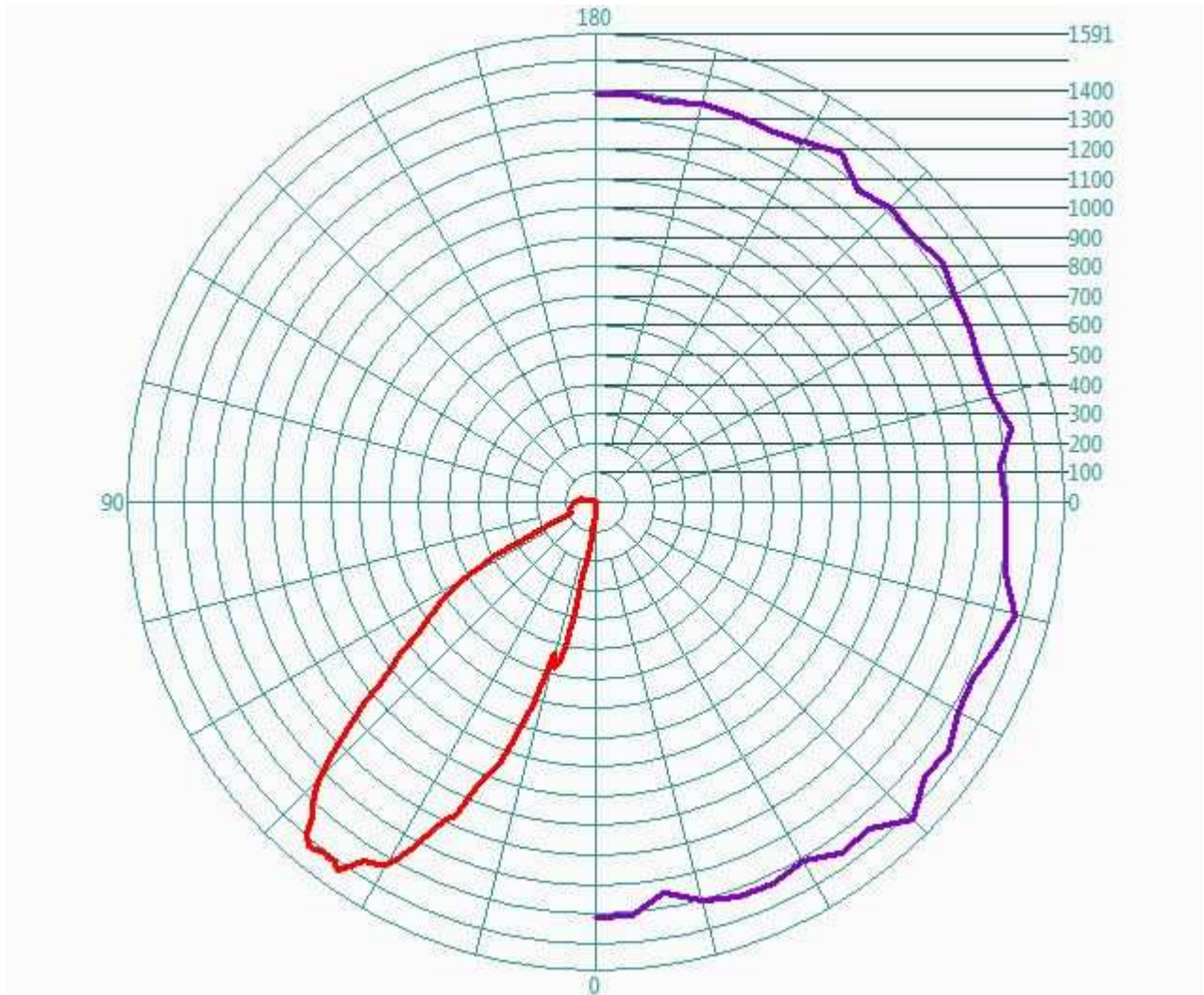


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### Max cone and plane (cd)



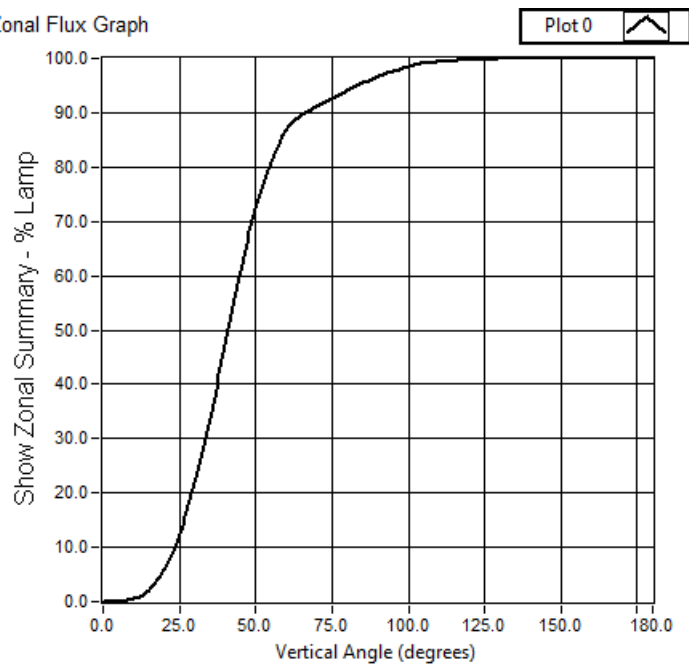


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### Zonal Lumen Summary

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	706.75	20.75	20.75
0 to 40	1565.33	45.95	45.95
0 to 60	2940.57	86.33	86.33
0 to 90	3287.31	96.51	96.51
40 to 90	1721.97	50.55	50.55
60 to 90	346.73	10.18	10.18
90 to 180	119.04	3.49	3.49
0 to 180	3406.35	100.00	100.00

Zonal Flux Graph



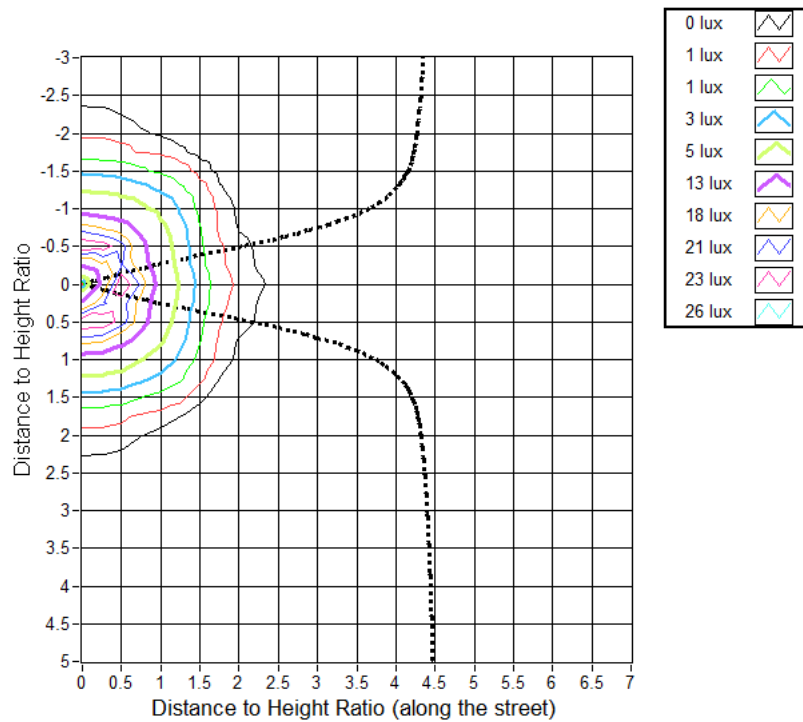


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### Isolluminance Merged Chart

#### 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 (%)
1649.23	48.42	363.40	10.67	1114.51	32.72	129.81	3.81	41.50	1.22

##### 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 (%)
1638.01	48.09	343.39	10.08	1119.22	32.86	133.68	3.92	41.71	1.22





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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	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
5.00	83.5	74.9	66.1	58.8	59.4	74.9	58.0	59.9	52.6	32.6
10.00	248.6	286.6	288.8	336.1	322.2	252.6	317.0	303.6	279.1	265.1
15.00	540.1	609.3	611.7	656.8	591.1	534.4	541.5	559.3	578.8	535.1
20.00	911.6	895.0	968.8	900.6	905.3	933.4	859.9	755.4	798.3	827.9
25.00	1274.7	1247.0	1267.3	1188.6	1174.2	1192.4	1190.7	1128.6	1127.3	1154.4
30.00	1386.2	1372.3	1358.5	1388.9	1360.0	1422.6	1341.5	1355.6	1330.1	1302.7
35.00	1407.9	1406.8	1402.9	1430.4	1457.7	1528.4	1465.7	1416.1	1476.5	1398.0
40.00	1298.9	1270.8	1276.8	1324.3	1420.3	1519.8	1460.8	1403.5	1377.1	1368.4
45.00	1025.3	1025.1	1031.7	1118.3	1264.0	1324.2	1253.0	1196.6	1130.0	1105.0
50.00	716.1	722.9	718.5	799.6	904.4	954.4	913.3	878.0	832.2	795.5
55.00	493.0	506.5	523.9	574.1	650.0	697.4	661.6	636.4	598.4	577.0
60.00	207.8	212.2	245.2	329.3	455.0	508.2	450.6	349.9	268.7	237.9
65.00	154.3	158.5	142.0	126.1	132.3	147.2	137.2	130.9	168.2	161.6
70.00	105.8	108.3	99.5	89.2	90.1	89.8	91.2	81.9	104.4	113.4
75.00	130.4	132.9	123.3	104.2	95.9	90.2	100.6	94.0	102.1	107.4
80.00	88.2	93.2	97.3	89.8	95.7	86.7	94.7	90.7	94.8	96.4
85.00	74.1	71.7	76.1	75.4	79.6	75.3	81.4	81.1	79.5	74.5
90.00	63.6	63.4	65.4	65.3	69.2	69.1	77.3	75.2	71.4	67.5

