



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50865.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
 [DATE]02/26/01  
 [TEST]ITL50865  
 [MANUFAC]LEXALITE INTERNATIONAL CORPORATION  
 [LUMCAT]LEXALITE MODEL 121 III  
 [LUMINAIRE]SPUN SPECULAR FLUTED METAL REFLECTOR WITH FABRICATED PREMIUM  
 [MORE]SPECULAR METAL UPPER COLLAR AND WHITE PAINTED METAL SOCKET  
 [MORE]MOUNTING PLATE, CLEAR ACRYLIC PRISMATIC ACORN REFRACTOR.  
 [MORE]LAMP LIGHT CENTER ADJUSTED TO 1.0" ABOVE REFLECTOR RIM.  
 [LAMP]ONE 250-WATT CLEAR ED-18 HIGH PRESSURE SODIUM, VERTICAL BASE-UP  
 [MORE]POSITION.  
 [\_ARCVOLTSRISE] 3.8

Note: Candela values converted from Type-C to Type-B

**CHARACTERISTICS**

IES NEMA Type	7 H x 7 V
Maximum Candela	12726
Maximum Candela Angle	-65H 33V
Horizontal Beam Angle (50%)	33.9
Vertical Beam Angle (50%)	83.3
Horizontal Field Angle (10%)	175.4
Vertical Field Angle (10%)	165.0
Total Rated Lamp Lumens	27500
Beam Lumens	5469.48
Beam Efficiency	19.89%
Field Lumens	19551.14
Field Efficiency	71.10%
Spill Lumens	1121.96
Total Lumens	20673.1
Total Efficiency	75.17%
Total Luminaire Watts	250
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	688	90	406
85	1997	85	897
75	7275	75	2745
65	8357	65	3079
55	5507	55	2146
47.5	3246	47.5	1636
42.5	2674	42.5	1443
37.5	2076	37.5	1144
33	1798	33	1034
29	1598	29	967
25.5	1446	25.5	1049
22.5	1355	22.5	1179
19.5	1343	19.5	1298
17	1263	17	1266
15	1144	15	1196
13	1003	13	971
11	957	11	904
9	911	9	897
7	865	7	915
5	915	5	985
3	1056	3	1126
1	1109	1	1137
0	1121	0	1121
-1	1109	-1	1060
-3	1056	-3	943
-5	915	-5	845
-7	865	-7	816
-9	911	-9	883
-11	957	-11	932
-13	1003	-13	953
-15	1144	-15	1038
-17	1263	-17	1193
-19.5	1343	-19.5	1218
-22.5	1355	-22.5	1091
-25.5	1446	-25.5	1077
-29	1598	-29	1140
-33	1798	-33	1161
-37.5	2076	-37.5	1390
-42.5	2674	-42.5	1724
-47.5	3246	-47.5	1935
-55	5507	-55	2973
-65	8357	-65	4856
-75	7275	-75	4662
-85	1997	-85	1443
-90	688	-90	600

