





Project No: 10021186  
Report No: 10021186-11  
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 700 mA
<b>Product Description:</b>	LED outdoor luminaire
<b>Model Number(s):</b>	URBAN LED simmetrico 700 mA
<b>ECG Model:</b>	VOSSLOH SCHWABE LEDline Type ECXe 700.022 Ref: 186201
<b>Electrical Ratings:</b>	230Vac 50Hz
<b>Test Sample(s) Received Date:</b>	2013-JUN-21
<b>Test Period:</b>	2013-JUN-26 to 2013-JUN-26
<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	014009-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

014009-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
229.93 V	0.18 A	40.16 W	0.99

#### Test Results

Result Name	Result
Test Date	2013-JUN-26 02:00:00 PM
Current THD	10.6 %
Luminous Flux	2785.7 lm
Luminous Efficacy	69.4 lm/W
Luminous Opening Length	150.0 mm
Luminous Opening Width	150.0 mm
Luminous Opening Height	0.0 mm



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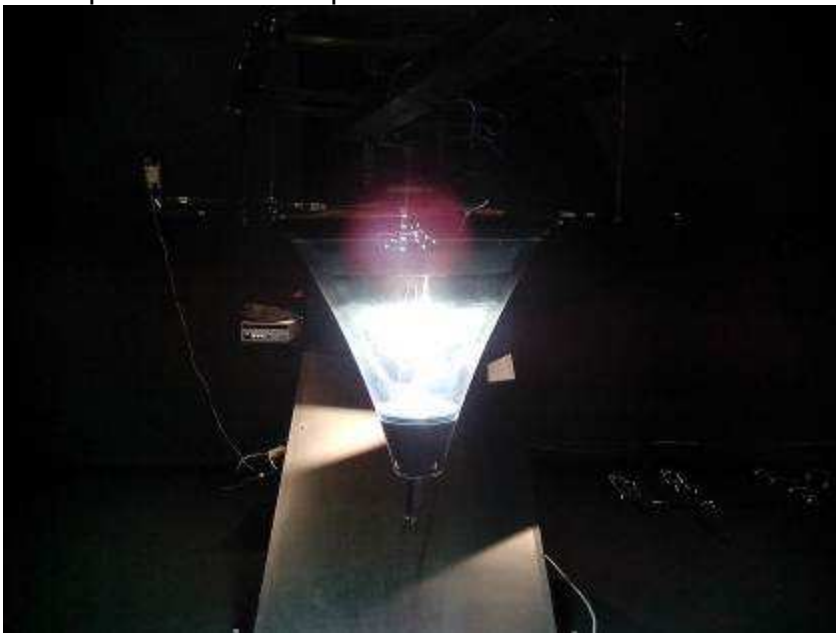
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### Photo of Sample(s)

Sample



Goniophotometer set-up

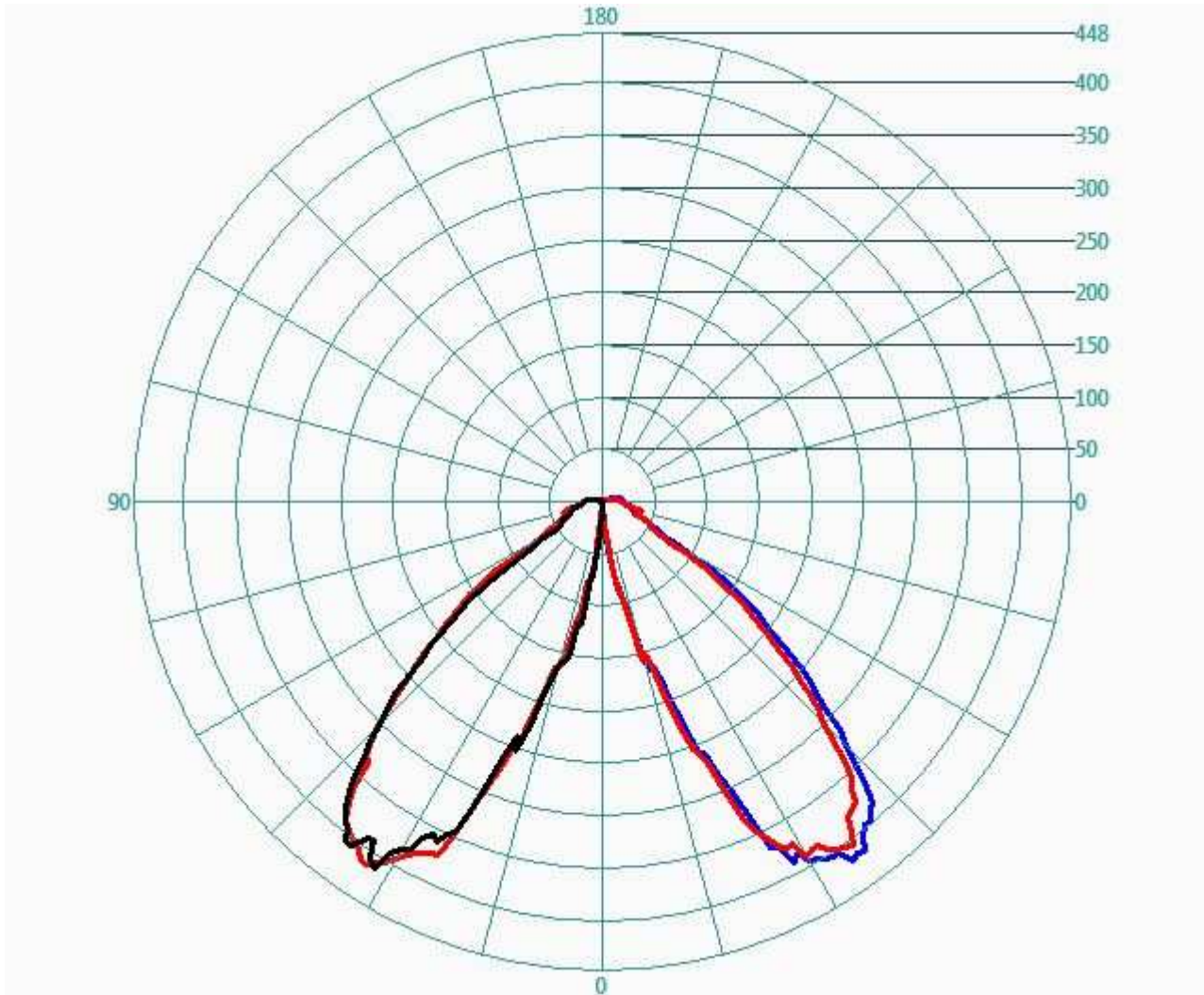




## Verification Services Test Report

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### Polar diagram (cd/Klm)