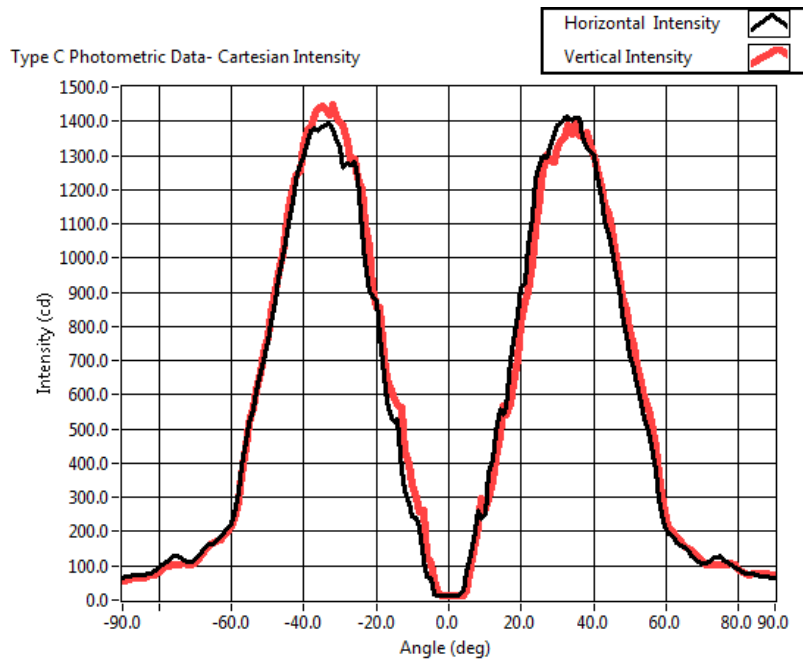
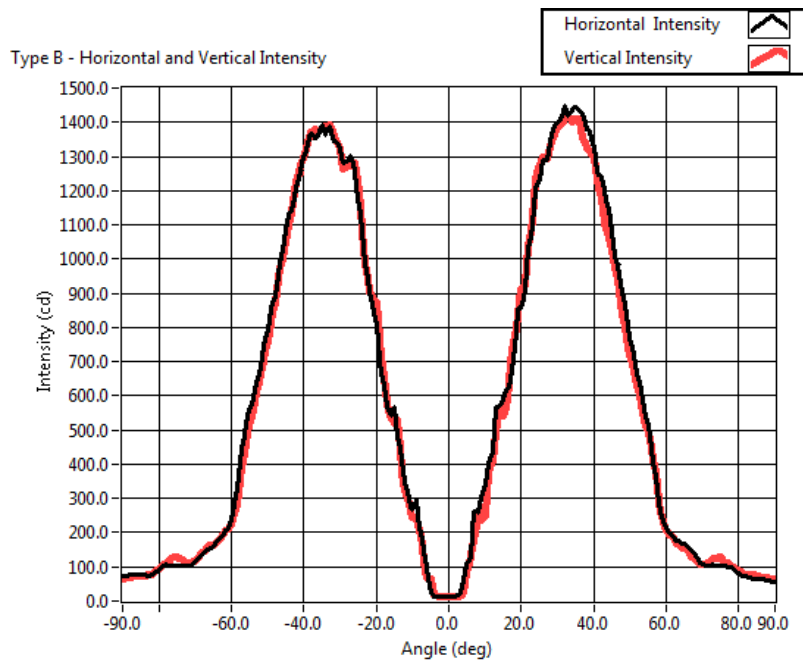
Luminous Intensity Values - House Side

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	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
5.00	26.2	23.6	41.0	40.0	43.0	53.1	44.5	35.6	23.5	51.2	66.1
10.00	265.1	292.0	293.1	306.3	273.7	191.7	283.6	307.9	231.0	239.6	246.3
15.00	568.0	503.3	553.9	528.5	498.7	512.1	533.5	518.4	555.8	529.3	519.3
20.00	809.8	884.7	809.0	774.5	806.7	822.9	781.8	784.6	916.0	828.4	870.4
25.00	1179.6	1152.5	1134.4	1135.4	1123.3	1146.1	1077.9	1115.6	1168.8	1210.5	1233.3
30.00	1321.7	1342.5	1313.6	1308.5	1324.1	1333.5	1322.7	1321.7	1335.7	1365.1	1322.0
35.00	1393.3	1379.6	1396.5	1402.7	1434.7	1414.3	1450.1	1393.0	1400.9	1390.3	1383.7
40.00	1296.5	1322.5	1363.4	1409.2	1425.0	1492.5	1433.4	1379.1	1333.2	1317.6	1293.5
45.00	1084.5	1086.2	1117.0	1218.5	1321.5	1325.9	1251.1	1170.9	1100.2	1051.5	1050.3
50.00	791.9	792.1	799.6	863.1	960.5	996.2	944.3	838.4	790.3	768.2	757.4
55.00	556.8	554.0	566.3	609.6	678.0	723.7	675.6	616.9	557.0	528.4	514.2
60.00	234.9	232.9	279.6	378.8	463.9	527.6	454.4	330.3	252.5	227.0	223.9
65.00	160.4	160.7	146.5	137.0	150.7	177.0	139.0	138.0	166.5	168.6	163.9
70.00	112.6	110.6	99.1	87.2	91.4	94.5	87.4	83.2	103.0	119.5	117.2
75.00	103.9	107.6	100.3	94.3	99.8	96.4	95.3	102.6	117.0	127.4	128.0
80.00	89.3	97.1	97.2	91.7	97.5	95.1	93.0	94.7	101.4	95.9	93.8
85.00	77.1	71.2	79.8	86.8	84.8	83.1	81.1	77.6	73.7	73.2	73.3
90.00	73.1	66.7	70.8	77.7	75.3	75.8	73.1	65.9	63.3	63.8	64.1



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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	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1.0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2.0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
3.0	15	15	15	14	14	14	14	14	14	14	14	14	13	13	13
4.0	24	32	33	37	43	36	39	43	55	40	38	30	30	34	20
5.0	84	75	71	66	67	59	58	59	83	75	65	58	56	60	62
6.0	132	146	104	85	90	93	112	136	111	99	120	106	87	83	67
7.0	175	195	162	152	136	149	119	104	103	78	80	91	89	98	100
8.0	262	259	207	246	212	208	175	216	169	155	150	154	167	147	167
9.0	236	290	280	307	323	307	255	229	214	208	212	268	277	299	316
10.0	249	287	289	289	363	336	312	322	288	253	269	317	356	304	309
11.0	376	308	325	392	399	323	339	362	390	351	358	391	361	372	353
12.0	410	407	394	381	375	371	408	404	498	502	381	411	354	309	338
13.0	490	455	461	455	470	437	453	504	495	553	481	440	445	393	373
14.0	558	522	567	566	583	498	485	538	595	579	561	486	531	472	496
15.0	540	609	612	612	627	657	567	591	601	534	543	541	573	559	536
16.0	561	609	638	639	651	717	703	660	666	598	595	633	665	615	648
17.0	699	644	688	651	704	777	783	710	718	717	729	705	724	685	603
18.0	758	714	744	753	755	765	814	824	776	771	754	771	776	718	703
19.0	835	828	866	821	812	795	843	823	827	848	806	869	763	738	732
20.0	912	895	980	969	911	901	934	905	968	933	851	860	811	755	882
21.0	924	984	1009	1024	953	1017	946	985	952	985	931	975	911	833	915
22.0	1037	1016	1030	1080	1011	1048	1025	1011	971	1013	963	1024	1023	1019	962
23.0	1118	1142	1125	1112	1064	1090	1062	1043	1073	1058	987	1112	1074	1018	1019
24.0	1229	1259	1232	1153	1112	1139	1094	1103	1132	1164	1077	1130	1107	1120	1091
25.0	1275	1247	1292	1267	1190	1189	1152	1174	1163	1192	1206	1191	1179	1129	1154
26.0	1296	1251	1338	1274	1241	1252	1242	1244	1228	1221	1172	1238	1181	1160	1235
27.0	1294	1335	1306	1285	1292	1332	1314	1282	1326	1272	1223	1228	1231	1280	1277
28.0	1328	1350	1316	1252	1310	1330	1311	1294	1333	1335	1302	1294	1232	1337	1332
29.0	1361	1367	1333	1317	1351	1377	1336	1297	1362	1387	1335	1386	1302	1338	1338
30.0	1386	1372	1361	1359	1341	1389	1343	1360	1385	1423	1366	1342	1346	1356	1348
31.0	1394	1383	1339	1356	1378	1379	1331	1382	1392	1433	1388	1357	1387	1381	1375
32.0	1408	1389	1367	1372	1388	1426	1348	1390	1417	1441	1407	1410	1401	1414	1412
33.0	1416	1402	1371	1374	1438	1420	1402	1399	1450	1451	1420	1416	1413	1426	1429
34.0	1403	1423	1376	1403	1429	1468	1420	1413	1474	1492	1437	1469	1408	1424	1458
35.0	1408	1407	1347	1403	1427	1430	1409	1458	1445	1528	1456	1466	1423	1416	1449
36.0	1409	1366	1366	1415	1426	1401	1409	1468	1441	1504	1482	1473	1460	1441	1445
37.0	1354	1356	1380	1389	1419	1374	1396	1457	1478	1513	1499	1464	1459	1454	1438
38.0	1325	1328	1354	1333	1388	1370	1401	1427	1466	1504	1479	1435	1489	1435	1441
39.0	1315	1273	1299	1319	1341	1366	1383	1423	1430	1520	1499	1439	1465	1410	1410
40.0	1299	1271	1277	1277	1325	1324	1388	1420	1450	1520	1482	1461	1424	1403	1399
41.0	1236	1241	1213	1241	1284	1298	1379	1419	1447	1496	1469	1416	1403	1375	1347
42.0	1176	1188	1156	1220	1234	1265	1354	1420	1400	1439	1460	1395	1374	1355	1314
43.0	1111	1136	1112	1145	1195	1221	1314	1360	1384	1415	1425	1333	1345	1313	1302
44.0	1066	1080	1057	1098	1147	1189	1262	1299	1351	1380	1361	1276	1296	1258	1251
45.0	1025	1025	1014	1032	1083	1118	1180	1264	1288	1324	1310	1253	1224	1197	1179
46.0	974	960	957	971	1024	1063	1125	1191	1223	1256	1238	1201	1154	1121	1106
47.0	912	896	897	906	954	981	1049	1127	1143	1181	1162	1130	1070	1069	1022
48.0	837	836	835	847	882	917	968	1042	1073	1102	1090	1058	1006	1005	959
49.0	773	780	775	779	804	849	923	960	1003	1041	1030	975	947	940	898
50.0	716	723	720	719	745	800	849	904	939	954	961	913	892	878	846
51.0	673	675	675	677	695	727	771	840	874	903	901	858	832	819	793
52.0	632	628	634	630	652	669	711	783	813	845	835	801	771	772	729
53.0	578	585	592	597	611	637	681	727	754	786	776	754	725	726	688



