



Project No: 10021186
Report No: 10021186-9
Issued Date: 2013-JUL-04
Revision:

Verification Services Test Report

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

Manufacturer:	Acrilux SRL
Country of Origin:	Italy
Country of Export:	N/A
Product Category:	URBAN ARREDO MH 150 E27 E CERAMICA
Product Description:	HID outdoor luminaire
Model Number(s):	URBAN ARREDO MH 150 E27 E CERAMICA
Electrical Ratings:	230Vac 50Hz
Ballast:	TCI mod. 0150 HI/HS TAB ref. 183045
Lamp:	OSRAM E27 150W HCI-E/P150/830 WDL
Test Sample(s) Received Date:	2013-JUN-21
Test Period:	2013-JUL-03 to 2013-JUL-03
The Sample(s) is(are) tested in accordance with the following:	
UNI EN 13032-1: 2012	

Prepared By	Approved By
Fausto Pedroni <i>Fausto Pedroni</i>	Walter Parmiani <i>Walter Parmiani</i>
Name & Signatory	Name & Signatory

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



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



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Statement of Results

Test Flow	Test Method	Sample ID	Test Result
1.	Goniophotometer	014011-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

014011-S001 / 1

Environmental Conditions

Ambient Temperature
25 °C

Test Equipment

Local ID	Description	Model	Last cal	Next cal
BURVS0063	Goniophotometer system	LSI 6440T	03/jun/2013	By evidence
BURVS0066	AC PSU	ELGAR CW 1251	Reference only	Reference only
BURVS0065	Digital power meter	Yokogawa WT210	13/jul/2012	13/jul/2013
BURVS0067	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
230.05 V	0.73 A	150.69 W	0.89



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Test Results

Result Name	Result
Test Date	2013-JUL-03 12:15:00 PM
Current THD	22.8 %
Luminous Flux	7800.5 lm
Luminous Efficacy	51.8 lm/W
Luminous Opening Length	600.0 mm
Luminous Opening Width	0.0 mm
Luminous Opening Height	400.0 mm
LOR	55.96 %



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Photo of Sample(s)

Sample



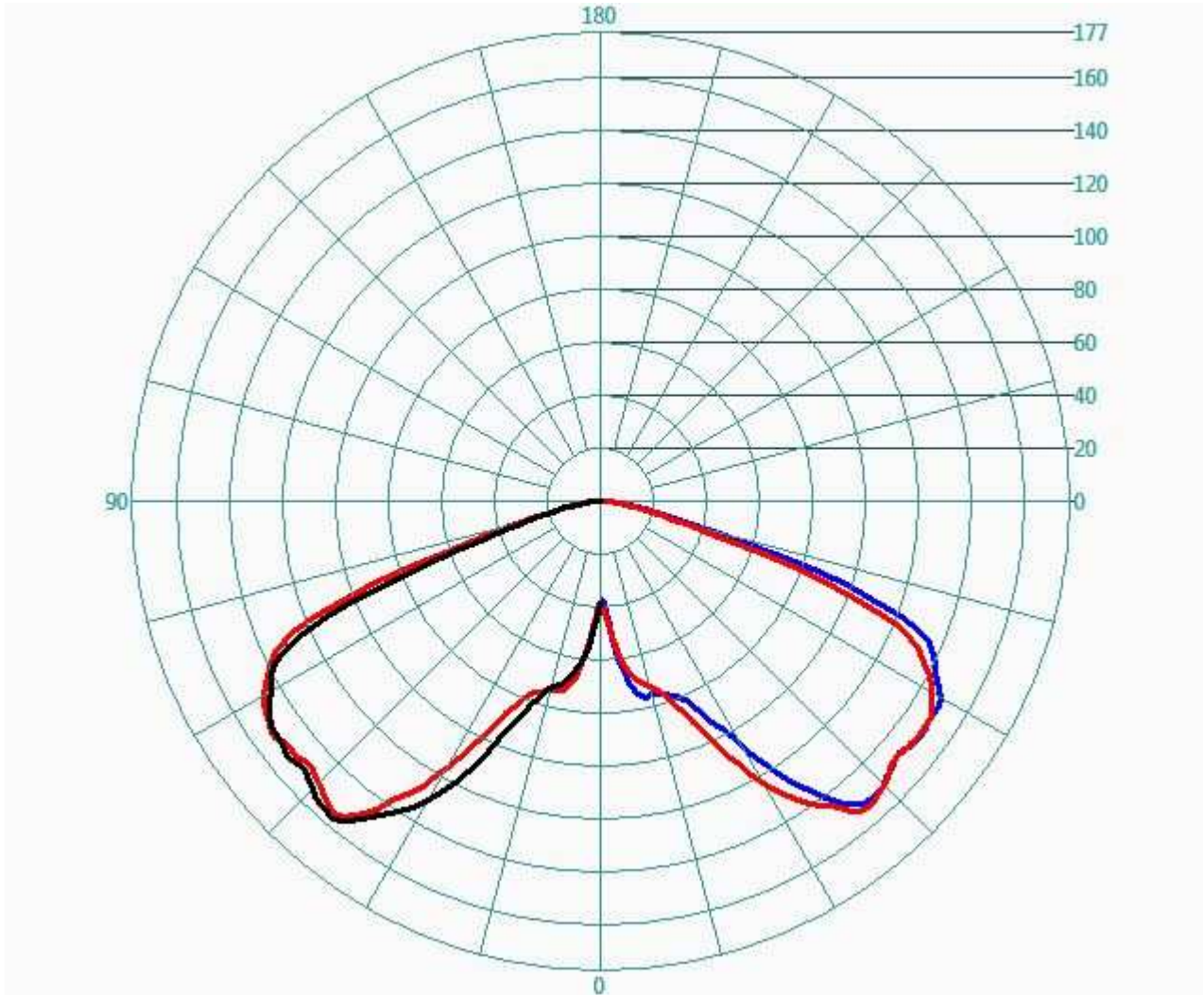
Goniophotometer set-up





Verification Services Test Report

Polar diagram (cd/Klm)