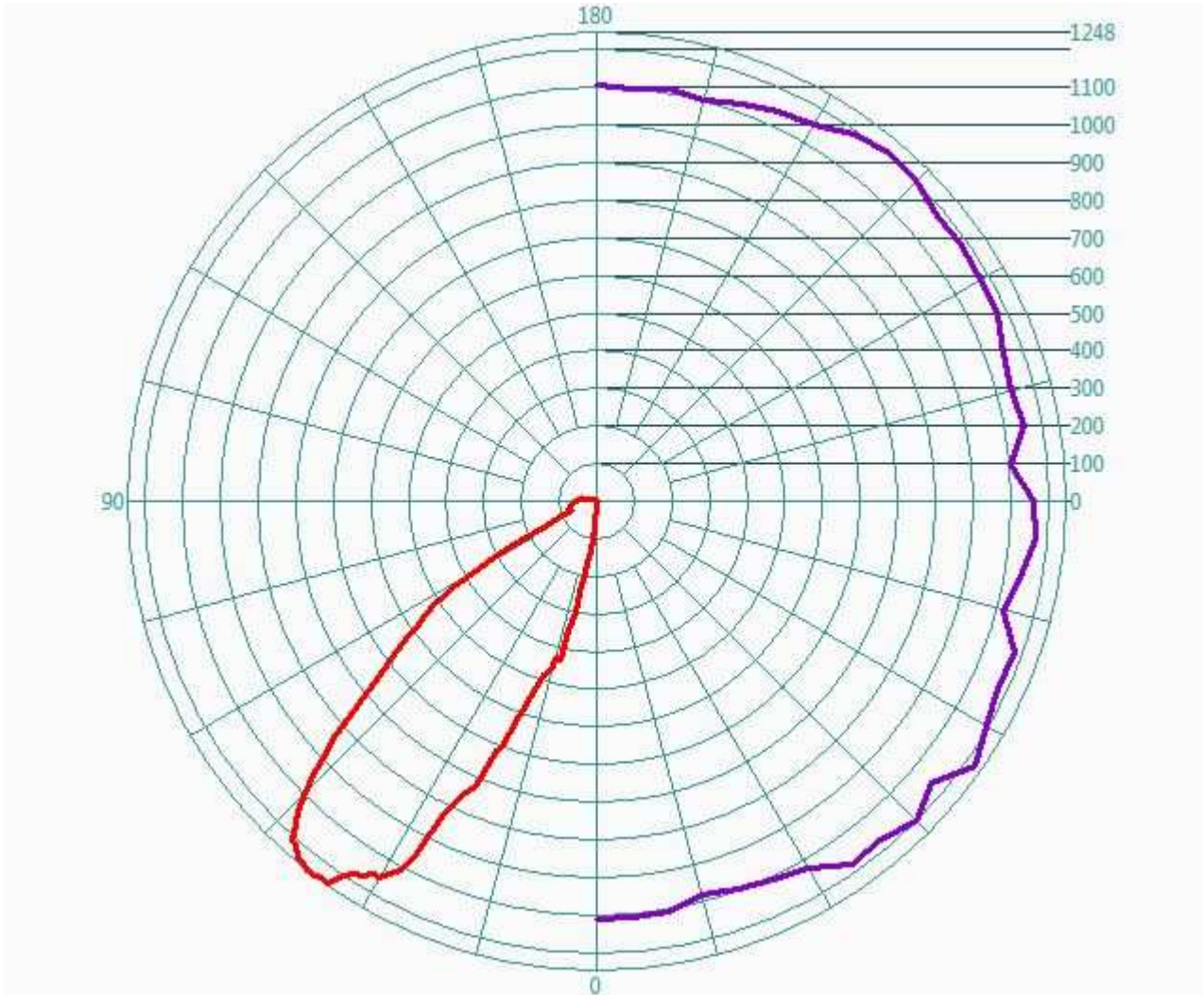


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### Max cone and plane (cd)

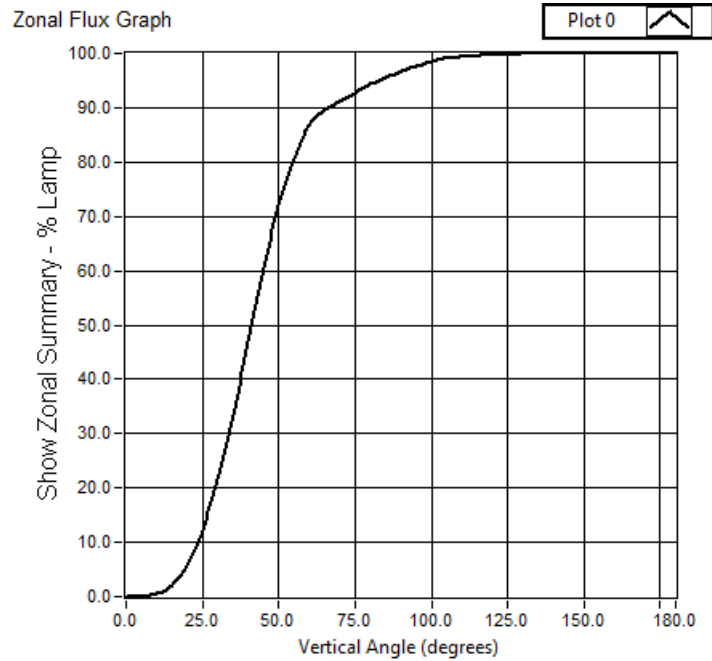




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Test Item Number: 014009

### Zonal Lumen Summary

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	570.79	20.49	20.49
0 to 40	1266.55	45.47	45.47
0 to 60	2403.00	86.26	86.26
0 to 90	2688.75	96.52	96.52
40 to 90	1422.20	51.05	51.05
60 to 90	285.75	10.26	10.26
90 to 180	96.92	3.48	3.48
0 to 180	2785.68	100.00	100.00





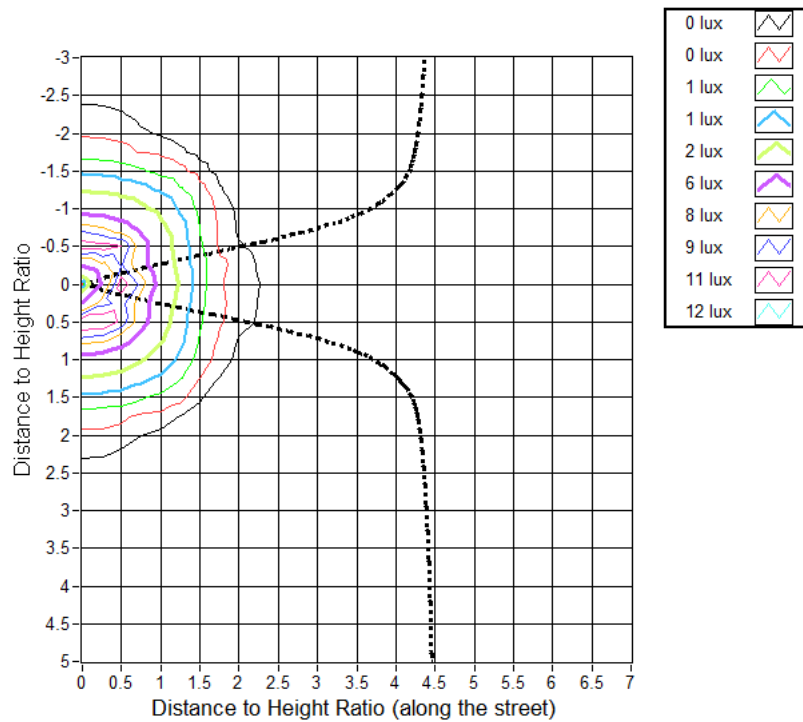


Test Report Number: 10021186-11  
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### Isolluminance Merged Chart

#### 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 (%)
1346.28	48.33	290.50	10.43	914.22	32.82	108.18	3.88	33.39	1.20

##### 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 (%)
1342.39	48.19	280.31	10.06	917.91	32.95	110.42	3.96	33.75	1.21





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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	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
5.00	58.4	56.7	51.6	42.5	31.5	56.3	45.5	35.2	26.8	15.6
10.00	221.3	198.0	235.3	290.8	245.8	198.2	213.4	219.0	228.0	219.2
15.00	456.0	472.5	526.6	476.3	423.5	506.6	421.1	404.2	433.5	426.5
20.00	694.7	718.7	735.1	672.4	650.6	723.6	625.4	653.5	612.8	593.9
25.00	1039.6	1003.7	993.6	982.5	983.2	948.1	934.3	910.1	908.5	883.5
30.00	1097.8	1069.9	1129.0	1057.1	1125.1	1132.9	1085.7	1080.4	1112.7	1127.0
35.00	1129.9	1162.9	1119.6	1132.7	1182.6	1190.1	1196.8	1158.2	1141.0	1208.8
37.00	1113.3	1111.2	1083.0	1111.6	1180.4	1200.1	1225.7	1179.5	1118.9	1171.0
40.00	1046.4	1037.7	1041.5	1078.8	1164.7	1203.8	1192.0	1158.4	1140.1	1083.7
45.00	845.0	843.4	866.4	915.9	1021.5	1101.0	1081.5	1033.2	973.2	908.0
50.00	604.2	596.0	620.3	665.4	754.4	846.9	798.7	759.8	724.7	694.5
55.00	430.7	419.9	442.9	476.8	548.1	606.4	579.1	555.6	518.9	492.5
60.00	177.6	183.6	209.5	294.4	384.3	455.0	419.6	358.1	270.1	222.1
65.00	130.0	133.4	134.7	109.4	123.0	159.4	139.1	120.8	133.8	139.0
70.00	90.4	87.6	84.8	71.4	71.2	72.8	68.7	69.4	79.6	94.6
75.00	108.1	108.5	98.5	88.2	76.8	78.7	76.3	77.9	77.2	83.1
80.00	73.5	74.7	81.7	76.3	73.5	76.2	75.3	74.0	73.8	82.5
85.00	58.7	60.0	59.9	60.7	62.1	64.6	64.5	67.5	64.1	57.5
90.00	51.0	51.7	51.1	52.9	55.0	56.2	57.4	61.3	55.9	53.0