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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	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1.0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2.0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
3.0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
4.0	16	14	14	14	14	14	14	14	15	17	17	18	18	17	15
5.0	53	44	33	26	24	35	41	42	40	41	43	53	53	55	45
6.0	76	85	86	99	91	76	66	59	56	58	62	58	57	69	71
7.0	128	126	152	147	121	106	100	81	71	73	81	67	62	75	73
8.0	188	196	197	215	217	240	155	152	140	118	121	94	72	105	104
9.0	269	264	271	295	251	232	294	246	215	185	194	174	154	167	168
10.0	279	286	265	265	292	261	293	296	306	292	274	209	192	227	284
11.0	345	293	298	297	291	267	342	296	341	336	306	319	267	330	302
12.0	350	324	383	350	330	295	340	310	288	312	359	396	403	368	325
13.0	372	389	413	413	394	374	365	364	350	422	426	487	505	411	402
14.0	494	498	507	480	499	498	477	381	430	421	451	510	484	454	467
15.0	579	517	535	568	503	559	554	581	528	500	499	545	512	527	534
16.0	587	551	550	542	528	584	626	660	587	615	585	583	529	552	599
17.0	642	610	583	572	542	614	595	628	664	658	655	633	656	635	750
18.0	608	642	624	633	594	636	581	646	708	712	785	734	679	704	737
19.0	678	689	708	703	688	698	672	760	753	733	791	760	792	720	787
20.0	798	827	828	810	885	814	809	775	774	755	807	871	823	820	782
21.0	936	953	876	872	898	936	922	869	831	855	922	895	865	904	887
22.0	951	966	950	903	913	966	976	945	958	977	948	927	909	982	926
23.0	1018	1000	947	986	941	1012	1044	1035	1067	1052	983	989	952	1012	1029
24.0	1080	1090	982	1085	1030	1067	1088	1043	1104	1056	1017	1080	1010	1093	1058
25.0	1127	1206	1154	1180	1153	1146	1134	1115	1135	1111	1123	1204	1146	1162	1078
26.0	1247	1294	1239	1257	1243	1288	1224	1202	1156	1146	1159	1239	1180	1163	1132
27.0	1309	1330	1256	1302	1319	1330	1258	1284	1226	1203	1185	1266	1225	1170	1192
28.0	1358	1302	1285	1286	1331	1331	1256	1324	1221	1245	1243	1263	1247	1252	1258
29.0	1314	1322	1294	1282	1381	1316	1247	1371	1294	1299	1296	1289	1285	1280	1286
30.0	1330	1311	1303	1322	1342	1345	1314	1354	1309	1297	1324	1287	1333	1295	1323
31.0	1361	1317	1324	1339	1327	1366	1317	1323	1310	1329	1335	1325	1335	1325	1330
32.0	1402	1363	1406	1354	1337	1398	1304	1353	1344	1372	1388	1334	1367	1309	1398
33.0	1437	1363	1431	1389	1347	1384	1347	1359	1366	1385	1392	1366	1397	1346	1419
34.0	1411	1398	1441	1363	1393	1397	1383	1394	1383	1411	1418	1397	1398	1373	1447
35.0	1476	1411	1398	1393	1380	1430	1396	1386	1403	1410	1435	1403	1414	1384	1450
36.0	1449	1430	1405	1358	1400	1410	1416	1410	1447	1392	1416	1444	1440	1396	1467
37.0	1441	1413	1417	1354	1403	1404	1396	1424	1439	1405	1425	1447	1476	1404	1477
38.0	1417	1379	1405	1368	1376	1359	1361	1404	1435	1416	1437	1458	1520	1409	1481
39.0	1394	1346	1425	1337	1378	1355	1363	1387	1434	1426	1446	1459	1513	1430	1452
40.0	1377	1342	1368	1297	1322	1310	1363	1383	1409	1405	1425	1472	1493	1416	1433
41.0	1340	1296	1323	1260	1266	1279	1301	1343	1367	1397	1424	1476	1465	1404	1411
42.0	1311	1273	1292	1209	1236	1227	1270	1303	1389	1403	1429	1467	1456	1401	1399
43.0	1258	1232	1228	1157	1191	1184	1236	1268	1347	1367	1386	1423	1419	1378	1364
44.0	1178	1171	1184	1129	1147	1129	1179	1218	1288	1310	1342	1366	1370	1338	1302
45.0	1130	1128	1105	1085	1086	1070	1117	1165	1218	1268	1321	1321	1326	1286	1251
46.0	1060	1060	1032	1025	1026	1013	1065	1101	1159	1211	1258	1284	1287	1234	1198
47.0	1002	1018	964	949	971	947	994	1030	1090	1142	1182	1206	1217	1161	1122
48.0	946	936	915	889	914	891	916	980	1026	1072	1117	1136	1126	1092	1065
49.0	878	887	860	852	859	836	853	913	943	997	1055	1064	1060	1024	1006
50.0	832	828	796	792	792	775	800	830	863	917	960	986	996	962	944
51.0	773	758	729	743	724	719	741	760	809	855	892	924	919	908	869
52.0	725	706	682	687	678	677	688	697	750	791	829	862	867	852	808
53.0	684	674	641	637	631	628	642	652	701	734	765	787	804	800	744



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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	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1.0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2.0	13	13	13	13	13	13	13	13	13	13	14	14	14	14	14
3.0	13	13	13	13	13	13	14	14	14	14	15	17	20	21	24
4.0	15	14	14	14	15	15	18	25	39	47	52	69	60	55	51
5.0	34	36	31	23	28	51	66	59	62	57	53	57	85	80	65
6.0	68	73	72	120	88	80	68	65	66	67	75	68	91	97	73
7.0	69	111	153	127	123	110	114	114	100	78	101	93	102	149	126
8.0	121	191	157	134	164	178	212	190	177	214	179	171	170	196	189
9.0	195	214	248	227	225	232	239	254	249	314	256	207	154	206	190
10.0	248	308	304	231	233	240	246	323	272	345	311	324	300	306	309
11.0	298	297	313	270	288	273	284	331	295	312	308	325	367	423	474
12.0	335	306	332	334	370	368	321	332	355	331	344	397	396	529	519
13.0	411	353	344	375	410	375	378	395	409	434	470	441	413	488	577
14.0	445	438	453	483	482	483	527	416	528	464	478	434	466	481	585
15.0	460	518	548	556	522	529	519	508	609	576	567	501	473	541	552
16.0	615	565	587	585	546	524	535	576	631	621	637	622	546	610	626
17.0	653	644	633	611	592	598	579	609	609	673	680	702	641	639	649
18.0	716	726	674	652	671	653	656	648	698	765	705	776	699	743	682
19.0	752	772	755	734	799	729	769	788	721	804	794	839	744	795	797
20.0	791	785	853	916	869	828	870	904	877	909	822	913	852	856	877
21.0	892	958	957	956	966	866	891	896	934	982	936	975	919	941	900
22.0	970	1029	988	955	957	915	902	910	933	1012	957	1077	956	989	913
23.0	1055	1047	1038	1005	984	1061	990	963	1041	1037	970	1084	1006	1061	998
24.0	1036	1025	1086	1035	1109	1102	1078	1126	1106	1065	1027	1055	1105	1085	1064
25.0	1078	1116	1121	1169	1203	1210	1233	1245	1192	1184	1161	1118	1158	1154	1171
26.0	1196	1176	1244	1235	1215	1261	1279	1251	1251	1258	1216	1162	1172	1142	1209
27.0	1246	1239	1284	1290	1251	1249	1274	1268	1290	1263	1310	1278	1252	1222	1252
28.0	1304	1274	1275	1288	1301	1291	1276	1261	1278	1274	1353	1292	1312	1295	1288
29.0	1269	1302	1296	1311	1340	1304	1263	1282	1321	1263	1359	1340	1310	1326	1299
30.0	1332	1322	1331	1336	1363	1365	1322	1324	1320	1323	1337	1321	1346	1335	1339
31.0	1337	1367	1319	1378	1359	1388	1342	1324	1364	1391	1348	1347	1386	1345	1350
32.0	1357	1371	1361	1374	1372	1414	1376	1355	1367	1424	1381	1333	1408	1341	1366
33.0	1362	1383	1376	1405	1378	1388	1392	1355	1383	1404	1405	1337	1387	1381	1378
34.0	1418	1363	1419	1387	1379	1395	1389	1366	1374	1389	1391	1352	1393	1412	1381
35.0	1411	1393	1402	1401	1378	1390	1384	1357	1378	1389	1392	1340	1388	1447	1400
36.0	1418	1413	1416	1386	1398	1404	1369	1379	1353	1353	1379	1373	1380	1463	1415
37.0	1415	1412	1417	1394	1390	1426	1378	1336	1367	1349	1331	1360	1373	1439	1433
38.0	1415	1404	1390	1408	1379	1392	1370	1296	1324	1312	1342	1359	1384	1433	1444
39.0	1405	1401	1361	1359	1354	1357	1342	1277	1308	1303	1330	1382	1359	1467	1439
40.0	1398	1379	1358	1333	1322	1318	1294	1257	1282	1286	1298	1359	1331	1490	1423
41.0	1380	1340	1334	1308	1296	1269	1274	1238	1248	1276	1277	1335	1338	1469	1431
42.0	1351	1333	1292	1264	1275	1243	1227	1223	1221	1233	1261	1323	1317	1450	1393
43.0	1289	1289	1247	1222	1233	1195	1166	1179	1195	1171	1223	1277	1272	1395	1375
44.0	1254	1234	1207	1176	1174	1141	1102	1105	1135	1130	1186	1221	1263	1342	1325
45.0	1205	1171	1137	1100	1080	1052	1050	1002	1055	1080	1148	1158	1229	1305	1311
46.0	1152	1112	1055	1025	1033	1000	1003	980	990	999	1088	1116	1182	1231	1264
47.0	1094	1038	995	971	977	942	942	933	940	950	1012	1038	1104	1157	1192
48.0	1019	962	946	911	899	877	874	861	885	904	954	956	1022	1077	1126
49.0	954	895	867	844	836	831	813	820	829	831	876	906	958	1020	1048
50.0	886	838	809	790	776	768	757	755	772	771	806	842	895	941	963
51.0	810	781	755	725	716	714	701	698	703	708	744	785	824	871	903
52.0	755	736	704	686	677	664	666	646	651	653	694	717	762	809	845
53.0	719	700	655	646	633	620	610	601	599	612	641	660	713	757	799