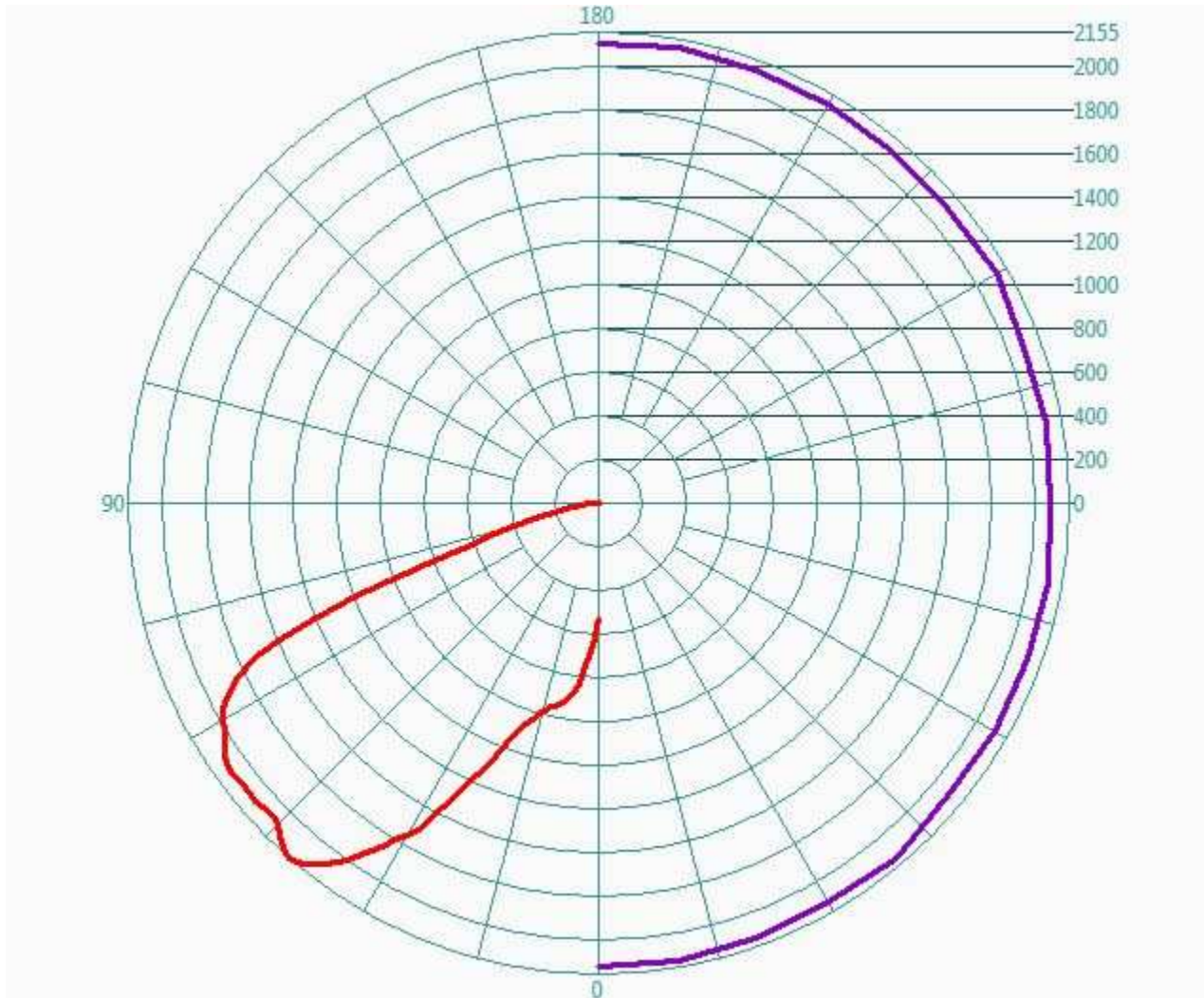




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Max cone and plane (cd)





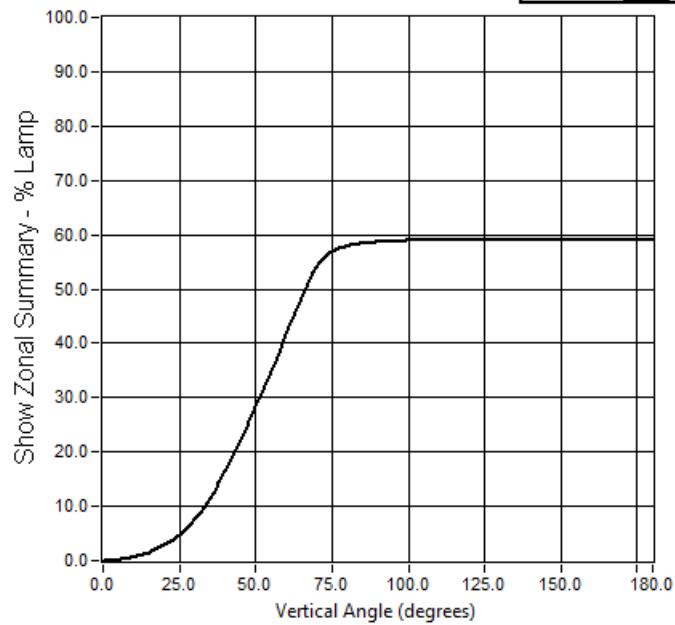
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Zonal Lumen Summary

	Summary Zonal Lumens	Zonal Lumens - % Lamp	Zonal Lumens - % Fixture
0 to 30	991.10	7.23	12.23
0 to 40	2179.28	15.91	26.90
0 to 60	5604.00	40.91	69.16
0 to 90	8025.83	58.58	99.05
40 to 90	5846.55	42.68	72.16
60 to 90	2421.82	17.68	29.89
90 to 180	76.89	0.56	0.95
0 to 180	8102.72	59.14	100.00

Zonal Flux Graph

Plot 0



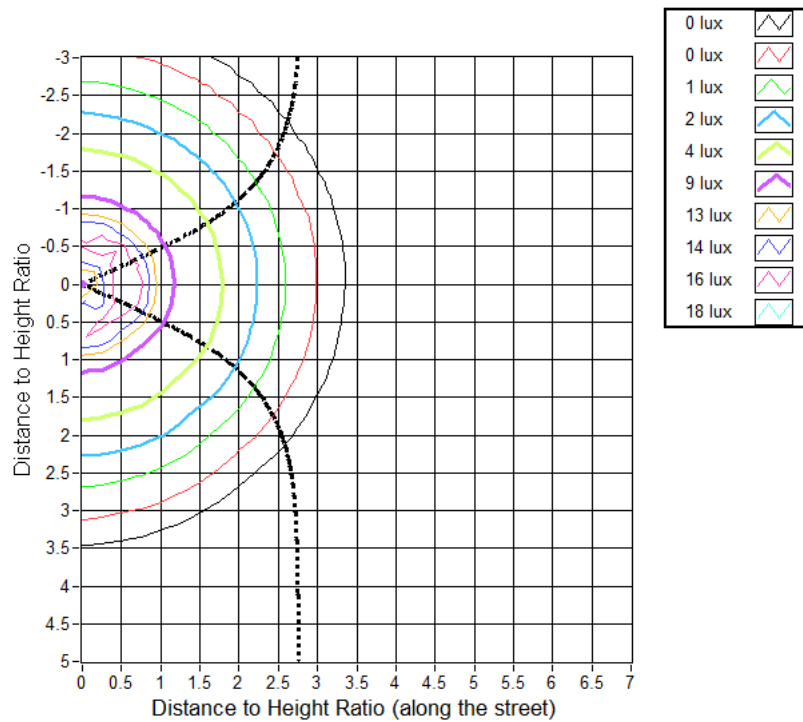


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Isolluminance Merged Chart

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 (%)
3994.21	29.15	490.03	3.58	2300.58	16.79	1155.50	8.43	48.11	0.35

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 (%)
4031.66	29.43	501.06	3.66	2312.35	16.88	1167.61	8.52	50.64	0.37