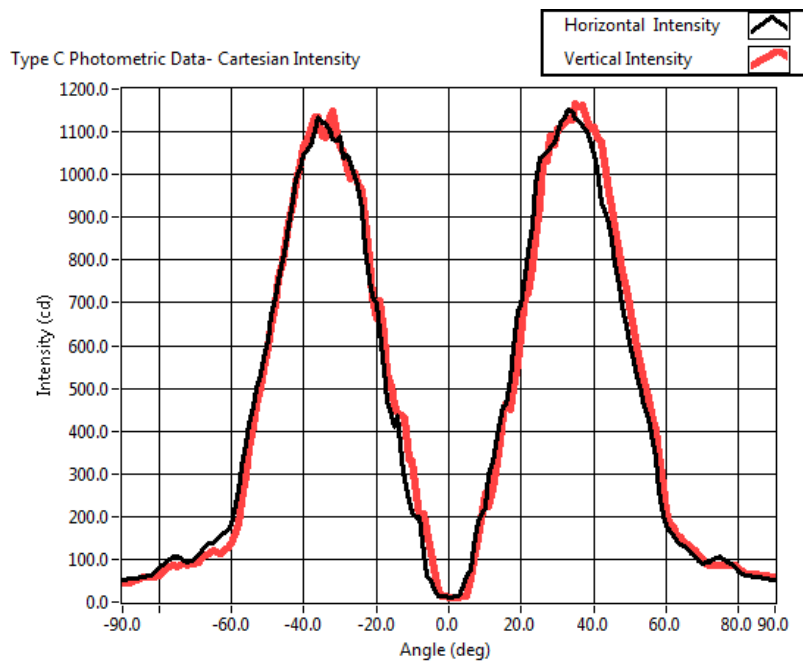
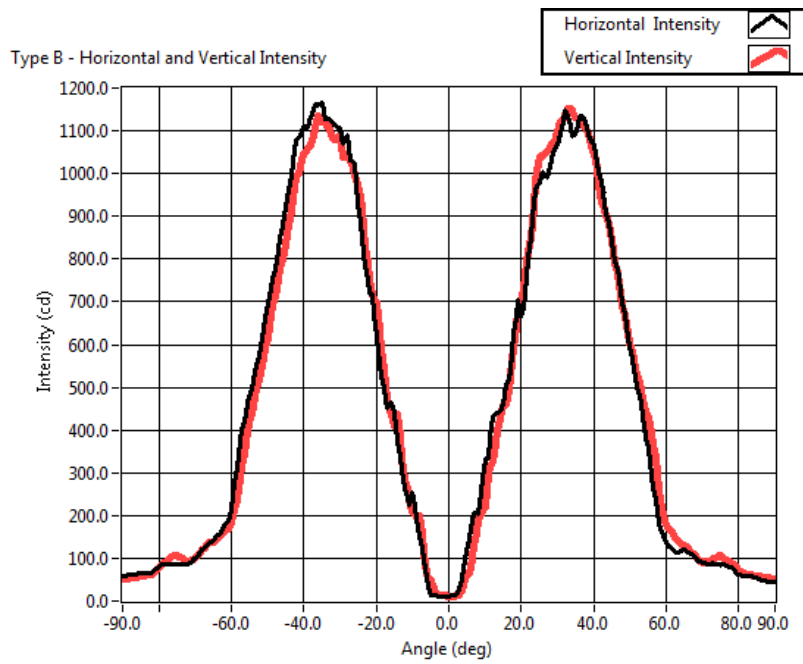
Luminous Intensity Values - House Side

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	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
5.00	14.0	14.7	25.0	42.0	38.2	41.1	29.4	28.2	24.9	52.7	48.3
10.00	252.7	229.9	239.3	227.7	177.9	162.1	241.2	251.4	188.5	193.0	210.6
15.00	441.5	389.0	409.5	402.1	401.2	432.9	426.2	428.2	449.4	429.4	409.3
20.00	619.6	619.4	614.3	625.7	694.4	679.9	641.9	646.1	738.8	677.6	699.0
25.00	927.1	895.7	917.0	887.6	891.8	924.8	900.7	898.2	959.7	1007.1	972.8
30.00	1106.1	1061.9	1064.9	1108.2	1096.3	1050.2	1089.0	1076.9	1131.5	1069.7	1089.8
35.00	1166.1	1153.1	1133.4	1165.4	1189.9	1171.3	1167.9	1143.5	1116.0	1129.0	1120.8
37.00	1162.4	1108.0	1138.5	1176.1	1183.6	1205.4	1191.5	1145.0	1104.6	1098.9	1105.0
40.00	1109.0	1078.0	1099.7	1126.4	1182.6	1185.9	1163.3	1134.1	1101.7	1052.7	1046.5
45.00	921.1	896.3	926.9	966.9	1090.0	1094.3	1081.7	974.9	904.3	846.1	831.4
50.00	693.8	663.7	673.4	714.5	816.3	853.8	819.0	725.7	670.8	627.8	611.6
55.00	477.7	471.7	478.2	512.0	574.2	611.7	579.7	522.0	477.6	430.0	416.8
60.00	213.4	216.7	255.6	329.4	401.7	446.8	401.7	306.1	217.3	187.8	182.3
65.00	142.0	138.7	138.0	112.5	133.2	164.1	124.8	114.8	132.4	142.1	137.8
70.00	99.9	101.5	92.8	68.1	75.0	77.0	71.4	70.2	78.7	100.0	98.9
75.00	85.4	87.6	86.1	74.0	81.4	79.7	79.0	81.9	91.1	104.5	106.2
80.00	79.4	80.6	82.5	73.8	76.2	77.4	73.8	77.2	82.7	80.5	77.8
85.00	65.0	59.9	66.8	69.1	68.5	66.0	67.6	64.3	58.6	57.3	57.8
90.00	58.1	53.4	61.2	65.1	60.8	61.4	58.1	55.7	53.4	50.5	49.9



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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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
3.0	13	13	13	13	12	12	12	12	12	12	12	12	12	12	12
4.0	36	22	15	17	16	19	21	21	21	20	17	18	15	14	13
5.0	58	57	62	52	45	43	33	31	39	56	49	46	32	35	30
6.0	75	98	98	64	59	61	77	121	114	97	81	60	59	58	47
7.0	131	136	114	100	102	110	82	79	88	68	60	67	67	63	66
8.0	188	210	179	150	166	138	140	126	111	105	86	86	96	103	103
9.0	201	202	228	201	245	234	198	171	188	157	129	146	167	182	209
10.0	221	198	226	235	239	291	250	246	237	198	170	213	234	219	278
11.0	297	286	248	251	295	317	291	255	294	265	222	296	279	304	243
12.0	327	324	291	280	290	288	262	284	312	397	292	312	297	278	279
13.0	367	373	337	340	344	321	316	338	403	457	375	363	360	300	260
14.0	428	444	396	423	417	367	373	386	421	439	409	413	414	356	337
15.0	456	473	427	527	472	476	439	423	455	507	457	421	439	404	429
16.0	461	472	488	533	534	535	532	473	490	463	455	439	518	471	462
17.0	522	547	512	570	498	578	591	572	535	510	537	544	557	505	515
18.0	596	582	560	596	598	606	627	617	620	602	591	590	582	540	543
19.0	681	676	652	652	628	656	681	646	650	680	602	601	607	603	617
20.0	695	719	718	735	723	672	655	651	680	724	671	625	649	654	661
21.0	762	757	749	813	760	743	781	709	766	767	708	728	694	676	701
22.0	817	800	827	809	815	819	834	760	766	781	724	760	739	764	818
23.0	881	852	855	814	845	907	875	844	833	864	783	823	831	827	844
24.0	977	976	1000	903	847	898	891	876	865	902	824	846	841	910	856
25.0	1040	1004	1044	994	963	983	921	983	928	948	896	934	855	910	881
26.0	1042	1018	1062	1018	1048	1024	971	1020	955	963	946	982	924	927	941
27.0	1051	1017	1101	1060	1054	1040	1037	1034	979	990	957	1027	978	967	1019
28.0	1062	1032	1086	1073	1071	1041	1023	1066	1039	1042	1001	1086	1038	1017	1044
29.0	1073	1054	1102	1097	1046	1052	1082	1089	1112	1105	1033	1087	1070	1067	1106
30.0	1098	1070	1138	1129	1083	1057	1080	1125	1081	1133	1065	1086	1069	1080	1085
31.0	1121	1059	1118	1121	1105	1081	1083	1143	1110	1134	1099	1115	1112	1121	1106
32.0	1135	1076	1123	1124	1108	1094	1112	1185	1081	1168	1124	1164	1103	1142	1154
33.0	1153	1097	1110	1130	1122	1109	1127	1177	1147	1164	1138	1175	1111	1131	1151
34.0	1147	1120	1130	1114	1139	1125	1114	1171	1177	1182	1159	1187	1135	1162	1148
35.0	1130	1163	1129	1120	1119	1133	1114	1183	1191	1190	1152	1197	1154	1158	1157
36.0	1123	1134	1140	1112	1108	1117	1130	1163	1194	1198	1173	1211	1185	1183	1163
37.0	1113	1111	1106	1083	1100	1112	1127	1180	1173	1200	1163	1226	1199	1179	1182
38.0	1101	1078	1069	1070	1079	1102	1143	1172	1198	1231	1162	1206	1212	1176	1140
39.0	1085	1048	1049	1050	1075	1090	1158	1198	1210	1226	1163	1198	1205	1164	1135
40.0	1046	1038	1045	1041	1044	1079	1134	1165	1197	1204	1165	1192	1189	1158	1125
41.0	1014	1032	1011	1020	1023	1072	1131	1144	1169	1208	1178	1178	1175	1154	1119
42.0	933	983	981	993	1014	1051	1111	1124	1148	1181	1161	1154	1139	1151	1107
43.0	919	944	937	944	959	1017	1071	1093	1117	1163	1149	1139	1094	1137	1079
44.0	883	884	875	905	918	969	1032	1064	1090	1141	1121	1098	1047	1077	1030
45.0	845	843	840	866	865	916	984	1022	1053	1101	1079	1082	1016	1033	989
46.0	791	792	790	823	833	875	930	967	1009	1063	1031	1034	972	967	932
47.0	743	737	740	799	786	822	871	922	956	1023	977	962	945	929	877
48.0	691	686	678	736	739	775	826	861	898	950	926	906	890	867	832
49.0	646	636	636	670	679	722	768	806	838	899	865	858	850	820	792
50.0	604	596	596	620	632	665	710	754	788	847	815	799	794	760	747
51.0	565	547	555	576	585	607	656	711	755	775	769	745	727	715	696
52.0	529	512	520	531	546	567	609	658	701	722	722	696	677	673	650
53.0	493	483	488	500	514	534	571	613	649	673	680	648	633	630	600



