

Luminaire Photograph

LED STREET LIGHT SL690 SERIES
FEELIGHT TECH CO., LIMITED



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 20DEG
Operators: IVY
Test Date: 2010-10-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B SYSTEM V1.0.250
Humidity: 65%
Test Distance: 5.360m [K=1.0000]
Remarks: SL690-60W, 90LM/W

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

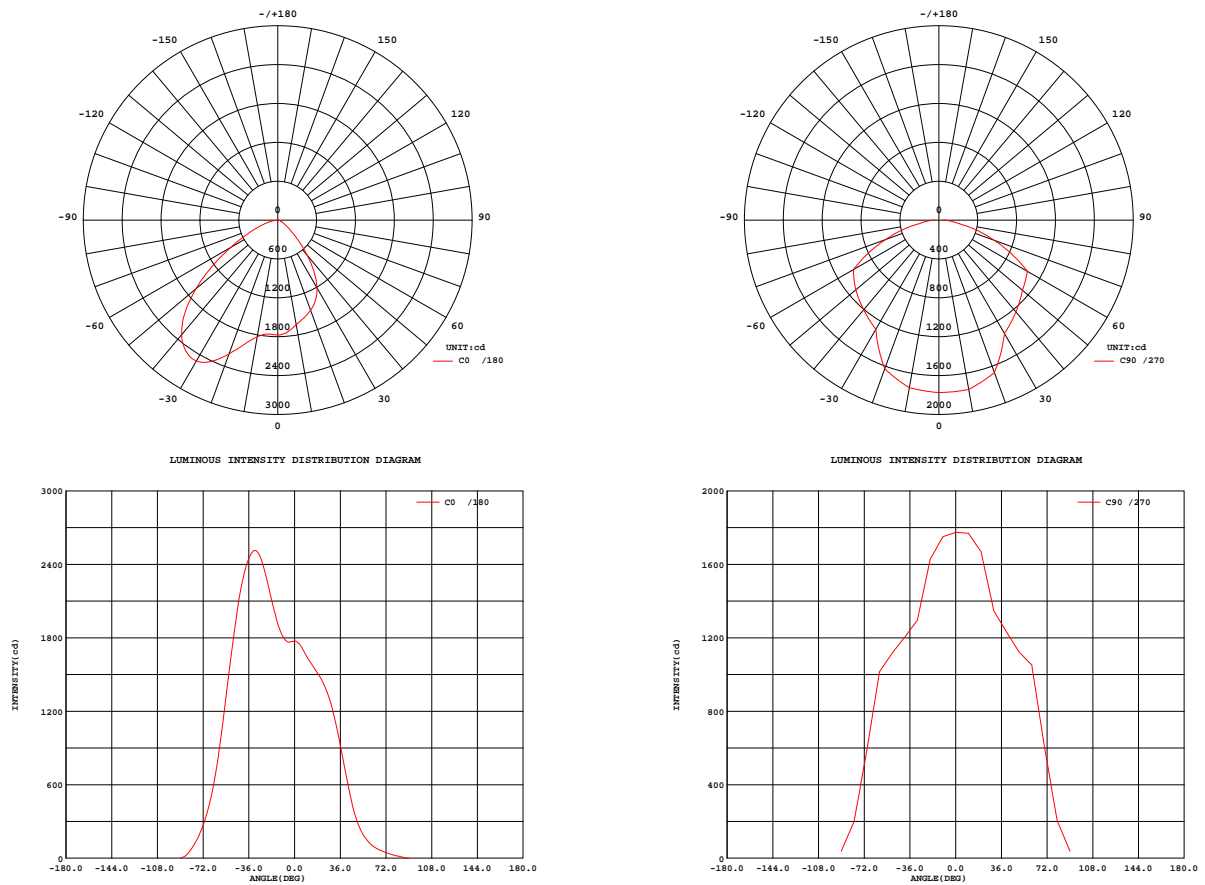


Fig. C0/C180

Fig. C90/C270

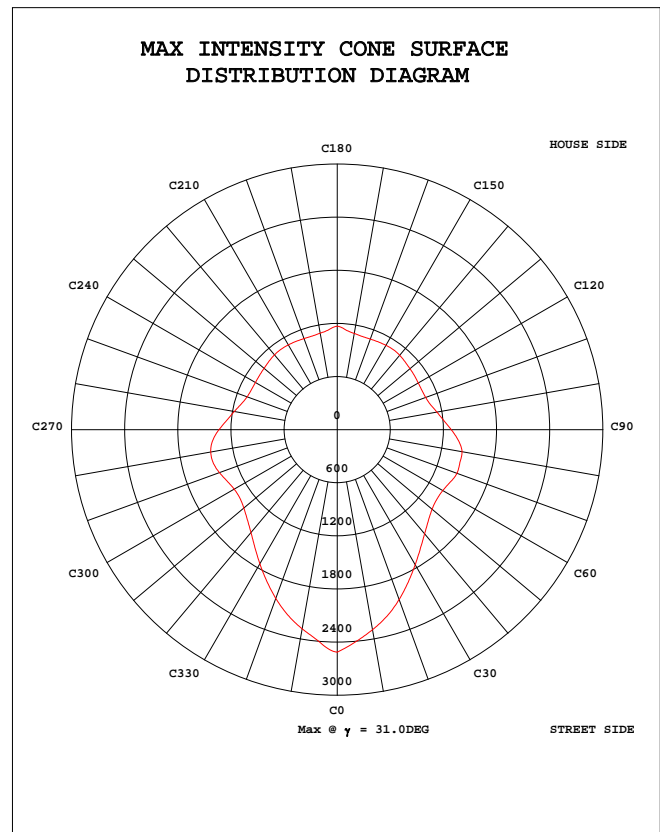
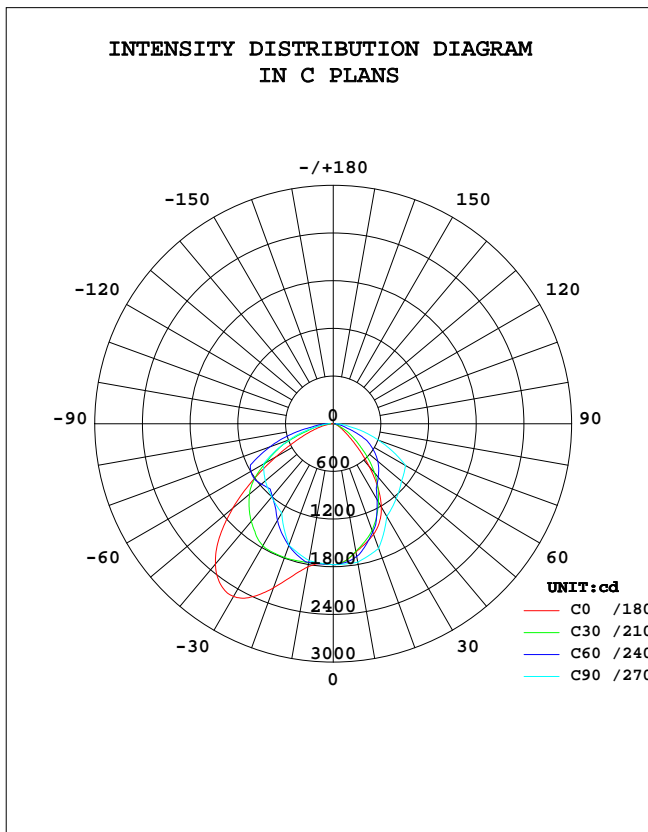
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STREETLIGHT PHOTOMETRIC TEST REPORT

NAME: LED STREET LIGHT	TYPE:SL690 SERIES	WEIGHT:9KGS
DIMENSION: 69x33x14cm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	SL690-60W	Imax(cd)	2513	η street_up(%)	0.0
NOMINAL POWER(W)	66	EFFICIENCY(%)	102.4	η street_down(%)	68.1
RATED VOLTAGE(V)	234	TOTAL FLUX(lm)	4710	η house_up(%)	0.0
NOMINAL FLUX(lm)	4600.0	MAXIMUM @(C, γ)	0,31.0	η house_down(%)	34.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.0010
TEST VOLTAGE(V)	234.8	η down(%)	102.4	SLI	17.795