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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	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
1.0	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
2.0	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
3.0	24	22	20	21	20	19	17	16	16	17	18	28	29	36	36
4.0	50	51	48	51	49	48	56	62	58	59	62	64	54	52	53
5.0	62	67	62	62	67	91	100	111	135	105	87	88	86	73	70
6.0	71	71	81	125	135	145	132	118	136	130	133	150	126	101	79
7.0	116	145	161	205	178	220	256	257	213	263	220	215	184	191	180
8.0	192	230	234	215	201	262	250	261	224	259	214	234	216	187	215
9.0	219	264	237	270	257	268	313	278	260	300	261	255	217	263	252
10.0	222	246	267	270	277	286	327	302	371	338	300	235	295	293	288
11.0	314	271	313	309	290	284	328	324	387	398	325	263	257	287	314
12.0	433	402	345	378	318	330	435	389	416	433	391	349	332	354	401
13.0	526	423	367	397	365	435	431	484	565	562	389	416	455	422	468
14.0	539	570	422	464	463	443	441	496	550	572	399	463	474	545	630
15.0	592	606	634	504	463	481	479	562	549	590	443	474	491	547	670
16.0	606	654	705	577	502	484	495	602	597	614	445	420	525	614	710
17.0	616	689	699	611	560	515	496	609	666	644	521	421	578	695	760
18.0	668	716	754	674	604	635	553	700	708	707	580	538	662	761	811
19.0	706	701	777	759	666	693	690	747	802	854	651	765	716	817	807
20.0	760	788	856	856	816	807	671	748	815	854	711	759	893	936	857
21.0	777	819	933	922	865	830	707	757	862	911	766	798	886	996	892
22.0	828	862	914	939	954	842	717	813	894	1030	768	821	941	1032	916
23.0	916	957	913	925	987	847	795	882	951	1102	800	879	969	1039	931
24.0	1033	982	947	981	969	891	901	968	1055	1203	834	984	1039	1125	994
25.0	1075	985	998	1007	1081	1028	958	980	1146	1233	847	1062	1209	1173	1043
26.0	1087	1070	1068	1058	1067	1153	974	1000	1184	1288	850	1056	1220	1180	1151
27.0	1130	1196	1159	1105	1068	1160	994	956	1207	1289	852	1092	1221	1158	1170
28.0	1196	1243	1208	1141	1088	1139	1003	998	1212	1343	944	1147	1222	1150	1146
29.0	1255	1271	1217	1149	1105	1123	990	1070	1232	1388	1016	1180	1212	1177	1158
30.0	1327	1289	1233	1160	1133	1160	1034	1091	1238	1397	1062	1210	1244	1176	1185
31.0	1348	1314	1267	1184	1185	1201	1138	1099	1219	1408	1105	1239	1297	1189	1186
32.0	1390	1342	1330	1237	1188	1236	1174	1082	1215	1448	1092	1267	1329	1205	1226
33.0	1409	1348	1342	1270	1199	1226	1205	1056	1242	1419	1111	1308	1347	1213	1247
34.0	1411	1369	1345	1288	1217	1215	1253	1059	1246	1437	1107	1293	1332	1233	1253
35.0	1433	1426	1347	1290	1269	1174	1294	1025	1243	1445	1117	1280	1311	1232	1257
36.0	1445	1440	1325	1282	1291	1167	1288	1034	1219	1434	1117	1277	1302	1231	1265
37.0	1439	1439	1331	1276	1251	1121	1262	1004	1235	1425	1096	1271	1283	1260	1262
38.0	1466	1429	1366	1305	1232	1158	1266	1005	1240	1380	1070	1239	1255	1242	1256
39.0	1460	1429	1367	1288	1164	1215	1250	971	1240	1376	1020	1215	1237	1225	1253
40.0	1429	1401	1358	1252	1138	1197	1262	954	1226	1329	976	1203	1206	1201	1252
41.0	1448	1440	1351	1264	1129	1113	1247	953	1138	1256	934	1164	1182	1163	1228
42.0	1435	1451	1334	1282	1083	1016	1208	939	1064	1241	930	1131	1150	1107	1173
43.0	1414	1391	1337	1265	1107	945	1142	900	995	1201	919	1080	1100	1046	1157
44.0	1370	1384	1319	1240	1088	910	1072	849	905	1146	883	1038	1058	1012	1134
45.0	1338	1329	1289	1184	1044	859	995	815	834	1077	833	990	1007	955	1102
46.0	1265	1263	1213	1103	997	838	930	786	771	1009	763	937	954	927	1041
47.0	1191	1206	1142	1027	927	810	861	737	717	955	702	898	889	884	987
48.0	1116	1130	1081	961	863	780	802	703	679	902	663	850	820	821	909
49.0	1052	1057	1003	906	811	739	726	665	643	837	617	798	756	766	824
50.0	998	987	935	858	759	693	661	613	592	771	556	733	698	716	771
51.0	941	921	870	794	707	663	621	584	549	720	494	680	637	663	707
52.0	887	858	804	733	648	629	611	544	508	664	446	637	585	609	666
53.0	829	806	747	691	607	585	593	503	477	613	401	595	537	574	627



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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	13	13	13	13	13	13	13	13	13	13	13	13	13
1.0	13	13	13	13	13	13	13	13	13	13	13	13	13
2.0	14	14	14	15	15	14	14	14	14	14	13	13	13
3.0	38	40	36	40	31	31	38	32	26	20	16	15	15
4.0	55	56	51	65	51	56	53	52	54	49	42	42	36
5.0	81	73	66	82	82	69	67	60	75	93	90	101	93
6.0	75	76	78	81	90	84	78	92	142	162	130	174	160
7.0	180	142	167	167	159	150	159	162	217	183	175	195	194
8.0	263	205	184	205	213	243	257	273	284	267	273	241	268
9.0	251	350	286	238	309	307	321	327	327	356	305	253	236
10.0	294	337	406	381	400	346	353	315	363	327	309	310	269
11.0	349	397	456	484	425	389	366	325	367	321	352	362	383
12.0	491	499	537	495	447	471	433	476	394	374	471	408	422
13.0	518	558	554	522	466	514	466	495	502	483	543	493	512
14.0	587	614	506	495	469	511	519	588	574	607	604	576	563
15.0	658	628	538	565	570	581	617	671	612	636	634	615	525
16.0	713	660	644	637	674	716	738	766	701	613	631	638	608
17.0	751	641	643	695	741	767	766	785	734	657	628	714	709
18.0	753	663	703	808	763	806	810	830	764	781	726	783	798
19.0	752	746	729	844	848	852	880	821	859	906	873	860	858
20.0	810	826	837	898	925	944	934	972	960	950	935	970	904
21.0	853	860	924	899	989	972	1036	1034	1040	990	1020	983	945
22.0	886	919	934	953	1039	1065	1058	1088	1046	1025	1080	1075	1041
23.0	877	973	1064	1109	1128	1102	1097	1074	1041	1071	1138	1213	1142
24.0	1010	1023	1117	1153	1202	1164	1186	1185	1113	1211	1232	1317	1234
25.0	1026	1140	1137	1183	1227	1188	1214	1235	1216	1303	1250	1369	1272
26.0	1107	1182	1159	1277	1263	1239	1298	1296	1289	1320	1289	1350	1288
27.0	1148	1264	1232	1354	1317	1330	1326	1313	1323	1345	1304	1389	1287
28.0	1191	1266	1285	1373	1332	1313	1358	1326	1335	1377	1340	1371	1322
29.0	1216	1238	1344	1400	1320	1340	1371	1339	1415	1361	1371	1375	1359
30.0	1212	1267	1381	1396	1332	1357	1388	1385	1395	1369	1396	1347	1379
31.0	1241	1316	1392	1456	1360	1411	1414	1404	1389	1369	1367	1377	1396
32.0	1298	1363	1421	1463	1384	1437	1436	1406	1378	1391	1386	1398	1407
33.0	1378	1397	1402	1459	1404	1461	1450	1401	1408	1396	1399	1427	1408
34.0	1362	1391	1421	1460	1467	1458	1409	1423	1413	1401	1404	1405	1392
35.0	1376	1422	1458	1460	1503	1451	1420	1432	1422	1400	1377	1401	1400
36.0	1376	1471	1483	1479	1481	1433	1430	1436	1433	1426	1378	1373	1401
37.0	1393	1491	1466	1483	1493	1445	1436	1431	1434	1395	1396	1323	1345
38.0	1372	1507	1474	1468	1492	1442	1427	1416	1417	1362	1370	1313	1317
39.0	1368	1489	1490	1465	1483	1427	1413	1388	1386	1353	1328	1319	1310
40.0	1358	1470	1476	1487	1483	1411	1384	1348	1338	1314	1312	1291	1294
41.0	1307	1444	1438	1466	1449	1364	1350	1318	1308	1272	1275	1248	1230
42.0	1289	1415	1407	1416	1395	1312	1296	1280	1272	1216	1225	1194	1173
43.0	1256	1353	1390	1375	1315	1278	1267	1241	1202	1162	1162	1147	1108
44.0	1223	1308	1362	1330	1261	1233	1212	1185	1146	1110	1085	1080	1062
45.0	1187	1250	1294	1261	1212	1201	1134	1136	1077	1045	1039	1025	1019
46.0	1152	1200	1200	1193	1141	1145	1069	1057	1018	997	986	969	965
47.0	1081	1121	1126	1111	1088	1078	1014	973	964	933	911	895	900
48.0	1018	1053	1052	1057	1020	994	946	909	902	859	842	827	823
49.0	942	980	976	992	929	912	879	850	837	802	777	773	761
50.0	861	921	916	912	875	841	820	778	774	743	731	725	705
51.0	785	838	849	847	824	780	763	717	720	701	684	671	664
52.0	728	778	790	788	769	739	718	674	666	652	644	631	623
53.0	682	735	739	739	723	695	659	638	624	606	601	589	571