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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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
3.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
4.0	12	12	12	12	12	12	13	13	13	13	13	14	13	13	14
5.0	27	20	16	14	15	18	25	32	42	40	38	45	41	35	29
6.0	51	53	43	54	64	54	53	41	43	44	46	49	46	59	55
7.0	86	102	103	97	88	73	70	56	61	66	66	57	58	73	59
8.0	107	127	126	152	143	121	107	101	94	88	85	63	63	78	75
9.0	191	190	210	193	189	223	213	150	130	117	140	134	148	139	154
10.0	228	225	219	253	230	200	239	257	228	203	178	162	162	184	241
11.0	258	236	212	223	210	254	243	231	285	301	264	202	209	266	262
12.0	296	253	269	266	264	240	289	241	247	271	279	315	319	295	255
13.0	278	286	318	305	306	270	290	270	268	302	366	398	398	327	328
14.0	326	371	375	374	358	369	343	319	333	368	344	401	402	359	375
15.0	434	458	426	441	389	478	410	407	402	382	401	446	433	418	426
16.0	468	473	453	464	428	453	483	515	494	471	455	463	414	451	471
17.0	510	520	441	452	431	495	488	522	525	550	519	505	525	524	595
18.0	511	554	461	499	479	522	482	510	577	553	610	603	554	582	589
19.0	531	536	501	556	521	518	513	633	629	617	653	611	623	585	644
20.0	613	600	594	620	619	595	614	628	626	623	694	679	680	648	642
21.0	711	755	694	719	696	702	725	681	642	664	719	716	699	726	724
22.0	801	791	711	721	712	732	796	798	726	780	772	755	746	784	764
23.0	818	848	755	785	773	783	817	816	865	842	801	804	769	809	838
24.0	877	831	774	848	788	834	862	833	878	872	823	839	791	879	884
25.0	908	859	884	927	896	913	917	861	888	893	892	950	925	933	901
26.0	979	945	1004	1026	1022	1012	947	932	925	961	928	984	966	944	946
27.0	1089	1009	1087	1033	1097	1074	980	986	982	994	978	1001	994	964	958
28.0	1078	1048	1088	1091	1058	1082	1032	1010	995	1027	1032	1022	1020	1016	1016
29.0	1115	1071	1100	1069	1048	1037	1041	1061	1082	1036	1073	1063	1040	1046	1046
30.0	1113	1094	1127	1106	1062	1060	1065	1081	1108	1079	1096	1065	1050	1082	1089
31.0	1126	1104	1133	1110	1065	1097	1091	1070	1072	1093	1119	1083	1081	1109	1101
32.0	1128	1132	1133	1121	1098	1094	1110	1106	1121	1128	1162	1105	1107	1124	1110
33.0	1139	1141	1134	1126	1114	1099	1139	1125	1123	1138	1180	1130	1133	1145	1138
34.0	1150	1152	1189	1127	1131	1110	1159	1137	1160	1150	1170	1162	1140	1179	1165
35.0	1141	1171	1209	1166	1153	1137	1133	1145	1165	1167	1190	1167	1171	1204	1168
36.0	1146	1168	1181	1159	1126	1146	1143	1145	1171	1173	1175	1186	1193	1216	1171
37.0	1119	1146	1171	1162	1108	1153	1138	1151	1176	1178	1184	1184	1205	1210	1192
38.0	1134	1143	1138	1131	1109	1137	1124	1142	1151	1167	1186	1205	1198	1219	1197
39.0	1144	1142	1139	1108	1111	1112	1109	1121	1143	1165	1193	1197	1187	1193	1177
40.0	1140	1117	1084	1109	1078	1105	1100	1101	1126	1148	1183	1208	1186	1183	1163
41.0	1107	1100	1055	1088	1036	1074	1069	1079	1113	1132	1171	1207	1181	1161	1164
42.0	1081	1060	1035	1077	1007	1045	1049	1052	1090	1137	1158	1197	1188	1161	1145
43.0	1057	1032	1007	1027	989	990	1025	1031	1051	1122	1149	1187	1168	1138	1152
44.0	1018	987	951	960	932	951	978	983	1016	1068	1112	1135	1130	1113	1118
45.0	973	936	908	921	896	907	927	943	967	1028	1090	1100	1094	1083	1082
46.0	941	893	864	878	850	863	886	907	927	972	1045	1079	1069	1059	1039
47.0	873	847	829	818	818	825	833	849	873	929	982	1032	1021	1007	978
48.0	821	795	790	774	768	782	779	791	823	886	928	968	968	966	917
49.0	781	752	744	731	715	733	721	744	787	830	881	903	909	900	860
50.0	725	715	695	694	664	681	673	696	715	773	816	849	854	824	819
51.0	683	658	639	635	616	624	634	642	672	718	755	784	792	789	768
52.0	633	605	594	596	575	571	581	590	633	663	706	744	744	738	716
53.0	579	570	560	551	539	534	540	545	587	612	649	683	689	679	654



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	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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2.0	12	12	12	12	12	13	13	13	13	13	13	13	13	14	13
3.0	12	13	13	13	13	13	14	14	17	23	26	27	30	33	34
4.0	13	13	14	14	15	19	30	45	48	43	53	56	58	48	44
5.0	27	28	21	25	51	53	48	49	48	53	46	55	79	68	57
6.0	63	61	81	88	84	66	61	53	57	63	66	65	72	71	61
7.0	75	115	115	105	105	92	114	106	91	89	96	112	118	144	140
8.0	115	139	112	132	153	171	199	162	157	188	147	136	143	158	145
9.0	161	184	198	188	184	187	195	209	224	262	215	191	140	173	181
10.0	215	251	227	189	193	193	211	253	214	283	247	257	284	298	249
11.0	242	236	245	229	228	243	238	276	239	270	254	281	297	366	389
12.0	269	247	273	283	305	311	284	278	291	273	322	345	321	409	416
13.0	315	290	273	324	322	315	332	327	353	347	385	360	362	389	471
14.0	371	362	364	390	392	406	436	358	433	394	380	358	377	401	446
15.0	375	428	453	449	416	429	409	428	503	466	494	442	400	456	460
16.0	486	460	480	472	438	423	435	462	505	506	523	535	475	499	489
17.0	527	516	516	496	477	512	469	509	481	553	557	613	533	565	506
18.0	580	581	557	526	543	534	543	543	561	636	601	660	582	612	585
19.0	619	628	630	601	663	608	632	634	603	667	655	699	642	660	637
20.0	654	646	696	739	696	678	699	710	740	776	707	748	737	745	713
21.0	731	754	776	783	765	705	716	723	764	789	779	824	731	822	712
22.0	807	822	805	771	758	749	752	745	775	807	798	864	798	821	734
23.0	838	839	853	821	804	863	830	795	839	840	819	835	834	848	821
24.0	830	833	897	869	889	914	918	943	865	868	881	856	901	899	902
25.0	888	898	912	960	983	1007	973	994	952	993	982	936	933	920	961
26.0	986	942	989	994	985	1048	997	1013	1005	1029	1088	980	978	905	988
27.0	1025	1029	1033	1033	1015	1022	1028	1003	1030	1056	1093	1010	1046	1010	1027
28.0	1051	1049	1037	1045	1036	1044	1046	997	1045	1083	1076	1031	1070	1034	1030
29.0	1044	1050	1051	1090	1071	1032	1040	1025	1065	1085	1080	1056	1089	1031	1054
30.0	1077	1077	1081	1131	1108	1070	1090	1072	1078	1106	1064	1066	1068	1075	1078
31.0	1064	1090	1078	1148	1098	1121	1081	1086	1084	1127	1090	1050	1101	1104	1084
32.0	1097	1090	1122	1120	1117	1136	1081	1102	1104	1101	1087	1081	1100	1121	1118
33.0	1124	1109	1127	1146	1145	1135	1105	1105	1090	1096	1107	1096	1116	1120	1136
34.0	1152	1127	1144	1114	1143	1140	1120	1103	1130	1104	1111	1107	1129	1142	1122
35.0	1149	1143	1117	1116	1128	1129	1121	1089	1119	1106	1124	1110	1136	1163	1135
36.0	1153	1134	1135	1114	1124	1114	1134	1102	1127	1107	1132	1142	1150	1170	1147
37.0	1155	1145	1127	1105	1112	1099	1105	1087	1113	1104	1098	1179	1151	1167	1151
38.0	1151	1130	1124	1112	1104	1099	1066	1058	1080	1083	1104	1176	1151	1165	1162
39.0	1143	1133	1124	1112	1088	1078	1058	1052	1073	1070	1093	1159	1156	1163	1164
40.0	1117	1134	1109	1102	1085	1053	1046	1037	1063	1055	1058	1117	1139	1169	1163
41.0	1112	1098	1080	1072	1064	1028	1013	997	1012	1038	1065	1096	1139	1152	1163
42.0	1091	1082	1065	1048	1017	996	989	956	967	1018	1050	1070	1104	1124	1159
43.0	1083	1047	1027	1010	956	945	943	923	924	972	1011	1024	1079	1073	1131
44.0	1065	1020	986	954	911	903	880	871	884	941	951	1004	1060	1058	1093
45.0	1040	975	945	904	853	846	831	821	835	878	904	949	1010	1029	1059
46.0	984	916	894	858	828	822	801	799	815	822	851	896	945	976	1014
47.0	954	869	837	825	788	779	755	759	760	786	801	832	869	920	954
48.0	880	812	803	773	734	724	711	709	712	735	742	777	815	860	903
49.0	825	779	749	710	689	685	671	662	670	684	697	732	762	813	857
50.0	777	726	694	671	649	628	612	606	611	628	642	669	701	752	791
51.0	729	676	641	621	601	581	569	561	566	575	590	625	649	702	734
52.0	672	630	596	567	564	546	533	526	529	541	545	578	603	652	680
53.0	619	586	556	534	528	505	498	495	490	508	512	533	569	616	637