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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	531.6	531.6	531.6	531.6	531.6	531.6	531.8	531.0	534.1	522.3
5.00	769.3	768.3	762.7	758.4	750.9	745.5	739.3	729.7	727.7	699.9
10.00	973.7	979.3	988.2	995.8	1006.7	1007.0	999.2	997.4	1005.4	977.0
15.00	1016.1	1015.7	1021.3	1033.6	1045.3	1053.5	1060.1	1057.1	1052.8	1020.4
20.00	1064.3	1072.7	1078.5	1080.0	1087.0	1084.3	1081.2	1072.7	1072.2	1050.4
25.00	1258.3	1246.8	1236.1	1230.0	1217.8	1209.5	1196.1	1182.5	1189.4	1165.0
30.00	1594.8	1576.5	1545.3	1528.5	1509.9	1484.8	1478.3	1473.6	1469.2	1427.5
35.00	1902.4	1895.8	1886.1	1866.6	1853.1	1834.1	1812.8	1811.1	1812.9	1769.0
40.00	2117.8	2116.6	2108.6	2095.6	2096.9	2084.5	2071.7	2067.3	2072.5	2015.6
41.00	2120.3	2123.6	2105.6	2086.1	2093.9	2069.9	2071.0	2088.7	2104.1	2114.5
45.00	2066.0	2072.0	2064.6	2073.9	2091.9	2078.4	2081.5	2075.4	2077.2	2034.5
50.00	2050.1	2054.1	2061.1	2054.0	2049.2	2052.9	2040.3	2033.2	2053.0	1993.4
55.00	2079.4	2073.6	2071.9	2064.7	2075.5	2087.5	2083.9	2072.0	2079.4	2024.5
60.00	2011.2	2011.7	2011.5	2020.0	2030.2	2026.4	2035.3	2025.9	2037.2	1998.0
65.00	1857.1	1864.6	1877.1	1894.3	1899.5	1904.0	1902.5	1899.3	1929.7	1876.3
70.00	1235.1	1266.7	1323.2	1377.5	1420.7	1453.4	1486.1	1516.5	1556.2	1513.3
75.00	415.9	430.3	456.9	483.0	504.1	525.2	552.8	578.4	599.8	595.9
80.00	171.5	176.1	183.8	190.6	197.7	202.0	210.4	218.1	224.1	222.8
85.00	72.7	74.7	77.3	79.8	83.0	84.9	88.3	91.1	93.1	91.8
90.00	48.1	48.6	48.7	48.5	48.9	49.4	49.8	49.6	49.9	48.0

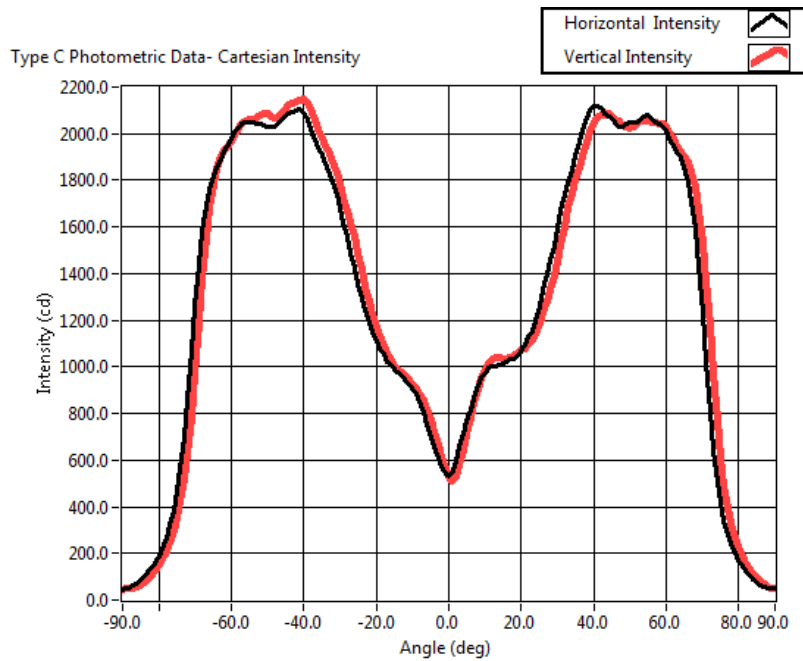
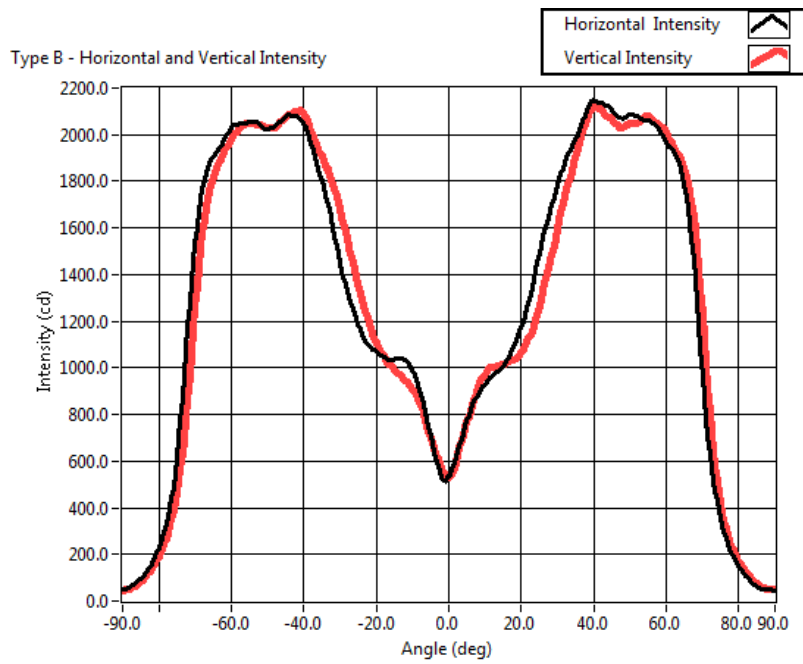
Luminous Intensity Values - House Side

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	531.6	531.6	531.6	531.6	531.6	531.6	531.7	531.3	532.9	526.9	531.6
5.00	710.3	708.3	702.9	694.4	688.0	682.4	681.7	691.2	699.2	694.5	702.4
10.00	991.9	983.4	963.4	949.3	942.9	930.7	916.3	905.2	907.1	900.3	908.7
15.00	1036.6	1032.9	1018.4	1011.2	1005.5	992.3	989.8	981.9	987.7	983.6	991.5
20.00	1070.4	1065.4	1058.5	1049.9	1050.4	1059.3	1063.3	1075.7	1092.8	1094.9	1109.7
25.00	1185.7	1183.7	1185.2	1193.6	1215.3	1248.2	1262.7	1284.3	1324.7	1337.8	1356.6
30.00	1451.8	1452.9	1470.2	1505.7	1527.5	1553.0	1588.9	1613.0	1652.9	1663.9	1681.4
35.00	1803.1	1805.0	1807.1	1831.2	1848.1	1857.4	1887.7	1904.0	1915.3	1892.0	1907.7
40.00	2047.2	2050.6	2039.6	2057.9	2075.0	2072.5	2074.5	2072.7	2094.2	2072.1	2091.1
41.00	2069.9	2084.7	2111.3	2098.7	2108.9	2103.2	0.0	0.0	0.0	0.0	0.0
45.00	2073.1	2081.6	2092.5	2108.4	2111.8	2106.7	2091.5	2080.0	2098.5	2063.6	2077.0
50.00	2023.3	2029.5	2037.4	2047.2	2048.4	2032.2	2033.3	2030.9	2038.2	2015.5	2028.9
55.00	2052.2	2066.6	2072.5	2075.5	2065.5	2046.3	2055.2	2057.4	2075.4	2039.5	2048.4
60.00	2029.5	2037.6	2037.4	2034.7	2027.6	2031.4	2027.0	2011.5	2021.3	1972.5	1981.5
65.00	1903.3	1911.3	1915.1	1904.5	1902.2	1902.7	1890.0	1868.9	1877.4	1817.9	1812.9
70.00	1533.0	1538.4	1546.3	1535.5	1511.7	1492.4	1453.8	1400.4	1361.8	1273.8	1261.6
75.00	609.1	607.9	608.7	603.5	581.4	561.4	544.2	524.7	498.3	465.7	466.1
80.00	226.7	225.3	225.5	223.6	216.5	212.6	210.8	206.5	201.0	190.0	189.0
85.00	93.3	92.1	90.8	90.2	87.7	88.1	89.5	88.5	87.4	82.7	82.1
90.00	48.6	47.9	46.2	45.2	45.1	45.4	46.2	46.7	47.0	46.3	46.6