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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	532	545	550	561	588	603	637	685	725	738	731	705	674	680	646
55.0	493	506	518	524	560	574	598	650	682	697	679	662	636	636	609
56.0	451	458	473	493	523	548	575	616	645	659	646	630	604	591	572
57.0	378	388	414	450	482	514	545	588	609	634	605	592	566	538	522
58.0	292	314	340	386	422	479	517	552	581	600	570	550	527	496	467
59.0	233	249	264	308	360	416	474	507	541	559	545	507	471	437	388
60.0	208	212	221	245	281	329	399	455	491	508	499	451	397	350	300
61.0	195	192	203	212	212	233	305	390	430	458	445	380	301	255	238
62.0	183	182	190	194	175	175	226	309	361	386	369	305	219	189	205
63.0	168	170	176	174	156	152	177	230	285	304	285	230	179	166	179
64.0	159	163	167	156	142	145	153	168	206	215	199	167	157	150	156
65.0	154	158	161	142	126	126	130	132	144	147	138	137	137	131	139
66.0	145	150	148	128	112	105	107	110	108	105	106	108	111	110	123
67.0	130	135	135	118	101	95	94	95	92	91	94	94	95	94	107
68.0	120	121	121	108	91	87	85	87	90	89	91	89	86	84	95
69.0	110	111	110	97	85	87	87	87	87	91	88	88	86	82	85
70.0	106	108	107	99	87	89	86	90	89	90	89	91	85	82	80
71.0	109	108	107	98	88	89	88	93	93	91	93	93	88	87	82
72.0	114	113	112	100	94	93	92	94	96	91	95	94	91	90	86
73.0	124	123	123	112	101	97	95	96	94	93	95	99	92	91	87
74.0	126	128	127	116	107	101	95	93	93	91	93	100	96	92	88
75.0	130	133	133	123	112	104	94	96	93	90	93	101	97	94	90
76.0	117	125	129	121	113	102	92	96	92	88	92	98	96	92	88
77.0	110	114	126	116	108	99	90	92	88	87	91	95	95	91	87
78.0	105	105	121	110	101	97	90	90	87	86	89	96	93	92	89
79.0	96	100	110	103	95	93	92	91	87	86	89	95	92	93	88
80.0	88	93	104	97	91	90	91	96	88	87	92	95	91	91	86
81.0	80	85	96	92	86	86	92	93	87	87	89	93	91	89	82
82.0	78	77	88	85	82	84	89	91	85	83	86	92	89	86	79
83.0	77	76	80	81	78	83	84	86	84	79	85	87	89	85	78
84.0	76	75	78	79	77	78	82	83	81	77	83	83	85	82	78
85.0	74	72	76	76	75	75	79	80	80	75	83	81	83	81	76
86.0	69	71	75	72	73	74	76	77	77	75	83	79	82	80	74
87.0	69	69	74	71	72	71	76	74	76	74	81	78	80	78	74
88.0	68	67	71	70	68	69	72	73	75	72	79	79	78	75	72
89.0	65	65	69	67	66	66	69	72	73	71	75	76	75	74	69
90.0	64	63	67	65	67	65	68	69	71	69	72	77	75	75	70
91.0	61	63	65	65	62	63	67	68	72	69	71	74	73	73	67
92.0	59	60	63	62	62	61	66	66	70	66	71	74	73	74	65
93.0	55	58	61	60	60	60	63	63	71	65	69	71	71	72	63
94.0	55	56	57	57	56	58	61	62	67	65	67	69	69	70	62
95.0	52	55	55	54	55	56	59	60	65	64	64	67	69	67	61
96.0	50	52	53	53	53	55	56	58	62	61	62	65	65	64	59
97.0	48	50	49	50	51	52	54	56	62	60	61	65	63	62	58
98.0	48	48	48	48	50	51	53	55	59	59	59	61	60	61	57
99.0	45	47	45	46	48	48	51	52	57	56	57	59	58	59	55
100.0	44	47	44	45	46	46	49	50	56	55	58	56	55	56	52
101.0	43	43	44	44	45	45	48	49	53	53	56	54	54	55	50
102.0	42	43	42	43	45	46	48	47	51	51	52	52	52	54	50
103.0	41	41	40	40	43	40	41	42	44	44	45	46	48	50	48
104.0	34	34	34	34	36	35	35	35	38	38	39	40	40	43	41
105.0	26	27	27	27	30	28	28	30	32	31	32	33	32	35	33
106.0	20	19	19	22	24	24	24	24	27	26	27	27	27	28	28
107.0	16	15	15	18	19	19	20	20	22	22	22	21	21	22	21





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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	638	629	616	594	591	580	601	607	650	683	723	751	759	745	700
55.0	598	581	577	557	554	550	566	566	610	640	678	710	724	696	676
56.0	557	527	523	519	509	519	532	546	575	610	646	674	688	656	640
57.0	506	475	454	446	448	470	484	515	547	583	612	643	652	626	601
58.0	428	399	377	365	372	399	423	472	513	540	569	602	621	590	562
59.0	346	311	289	285	287	316	356	407	459	496	521	565	585	559	519
60.0	269	243	238	235	233	249	280	327	379	424	464	512	528	500	454
61.0	228	217	212	212	210	217	229	242	284	336	402	450	461	430	362
62.0	208	208	200	198	199	203	206	189	194	251	334	387	398	362	277
63.0	198	193	188	184	184	191	188	160	155	190	259	318	327	284	210
64.0	181	182	174	172	172	177	164	137	145	163	187	237	249	209	166
65.0	168	169	162	160	161	164	147	129	137	146	151	169	177	155	139
66.0	156	160	153	152	154	153	137	119	119	123	126	128	127	120	115
67.0	141	148	142	145	146	143	126	108	102	105	105	102	101	95	97
68.0	126	136	135	135	137	135	116	97	95	94	94	96	95	87	85
69.0	112	118	125	124	124	123	106	89	90	89	89	93	94	86	82
70.0	104	106	113	113	111	111	99	84	87	89	91	93	95	86	87
71.0	99	99	105	105	102	102	95	84	88	92	95	92	93	89	86
72.0	98	98	104	102	102	101	95	85	90	94	97	96	96	92	89
73.0	99	98	107	101	104	104	95	86	91	95	97	95	96	94	92
74.0	100	99	106	103	107	107	97	87	92	96	100	95	97	95	97
75.0	102	100	107	104	108	110	100	88	94	98	100	96	96	94	95
76.0	101	101	108	103	108	109	102	89	98	100	99	96	95	93	93
77.0	104	102	109	105	109	110	103	90	96	96	95	93	91	91	92
78.0	106	101	106	105	107	112	99	89	95	94	97	93	89	90	91
79.0	101	99	103	101	104	109	98	87	94	94	95	94	91	90	90
80.0	95	96	96	89	97	104	97	87	92	94	97	96	95	93	93
81.0	92	90	85	81	87	99	95	84	90	94	96	96	97	94	94
82.0	87	84	79	75	79	94	89	79	89	94	96	92	94	93	91
83.0	82	76	78	75	74	87	84	78	91	95	93	91	90	90	88
84.0	82	73	76	76	72	82	81	76	88	91	90	87	85	85	83
85.0	79	71	75	77	71	78	80	76	87	89	85	84	83	83	81
86.0	77	69	74	76	72	76	79	76	86	86	84	84	83	81	77
87.0	77	68	73	77	70	76	77	73	83	83	81	82	80	78	75
88.0	76	67	70	76	69	74	76	71	82	82	80	81	79	77	75
89.0	72	67	69	74	69	72	72	68	80	81	79	79	79	77	76
90.0	71	67	68	73	67	71	71	67	78	77	75	76	76	75	73
91.0	70	64	67	72	65	68	68	65	78	78	74	74	73	73	71
92.0	72	65	66	71	65	68	67	65	77	76	73	74	72	71	69
93.0	70	65	64	69	63	67	66	64	75	74	71	73	71	70	67
94.0	67	62	64	69	62	64	66	62	75	72	70	70	69	68	67
95.0	66	61	62	68	62	64	64	62	71	69	69	71	67	66	62
96.0	64	60	61	65	58	63	62	60	68	67	66	67	63	63	61
97.0	63	59	59	63	58	62	62	57	65	64	65	66	62	62	59
98.0	61	58	58	62	56	63	58	56	65	63	62	64	60	60	59
99.0	58	56	57	60	54	60	56	54	63	60	60	60	57	58	55
100.0	56	54	55	58	52	60	56	52	60	58	59	58	56	55	53
101.0	53	53	53	57	51	59	53	51	57	55	56	58	55	55	53
102.0	52	52	53	55	50	57	51	49	57	53	55	55	52	52	51
103.0	51	51	51	54	48	55	49	49	53	51	51	48	48	48	49
104.0	44	45	46	48	46	50	46	44	45	43	43	43	42	42	42
105.0	37	35	38	39	38	38	38	39	40	38	37	36	35	35	37
106.0	30	28	30	28	31	31	31	32	31	30	30	29	30	30	30
107.0	23	22	24	22	25	26	25	26	25	23	25	24	24	25	25