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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	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1.0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
2.0	13	14	13	13	13	13	14	13	13	13	13	13	13	13	13
3.0	32	33	32	35	33	31	34	23	20	26	30	34	42	33	33
4.0	41	44	45	47	48	67	72	78	79	77	62	53	53	57	47
5.0	59	62	60	62	78	82	78	85	96	119	93	92	64	66	61
6.0	68	80	89	142	148	151	139	114	149	169	144	112	134	116	115
7.0	129	140	164	168	154	188	197	196	206	205	222	171	162	154	172
8.0	169	199	201	211	199	194	170	204	198	204	184	183	166	201	191
9.0	220	204	214	210	221	214	207	246	202	250	219	213	186	198	255
10.0	226	214	245	227	231	233	214	274	254	331	254	254	231	224	252
11.0	300	249	270	256	239	241	268	332	284	334	279	263	240	239	257
12.0	351	368	314	331	276	313	343	358	365	429	361	289	321	313	313
13.0	435	399	295	334	348	346	342	394	391	435	415	263	341	393	388
14.0	428	455	436	409	391	399	391	339	417	442	410	295	398	392	469
15.0	462	500	553	487	400	410	435	389	453	460	467	385	432	407	481
16.0	475	526	543	564	471	410	442	431	526	505	467	434	441	456	536
17.0	486	547	577	594	534	460	445	440	564	536	453	440	448	556	611
18.0	531	532	570	627	538	491	495	512	603	625	552	511	518	596	628
19.0	580	584	619	642	609	544	571	511	664	705	570	570	609	652	666
20.0	615	634	701	721	689	651	580	530	719	662	596	613	625	737	720
21.0	703	634	667	752	785	695	615	551	781	715	658	632	659	773	778
22.0	714	705	667	743	868	801	669	593	810	801	704	668	747	828	802
23.0	825	754	747	759	846	824	689	702	892	897	761	751	801	831	827
24.0	850	807	820	844	911	904	794	755	885	963	798	781	917	941	862
25.0	890	863	867	826	928	931	862	760	906	979	820	808	962	981	874
26.0	937	907	898	872	901	934	917	796	870	1005	814	826	941	976	841
27.0	1050	965	956	851	874	971	923	777	920	991	858	850	966	955	861
28.0	1109	963	979	905	891	978	886	797	933	1014	866	840	1026	963	890
29.0	1133	981	1001	944	888	990	876	830	877	1056	900	849	1042	980	928
30.0	1154	1023	1047	957	935	988	883	867	832	1067	916	865	1057	986	987
31.0	1157	1035	1079	986	956	951	908	888	845	1093	926	852	1060	972	1015
32.0	1175	1099	1081	1009	975	944	981	908	851	1148	909	878	1069	987	1026
33.0	1182	1168	1085	1011	956	985	1042	924	853	1134	907	910	1091	1002	1009
34.0	1201	1191	1106	1021	957	990	1080	872	840	1088	908	928	1085	1001	1007
35.0	1241	1187	1122	1025	978	995	1043	881	855	1091	928	952	1063	998	992
36.0	1238	1198	1140	1018	983	972	1018	865	844	1134	918	964	1060	989	983
37.0	1248	1210	1135	1054	1022	936	991	896	868	1136	903	962	1052	990	1011
38.0	1246	1193	1143	1079	1044	924	956	921	855	1106	884	928	1018	949	1036
39.0	1240	1179	1168	1088	1054	907	940	883	859	1085	847	895	993	932	1038
40.0	1236	1171	1198	1091	1021	898	944	822	846	1065	826	888	959	925	1017
41.0	1216	1191	1188	1070	986	875	916	788	832	1025	795	856	941	907	977
42.0	1211	1153	1170	1038	964	891	892	762	806	982	778	834	921	873	933
43.0	1173	1123	1125	1016	910	900	848	740	772	930	749	794	890	852	909
44.0	1144	1091	1092	965	864	855	807	712	729	887	696	774	855	819	864
45.0	1098	1047	1048	924	828	785	765	677	693	841	655	751	817	789	823
46.0	1051	985	996	893	787	724	723	661	654	796	625	700	766	751	769
47.0	982	930	943	844	758	656	684	641	612	755	585	661	711	693	734
48.0	941	887	895	797	709	586	633	598	574	699	541	626	649	658	687
49.0	864	835	842	757	666	521	589	550	530	641	504	574	590	601	643
50.0	800	782	781	726	635	476	558	496	481	595	468	528	555	549	594
51.0	754	728	730	696	606	448	521	474	447	542	433	496	509	509	554
52.0	708	684	688	657	573	440	478	444	418	501	402	457	473	469	524
53.0	674	651	633	615	539	441	443	415	391	459	373	433	438	430	504



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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	12	12	12	12	12	12	12	12	12	12	12	12	12
1.0	12	12	12	12	12	12	12	12	12	12	12	12	12
2.0	13	14	14	13	13	13	14	13	12	12	12	12	12
3.0	33	39	44	38	36	36	31	27	28	26	19	14	13
4.0	48	54	55	46	48	57	42	50	46	44	40	37	32
5.0	58	70	64	56	59	82	61	61	47	52	56	69	74
6.0	84	81	84	75	72	73	75	64	67	81	116	96	105
7.0	179	172	136	139	149	146	124	103	92	105	132	119	131
8.0	182	224	167	157	176	177	181	188	184	202	198	210	184
9.0	208	202	281	248	213	257	253	256	260	263	275	240	199
10.0	236	244	296	345	317	339	282	283	253	290	275	244	232
11.0	283	333	354	403	394	351	316	290	260	296	259	277	292
12.0	349	395	416	443	402	376	395	350	364	315	298	361	331
13.0	395	459	450	451	425	374	422	382	392	399	366	431	387
14.0	515	498	498	414	423	381	413	431	491	462	476	482	427
15.0	617	508	517	479	471	474	496	519	510	499	523	520	454
16.0	596	607	540	529	505	551	594	619	577	522	569	519	482
17.0	615	602	544	559	594	612	642	616	621	610	547	542	548
18.0	607	643	585	588	639	627	651	623	674	615	618	597	625
19.0	640	629	639	652	663	723	701	694	706	722	711	721	674
20.0	722	668	681	697	729	786	748	769	765	789	755	779	699
21.0	756	702	715	745	761	796	828	812	854	832	789	780	770
22.0	753	783	771	781	868	866	844	862	875	898	814	790	823
23.0	783	831	834	898	893	888	872	866	906	892	877	927	890
24.0	801	842	883	927	954	927	932	947	966	974	990	980	980
25.0	791	875	912	944	943	946	986	1008	1001	1037	995	990	1038
26.0	877	908	959	984	1011	1019	1017	1038	1041	1045	1019	1032	1040
27.0	920	970	1011	1047	1041	1065	1076	1075	1058	1074	1049	1067	1049
28.0	974	991	1017	1081	1078	1100	1078	1104	1083	1118	1057	1113	1060
29.0	965	1029	1038	1079	1103	1114	1095	1124	1116	1130	1080	1106	1070
30.0	1002	1040	1073	1088	1142	1136	1119	1109	1117	1137	1116	1104	1095
31.0	1016	1053	1121	1126	1156	1129	1145	1131	1129	1126	1149	1097	1119
32.0	1030	1079	1159	1147	1173	1143	1135	1156	1133	1155	1167	1115	1131
33.0	1037	1093	1200	1174	1172	1164	1164	1164	1124	1163	1146	1134	1145
34.0	1045	1085	1214	1212	1171	1167	1140	1170	1140	1158	1131	1147	1134
35.0	1050	1112	1211	1203	1166	1160	1157	1160	1137	1156	1138	1146	1127
36.0	1060	1107	1197	1206	1181	1165	1177	1155	1140	1156	1133	1118	1118
37.0	1086	1108	1206	1201	1191	1173	1188	1165	1155	1135	1120	1095	1110
38.0	1102	1129	1198	1200	1189	1165	1168	1162	1136	1117	1093	1080	1099
39.0	1124	1145	1182	1191	1185	1163	1165	1126	1121	1105	1067	1057	1079
40.0	1120	1169	1155	1162	1194	1144	1142	1092	1083	1082	1052	1036	1040
41.0	1096	1162	1170	1160	1178	1141	1112	1082	1062	1070	1037	1012	1005
42.0	1050	1130	1146	1143	1163	1114	1078	1045	1019	1017	998	969	929
43.0	1014	1098	1106	1118	1120	1073	1052	1024	990	966	959	959	916
44.0	980	1052	1071	1076	1068	1032	1027	981	947	934	916	902	876
45.0	931	1015	1029	1035	1010	995	984	920	891	893	861	848	832
46.0	887	955	970	970	952	937	922	871	842	838	816	812	784
47.0	829	886	907	915	913	880	863	818	784	792	771	757	733
48.0	776	824	839	848	866	814	799	765	738	732	708	699	685
49.0	721	774	781	780	794	757	738	711	695	674	654	654	639
50.0	669	715	728	733	735	705	690	660	642	620	613	611	596
51.0	628	662	675	690	683	657	637	616	591	578	568	575	559
52.0	589	624	639	641	633	618	596	575	550	540	539	534	524
53.0	553	579	593	610	602	594	552	536	518	509	510	500	490