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Cartesian Intensity





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Candela Table (cd)

	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
0.0	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532
1.0	540	546	533	529	524	517	515	512	510	512	512	516	522	521	527
2.0	591	589	578	569	563	555	544	541	537	529	532	530	538	541	543
3.0	660	641	635	625	617	610	598	597	589	580	580	575	578	584	581
4.0	710	701	697	689	678	674	663	660	650	643	640	635	631	633	629
5.0	769	767	759	757	746	745	733	729	718	710	706	699	691	686	680
6.0	813	828	821	820	814	818	808	800	789	780	769	765	752	742	738
7.0	865	881	876	878	879	882	881	863	852	843	826	824	810	797	797
8.0	919	926	923	924	935	929	937	920	912	899	883	876	866	852	851
9.0	949	959	961	964	978	969	973	966	963	949	935	916	912	901	892
10.0	974	984	992	1001	1010	1002	998	1000	999	992	974	954	947	938	923
11.0	997	1004	1009	1020	1030	1028	1014	1019	1018	1015	1004	986	971	963	944
12.0	1003	1015	1017	1038	1041	1046	1037	1038	1035	1035	1016	1005	990	975	959
13.0	1003	1024	1019	1039	1044	1053	1051	1043	1039	1042	1029	1010	1002	984	971
14.0	1010	1020	1018	1037	1046	1055	1057	1048	1040	1040	1028	1010	1008	990	981
15.0	1016	1016	1028	1039	1050	1056	1061	1053	1043	1037	1028	1011	1012	997	991
16.0	1020	1016	1036	1044	1057	1061	1062	1056	1049	1034	1030	1014	1015	1006	1002
17.0	1032	1031	1047	1053	1064	1067	1062	1059	1053	1039	1034	1028	1019	1015	1014
18.0	1036	1044	1057	1064	1071	1073	1063	1060	1057	1049	1042	1036	1032	1027	1029
19.0	1043	1060	1067	1074	1078	1077	1068	1062	1059	1051	1045	1037	1041	1042	1042
20.0	1064	1079	1077	1085	1087	1082	1079	1069	1068	1070	1061	1055	1047	1056	1061
21.0	1094	1098	1092	1096	1098	1093	1093	1084	1077	1080	1072	1070	1063	1076	1085
22.0	1125	1121	1116	1114	1115	1111	1113	1104	1094	1095	1087	1085	1089	1106	1119
23.0	1156	1150	1148	1143	1141	1137	1134	1128	1121	1116	1111	1107	1120	1143	1163
24.0	1199	1189	1190	1179	1176	1169	1159	1155	1150	1144	1143	1142	1155	1186	1208
25.0	1258	1238	1236	1223	1214	1203	1189	1183	1186	1186	1183	1189	1201	1232	1259
26.0	1328	1301	1285	1270	1259	1238	1226	1218	1224	1233	1228	1239	1253	1277	1311
27.0	1399	1370	1344	1321	1308	1283	1278	1271	1269	1281	1275	1289	1309	1333	1368
28.0	1457	1428	1401	1380	1364	1339	1339	1333	1325	1332	1330	1345	1377	1400	1432
29.0	1521	1489	1465	1446	1425	1405	1403	1398	1384	1388	1388	1412	1444	1466	1496
30.0	1595	1559	1535	1521	1497	1478	1479	1469	1457	1452	1457	1489	1519	1537	1572
31.0	1671	1630	1608	1597	1573	1550	1545	1536	1529	1526	1533	1564	1593	1611	1645
32.0	1739	1709	1683	1669	1654	1618	1609	1601	1604	1603	1612	1629	1663	1681	1711
33.0	1792	1780	1755	1738	1729	1687	1675	1665	1679	1681	1686	1692	1728	1743	1768
34.0	1844	1839	1821	1798	1791	1752	1741	1738	1742	1749	1751	1757	1787	1798	1823
35.0	1902	1890	1879	1856	1849	1818	1813	1811	1799	1803	1806	1814	1846	1848	1873
36.0	1966	1939	1927	1914	1901	1889	1885	1880	1858	1854	1857	1868	1899	1901	1922
37.0	2020	1990	1975	1974	1953	1957	1948	1940	1914	1906	1904	1916	1950	1952	1971
38.0	2065	2040	2022	2027	2006	2008	2003	1988	1967	1960	1954	1956	1996	1998	2011
39.0	2097	2083	2068	2068	2056	2048	2042	2028	2017	2009	2007	1997	2039	2037	2050
40.0	2118	2114	2102	2094	2096	2073	2073	2065	2059	2047	2050	2037	2078	2067	2080
41.0	2120	2124	2116	2106	2120	2086	2092	2094	2087	2070	2085	2071	2111	2089	2099
42.0	2109	2115	2111	2108	2124	2097	2106	2110	2095	2080	2105	2097	2132	2108	2110
43.0	2088	2099	2098	2106	2112	2100	2110	2112	2090	2083	2108	2108	2140	2120	2113
44.0	2077	2083	2080	2102	2096	2092	2101	2095	2078	2084	2101	2107	2132	2120	2110
45.0	2066	2074	2060	2090	2084	2077	2083	2071	2068	2073	2089	2098	2116	2106	2105
46.0	2049	2066	2047	2077	2076	2058	2064	2050	2059	2061	2078	2081	2095	2082	2088
47.0	2030	2058	2038	2060	2072	2039	2048	2038	2055	2053	2065	2064	2076	2055	2066
48.0	2029	2048	2042	2050	2065	2028	2034	2038	2051	2038	2054	2051	2062	2040	2045
49.0	2040	2047	2052	2044	2057	2035	2029	2041	2044	2027	2044	2042	2054	2036	2032
50.0	2050	2058	2060	2048	2052	2049	2033	2042	2039	2023	2035	2041	2052	2040	2029
51.0	2050	2070	2065	2061	2053	2062	2048	2041	2036	2030	2037	2043	2056	2047	2034
52.0	2050	2079	2065	2069	2060	2069	2066	2038	2038	2043	2046	2050	2062	2052	2043
53.0	2060	2081	2061	2070	2072	2072	2080	2043	2050	2054	2059	2056	2069	2049	2049



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Candela Table (cd)