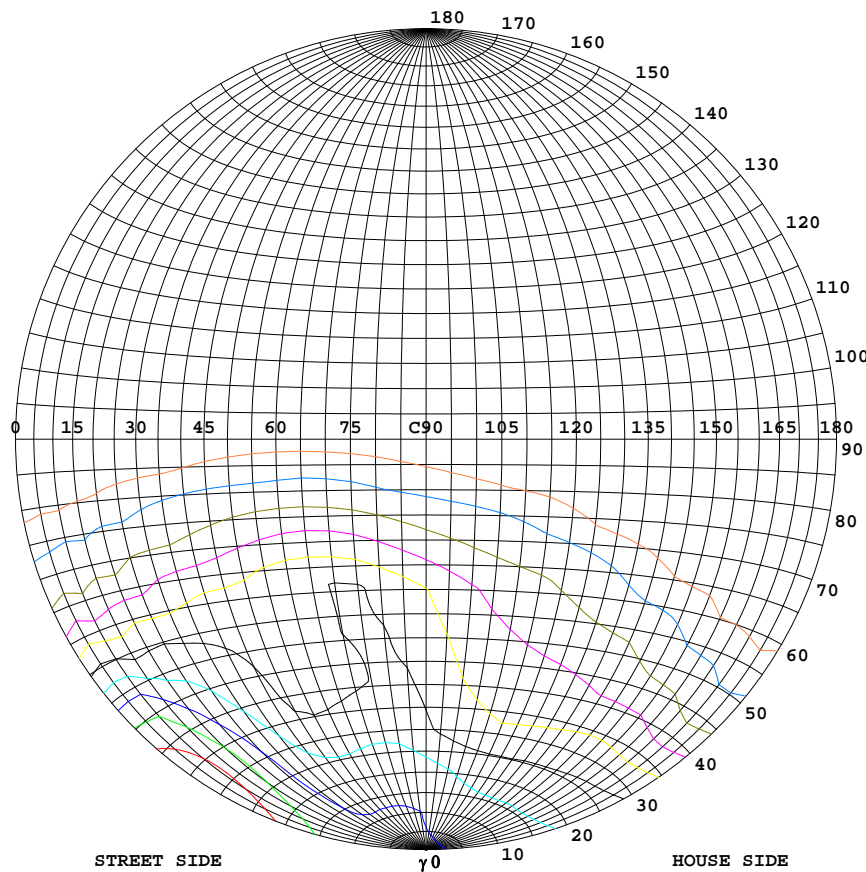
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Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

NAME: LED STREET LIGHT	TYPE:SL690 SERIES	WEIGHT:9KGS
DIMENSION: 69x33x14cm	SPECIFICATION:	SERIAL No.:
MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:



Classification:

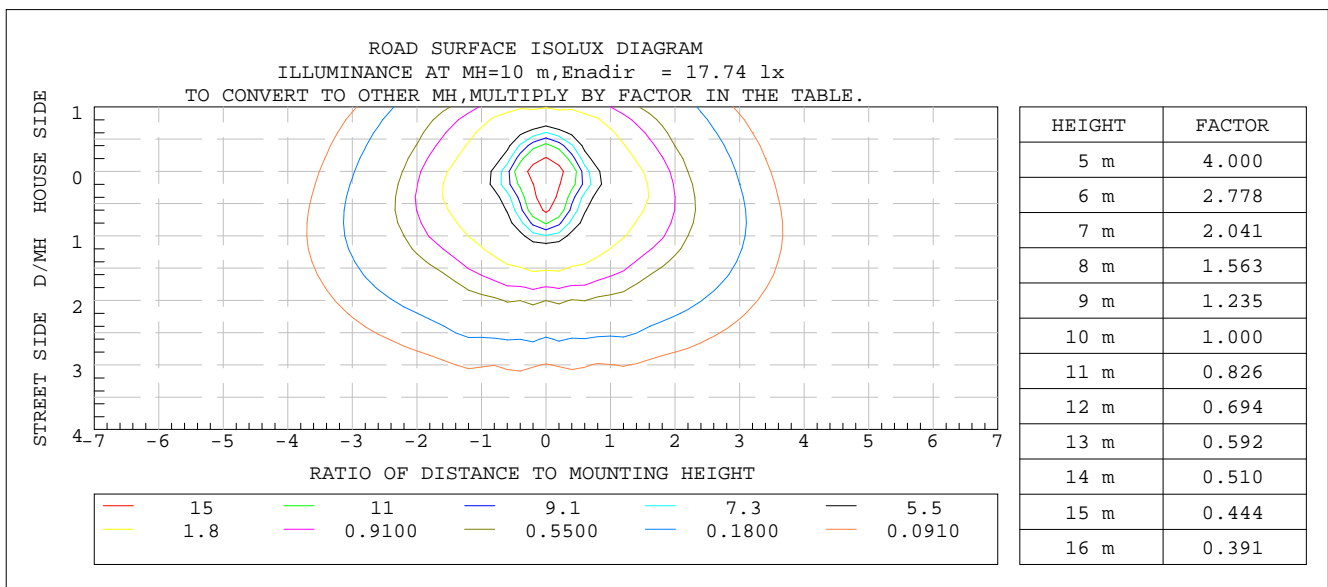
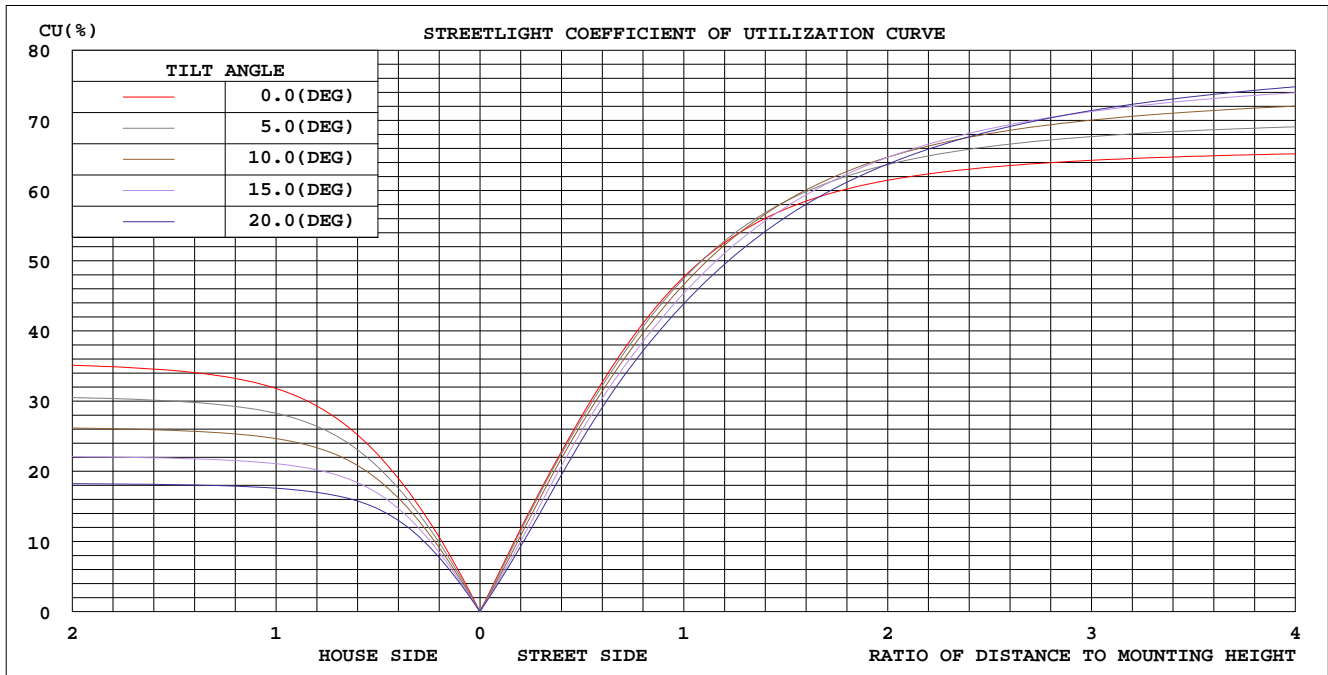
IES:Type III - Very Short
 CIE:Narrow - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:75.07cd/klm
 Max.At90:15.09cd/klm
 Max.80-90:75.07cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2513
90%	2262
80%	2011
70%	1759
60%	1508
50%	1257
40%	1005
30%	754
20%	503
10%	251
5%	126