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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	459	450	458	466	487	501	542	570	602	633	633	622	599	601	565
55.0	431	420	422	443	463	477	515	548	569	606	592	579	566	556	538
56.0	391	385	396	421	435	457	496	523	545	581	552	552	532	515	509
57.0	337	339	352	380	410	431	464	488	518	548	520	523	503	484	472
58.0	263	277	292	327	369	401	429	463	483	516	493	488	472	451	430
59.0	204	219	229	265	312	356	400	432	457	488	468	454	437	414	386
60.0	178	184	189	210	243	294	343	384	427	455	426	420	385	358	320
61.0	167	164	171	181	192	221	267	323	382	410	392	374	315	274	246
62.0	155	154	159	166	162	158	194	258	331	362	344	315	249	195	186
63.0	143	142	148	152	139	131	145	196	263	302	282	255	190	149	156
64.0	133	134	138	143	125	120	127	149	194	228	211	191	153	135	135
65.0	130	133	134	135	114	109	115	123	137	159	145	139	129	121	121
66.0	123	126	126	123	101	94	95	102	104	111	102	104	105	105	104
67.0	114	116	114	111	90	84	83	86	82	83	80	81	83	88	93
68.0	105	105	104	100	80	75	74	76	75	75	76	73	74	79	82
69.0	95	94	94	89	73	71	71	70	71	71	76	69	70	73	75
70.0	90	88	90	85	72	71	71	71	70	73	75	69	70	69	68
71.0	92	89	89	83	73	73	72	72	73	75	76	71	71	68	67
72.0	94	91	91	83	74	73	73	76	75	78	77	73	73	70	68
73.0	100	99	98	89	80	78	75	77	75	78	77	74	73	72	70
74.0	102	105	103	95	86	84	77	78	77	80	78	76	73	74	70
75.0	108	108	107	99	90	88	77	77	75	79	77	76	75	78	71
76.0	100	103	107	103	92	89	76	77	73	79	76	77	76	80	72
77.0	93	94	102	99	89	84	75	75	71	76	75	74	76	78	70
78.0	90	88	94	98	86	79	73	72	69	76	74	74	73	76	71
79.0	81	82	85	89	82	78	75	70	70	77	75	74	71	75	70
80.0	73	75	81	82	77	76	75	74	72	76	75	75	72	74	69
81.0	66	67	75	76	73	71	72	72	70	75	76	73	73	73	67
82.0	62	62	69	70	67	67	70	70	70	74	75	72	73	72	64
83.0	61	62	64	64	65	66	67	69	69	68	71	71	72	72	62
84.0	60	61	62	62	63	63	66	65	67	66	69	67	68	70	61
85.0	59	60	59	60	61	61	63	62	61	65	67	64	65	68	60
86.0	57	58	57	57	60	60	60	60	59	63	66	64	63	67	60
87.0	55	55	57	57	58	58	59	58	59	62	65	61	62	65	57
88.0	55	54	54	55	57	57	58	58	58	60	63	61	64	65	56
89.0	52	53	53	54	54	55	55	57	57	58	61	58	62	63	54
90.0	51	52	51	51	54	53	52	55	54	56	61	57	60	61	53
91.0	50	51	50	51	51	52	52	55	54	56	60	56	59	61	55
92.0	48	49	47	49	50	50	51	52	52	56	59	55	58	60	51
93.0	46	46	46	47	49	50	50	52	51	54	59	54	58	59	52
94.0	45	45	45	46	46	47	48	50	51	55	58	54	55	57	51
95.0	43	43	44	44	46	47	47	49	50	52	56	53	53	56	49
96.0	42	41	42	43	44	45	45	48	48	52	56	52	53	54	48
97.0	39	41	41	42	42	44	45	47	47	50	51	50	50	53	47
98.0	38	39	39	41	41	42	44	46	46	48	50	48	48	50	45
99.0	36	38	38	39	39	41	42	44	45	46	48	47	48	48	44
100.0	36	37	38	38	38	39	41	42	42	45	47	46	47	46	43
101.0	35	35	37	36	37	38	39	40	41	44	46	46	45	44	42
102.0	34	34	36	35	37	38	39	39	40	42	44	43	44	42	41
103.0	33	33	35	35	37	36	36	36	36	36	40	40	42	42	40
104.0	28	28	30	30	32	30	29	30	32	33	36	35	35	36	37
105.0	22	23	24	25	27	25	26	26	28	27	30	31	30	33	34
106.0	16	17	18	19	22	21	21	21	24	24	25	25	24	25	27
107.0	13	14	14	15	18	17	17	18	21	20	21	21	19	20	22



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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	544	537	526	514	506	495	509	510	549	571	610	632	648	636	613
55.0	519	502	493	478	472	462	478	483	512	534	574	594	612	600	580
56.0	489	468	458	441	442	438	449	458	486	499	544	567	582	564	550
57.0	454	429	408	401	400	401	420	444	457	477	516	542	553	533	523
58.0	407	376	353	345	344	350	375	412	426	455	482	504	518	503	488
59.0	344	312	283	275	280	287	320	361	391	423	450	466	483	479	452
60.0	270	245	222	213	217	227	256	298	329	370	402	428	447	437	402
61.0	210	198	189	185	185	189	199	230	253	297	346	386	394	385	342
62.0	185	179	171	174	171	172	172	181	179	216	281	340	346	326	275
63.0	168	165	165	159	162	163	162	150	132	156	220	280	287	265	211
64.0	150	154	152	151	150	150	148	128	119	133	166	210	220	203	158
65.0	134	144	139	142	139	140	138	111	112	124	133	151	164	148	125
66.0	123	138	133	135	132	134	128	103	102	109	114	116	118	110	103
67.0	111	130	126	128	123	127	118	96	90	91	94	91	87	85	85
68.0	100	120	117	120	118	119	111	87	81	81	83	80	77	76	74
69.0	90	109	107	110	110	110	103	79	74	75	76	76	76	76	69
70.0	80	96	95	100	102	98	93	73	68	74	75	75	77	76	71
71.0	75	87	86	91	91	88	86	71	68	75	77	77	76	76	72
72.0	74	85	83	87	87	85	83	71	69	77	77	79	77	79	75
73.0	75	85	82	87	86	85	84	71	70	77	79	79	79	81	77
74.0	75	84	82	86	87	84	85	72	72	78	82	80	80	81	81
75.0	77	86	83	85	88	86	86	74	74	78	81	80	80	80	79
76.0	79	86	84	87	87	85	87	76	76	79	81	79	80	80	78
77.0	82	87	85	87	87	85	88	76	75	78	79	78	79	77	76
78.0	80	87	86	87	87	84	90	74	74	78	77	75	76	76	75
79.0	77	86	85	85	85	83	89	74	74	78	77	76	76	76	74
80.0	74	83	83	79	81	80	82	74	74	76	76	77	77	77	74
81.0	72	80	76	71	72	75	81	74	72	76	75	77	77	77	76
82.0	69	75	67	66	65	68	78	71	71	74	76	76	75	75	75
83.0	66	70	62	64	62	62	74	67	72	74	76	74	70	71	72
84.0	65	66	60	65	61	58	68	64	70	73	73	72	68	70	68
85.0	64	63	57	65	60	55	67	64	69	72	68	67	66	68	68
86.0	62	62	57	63	59	53	66	62	69	70	66	67	65	66	64
87.0	61	60	56	62	57	53	63	60	68	67	63	67	64	64	63
88.0	61	59	55	61	57	52	64	58	66	67	62	65	64	61	62
89.0	58	59	54	60	55	53	62	57	66	65	63	64	64	62	61
90.0	56	58	53	58	53	54	61	56	65	62	61	61	61	60	58
91.0	55	58	52	58	52	51	59	54	64	61	60	59	61	59	58
92.0	53	56	51	58	51	50	56	53	63	61	61	60	61	59	56
93.0	53	57	51	56	50	51	57	52	62	59	58	59	60	58	55
94.0	52	55	51	56	49	49	55	52	63	58	57	58	58	58	55
95.0	51	54	50	56	48	50	53	51	60	53	55	57	58	56	52
96.0	49	54	49	55	48	48	52	50	58	53	54	54	54	54	50
97.0	49	52	48	52	47	47	51	48	56	52	51	53	52	54	49
98.0	48	51	46	53	47	45	49	46	55	51	50	51	50	51	48
99.0	46	49	45	49	44	45	49	46	52	49	48	49	49	49	46
100.0	45	47	43	48	44	43	47	44	52	48	48	47	46	47	44
101.0	43	47	42	47	43	42	45	43	49	45	46	47	46	47	44
102.0	42	45	41	45	41	40	44	41	48	45	45	46	44	44	41
103.0	41	45	39	43	41	40	43	41	47	43	44	44	41	40	41
104.0	39	41	38	42	39	39	42	39	44	39	37	37	36	35	36
105.0	34	35	33	35	35	33	34	35	35	33	31	31	30	29	31
106.0	27	28	27	28	28	27	28	29	27	25	24	24	26	25	26
107.0	23	22	21	22	23	22	23	24	22	19	18	19	21	21	22