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**CANDELA TABULATION**

Maximum Candela = 12726  
 Beam Edge = 6363 Cd (50% of Max.)  
 Field Edge = 1272.6 Cd (10% of Max.)  
 \* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	686	765	784	740	687	675	655	624	594	566
85.0	686	889	1229	1371 *	1389 *	1343 *	1299 *	1249	1195	1142
75.0	687	1129	2218 *	3122 *	3679 *	3704 *	3518 *	3317 *	3087 *	3010 *
65.0	687	1349 *	3418 *	5604 *	7236 *	7081 *	6175 *	5443 *	4614 *	4178 *
55.0	687	1570 *	4757 *	8714 *	10300 *	8819 *	6962 *	5266 *	4251 *	3510 *
47.5	688	1729 *	5708 *	10757 *	11299 *	8858 *	6900 *	4904 *	3646 *	2825 *
42.5	688	1818 *	6310 *	11800 *	11666 *	8879 *	6797 *	4623 *	3115 *	2470 *
37.5	688	1893 *	6808 *	12659 *	11555 *	8872 *	6515 *	4417 *	3143 *	2495 *
33.0	688	1948 *	7165 *	12726 *	11372 *	8783 *	6283 *	4464 *	3374 *	2661 *
29.0	688	1987 *	7411 *	12366 *	11214 *	8460 *	6252 *	4670 *	3558 *	2757 *
25.5	688	2013 *	7570 *	12011 *	11094 *	7923 *	6430 *	4876 *	3619 *	2773 *
22.5	688	2030 *	7664 *	11599 *	10618 *	7572 *	6188 *	5014 *	3615 *	2749 *
19.5	688	2041 *	7720 *	11135 *	9857 *	7236 *	5945 *	4880 *	3525 *	2623 *
17.0	688	2047 *	7735 *	10745 *	9184 *	6732 *	5745 *	4605 *	3385 *	2433 *
15.0	688	2049 *	7730 *	10434 *	8667 *	6228 *	5579 *	4406 *	3154 *	2275 *
13.0	688	2049 *	7711 *	10124 *	8169 *	5746 *	5057 *	4211 *	2934 *	2154 *
11.0	688	2074 *	7679 *	9815 *	7690 *	5285 *	4610 *	3665 *	2753 *	2038 *
9.0	688	2061 *	7633 *	9539 *	7231 *	4843 *	4179 *	3264 *	2448 *	1924 *
7.0	688	2046 *	7575 *	9269 *	6794 *	4420 *	3765 *	2912 *	2246 *	1827 *
5.0	688	2032 *	7539 *	9003 *	6397 *	4030 *	3365 *	2601 *	2078 *	1776 *
3.0	688	2018 *	7433 *	8733 *	6002 *	3690 *	3054 *	2352 *	1939 *	1732 *
1.0	688	2004 *	7328 *	8483 *	5672 *	3394 *	2801 *	2163 *	1841 *	1643 *
0.0	688	1997 *	7275 *	8357 *	5507 *	3246 *	2674 *	2076 *	1798 *	1598 *
-1.0	688	1997 *	7220 *	8213 *	5348 *	3132 *	2578 *	2005 *	1749 *	1583 *
-3.0	688	1982 *	7111 *	7927 *	5031 *	2903 *	2386 *	1871 *	1657 *	1550 *
-5.0	688	1972 *	7002 *	7662 *	4763 *	2706 *	2227 *	1769 *	1586 *	1471 *
-7.0	688	1963 *	6831 *	7398 *	4489 *	2581 *	2126 *	1693 *	1518 *	1388 *
-9.0	688	1953 *	6684 *	7143 *	4358 *	2487 *	2027 *	1619 *	1449 *	1314 *
-11.0	688	1943 *	6529 *	6924 *	4249 *	2399 *	1929 *	1546 *	1402 *	1276 *
-13.0	688	1898 *	6367 *	6781 *	4149 *	2316 *	1832 *	1523 *	1382 *	1229
-15.0	688	1876 *	6199 *	6662 *	4056 *	2238 *	1781 *	1546 *	1359 *	1172
-17.0	688	1854 *	6025 *	6550 *	3968 *	2163 *	1803 *	1585 *	1345 *	1201
-19.5	688	1824 *	5807 *	6421 *	3863 *	2257 *	1836 *	1645 *	1377 *	1272
-22.5	688	1786 *	5566 *	6277 *	3730 *	2398 *	1874 *	1729 *	1488 *	1337 *
-25.5	688	1745 *	5315 *	6110 *	3831 *	2547 *	1963 *	1795 *	1619 *	1402 *
-29.0	688	1694 *	5011 *	5900 *	3961 *	2765 *	2130 *	1872 *	1781 *	1563 *
-33.0	688	1632 *	4650 *	5684 *	4104 *	3057 *	2419 *	2003 *	1879 *	1790 *
-37.5	688	1558 *	4226 *	5507 *	4280 *	3422 *	2814 *	2324 *	2033 *	1932 *
-42.5	688	1472 *	3743 *	5260 *	4530 *	3845 *	3361 *	2861 *	2482 *	2233 *
-47.5	688	1382 *	3254 *	4902 *	4838 *	4239 *	3920 *	3562 *	3179 *	2876 *
-55.0	687	1241	2611 *	4112 *	4936 *	4959 *	4718 *	4467 *	4310 *	4173 *
-65.0	687	1061	1821 *	2761 *	4000 *	4737 *	5069 *	5259 *	5341 *	5425 *
-75.0	687	891	1184	1628 *	2232 *	2752 *	3090 *	3399 *	3680 *	3964 *
-85.0	686	719	737	790	905	1009	1074	1137	1198	1259
-90.0	686	633	554	538	502	496	496	500	508	519