	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	532	532	532	532	532	532	532	532	532	532	532	532	532	532	532
1.0	533	534	542	544	546	556	555	558	567	563	570	569	568	576	570
2.0	555	554	560	571	571	582	589	591	605	601	607	611	614	622	621
3.0	592	591	594	609	612	619	633	632	649	647	652	660	668	675	676
4.0	635	641	641	653	661	664	679	677	696	697	701	714	722	729	726
5.0	686	696	698	702	713	715	722	726	740	749	750	766	773	781	780
6.0	742	750	753	751	760	766	767	776	782	796	799	813	820	828	829
7.0	799	802	804	805	804	813	814	826	826	840	846	854	854	862	862
8.0	850	849	853	853	845	852	854	865	866	874	883	884	883	885	887
9.0	886	879	883	885	881	881	887	898	898	899	909	905	908	905	910
10.0	910	904	907	909	914	909	912	920	925	920	928	925	928	925	928
11.0	931	928	931	929	936	936	934	937	947	944	943	946	948	945	939
12.0	949	948	950	946	952	957	955	957	969	967	961	968	967	965	950
13.0	968	965	967	964	968	973	974	978	981	985	977	982	977	978	958
14.0	977	973	979	977	983	982	986	996	994	1002	996	996	988	986	973
15.0	987	981	991	992	999	994	1005	1012	1009	1015	1014	1008	1005	1001	993
16.0	1000	992	1005	1007	1014	1011	1020	1029	1036	1036	1039	1031	1024	1016	1013
17.0	1007	1006	1016	1024	1037	1043	1053	1049	1063	1057	1065	1059	1060	1048	1035
18.0	1016	1027	1040	1050	1063	1072	1081	1076	1095	1090	1095	1094	1093	1082	1060
19.0	1040	1056	1066	1078	1092	1100	1111	1113	1131	1134	1132	1137	1133	1121	1090
20.0	1068	1085	1096	1110	1130	1134	1149	1158	1169	1182	1179	1183	1174	1160	1130
21.0	1101	1117	1132	1149	1174	1180	1194	1212	1215	1234	1229	1229	1225	1209	1182
22.0	1138	1150	1174	1191	1221	1230	1250	1265	1265	1286	1284	1282	1280	1262	1243
23.0	1176	1192	1223	1239	1268	1281	1308	1321	1328	1339	1348	1347	1344	1322	1299
24.0	1217	1244	1278	1293	1325	1344	1369	1377	1390	1402	1418	1419	1417	1389	1358
25.0	1269	1305	1336	1357	1380	1411	1430	1437	1455	1468	1484	1490	1490	1461	1417
26.0	1330	1376	1401	1424	1444	1471	1486	1509	1525	1545	1555	1561	1561	1532	1485
27.0	1401	1445	1468	1490	1509	1527	1550	1580	1587	1614	1622	1627	1621	1602	1563
28.0	1472	1504	1536	1554	1573	1580	1609	1643	1645	1668	1677	1683	1674	1662	1640
29.0	1537	1565	1601	1620	1636	1644	1676	1697	1697	1716	1723	1734	1729	1717	1704
30.0	1602	1628	1668	1681	1697	1706	1738	1742	1747	1767	1770	1783	1786	1771	1757
31.0	1665	1693	1730	1738	1754	1757	1784	1783	1793	1817	1819	1828	1834	1817	1799
32.0	1725	1759	1784	1787	1805	1803	1823	1827	1838	1864	1864	1874	1877	1860	1842
33.0	1788	1821	1832	1830	1841	1840	1856	1873	1880	1907	1909	1919	1918	1907	1891
34.0	1851	1872	1873	1871	1873	1873	1887	1917	1919	1941	1951	1961	1949	1957	1942
35.0	1898	1909	1910	1908	1910	1906	1916	1953	1952	1972	1987	1996	1980	2004	1992
36.0	1932	1941	1949	1942	1943	1943	1948	1979	1979	2005	2018	2028	2015	2040	2033
37.0	1964	1972	1985	1973	1977	1983	1988	2004	2012	2040	2050	2058	2060	2071	2068
38.0	1998	2010	2022	2016	2011	2027	2027	2033	2044	2079	2085	2086	2104	2098	2098
39.0	2031	2049	2058	2059	2044	2057	2059	2066	2077	2115	2117	2116	2134	2121	2124
40.0	2068	2085	2090	2091	2072	2074	2080	2093	2105	2132	2141	2138	2148	2140	2147
41.0	2104	2109	2115	2103	2088	2076	2083	2105	2119	2133	2149	2145	2143	2150	2155
42.0	2123	2117	2126	2101	2090	2066	2073	2098	2117	2119	2142	2138	2136	2149	2147
43.0	2122	2113	2124	2092	2081	2056	2057	2074	2100	2101	2121	2120	2132	2135	2126
44.0	2102	2101	2110	2086	2067	2051	2040	2049	2078	2089	2094	2097	2123	2111	2097
45.0	2079	2090	2090	2077	2052	2046	2031	2031	2057	2080	2072	2081	2107	2092	2073
46.0	2063	2080	2071	2062	2037	2036	2025	2022	2045	2072	2062	2076	2091	2076	2065
47.0	2056	2066	2054	2043	2024	2022	2020	2021	2041	2062	2060	2076	2074	2073	2068
48.0	2049	2052	2044	2032	2016	2007	2014	2021	2039	2045	2062	2078	2069	2078	2075
49.0	2044	2039	2038	2029	2012	1997	2004	2016	2039	2033	2064	2074	2075	2089	2078
50.0	2036	2029	2038	2029	2011	1999	1996	2014	2036	2030	2065	2069	2083	2091	2076
51.0	2025	2027	2042	2035	2013	2006	1997	2015	2030	2037	2068	2063	2087	2087	2074
52.0	2024	2034	2049	2041	2015	2009	2001	2020	2026	2047	2071	2061	2080	2080	2074
53.0	2031	2047	2057	2046	2017	2009	2010	2029	2029	2055	2070	2063	2068	2077	2082



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Candela Table (cd)

	300.0	310.0	320.0	330.0	340.0	350.0	360.0
0.0	532	532	532	532	532	532	532
1.0	574	573	566	566	562	555	554
2.0	622	622	614	611	613	601	603
3.0	675	678	669	666	668	657	655
4.0	726	734	722	726	722	714	711
5.0	778	784	776	781	773	771	769
6.0	829	828	825	829	823	826	826
7.0	870	863	868	868	872	875	878
8.0	897	893	900	897	910	914	924
9.0	917	917	922	922	936	938	956
10.0	928	934	934	943	949	956	976
11.0	932	948	938	958	958	971	988
12.0	942	959	947	964	967	984	998
13.0	954	962	958	963	975	991	1005
14.0	966	969	971	966	982	995	1012
15.0	979	982	983	975	984	997	1017
16.0	994	1001	993	992	992	1000	1020
17.0	1009	1018	1003	1010	1005	1006	1029
18.0	1032	1046	1015	1018	1015	1016	1034
19.0	1063	1070	1041	1042	1038	1040	1047
20.0	1101	1099	1066	1066	1062	1065	1069
21.0	1148	1140	1097	1106	1090	1096	1097
22.0	1203	1190	1135	1151	1129	1128	1130
23.0	1260	1253	1180	1197	1174	1166	1164
24.0	1316	1319	1224	1245	1223	1211	1205
25.0	1376	1379	1268	1298	1280	1265	1253
26.0	1442	1444	1315	1362	1341	1333	1310
27.0	1517	1509	1368	1434	1410	1407	1380
28.0	1590	1572	1425	1505	1478	1479	1450
29.0	1665	1642	1482	1577	1548	1548	1527
30.0	1727	1710	1533	1641	1617	1611	1602
31.0	1775	1774	1579	1700	1684	1672	1666
32.0	1818	1824	1622	1764	1750	1736	1728
33.0	1862	1865	1660	1824	1813	1805	1790
34.0	1910	1903	1699	1874	1869	1868	1853
35.0	1959	1942	1738	1913	1922	1925	1916
36.0	2006	1988	1774	1946	1968	1970	1973
37.0	2047	2034	1806	1982	2011	2008	2020
38.0	2078	2073	1832	2026	2047	2046	2054
39.0	2097	2101	1853	2063	2075	2082	2079
40.0	2108	2106	1865	2079	2093	2113	2101
41.0	2111	2096	1866	2075	2097	2123	2115
42.0	2108	2086	1862	2058	2088	2117	2116
43.0	2100	2075	1850	2042	2074	2093	2105
44.0	2083	2062	1840	2025	2055	2065	2084
45.0	2061	2045	1830	2010	2037	2049	2061
46.0	2038	2027	1827	1999	2020	2043	2042
47.0	2027	2010	1827	1996	2010	2041	2032
48.0	2025	2001	1834	1994	2008	2044	2030
49.0	2035	2006	1847	1997	2012	2043	2038
50.0	2050	2017	1852	1999	2018	2043	2050
51.0	2061	2029	1855	2002	2024	2044	2058
52.0	2063	2036	1852	2003	2026	2048	2063
53.0	2060	2035	1854	2007	2027	2057	2065