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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	687	656	611	596	586	577	560	550	561	569	599	625	670	719	744
55.0	650	617	583	557	539	528	514	500	522	535	569	591	634	686	697
56.0	616	581	548	518	489	475	463	454	476	493	534	561	600	646	660
57.0	580	541	507	465	427	402	393	389	415	447	492	524	567	607	632
58.0	536	490	439	388	343	320	314	315	341	375	425	475	517	563	584
59.0	481	413	359	308	277	259	255	256	269	302	346	400	449	501	517
60.0	393	330	283	253	238	227	224	224	229	246	263	303	352	418	444
61.0	290	244	234	226	219	211	211	205	211	218	209	216	262	343	388
62.0	209	192	200	210	206	198	199	198	198	198	175	168	195	268	325
63.0	172	165	174	198	191	185	184	186	184	176	151	152	168	202	259
64.0	157	151	158	178	181	176	172	175	174	158	138	146	157	169	197
65.0	142	138	148	167	173	169	164	168	170	149	131	136	139	148	154
66.0	118	120	130	154	166	163	162	163	160	141	122	122	117	122	120
67.0	101	105	115	142	161	154	154	155	149	131	113	111	101	103	95
68.0	90	94	100	129	149	142	142	143	141	120	102	98	90	87	87
69.0	83	86	89	112	131	134	131	134	127	106	93	91	88	84	88
70.0	85	83	84	103	117	120	117	121	117	101	91	89	87	89	89
71.0	87	85	88	100	111	114	112	114	112	99	93	89	88	91	94
72.0	88	87	89	98	109	114	112	113	111	98	95	94	90	93	95
73.0	91	92	95	106	114	115	115	118	116	106	102	96	94	95	96
74.0	95	100	103	113	123	124	124	125	124	113	106	103	97	97	97
75.0	94	103	106	117	128	127	128	130	130	121	111	106	96	96	96
76.0	92	100	107	117	128	129	129	132	137	128	116	103	94	94	95
77.0	90	99	105	116	124	122	118	123	130	120	108	99	92	92	93
78.0	89	95	104	116	120	110	110	114	124	114	100	95	90	91	94
79.0	92	93	99	108	113	102	104	105	113	107	94	93	89	87	91
80.0	95	95	100	101	106	96	94	100	103	99	92	92	87	86	89
81.0	96	92	92	92	96	88	86	90	97	96	86	87	89	85	90
82.0	91	87	84	85	89	79	77	82	90	87	80	85	85	83	88
83.0	86	83	80	79	79	75	76	77	79	80	79	80	80	81	85
84.0	84	82	79	76	76	74	74	74	75	78	76	78	79	78	82
85.0	81	78	75	74	73	73	73	70	73	76	75	75	74	75	78
86.0	79	75	72	73	72	73	72	72	71	72	72	73	74	74	78
87.0	77	73	72	68	70	69	71	67	68	71	69	72	72	72	76
88.0	74	72	71	67	68	70	68	67	66	69	67	70	70	68	74
89.0	72	69	69	65	66	67	67	64	65	67	65	67	67	68	73
90.0	68	66	67	63	64	64	64	62	63	66	62	66	66	65	70
91.0	66	65	67	59	63	62	63	61	62	64	61	64	63	64	67
92.0	66	64	65	58	61	61	60	60	61	61	59	61	61	63	66
93.0	63	60	62	57	60	58	58	59	58	59	58	61	61	62	63
94.0	61	61	61	56	57	56	57	56	56	56	57	59	59	59	61
95.0	59	58	60	54	55	54	56	54	53	55	55	56	57	55	59
96.0	58	58	60	53	53	52	54	51	53	54	53	54	54	55	58
97.0	55	54	57	52	51	51	51	50	52	51	51	51	52	53	56
98.0	54	53	54	50	49	48	48	48	48	49	49	49	50	49	54
99.0	52	51	50	48	48	47	45	46	47	46	49	47	49	49	53
100.0	50	48	48	47	47	46	45	44	45	45	46	46	47	47	51
101.0	47	46	47	45	45	44	43	43	44	44	45	44	45	45	50
102.0	48	47	48	44	43	42	42	42	42	43	45	43	45	43	48
103.0	46	46	47	44	42	42	41	42	42	42	45	42	42	37	41
104.0	40	41	42	41	39	40	38	38	38	37	38	35	34	33	35
105.0	34	35	35	35	34	34	32	32	32	31	32	30	29	27	29
106.0	28	29	29	28	28	26	25	25	25	25	26	25	24	23	24
107.0	23	24	24	22	21	21	20	18	19	20	21	19	19	18	19



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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	769	762	705	655	572	540	560	474	441	564	376	549	495	534	589
55.0	731	719	667	629	554	494	510	433	397	517	369	502	452	500	555
56.0	697	672	629	606	528	445	455	391	349	446	338	452	416	467	528
57.0	656	623	600	571	491	390	379	325	288	365	284	380	352	423	489
58.0	613	581	555	506	431	322	304	270	231	286	224	303	285	358	440
59.0	547	522	475	418	350	259	240	220	195	237	184	239	227	282	360
60.0	480	448	392	316	264	207	204	193	178	214	169	209	192	214	267
61.0	425	382	313	233	191	172	187	176	163	202	157	193	179	175	188
62.0	363	317	247	182	158	143	171	161	153	188	151	178	169	149	154
63.0	292	249	194	167	147	126	157	145	140	176	143	167	158	133	146
64.0	212	187	162	154	138	118	144	139	134	173	141	162	147	121	137
65.0	161	149	139	134	124	110	130	137	130	166	138	156	133	112	120
66.0	121	117	113	115	110	102	119	139	124	158	130	149	126	106	108
67.0	96	94	94	99	102	95	110	138	120	148	124	142	115	98	94
68.0	91	86	83	87	92	83	97	127	113	134	114	125	99	87	84
69.0	91	88	85	83	85	75	87	113	101	120	104	109	88	80	79
70.0	90	88	86	82	81	74	82	103	94	108	95	99	82	78	79
71.0	91	89	87	84	80	72	78	99	92	105	94	95	79	77	80
72.0	94	91	89	85	81	73	75	97	92	103	94	94	80	81	82
73.0	97	92	91	87	84	76	76	99	95	107	97	95	84	83	83
74.0	96	95	89	86	86	77	79	99	93	104	96	94	85	85	82
75.0	94	92	88	86	85	75	78	98	93	102	97	92	85	84	81
76.0	93	89	88	87	81	74	79	94	93	102	94	90	87	83	83
77.0	91	86	86	84	80	73	76	89	89	101	93	92	85	84	83
78.0	90	84	84	82	79	75	71	84	83	97	88	89	81	85	82
79.0	88	84	84	82	78	77	70	80	78	89	84	83	81	82	81
80.0	88	87	84	83	77	75	68	75	70	80	77	78	79	78	78
81.0	87	85	82	84	73	71	65	68	65	73	70	73	75	73	79
82.0	86	84	82	81	70	68	60	62	63	71	64	67	70	69	79
83.0	82	80	79	76	70	67	57	60	63	69	61	65	68	68	78
84.0	78	77	75	75	69	65	57	58	66	66	59	64	66	66	77
85.0	77	77	74	72	70	64	54	55	64	66	57	61	63	65	75
86.0	77	77	71	72	70	63	53	54	64	64	55	59	64	65	74
87.0	76	74	71	70	70	61	53	53	62	63	55	59	61	65	72
88.0	72	72	70	68	68	59	54	48	60	61	56	57	59	64	69
89.0	71	70	67	67	65	57	51	43	59	58	54	56	57	63	67
90.0	70	68	67	65	64	57	46	41	56	56	52	56	58	64	65
91.0	69	67	66	64	61	59	46	43	52	57	52	56	55	60	63
92.0	67	67	65	64	60	58	47	43	49	55	50	52	53	57	62
93.0	65	64	64	62	58	57	48	45	49	53	49	49	51	56	61
94.0	66	64	62	59	55	57	48	44	46	52	48	47	49	54	59
95.0	62	61	59	56	54	54	47	44	44	50	46	45	48	53	58
96.0	61	58	57	53	53	51	46	42	43	48	46	44	48	50	55
97.0	58	57	55	52	50	48	44	42	41	44	44	44	45	48	54
98.0	54	53	55	50	50	47	43	39	37	45	41	42	44	46	50
99.0	53	52	53	49	47	44	41	38	35	45	37	40	42	44	49
100.0	52	52	52	47	44	44	41	36	37	43	36	38	41	43	48
101.0	51	50	50	45	45	42	41	34	35	40	37	38	40	42	47
102.0	48	47	48	42	44	42	39	32	37	40	36	37	40	42	44
103.0	40	42	41	36	37	37	35	31	33	34	33	33	35	36	36
104.0	34	34	34	32	32	30	27	25	26	30	27	28	29	32	31
105.0	27	29	27	26	24	24	21	19	19	22	21	20	22	25	23
106.0	22	23	23	21	19	19	18	16	15	16	17	17	18	20	18
107.0	18	19	17	16	15	15	15	13	12	12	13	14	14	16	15