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**COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM**



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Test Date: 2010-10-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
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ZONAL FLUX DIAGRAM

NAME: LED STREET LIGHT	TYPE:SL690 SERIES	WEIGHT:9KGS
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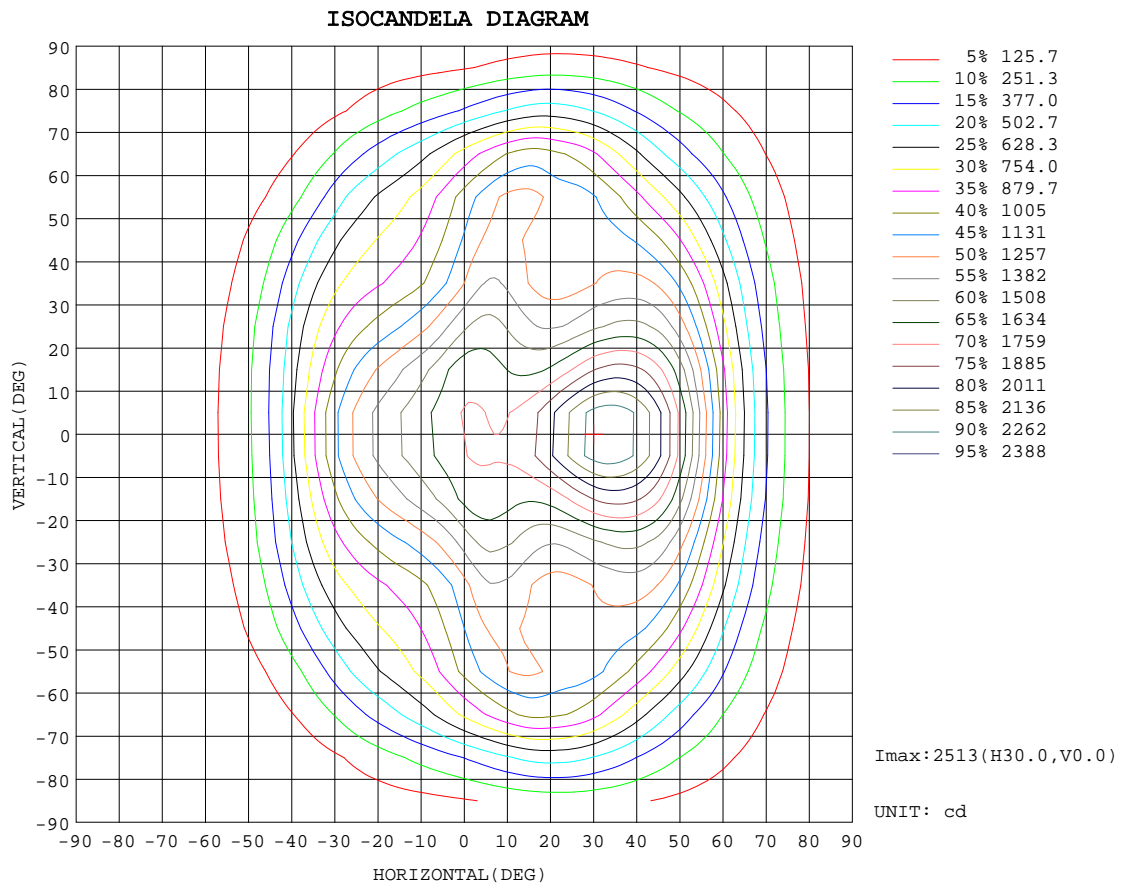
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%
5	1766	1770	1762	1726	1733	1742	1772	1763	0- 5	42.13	42.13	0.89
10	1827	1766	1751	1632	1640	1656	1769	1736	5- 10	124.1	166.2	3.53
15	1983	1729	1689	1531	1563	1551	1720	1686	10- 15	200.9	367.1	7.79
20	2196	1658	1628	1399	1482	1417	1670	1617	15- 20	270.4	637.6	13.54
25	2400	1570	1463	1269	1373	1277	1509	1535	20- 25	329.5	967.0	20.53
30	2510	1474	1298	1117	1211	1124	1348	1454	25- 30	372.9	1340	28.45
35	2471	1378	1251	958.1	979.5	966.1	1290	1365	30- 35	401.0	1741	36.96
40	2307	1285	1203	810.9	710.5	830.1	1232	1275	35- 40	415.7	2157	45.79
45	2028	1269	1160	719.2	460.2	741.3	1178	1258	40- 45	418.7	2575	54.68
50	1648	1230	1116	619.8	282.2	646.1	1123	1210	45- 50	414.2	2990	63.47
55	1225	1194	1065	463.2	176.9	483.3	1087	1161	50- 55	398.6	3388	71.93
60	832.2	1099	1014	313.2	115.2	320.8	1051	1052	55- 60	369.2	3757	79.77
65	533.7	896.1	797.9	216.4	77.64	217.4	827.4	846.5	60- 65	321.5	4079	86.60
70	330.5	674.3	581.4	136.7	53.79	134.2	603.6	637.0	65- 70	250.6	4330	91.92
75	190.8	472.5	390.3	64.75	35.13	64.42	404.0	457.1	70- 75	178.9	4508	95.72
80	95.14	282.6	199.2	32.80	20.61	34.32	204.4	274.7	75- 80	112.8	4621	98.11
85	26.30	141.4	118.6	14.20	8.970	16.47	121.1	137.0	80- 85	60.55	4682	99.40
90	4.860	54.40	37.98	4.530	2.058	6.769	37.87	50.70	85- 90	28.25	4710	100.00
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