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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	583	550	524	506	495	469	457	459	457	469	481	504	533	583	596
55.0	549	522	498	478	455	430	417	420	422	434	451	481	511	551	565
56.0	514	489	464	445	414	389	371	376	381	402	421	457	490	514	533
57.0	486	462	433	403	364	334	318	320	328	357	382	425	460	475	502
58.0	461	430	391	342	299	268	260	257	263	293	324	378	422	435	463
59.0	419	378	323	273	241	216	214	212	215	235	258	311	351	377	415
60.0	357	306	250	217	201	188	182	184	186	197	205	230	262	305	357
61.0	271	224	197	189	181	174	168	168	171	179	171	165	186	241	299
62.0	199	162	162	177	170	166	161	160	164	168	147	136	145	183	240
63.0	155	135	140	159	160	156	153	149	153	148	128	122	135	149	184
64.0	138	124	123	141	152	148	144	143	146	138	119	118	126	132	144
65.0	124	115	114	132	147	142	138	139	143	131	109	111	111	115	118
66.0	103	101	104	123	140	138	137	134	137	120	104	100	97	95	94
67.0	83	88	93	112	133	130	131	126	128	114	94	89	87	83	78
68.0	75	79	82	100	123	121	119	116	120	105	82	79	79	73	69
69.0	68	71	75	87	108	110	111	108	108	93	74	73	76	73	72
70.0	69	70	71	79	95	100	99	98	98	89	74	73	73	75	76
71.0	70	71	73	77	90	94	95	92	94	84	74	74	74	78	79
72.0	73	72	74	75	88	93	94	91	93	86	77	76	78	78	79
73.0	75	75	79	81	93	95	95	95	97	93	82	81	80	81	80
74.0	78	81	86	86	99	101	102	102	103	98	87	85	80	82	81
75.0	77	82	87	91	103	104	106	106	107	104	92	87	78	78	78
76.0	76	78	87	93	104	105	107	108	112	108	94	86	75	75	76
77.0	73	78	86	91	100	100	99	98	106	103	88	78	74	74	75
78.0	72	77	83	89	97	92	91	90	99	99	85	75	74	72	74
79.0	72	76	78	85	91	85	86	84	90	88	79	74	71	72	73
80.0	74	77	79	83	88	81	78	78	84	82	76	72	70	72	73
81.0	78	77	75	75	80	74	70	71	79	78	72	68	69	73	72
82.0	74	73	69	68	74	68	63	64	72	71	65	66	64	70	70
83.0	71	70	65	63	67	63	62	61	64	65	63	64	62	67	67
84.0	68	68	63	61	62	60	59	60	61	62	62	64	61	65	64
85.0	65	64	61	59	60	57	58	58	59	60	60	61	59	63	61
86.0	62	62	59	59	60	56	56	57	58	58	58	60	59	61	62
87.0	60	61	57	57	58	54	55	56	55	57	56	59	56	59	59
88.0	58	60	55	55	56	54	54	53	54	54	55	56	55	59	58
89.0	58	58	54	53	55	52	52	52	52	53	52	54	54	57	57
90.0	56	56	53	53	53	50	50	51	51	53	51	53	52	54	54
91.0	54	55	52	51	52	50	49	50	50	51	49	51	51	53	52
92.0	54	55	51	49	50	49	48	47	49	49	48	49	49	52	52
93.0	53	51	49	48	49	46	47	47	47	48	47	49	48	51	50
94.0	52	50	47	46	48	46	45	45	45	46	45	47	46	49	49
95.0	52	48	46	45	46	45	43	44	43	45	45	46	44	48	47
96.0	50	49	46	44	43	42	41	41	42	44	43	43	43	47	47
97.0	47	46	44	43	42	41	40	40	41	42	42	43	42	44	44
98.0	47	45	43	41	40	40	38	39	39	40	40	41	41	44	42
99.0	44	43	40	40	38	39	36	38	37	38	39	39	39	43	41
100.0	44	41	39	38	37	38	36	37	37	37	38	37	38	41	40
101.0	41	39	37	38	36	36	35	35	36	35	35	36	37	40	38
102.0	42	39	38	36	35	35	34	34	33	34	36	35	36	38	35
103.0	40	37	39	35	35	35	34	34	33	33	35	34	33	32	31
104.0	35	33	36	32	33	32	31	31	30	29	30	28	28	27	27
105.0	29	29	32	28	28	27	25	25	23	24	25	23	23	22	22
106.0	24	23	26	23	22	21	19	17	16	18	20	19	18	17	17
107.0	20	19	22	18	17	17	16	12	12	14	16	14	14	14	13