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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	643	685	694	695	686	659	617	602	586	566	556	540	528
55.0	614	650	658	652	653	618	589	565	543	525	519	502	490
56.0	576	616	625	630	617	585	554	525	506	484	474	458	448
57.0	542	578	592	597	582	555	523	490	456	425	404	389	376
58.0	495	534	550	561	541	509	483	432	392	343	322	306	292
59.0	417	470	505	517	489	448	415	354	308	269	253	239	232
60.0	317	394	445	466	440	378	323	259	234	224	222	212	206
61.0	227	307	371	393	379	301	232	184	192	204	203	197	193
62.0	175	235	296	320	307	235	172	154	162	187	190	183	180
63.0	156	177	219	243	231	180	155	144	147	168	175	173	166
64.0	142	147	165	179	171	152	141	138	137	156	168	165	158
65.0	127	126	128	129	129	129	120	119	123	143	160	157	153
66.0	107	104	101	99	99	106	105	105	112	132	146	145	141
67.0	91	86	87	88	87	89	90	95	100	121	138	132	127
68.0	84	82	84	85	85	83	86	90	92	107	125	121	118
69.0	80	83	83	85	85	88	86	86	87	98	112	111	109
70.0	81	82	85	88	87	90	89	86	89	99	109	110	106
71.0	83	83	89	93	90	94	93	88	91	98	111	112	108
72.0	85	86	93	92	92	97	95	93	96	103	116	117	113
73.0	86	87	95	95	94	100	98	99	105	112	126	127	124
74.0	86	91	94	94	95	97	97	104	110	119	132	130	126
75.0	85	91	92	94	94	94	94	103	114	125	138	136	130
76.0	86	87	90	93	93	91	94	100	108	118	128	123	116
77.0	86	87	89	92	92	90	95	97	103	120	127	113	109
78.0	87	86	89	92	90	88	94	95	97	111	118	107	104
79.0	87	89	92	92	92	92	98	94	94	102	109	102	95
80.0	84	87	92	92	92	89	94	90	91	96	99	90	86
81.0	83	87	90	88	88	87	92	84	84	89	89	82	80
82.0	83	87	88	87	87	86	89	83	84	83	82	79	78
83.0	80	81	83	82	83	82	84	81	81	80	78	79	77
84.0	78	80	81	80	79	82	81	79	79	77	75	77	76
85.0	76	79	80	79	77	79	79	76	75	74	72	73	74
86.0	76	77	79	78	76	78	76	74	73	71	71	73	69
87.0	73	74	76	75	73	76	74	73	72	68	68	70	68
88.0	70	72	74	74	72	72	72	69	69	66	67	67	68
89.0	68	70	71	71	70	71	69	67	66	64	65	65	64
90.0	67	70	69	69	69	70	67	66	63	62	64	64	63
91.0	65	66	68	69	67	68	65	63	61	61	60	61	60
92.0	63	65	67	66	63	65	63	62	60	58	58	58	59
93.0	61	62	64	65	60	63	59	58	59	56	57	56	55
94.0	60	60	62	64	59	60	57	57	56	54	53	55	55
95.0	58	58	60	60	57	58	56	53	54	51	52	52	51
96.0	56	56	57	58	56	56	54	52	52	50	49	51	50
97.0	53	55	54	56	55	54	51	51	49	47	46	49	48
98.0	52	53	54	54	53	52	47	48	47	45	44	48	47
99.0	51	51	51	52	52	51	48	47	45	44	43	46	45
100.0	48	49	50	51	49	48	44	45	42	42	42	46	44
101.0	47	49	49	49	49	48	45	45	42	40	40	43	43
102.0	44	43	41	41	41	44	43	44	42	39	40	42	41
103.0	35	37	37	37	37	37	35	36	37	37	37	40	40
104.0	30	32	30	30	30	31	31	32	32	31	31	33	34
105.0	24	27	26	26	25	25	25	26	25	24	24	25	25
106.0	19	21	21	20	20	20	20	20	19	19	19	19	20
107.0	14	15	16	15	14	15	15	15	16	15	16	16	16



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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	14	13	13	15	16	15	15	16	18	17	17	16	16	17	17
109.0	13	13	13	14	14	14	14	14	16	15	15	14	13	14	14
110.0	13	13	14	14	14	14	14	14	16	15	15	13	13	13	13
111.0	14	14	14	14	15	14	14	14	16	15	15	14	13	13	13
112.0	14	14	14	14	15	14	14	14	16	15	15	14	13	13	13
113.0	14	14	14	15	15	14	14	14	17	16	16	14	13	13	13
114.0	13	14	14	14	15	14	14	14	17	16	15	14	13	13	13
115.0	13	13	13	14	14	14	14	14	16	16	15	14	13	13	13
116.0	13	12	13	13	14	13	13	14	16	15	15	14	12	13	13
117.0	12	11	11	13	14	13	13	13	16	15	15	14	12	12	13
118.0	12	11	10	12	13	13	12	13	15	15	14	14	12	12	12
119.0	12	11	10	10	12	12	12	12	15	14	14	14	11	12	12
120.0	11	11	10	9	10	11	12	12	14	14	13	14	11	11	12
121.0	11	9	9	9	9	10	11	11	13	13	13	13	11	11	11
122.0	10	8	8	8	8	9	10	10	11	11	11	11	10	11	11
123.0	9	7	7	8	8	8	8	9	10	10	10	10	9	9	10
124.0	8	7	6	7	7	7	7	8	8	9	9	9	8	8	8
125.0	7	6	5	5	7	7	7	7	7	8	8	8	8	7	7
126.0	6	5	4	5	6	6	6	6	7	7	7	7	7	7	7
127.0	6	5	4	4	5	6	6	6	6	6	7	7	6	6	6
128.0	5	5	4	4	4	5	6	6	6	6	6	6	6	6	6
129.0	5	5	4	4	4	4	5	5	5	6	6	6	6	6	6
130.0	5	4	4	4	4	4	5	5	5	5	5	6	6	5	5
131.0	5	4	4	4	3	4	4	5	5	5	5	5	5	4	4
132.0	5	4	4	3	3	3	4	4	4	5	5	5	5	4	4
133.0	4	4	4	3	3	3	3	4	4	4	4	4	4	3	3
134.0	4	4	4	3	3	3	3	3	4	4	4	4	4	3	3
135.0	4	4	4	3	3	3	3	3	3	4	4	4	3	2	3
136.0	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2
137.0	4	4	3	3	2	2	2	3	3	3	3	3	3	2	2
138.0	3	3	3	3	2	2	2	2	3	3	3	3	2	2	2
139.0	3	3	3	3	2	2	2	2	2	3	3	3	2	2	2
140.0	3	3	3	3	2	2	2	2	2	2	2	2	2	1	2
141.0	3	3	3	2	2	2	1	2	2	2	2	2	2	1	1
142.0	2	2	2	2	2	2	1	1	2	2	2	2	2	1	1
143.0	2	2	2	2	2	2	1	1	1	2	2	2	2	1	1
144.0	2	2	2	2	2	1	1	1	1	1	2	2	1	1	1
145.0	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
146.0	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
147.0	2	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)

	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	19	18	19	17	19	20	20	21	19	17	17	19	19	20	20
109.0	16	16	15	14	17	16	16	17	15	13	14	16	16	16	16
110.0	14	14	13	12	14	14	14	15	13	12	14	14	14	15	15
111.0	14	13	13	12	14	14	14	15	13	12	15	14	14	15	15
112.0	13	12	11	11	13	13	13	15	13	13	15	14	15	16	16
113.0	13	12	11	11	12	13	13	15	12	13	15	15	15	16	16
114.0	13	12	11	11	12	13	13	15	13	13	15	15	15	16	16
115.0	13	11	11	10	12	12	13	15	12	13	15	15	15	16	16
116.0	13	11	11	10	11	12	13	15	12	13	14	14	15	16	16
117.0	13	11	11	10	11	12	13	15	12	12	12	14	15	15	16
118.0	12	10	10	10	11	11	12	15	11	11	11	13	15	15	16
119.0	11	10	10	10	10	11	12	14	11	10	11	13	14	15	15
120.0	11	9	10	9	10	10	11	12	10	9	12	13	14	14	15
121.0	11	9	9	9	9	10	10	10	9	9	12	13	13	14	15
122.0	10	9	9	9	9	9	9	8	8	9	11	12	12	13	13
123.0	9	8	8	8	8	8	8	7	8	8	9	11	11	11	11
124.0	8	8	7	7	7	7	7	7	7	7	7	9	10	10	10
125.0	7	7	7	6	7	6	6	7	7	6	6	8	8	9	9
126.0	7	6	6	6	6	6	6	6	6	5	6	7	8	8	8
127.0	6	6	6	5	6	6	6	6	5	4	6	7	7	7	7
128.0	6	6	6	5	5	5	6	5	4	4	6	6	7	7	6
129.0	6	5	5	5	5	5	5	4	4	5	5	6	6	6	6
130.0	5	5	5	5	5	5	4	4	4	5	5	6	6	6	6
131.0	5	5	5	5	5	4	4	4	4	4	5	5	6	5	5
132.0	5	5	5	5	4	4	3	4	4	4	5	5	5	5	5
133.0	5	5	5	4	4	3	3	3	4	4	4	5	5	5	5
134.0	4	4	4	4	4	3	3	3	3	4	4	5	5	5	5
135.0	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4
136.0	3	3	3	3	3	3	2	3	3	3	4	4	4	4	4
137.0	3	3	3	3	3	2	2	2	3	3	4	4	4	4	4
138.0	3	3	3	3	2	2	2	2	2	3	3	4	4	4	4
139.0	2	3	3	2	2	2	2	2	2	3	3	3	3	3	3
140.0	2	2	2	2	2	1	1	2	2	3	3	3	3	3	3
141.0	2	2	2	2	2	1	1	2	2	2	3	3	3	3	3
142.0	2	2	2	2	1	1	1	2	2	2	2	3	3	3	3
143.0	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2
144.0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
145.0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
146.0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
147.0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
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)