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MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774
5	1766	1766	1767	1767	1767	1767	1768	1768	1769	1770	1770	1771	1771	1770	1770	1768	1767	1764	1762
10	1827	1819	1810	1801	1792	1784	1777	1771	1767	1766	1767	1770	1774	1775	1776	1773	1769	1762	1751
15	1983	1952	1918	1882	1846	1813	1784	1760	1742	1729	1722	1719	1720	1722	1726	1725	1719	1708	1689
20	2196	2131	2062	1990	1920	1852	1791	1737	1692	1658	1639	1629	1633	1643	1655	1664	1665	1655	1628
25	2400	2306	2206	2102	1994	1888	1789	1700	1626	1570	1534	1522	1527	1542	1552	1558	1550	1515	1463
30	2510	2401	2289	2173	2042	1903	1772	1653	1550	1474	1423	1399	1405	1431	1459	1454	1448	1382	1298
35	2471	2368	2267	2159	2003	1849	1700	1580	1473	1378	1302	1263	1275	1309	1352	1375	1380	1337	1251
40	2307	2230	2159	2033	1873	1718	1604	1494	1381	1285	1236	1201	1193	1207	1238	1285	1316	1289	1203
45	2028	1998	1982	1828	1673	1584	1497	1391	1325	1269	1212	1164	1148	1173	1217	1267	1287	1246	1160
50	1648	1669	1659	1529	1454	1429	1376	1327	1277	1230	1212	1194	1181	1201	1249	1285	1272	1205	1116
55	1225	1293	1264	1172	1223	1241	1213	1198	1195	1194	1210	1224	1211	1217	1261	1280	1243	1164	1065
60	832	921	868	887	967	964	983	1034	1073	1099	1119	1159	1197	1226	1266	1276	1215	1123	1014
65	534	613	549	650	653	691	777	838	862	896	954	1035	1090	1103	1098	1069	989	894	798
70	331	370	370	395	419	506	544	570	610	674	738	796	846	866	859	819	744	659	581
75	191	202	230	233	278	292	325	376	423	472	523	564	594	607	595	561	506	445	390
80	95.1	114	116	131	142	172	204	229	257	283	307	327	337	339	324	300	266	230	199
85	26.3	38.6	42.2	58.4	67.9	77.9	89.1	106	123	141	158	174	185	191	187	175	158	137	119
90	4.86	5.14	7.32	10.5	15.7	23.0	31.7	39.8	47.3	54.4	60.6	65.8	68.8	69.4	66.2	60.5	52.9	44.2	38.0