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Candela Table (cd)

	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
54.0	2077	2077	2065	2066	2083	2074	2086	2053	2063	2056	2073	2063	2074	2048	2052
55.0	2079	2070	2072	2062	2089	2082	2084	2067	2072	2052	2076	2068	2079	2049	2052
56.0	2067	2067	2076	2067	2087	2090	2074	2074	2075	2046	2076	2069	2080	2056	2047
57.0	2051	2062	2074	2072	2075	2089	2068	2070	2073	2046	2078	2070	2077	2066	2047
58.0	2043	2055	2060	2066	2057	2073	2061	2055	2062	2045	2073	2068	2071	2064	2047
59.0	2032	2039	2038	2051	2042	2049	2053	2037	2049	2042	2062	2055	2055	2048	2047
60.0	2011	2012	2013	2027	2029	2027	2038	2021	2036	2029	2042	2032	2036	2022	2038
61.0	1981	1982	1991	2000	2018	2014	2022	2012	2024	2006	2017	2007	2016	1997	2024
62.0	1947	1953	1970	1977	2000	2000	1999	2002	2008	1978	1991	1986	1991	1980	1999
63.0	1925	1926	1948	1957	1973	1979	1968	1984	1988	1949	1965	1965	1966	1960	1968
64.0	1898	1901	1921	1935	1939	1950	1932	1953	1957	1924	1943	1941	1936	1935	1933
65.0	1857	1872	1884	1901	1898	1909	1896	1913	1920	1903	1917	1909	1902	1903	1899
66.0	1791	1826	1831	1859	1852	1859	1861	1872	1880	1876	1883	1867	1865	1862	1862
67.0	1708	1751	1758	1794	1796	1804	1818	1827	1835	1834	1837	1820	1822	1805	1813
68.0	1597	1639	1656	1700	1716	1731	1755	1771	1780	1769	1770	1763	1758	1735	1741
69.0	1434	1485	1520	1570	1600	1623	1653	1679	1686	1668	1674	1675	1662	1640	1633
70.0	1235	1297	1349	1403	1435	1471	1500	1537	1550	1533	1543	1544	1523	1502	1478
71.0	1023	1096	1149	1211	1240	1282	1313	1353	1377	1367	1374	1373	1343	1321	1287
72.0	811	883	933	995	1029	1072	1111	1147	1176	1180	1178	1177	1145	1116	1080
73.0	643	703	743	792	814	856	898	929	954	969	961	957	929	896	867
74.0	511	554	588	623	644	678	716	744	760	774	767	768	747	713	692
75.0	416	444	469	495	513	539	566	590	602	609	607	609	594	570	554
76.0	342	362	381	401	418	435	457	472	481	486	485	488	476	463	451
77.0	283	299	313	330	342	353	372	382	391	396	393	397	388	381	371
78.0	237	251	261	275	282	289	305	311	322	325	322	327	318	313	306
79.0	201	212	220	231	237	241	255	259	268	270	268	271	264	258	254
80.0	172	180	187	194	200	205	216	220	226	227	224	226	220	214	212
81.0	148	153	159	164	170	175	183	188	190	190	187	187	182	177	176
82.0	126	131	135	139	144	150	155	159	159	157	154	152	147	145	147
83.0	104	110	113	117	122	127	132	135	135	132	127	126	123	121	124
84.0	86	91	93	97	100	104	110	112	113	111	107	107	104	102	106
85.0	73	76	78	82	84	86	90	92	93	93	91	91	89	87	89
86.0	64	66	68	70	72	73	76	78	79	80	78	78	76	75	75
87.0	56	58	60	61	63	64	66	67	68	68	67	66	65	64	65
88.0	50	52	53	54	55	56	58	59	59	60	59	58	57	56	57
89.0	49	49	50	49	50	51	52	53	52	52	52	50	50	49	50
90.0	48	49	48	49	49	50	50	50	49	49	47	45	45	45	46
91.0	46	47	46	47	48	48	49	49	49	48	46	43	43	43	44
92.0	43	44	44	45	46	46	47	47	47	46	43	41	40	40	43
93.0	39	40	41	42	44	44	45	45	45	44	41	39	38	38	41
94.0	36	37	38	39	41	40	41	41	42	41	38	37	36	37	39
95.0	34	34	35	36	37	37	37	37	38	37	36	35	34	35	37
96.0	31	31	33	34	34	34	34	35	35	34	34	33	32	33	35
97.0	29	29	30	31	31	31	32	32	32	32	31	30	30	30	32
98.0	27	27	28	29	29	29	30	30	30	30	29	28	28	28	29
99.0	25	26	26	27	27	27	27	28	29	28	26	25	25	25	26
100.0	24	24	24	25	25	24	25	27	27	26	24	23	23	23	24
101.0	22	22	22	22	23	21	23	25	25	24	22	21	21	20	22
102.0	20	20	20	20	20	19	21	23	23	22	20	19	19	19	19
103.0	17	18	18	18	18	17	19	20	20	20	18	18	17	17	18
104.0	16	16	16	16	16	16	17	17	18	18	17	16	16	16	16
105.0	15	15	15	15	15	15	16	16	16	16	16	15	15	15	15
106.0	14	14	14	14	14	14	15	15	15	15	15	15	14	14	15
107.0	14	14	14	14	14	14	14	14	15	15	14	14	14	13	14



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Candela Table (cd)