	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	19	19	19	18	17	16	16	13	14	16	17	15	15	14	14
109.0	15	15	16	14	13	14	13	13	12	13	15	12	12	12	12
110.0	14	14	15	13	12	13	13	13	13	13	15	12	12	12	13
111.0	14	14	15	14	13	13	13	13	13	13	15	13	12	12	13
112.0	14	15	15	14	13	13	13	14	13	14	15	13	13	12	13
113.0	14	15	16	14	14	13	14	14	14	14	15	13	13	12	13
114.0	14	15	16	14	14	13	13	13	13	14	16	13	13	12	13
115.0	14	15	16	14	14	13	13	13	13	13	15	13	13	12	13
116.0	14	15	15	14	13	12	12	13	13	13	15	13	12	12	13
117.0	14	14	15	13	13	12	12	11	12	13	15	12	12	12	13
118.0	13	14	14	13	13	12	11	10	10	12	15	12	12	11	12
119.0	13	14	14	13	12	12	11	10	9	11	14	11	11	11	12
120.0	13	13	14	12	12	12	11	11	9	9	10	10	11	11	11
121.0	12	13	13	12	12	11	10	10	9	8	9	9	10	10	11
122.0	12	12	13	11	11	11	10	8	9	8	8	8	9	9	9
123.0	11	11	11	10	11	10	9	7	7	8	7	7	8	8	8
124.0	9	10	10	9	9	9	8	6	6	7	7	6	7	7	7
125.0	8	8	8	8	8	8	7	5	5	6	6	6	6	6	6
126.0	7	7	7	7	7	7	6	5	4	5	5	6	6	6	6
127.0	7	7	7	6	6	6	6	4	3	4	5	5	5	5	6
128.0	6	6	6	6	6	6	5	4	3	3	4	5	5	5	5
129.0	6	6	6	6	6	6	5	4	3	3	4	5	5	5	5
130.0	6	6	6	5	5	5	5	4	3	3	3	4	5	5	5
131.0	5	5	5	5	5	5	5	4	3	3	3	4	4	5	5
132.0	5	5	5	5	5	5	5	4	3	3	3	3	4	4	5
133.0	5	5	5	5	5	5	5	4	3	3	3	3	4	4	4
134.0	5	5	4	4	4	4	4	4	4	3	3	3	3	4	4
135.0	4	4	4	4	4	4	4	4	3	3	3	3	3	3	4
136.0	4	4	4	4	4	4	4	4	3	3	2	2	3	3	3
137.0	4	4	4	4	4	4	4	4	3	3	2	2	2	3	3
138.0	4	4	4	3	3	3	3	3	3	3	2	2	2	2	3
139.0	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
140.0	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
141.0	3	3	3	3	3	3	3	3	3	2	2	2	1	2	2
142.0	3	3	3	2	2	2	2	2	2	2	2	1	1	1	2
143.0	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
144.0	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
145.0	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
146.0	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
147.0	2	2	2	2	2	2	2	2	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)

	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	14	15	13	13	12	11	12	11	10	10	10	10	11	13	11
109.0	12	13	12	12	11	10	11	9	10	10	10	10	10	13	11
110.0	12	13	12	12	11	11	11	10	10	10	11	11	11	13	11
111.0	12	13	13	12	12	11	12	10	11	10	11	11	11	14	12
112.0	13	13	13	12	12	12	12	10	11	10	12	12	12	14	12
113.0	13	14	13	12	12	12	12	11	11	11	11	11	12	15	12
114.0	13	14	13	12	12	12	12	11	11	10	11	11	12	14	12
115.0	13	14	14	12	12	11	12	10	11	10	11	11	11	14	12
116.0	13	14	14	12	11	11	12	10	10	10	11	11	11	14	12
117.0	12	13	13	11	11	11	12	9	10	10	11	10	11	14	11
118.0	12	13	13	11	11	11	12	9	10	9	10	10	11	14	11
119.0	12	13	13	11	11	11	12	9	9	9	10	10	10	12	9
120.0	12	12	13	11	10	10	12	9	9	9	10	9	9	9	8
121.0	11	11	12	10	10	10	11	8	8	9	9	9	8	8	8
122.0	9	10	10	9	9	9	9	8	7	8	8	8	8	7	8
123.0	8	8	8	8	8	8	8	7	6	7	7	7	7	6	7
124.0	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6
125.0	7	7	7	6	6	6	6	6	5	6	5	5	6	6	5
126.0	6	6	6	6	6	6	5	5	5	5	5	5	5	5	4
127.0	6	6	6	5	5	5	5	5	5	5	5	5	5	5	4
128.0	5	5	5	5	5	5	5	5	5	5	5	5	5	4	3
129.0	5	5	5	5	5	5	5	5	4	4	4	5	4	4	3
130.0	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3
131.0	5	5	5	4	4	4	4	4	4	4	4	4	3	3	3
132.0	5	5	4	4	4	4	4	4	4	4	4	4	3	3	3
133.0	4	4	4	4	3	3	4	4	4	4	4	3	3	3	3
134.0	4	4	4	3	3	3	4	4	4	3	3	3	3	3	3
135.0	4	4	4	3	2	3	3	4	3	3	3	3	3	2	3
136.0	3	4	3	3	2	2	3	3	3	3	3	3	2	2	2
137.0	3	3	3	2	2	2	3	3	3	3	3	2	2	2	2
138.0	3	3	3	2	2	2	3	3	3	3	2	2	2	2	2
139.0	3	3	3	2	2	2	2	3	2	2	2	2	2	2	2
140.0	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
141.0	2	2	2	2	1	2	2	2	2	2	2	1	1	2	2
142.0	2	2	2	2	1	1	2	2	2	2	1	1	1	2	2
143.0	2	2	2	2	1	1	2	2	2	1	1	1	1	1	2
144.0	1	2	2	1	1	1	1	2	1	1	1	1	1	1	2
145.0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
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	12	13	13	12	12	12	12	13	13	12	13	13	13
109.0	11	14	12	12	12	12	12	12	13	12	13	13	13
110.0	12	14	13	12	12	12	12	13	14	13	13	13	13
111.0	12	14	13	13	13	13	13	13	14	13	13	14	13
112.0	12	14	13	13	13	13	13	14	14	14	14	14	14
113.0	12	14	13	13	13	13	13	14	14	14	13	13	14
114.0	12	14	13	13	13	13	13	13	14	13	13	13	13
115.0	12	13	13	13	13	13	12	13	14	13	13	13	13
116.0	11	11	12	13	12	13	12	13	13	12	12	12	12
117.0	10	10	12	12	12	13	12	12	13	12	12	12	12
118.0	10	10	12	12	12	12	11	12	13	12	12	12	12
119.0	9	11	12	12	11	12	11	12	12	11	11	11	11
120.0	9	12	11	11	11	12	11	12	12	11	11	11	11
121.0	9	9	10	10	10	10	10	11	11	10	10	10	10
122.0	8	7	9	9	9	9	9	9	9	9	10	10	10
123.0	7	6	7	8	8	8	8	8	8	8	9	9	9
124.0	5	5	6	7	7	7	7	7	7	7	7	7	7
125.0	4	4	6	6	6	6	6	6	6	6	6	7	6
126.0	3	4	5	6	6	6	6	6	6	6	6	6	6
127.0	3	4	5	6	6	5	5	6	6	6	6	6	6
128.0	3	4	5	5	5	5	5	5	5	5	5	5	5
129.0	3	4	5	5	5	5	5	5	5	5	5	5	5
130.0	3	4	5	5	5	5	5	5	5	5	5	5	5
131.0	3	4	5	5	5	5	5	5	5	5	5	5	5
132.0	3	4	4	5	5	5	5	5	5	5	5	5	5
133.0	3	4	4	4	4	4	4	4	4	4	4	4	4
134.0	3	4	4	4	4	4	4	4	4	4	4	4	4
135.0	3	4	4	4	4	4	4	4	4	4	4	4	4
136.0	3	3	4	4	4	4	4	4	4	4	4	4	4
137.0	3	3	3	3	3	4	4	4	3	4	3	3	3
138.0	3	3	3	3	3	3	3	3	3	3	3	3	3
139.0	3	3	3	3	3	3	3	3	3	3	3	3	3
140.0	2	3	3	3	3	3	3	3	3	3	3	3	3
141.0	2	2	3	3	3	3	3	3	3	3	3	3	3
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	2	2	2	2	2	2	2	2	2	2	2	2	2
145.0	2	2	2	2	2	2	2	2	2	2	2	2	2
146.0	2	2	2	2	2	2	2	2	2	2	2	2	2
147.0	1	2	2	2	2	2	2	2	2	2	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	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)

	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	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)

	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	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)

	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