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γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Humidity:65%
 Test Distance:5.360m [K=1.0000]
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MANUFACTURER: FEELIGHT TECH CO., LIMITED	SURFACE:	PROTECTION ANGLE:

Table--2 UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774
5	1758	1754	1749	1745	1740	1735	1731	1728	1726	1724	1723	1722	1722	1723	1724	1727	1729	1733	1731
10	1734	1718	1701	1684	1669	1657	1647	1639	1632	1626	1623	1621	1621	1622	1624	1628	1633	1640	1635
15	1661	1632	1602	1576	1558	1544	1535	1532	1531	1531	1527	1524	1524	1526	1532	1540	1551	1563	1552
20	1584	1537	1491	1457	1433	1418	1407	1402	1399	1403	1411	1423	1426	1430	1438	1449	1464	1482	1465
25	1403	1351	1310	1284	1270	1265	1264	1269	1269	1271	1277	1284	1295	1303	1311	1325	1346	1373	1347
30	1221	1167	1126	1101	1090	1090	1098	1106	1117	1130	1134	1133	1131	1129	1133	1149	1175	1211	1176
35	1162	1090	1034	992	966	951	937	948	958	968	972	973	952	926	903	913	938	980	941
40	1105	1024	962	918	891	872	854	834	811	806	802	791	775	723	670	648	670	711	676
45	1059	969	899	850	818	796	774	748	719	675	627	600	574	540	470	415	429	460	436
50	1015	917	839	785	745	712	678	649	620	560	492	422	384	360	315	262	259	282	265
55	956	849	771	713	666	620	566	513	463	421	376	301	239	216	207	171	161	177	164
60	898	782	703	638	581	519	453	382	313	266	235	205	163	129	125	116	103	115	105
65	707	620	558	504	456	402	344	277	216	169	133	116	105	89.0	75.7	80.3	69.3	77.6	70.7
70	516	454	399	346	302	256	212	170	137	109	85.7	69.4	59.4	58.4	52.9	50.6	48.9	53.8	50.0
75	344	303	266	228	191	150	113	83.1	64.8	55.4	48.0	42.9	38.2	33.6	34.0	31.0	33.4	35.1	34.7
80	174	156	142	125	106	83.8	62.4	44.5	32.8	25.9	21.5	18.2	18.1	18.5	17.0	17.6	17.2	20.6	18.9
85	103	90.9	81.0	69.0	55.6	42.0	29.5	20.0	14.2	11.0	9.11	7.90	7.37	6.73	5.76	6.26	5.96	8.97	8.41
90	32.9	28.9	25.1	20.0	14.0	8.93	6.15	5.04	4.53	4.12	3.80	3.54	3.25	2.42	1.55	1.44	1.44	2.06	4.41