	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
54.0	2044	2059	2065	2050	2018	2001	2012	2033	2033	2052	2068	2069	2062	2080	2087
55.0	2056	2064	2070	2048	2016	1993	2011	2029	2036	2043	2064	2071	2062	2081	2081
56.0	2061	2059	2069	2047	2015	1986	2000	2015	2029	2029	2051	2063	2057	2074	2061
57.0	2054	2051	2063	2040	2005	1979	1980	1994	2012	2015	2035	2044	2045	2058	2037
58.0	2040	2039	2048	2022	1988	1971	1959	1973	1985	2004	2014	2015	2025	2032	2018
59.0	2024	2028	2027	2003	1967	1955	1937	1955	1955	1985	1992	1989	1995	2010	2000
60.0	2012	2019	2006	1981	1945	1933	1918	1934	1927	1956	1961	1963	1969	1983	1985
61.0	2000	2001	1984	1955	1920	1900	1893	1904	1903	1920	1927	1941	1949	1955	1966
62.0	1982	1975	1960	1925	1891	1863	1867	1867	1878	1882	1893	1920	1931	1924	1936
63.0	1953	1942	1933	1892	1858	1827	1834	1825	1847	1844	1858	1889	1903	1886	1896
64.0	1915	1904	1902	1855	1819	1790	1792	1782	1805	1805	1818	1844	1856	1840	1843
65.0	1879	1868	1866	1813	1773	1749	1735	1735	1748	1755	1762	1780	1786	1774	1782
66.0	1839	1826	1816	1760	1715	1691	1664	1671	1669	1674	1677	1685	1685	1683	1692
67.0	1790	1770	1748	1687	1634	1602	1572	1568	1550	1549	1550	1551	1549	1554	1562
68.0	1713	1684	1645	1582	1521	1482	1452	1430	1398	1384	1384	1386	1384	1383	1391
69.0	1592	1553	1507	1439	1378	1326	1295	1252	1220	1197	1189	1201	1189	1183	1192
70.0	1426	1380	1328	1262	1195	1137	1106	1052	1018	988	977	995	968	964	980
71.0	1231	1182	1126	1066	995	937	905	854	833	808	794	808	784	778	788
72.0	1016	966	911	863	806	762	734	694	674	656	645	648	632	629	635
73.0	823	783	729	694	652	615	593	566	546	535	527	525	516	512	517
74.0	661	633	586	564	531	503	486	469	448	440	435	433	427	422	425
75.0	534	514	481	466	440	418	406	392	374	366	361	360	355	349	351
76.0	436	423	401	388	368	351	340	328	314	305	301	301	296	291	291
77.0	359	349	334	321	306	294	285	273	264	257	253	253	249	245	245
78.0	296	289	277	265	256	248	241	231	223	218	213	213	209	207	206
79.0	247	241	232	222	216	209	202	195	188	185	179	180	176	174	173
80.0	209	204	197	189	183	175	170	166	160	157	153	152	149	148	147
81.0	177	173	167	161	155	147	144	142	138	136	133	131	129	127	126
82.0	149	148	144	138	133	127	123	124	120	117	115	112	110	109	107
83.0	127	128	124	119	114	108	105	104	100	97	95	92	89	89	87
84.0	108	107	104	99	94	89	87	84	82	80	78	77	74	73	72
85.0	89	88	86	82	79	75	73	70	69	68	66	66	63	62	63
86.0	74	73	71	69	67	65	64	62	61	60	58	57	55	55	55
87.0	64	63	62	61	59	57	56	55	54	52	51	50	49	49	49
88.0	57	56	54	53	52	51	50	49	49	48	48	47	47	47	47
89.0	50	50	48	48	47	47	47	48	48	48	49	48	48	48	46
90.0	46	47	47	47	46	46	47	48	48	48	47	47	46	45	44
91.0	46	46	46	46	46	45	45	46	45	45	45	44	43	42	41
92.0	45	46	46	45	44	43	43	43	43	42	42	41	40	39	38
93.0	43	43	43	43	42	41	41	41	40	40	39	38	36	36	36
94.0	41	42	41	41	40	39	38	38	37	36	35	34	33	33	33
95.0	39	39	39	38	38	36	35	34	33	33	32	32	31	31	31
96.0	36	36	35	34	34	33	32	31	31	30	30	29	29	28	28
97.0	32	32	32	31	31	30	30	29	28	28	28	27	27	26	26
98.0	30	30	30	29	29	28	27	27	26	26	26	26	25	25	24
99.0	27	28	27	27	27	26	26	26	24	24	25	25	24	24	23
100.0	25	25	25	25	25	24	24	24	21	22	23	23	23	22	21
101.0	23	23	23	23	23	22	22	22	19	21	21	21	21	21	20
102.0	20	21	21	21	21	20	20	19	18	19	19	19	19	19	18
103.0	18	19	19	19	19	18	18	17	16	17	17	17	17	17	16
104.0	17	17	17	17	17	17	16	16	15	16	16	15	15	15	15
105.0	16	16	16	16	16	16	15	15	15	15	15	15	15	15	14
106.0	15	15	15	15	15	15	15	14	14	14	14	14	14	14	14
107.0	14	14	15	14	14	14	14	14	13	13	13	14	14	13	13



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Candela Table (cd)

	300.0	310.0	320.0	330.0	340.0	350.0	360.0
54.0	2054	2028	1859	2009	2025	2067	2064
55.0	2050	2021	1861	2009	2026	2070	2065
56.0	2047	2008	1858	2005	2025	2060	2068
57.0	2039	2000	1852	1994	2019	2038	2065
58.0	2028	1990	1838	1980	2005	2013	2056
59.0	2006	1977	1828	1963	1984	1990	2037
60.0	1975	1955	1806	1945	1957	1973	2009
61.0	1942	1926	1774	1924	1934	1957	1978
62.0	1911	1891	1742	1902	1913	1934	1949
63.0	1881	1858	1711	1876	1890	1903	1925
64.0	1846	1822	1677	1842	1861	1861	1895
65.0	1786	1773	1630	1794	1817	1811	1860
66.0	1694	1696	1552	1721	1745	1750	1806
67.0	1562	1574	1440	1612	1640	1663	1718
68.0	1391	1407	1297	1462	1498	1535	1589
69.0	1195	1211	1129	1275	1323	1364	1422
70.0	982	994	939	1069	1128	1165	1232
71.0	795	810	766	858	916	947	1022
72.0	639	650	617	683	734	759	823
73.0	518	523	499	544	585	603	651
74.0	424	426	408	441	471	486	516
75.0	348	349	336	361	384	399	419
76.0	288	288	277	298	316	329	344
77.0	243	243	232	251	263	273	285
78.0	206	205	196	212	222	228	238
79.0	174	174	166	179	188	192	202
80.0	147	148	142	152	160	163	172
81.0	126	127	123	130	136	140	147
82.0	107	107	104	110	116	120	125
83.0	87	87	85	90	95	98	103
84.0	72	72	72	75	79	82	85
85.0	62	62	62	64	68	69	72
86.0	55	55	54	56	59	60	63
87.0	49	49	48	49	52	53	55
88.0	47	46	45	46	48	48	49
89.0	46	47	46	46	47	48	48
90.0	44	44	44	44	45	47	47
91.0	41	41	42	42	43	44	45
92.0	38	38	39	39	41	41	42
93.0	35	35	36	36	38	38	39
94.0	33	32	33	33	34	35	36
95.0	31	30	30	30	32	32	33
96.0	28	27	28	28	29	30	30
97.0	26	25	26	26	27	28	28
98.0	23	24	24	25	26	26	26
99.0	21	23	23	23	24	25	25
100.0	19	21	21	22	23	23	24
101.0	18	19	20	20	21	21	22
102.0	17	17	18	18	19	19	20
103.0	16	15	16	16	17	17	17
104.0	15	14	15	15	15	16	16
105.0	14	14	14	14	15	15	15
106.0	13	13	13	14	14	14	14
107.0	13	13	13	13	14	14	14



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Candela Table (cd)