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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	626	609	590	571	505	437	416	393	366	408	343	408	413	406	477
55.0	584	569	551	539	470	417	378	376	330	358	309	367	384	382	441
56.0	556	536	520	503	435	379	331	334	278	294	262	317	339	356	410
57.0	529	504	487	464	391	328	270	280	222	236	209	259	276	310	378
58.0	490	462	434	403	334	264	207	226	178	183	166	199	218	255	322
59.0	434	411	370	328	262	201	155	190	153	155	145	169	179	201	260
60.0	372	360	303	246	191	153	128	172	141	136	133	154	160	167	191
61.0	320	309	243	183	146	123	110	157	132	127	126	146	148	145	145
62.0	265	252	193	150	131	107	98	146	125	119	120	137	137	122	125
63.0	208	194	152	132	122	99	93	136	119	114	116	133	129	109	118
64.0	157	146	129	118	114	90	90	127	115	116	115	133	119	97	108
65.0	120	113	108	103	100	83	89	120	110	119	112	126	107	89	99
66.0	91	86	87	88	89	78	85	113	106	114	108	123	101	83	88
67.0	76	74	74	76	79	72	78	105	93	110	101	116	90	74	76
68.0	73	71	71	69	72	66	68	97	83	102	92	103	80	64	66
69.0	72	72	71	68	68	64	61	85	73	94	82	90	72	60	63
70.0	73	73	73	70	66	64	58	79	71	89	78	84	69	60	63
71.0	76	75	74	70	66	64	56	78	71	88	76	81	68	61	63
72.0	76	76	74	70	70	67	60	76	71	87	77	82	69	62	68
73.0	78	78	74	72	70	67	64	76	73	88	79	81	70	63	68
74.0	78	78	75	72	68	66	65	74	73	85	79	81	71	64	68
75.0	76	75	74	72	68	64	63	71	72	84	78	79	72	64	64
76.0	74	73	73	70	68	65	58	68	71	85	77	77	75	65	63
77.0	74	72	71	68	67	64	55	64	70	83	75	76	75	66	62
78.0	72	72	71	69	66	63	54	61	68	78	72	71	70	66	63
79.0	72	73	72	71	63	62	52	59	65	70	65	66	64	65	62
80.0	71	73	72	70	61	60	51	55	62	62	60	60	61	62	59
81.0	71	73	71	68	59	56	51	48	55	58	56	55	57	58	58
82.0	70	71	69	66	60	56	50	40	51	58	56	51	54	54	58
83.0	65	66	67	63	60	55	49	38	50	58	56	49	54	54	57
84.0	64	64	64	62	60	54	47	35	49	57	55	48	51	52	57
85.0	61	63	63	61	59	52	45	35	50	55	53	47	49	51	57
86.0	63	62	63	61	57	51	44	38	49	51	51	47	47	49	56
87.0	59	60	60	60	56	52	42	42	47	47	50	47	47	49	54
88.0	58	58	59	59	54	51	40	42	45	46	49	44	45	47	53
89.0	58	57	56	58	53	50	40	42	44	45	47	43	43	46	50
90.0	55	54	55	55	51	50	41	42	43	46	45	41	44	47	48
91.0	54	53	52	53	49	49	40	41	41	46	44	41	41	45	47
92.0	52	51	52	51	50	49	41	39	39	45	42	39	39	44	46
93.0	52	51	51	50	48	47	39	38	39	44	39	37	38	44	45
94.0	50	49	49	49	47	45	36	36	36	42	39	36	38	43	44
95.0	47	48	47	46	46	46	36	34	33	40	36	35	37	43	43
96.0	47	46	46	46	44	42	35	34	32	39	36	35	36	41	43
97.0	46	45	45	43	43	40	36	33	31	37	34	35	35	40	41
98.0	43	44	44	43	41	40	34	31	28	35	31	33	34	39	40
99.0	42	43	42	41	39	38	32	30	26	34	29	32	34	37	39
100.0	42	43	41	40	37	36	33	28	24	33	29	31	33	37	38
101.0	41	41	40	38	37	35	34	28	23	32	29	31	34	36	37
102.0	35	34	35	35	35	34	32	27	22	31	30	29	32	35	34
103.0	32	32	31	28	28	26	27	23	21	25	24	25	27	29	28
104.0	25	26	25	24	23	22	21	19	18	19	19	21	20	23	22
105.0	22	22	21	19	19	17	17	13	14	13	14	15	15	19	18
106.0	18	17	18	15	14	14	14	11	11	11	12	12	13	15	14
107.0	13	14	14	12	11	11	12	10	9	9	10	10	10	13	11



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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	516	537	562	570	564	558	515	508	489	483	473	460	456
55.0	498	514	538	535	531	526	490	480	460	455	445	429	427
56.0	469	486	511	515	509	500	464	445	428	420	405	391	386
57.0	428	452	478	482	477	475	437	413	393	375	353	332	329
58.0	382	412	440	450	440	432	404	375	351	315	284	265	258
59.0	308	352	395	410	406	385	346	312	283	246	217	209	201
60.0	221	277	342	357	358	333	275	227	202	192	182	178	176
61.0	154	204	273	303	304	275	208	158	152	167	163	163	165
62.0	131	156	206	241	250	213	157	126	127	147	154	153	153
63.0	120	130	151	181	188	153	128	120	114	131	141	143	142
64.0	108	117	119	136	137	123	115	113	108	122	134	138	132
65.0	94	98	95	99	100	101	99	98	97	112	128	132	129
66.0	81	82	78	78	77	82	84	86	90	99	118	124	122
67.0	73	69	67	71	69	69	71	76	80	91	111	114	113
68.0	67	67	66	70	67	66	67	72	74	83	99	104	104
69.0	65	66	66	67	67	68	68	70	70	76	89	94	94
70.0	64	66	67	70	71	71	70	71	71	77	86	89	90
71.0	65	68	68	74	75	72	73	74	71	76	87	90	92
72.0	67	71	70	75	76	75	75	77	76	80	90	93	94
73.0	67	71	73	75	75	77	77	80	83	89	97	100	101
74.0	68	72	75	74	75	77	76	82	86	94	101	102	102
75.0	68	72	73	71	74	76	74	79	88	98	106	111	108
76.0	68	72	72	71	74	74	73	78	86	92	99	104	99
77.0	66	70	70	71	74	72	73	80	80	89	100	97	92
78.0	66	72	71	72	74	72	71	78	78	84	98	90	89
79.0	67	72	74	73	75	76	76	79	76	80	88	83	81
80.0	65	70	73	73	75	75	72	75	73	74	80	77	73
81.0	64	68	71	70	72	71	71	71	69	68	73	69	66
82.0	63	67	71	68	70	71	69	69	66	65	67	64	62
83.0	62	66	67	66	66	67	67	67	63	62	64	63	61
84.0	61	63	65	63	64	64	65	65	61	61	61	61	60
85.0	60	62	63	64	65	62	63	63	58	57	58	58	59
86.0	59	62	63	62	65	60	61	61	58	56	58	57	57
87.0	57	60	61	61	63	59	60	60	56	56	55	55	55
88.0	56	58	59	59	62	58	58	56	53	54	54	53	54
89.0	56	57	58	57	59	58	56	54	52	52	52	51	52
90.0	55	56	57	55	58	56	55	53	50	50	50	50	51
91.0	54	54	56	55	57	54	52	52	46	49	47	50	50
92.0	52	52	53	54	54	53	51	50	46	46	44	46	48
93.0	50	50	50	52	52	50	49	48	45	45	44	45	46
94.0	47	49	49	51	50	49	47	46	44	44	42	44	45
95.0	46	47	48	48	48	46	46	43	41	41	41	43	43
96.0	44	46	46	46	47	45	44	42	40	40	39	40	41
97.0	43	44	45	45	45	43	43	41	38	39	37	39	39
98.0	41	43	44	44	44	42	41	40	38	37	36	38	38
99.0	40	41	42	43	42	40	41	39	36	35	36	37	36
100.0	38	40	42	42	42	39	38	37	35	34	36	37	35
101.0	37	39	40	40	39	38	38	38	36	34	34	35	35
102.0	33	34	34	33	32	32	35	37	37	34	34	34	34
103.0	28	29	29	29	29	28	28	29	31	31	33	33	33
104.0	23	23	24	24	23	24	24	26	28	27	27	27	27
105.0	19	19	20	20	20	20	19	19	22	21	21	21	21
106.0	14	15	16	15	16	16	15	15	18	16	16	16	16
107.0	11	11	12	12	11	12	12	12	15	13	13	13	13



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

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

	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	16	15	18	15	14	13	13	11	10	11	13	11	11	11	11
109.0	13	12	15	12	11	11	11	10	10	10	12	10	10	10	10
110.0	11	11	14	11	11	10	10	10	10	10	12	10	10	10	10
111.0	11	11	14	11	11	10	11	10	10	11	12	11	10	10	11
112.0	11	11	15	11	11	11	11	11	11	11	12	11	10	10	11
113.0	12	11	15	11	11	11	11	11	11	11	12	11	10	10	11
114.0	12	11	15	12	11	11	11	11	10	11	12	11	11	10	11
115.0	12	12	15	12	11	10	10	10	10	10	11	10	10	10	11
116.0	11	11	15	11	11	10	10	10	9	10	11	10	10	10	11
117.0	11	11	14	11	10	10	10	9	8	9	10	10	10	10	10
118.0	11	11	14	11	10	10	9	8	8	9	10	9	9	9	10
119.0	11	10	14	10	10	10	9	8	7	8	9	9	9	9	10
120.0	10	10	14	10	10	9	9	8	7	7	7	8	8	8	9
121.0	10	10	13	10	9	9	8	7	7	7	6	7	8	8	8
122.0	10	9	12	9	9	9	8	6	6	7	6	6	7	7	7
123.0	9	9	9	8	8	8	8	6	5	6	6	5	6	6	6
124.0	8	8	8	7	7	7	7	5	4	5	5	5	5	5	5
125.0	7	7	7	6	6	6	6	4	3	4	5	5	5	5	5
126.0	6	6	6	6	6	6	5	4	3	3	4	5	5	5	5
127.0	5	5	5	5	5	5	5	4	3	3	4	4	4	4	4
128.0	5	5	5	5	5	5	5	4	3	3	3	4	4	4	4
129.0	5	5	5	5	5	4	4	4	3	3	3	3	4	4	4
130.0	5	5	4	4	4	4	4	4	3	3	3	3	3	4	4
131.0	4	4	4	4	4	4	4	4	3	2	2	3	3	3	4
132.0	4	4	4	4	4	4	4	4	3	2	2	3	3	3	3
133.0	4	4	4	4	4	4	4	3	3	2	2	2	3	3	3
134.0	4	4	4	4	3	4	3	3	3	2	2	2	2	3	3
135.0	4	4	3	3	3	3	3	3	3	2	2	2	2	2	3
136.0	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
137.0	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
138.0	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
139.0	3	3	3	3	3	3	3	3	2	2	2	1	1	2	2
140.0	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2
141.0	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
142.0	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
143.0	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
144.0	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
145.0	2	2	2	2	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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 Test Item Number: 014009

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