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γ Range: 0 - 90DEG
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Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774
5	1731	1730	1731	1732	1734	1737	1739	1742	1745	1749	1753	1757	1760	1764	1767	1769	1772	1771	1771
10	1631	1629	1629	1630	1633	1638	1646	1656	1667	1681	1697	1712	1727	1741	1752	1761	1769	1771	1769
15	1544	1537	1533	1532	1534	1539	1548	1551	1556	1566	1582	1604	1633	1661	1687	1706	1720	1721	1718
20	1451	1440	1433	1431	1428	1420	1417	1417	1424	1435	1452	1478	1514	1562	1610	1648	1670	1671	1664
25	1328	1316	1309	1300	1290	1282	1277	1277	1285	1289	1292	1302	1326	1362	1410	1461	1509	1543	1559
30	1152	1138	1135	1137	1138	1139	1137	1124	1113	1105	1104	1107	1124	1159	1207	1267	1348	1424	1466
35	919	911	935	960	981	982	977	966	955	943	957	976	1007	1056	1121	1197	1290	1371	1400
40	659	686	741	794	810	820	825	830	848	864	881	900	927	976	1045	1131	1232	1315	1330
45	427	489	566	600	626	654	701	741	771	792	810	832	863	912	985	1076	1178	1266	1305
50	273	334	381	405	448	519	587	646	673	702	731	765	802	853	929	1024	1123	1221	1297
55	178	219	226	249	313	392	440	483	535	593	642	689	733	787	867	974	1087	1192	1277
60	119	130	135	168	212	240	271	321	396	473	543	603	658	719	804	924	1051	1163	1258
65	82.6	78.3	91.8	109	119	135	169	217	277	352	420	473	522	573	638	727	827	929	1028
70	52.3	54.7	60.1	61.4	70.7	86.6	107	134	168	211	257	306	359	412	469	531	604	688	778
75	32.7	35.8	35.5	40.3	44.7	49.7	56.1	64.4	81.1	109	145	187	231	272	311	353	404	463	528
80	19.9	19.6	21.2	20.9	21.0	24.1	28.3	34.3	44.6	59.4	79.1	99.3	119	138	157	177	204	237	275
85	9.46	8.86	9.60	10.2	10.5	11.7	13.6	16.5	21.4	29.0	39.8	51.9	64.9	77.9	90.7	104	121	141	162
90	4.40	4.48	5.25	5.77	5.87	6.00	6.30	6.77	7.34	8.31	10.3	13.9	18.7	23.4	28.0	32.4	37.9	44.8	53.1

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Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774	1774				
5	1770	1770	1769	1768	1766	1765	1763	1762	1761	1761	1761	1762	1763	1764	1765				
10	1766	1760	1752	1745	1739	1736	1736	1739	1745	1754	1764	1776	1789	1802	1815				
15	1711	1700	1686	1678	1674	1676	1686	1702	1724	1753	1788	1825	1866	1907	1947				
20	1647	1621	1598	1584	1584	1595	1617	1654	1700	1757	1826	1899	1975	2052	2126				
25	1550	1527	1501	1483	1480	1495	1535	1597	1675	1766	1866	1972	2084	2194	2300				
30	1466	1436	1397	1371	1369	1398	1454	1528	1635	1755	1887	2026	2160	2281	2397				
35	1381	1334	1286	1253	1246	1289	1365	1462	1574	1695	1841	1996	2155	2266	2368				
40	1289	1234	1198	1181	1192	1226	1275	1374	1488	1606	1722	1879	2041	2165	2233				
45	1277	1220	1166	1141	1158	1203	1258	1314	1383	1496	1590	1687	1836	1985	2000				
50	1299	1253	1192	1180	1189	1196	1210	1252	1308	1371	1435	1472	1549	1680	1683				
55	1303	1268	1209	1209	1210	1182	1161	1156	1168	1199	1242	1240	1202	1292	1312				
60	1308	1274	1211	1180	1130	1083	1052	1021	997	970	970	992	917	898	945				
65	1102	1111	1092	1068	1000	910	846	814	803	760	696	672	670	567	629				
70	852	884	871	837	776	707	637	577	553	536	512	436	411	383	376				
75	584	616	615	595	556	510	457	409	369	329	302	293	245	240	205				
80	311	337	345	341	325	303	275	251	227	205	177	147	137	120	116				
85	182	193	194	187	173	157	137	120	104	88.9	79.0	69.2	59.9	42.3	38.5				
90	61.3	67.3	68.9	67.6	63.4	57.3	50.7	44.6	37.6	30.5	22.8	16.5	12.4	9.57	7.87				

C Range: 0 - 360DEG γ Range: 0 - 90DEG
 C Interval: 5.0DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System:EVERFINE GO-2000B SYSTEM V1.0.250
 Temperature:20DEG Humidity:65%
 Operators:IVY Test Distance:5.360m [K=1.0000]
 Test Date:2010-10-14 Remarks: SL690-60W, 90LM/W