	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
108.0	13	13	13	13	13	13	13	14	14	14	14	13	13	13	13
109.0	13	13	13	13	13	13	13	13	14	14	13	13	12	12	13
110.0	13	13	12	12	12	12	12	13	13	13	13	12	12	12	12
111.0	12	12	12	12	12	12	12	12	13	13	12	12	11	11	12
112.0	12	12	12	11	11	11	12	12	12	12	12	11	11	11	11
113.0	11	11	11	11	11	11	11	12	12	12	12	11	11	10	11
114.0	11	11	11	10	10	10	11	11	11	11	11	11	10	10	10
115.0	11	10	10	10	10	10	10	11	11	11	11	10	10	10	10
116.0	10	10	10	10	10	9	10	10	10	10	10	10	9	9	9
117.0	10	10	9	9	9	9	9	10	10	10	10	9	8	9	9
118.0	9	9	9	9	9	8	9	9	10	10	9	9	8	8	9
119.0	9	9	9	9	8	8	8	9	9	9	9	8	7	8	8
120.0	9	8	8	8	8	7	8	9	9	9	9	8	7	8	8
121.0	8	8	8	8	8	7	7	8	8	8	8	8	7	7	8
122.0	8	8	8	8	7	7	7	8	8	8	8	7	6	7	7
123.0	8	8	7	7	7	6	7	8	8	8	8	7	6	6	7
124.0	7	7	7	7	7	6	7	7	8	8	7	7	6	6	7
125.0	7	7	7	7	6	6	7	7	7	7	7	7	6	6	6
126.0	7	7	7	7	6	6	6	7	7	7	7	6	5	5	6
127.0	6	6	6	6	6	5	6	7	7	7	7	6	5	5	6
128.0	6	6	6	6	5	5	6	7	7	7	7	6	5	5	6
129.0	5	6	6	5	5	5	6	6	6	6	6	6	5	5	5
130.0	5	5	5	5	5	5	5	6	6	6	6	6	5	4	5
131.0	5	5	5	5	5	4	5	5	6	6	6	6	5	4	5
132.0	4	5	5	5	4	4	5	5	5	5	5	5	5	4	4
133.0	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4
134.0	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4
135.0	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3
136.0	3	4	4	3	3	4	4	4	4	4	4	4	4	3	3
137.0	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3
138.0	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3
139.0	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3
140.0	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
141.0	2	3	3	2	3	3	3	3	3	3	3	3	3	3	2
142.0	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2
143.0	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2
144.0	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
145.0	2	2	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	2	2
147.0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
148.0	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
149.0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
150.0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
151.0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
152.0	1	1	1	1	2	1	1	2	2	2	2	2	1	1	1
153.0	1	1	1	1	2	1	1	1	1	2	2	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	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
108.0	14	14	14	14	14	14	13	13	13	13	13	13	13	13	13
109.0	13	13	14	13	13	13	13	13	12	12	13	13	13	12	12
110.0	13	13	13	13	13	13	13	12	12	12	12	12	12	12	12
111.0	12	13	13	13	13	12	12	12	12	12	12	12	12	12	11
112.0	12	12	12	12	12	12	12	11	11	11	11	12	12	11	11
113.0	11	12	12	12	12	11	11	11	11	11	11	11	11	11	10
114.0	11	11	11	11	11	11	11	10	10	10	11	11	11	10	10
115.0	10	11	11	11	11	11	10	10	9	9	10	10	10	10	9
116.0	10	10	10	10	10	10	10	10	9	9	10	10	10	10	9
117.0	9	10	10	10	10	10	9	9	8	8	9	9	9	9	9
118.0	9	9	10	10	10	9	9	9	8	8	9	9	9	9	8
119.0	8	9	9	9	9	9	9	8	7	8	9	9	9	9	8
120.0	8	9	9	9	9	9	8	8	7	8	8	8	8	8	8
121.0	8	8	8	8	8	8	8	8	7	7	8	8	8	8	8
122.0	7	8	8	8	8	8	8	7	6	7	8	8	8	8	7
123.0	7	7	8	8	8	8	7	7	6	7	8	8	8	8	7
124.0	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7
125.0	6	7	7	7	7	7	7	6	6	6	7	7	7	7	6
126.0	6	6	7	7	7	7	7	6	5	6	7	7	7	7	6
127.0	6	6	6	6	6	7	6	6	5	6	6	6	6	6	6
128.0	6	6	6	6	6	6	6	5	5	6	6	6	6	6	6
129.0	6	6	6	6	6	6	6	5	5	5	6	6	6	6	5
130.0	5	5	5	5	6	6	5	5	5	5	5	5	5	5	5
131.0	5	5	5	5	5	5	5	4	4	5	5	5	5	5	5
132.0	5	5	5	4	5	5	5	4	4	5	5	5	5	5	5
133.0	5	5	4	4	5	4	4	4	4	5	5	5	4	4	4
134.0	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4
135.0	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4
136.0	3	4	3	3	4	4	3	3	4	4	4	4	4	4	4
137.0	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3
138.0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
139.0	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3
140.0	3	3	3	2	3	3	2	3	3	3	3	3	3	3	3
141.0	2	3	2	2	2	2	2	2	3	3	3	3	3	3	3
142.0	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2
143.0	2	2	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	2	2
145.0	2	2	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	2	2
147.0	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
148.0	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1
149.0	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
150.0	1	1	1	1	1	1	1	2	2	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	310.0	320.0	330.0	340.0	350.0	360.0
108.0	12	12	12	13	13	13	13
109.0	12	12	12	13	13	13	13
110.0	12	11	12	12	13	13	13
111.0	11	11	11	12	12	12	12
112.0	11	10	11	11	12	12	12
113.0	10	10	10	11	11	11	11
114.0	9	10	10	10	11	11	11
115.0	9	9	9	10	11	11	10
116.0	8	9	9	10	10	10	10
117.0	8	9	9	9	10	10	10
118.0	8	8	8	9	9	9	9
119.0	7	8	8	8	9	9	9
120.0	7	7	8	8	9	9	9
121.0	6	7	7	8	8	8	8
122.0	6	7	7	7	8	8	8
123.0	6	6	7	7	7	8	8
124.0	6	6	7	7	7	7	7
125.0	6	6	6	6	7	7	7
126.0	5	5	6	6	6	7	7
127.0	5	5	6	6	6	6	6
128.0	5	5	5	6	6	6	6
129.0	5	4	5	5	5	5	5
130.0	4	4	5	5	5	5	5
131.0	4	4	4	5	5	5	5
132.0	4	4	4	4	5	4	4
133.0	4	3	4	4	4	4	4
134.0	4	3	4	4	4	4	4
135.0	4	3	3	4	4	3	3
136.0	3	3	3	3	4	3	3
137.0	3	3	3	3	3	3	3
138.0	3	3	3	3	3	3	3
139.0	3	3	2	3	3	3	3
140.0	3	2	2	3	3	2	2
141.0	3	2	2	2	3	2	2
142.0	2	2	2	2	2	2	2
143.0	2	2	2	2	2	2	2
144.0	2	2	2	2	2	2	2
145.0	2	2	2	2	2	2	2
146.0	2	2	2	2	2	2	2
147.0	2	2	2	2	2	2	2
148.0	2	1	1	1	1	2	2
149.0	1	1	1	1	1	1	1
150.0	1	1	1	1	1	1	1
151.0	1	1	1	1	1	1	1
152.0	1	1	1	1	1	1	1
153.0	1	1	1	1	1	1	1
154.0	1	1	1	1	1	1	1
155.0	1	1	1	1	1	1	1
156.0	1	1	1	1	1	1	1
157.0	1	1	1	1	1	1	1
158.0	1	1	1	1	1	1	1
159.0	1	1	1	1	1	1	1
160.0	1	1	1	1	1	1	1
161.0	1	1	1	1	1	1	1



Test Report Number: 10021186-9
Test Item Number: 014011

Candela Table (cd)

	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0
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



Test Report Number: 10021186-9
Test Item Number: 014011

Candela Table (cd)

	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
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



Test Report Number: 10021186-9
Test Item Number: 014011

Candela Table (cd)

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