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**CANDELA TABULATION - (Cont.)**

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	541	525	509	495	485	478	471	464	457	450
85.0	1088	1071	1060	1049	1039	1026	1022	1001	980	959
75.0	2908 *	2871 *	2872 *	2864 *	2852 *	2852 *	2855 *	2853 *	2849 *	2852 *
65.0	3856 *	3584 *	3445 *	3332 *	3244 *	3175 *	3144 *	3116 *	3089 *	3065 *
55.0	3185 *	2937 *	2733 *	2588 *	2478 *	2373 *	2301 *	2249 *	2203 *	2164 *
47.5	2355 *	2153 *	1965 *	1845 *	1777 *	1714 *	1660 *	1642 *	1630 *	1624 *
42.5	2033 *	1870 *	1723 *	1603 *	1553 *	1508 *	1464 *	1442 *	1435 *	1430 *
37.5	2114 *	1850 *	1676 *	1509 *	1395 *	1317 *	1241	1174	1155	1138
33.0	2225 *	1906 *	1636 *	1477 *	1354 *	1267	1186	1102	1059	1036
29.0	2264 *	2000 *	1746 *	1523 *	1372 *	1267	1191	1101	1031	1040
25.5	2340 *	2020 *	1725 *	1584 *	1488 *	1408 *	1345 *	1275 *	1208	1173
22.5	2236 *	1918 *	1692 *	1597 *	1536 *	1456 *	1407 *	1358 *	1312 *	1280 *
19.5	2082 *	1811 *	1644 *	1530 *	1472 *	1434 *	1401 *	1383 *	1361 *	1352 *
17.0	1962 *	1740 *	1564 *	1472 *	1423 *	1400 *	1375 *	1350 *	1323 *	1300 *
15.0	1882 *	1671 *	1515 *	1438 *	1412 *	1383 *	1339 *	1304 *	1243	1194
13.0	1819 *	1609 *	1481 *	1432 *	1399 *	1346 *	1284 *	1207	1131	1047
11.0	1754 *	1554 *	1449 *	1418 *	1359 *	1287 *	1200	1088	976	912
9.0	1706 *	1518 *	1433 *	1382 *	1312 *	1210	1090	951	923	907
7.0	1634 *	1484 *	1410 *	1347 *	1253	1138	986	927	905	895
5.0	1580 *	1445 *	1397 *	1333 *	1217	1071	941	927	885	895
3.0	1538 *	1420 *	1372 *	1282 *	1162	1021	951	926	869	931
1.0	1478 *	1381 *	1351 *	1265	1144	1000	954	913	867	938
0.0	1446 *	1355 *	1343 *	1263	1144	1003	957	911	865	915
-1.0	1431 *	1342 *	1338 *	1259	1137	1004	963	919	862	906
-3.0	1396 *	1312 *	1331 *	1270	1157	1030	968	939	858	882
-5.0	1346 *	1270	1320 *	1284 *	1184	1070	981	970	904	874
-7.0	1301 *	1219	1266	1268	1211	1117	1010	975	971	914
-9.0	1262	1156	1191	1245	1250	1165	1078	996	975	959
-11.0	1224	1087	1101	1207	1230	1220	1149	1066	998	965
-13.0	1180	1065	1023	1100	1193	1219	1207	1132	1073	1029
-15.0	1153	1058	959	984	1082	1184	1212	1223	1173	1126
-17.0	1127	1052	957	936	979	1097	1191	1223	1230	1230
-19.5	1112	1053	1016	970	997	1043	1080	1156	1184	1199
-22.5	1197	1082	1052	1102	1118	1098	1090	1093	1081	1076
-25.5	1318 *	1194	1123	1161	1173	1179	1186	1152	1120	1121
-29.0	1412 *	1359 *	1292 *	1218	1181	1199	1183	1153	1135	1168
-33.0	1663 *	1567 *	1484 *	1449 *	1432 *	1404 *	1358 *	1314 *	1264	1215
-37.5	1888 *	1864 *	1808 *	1756 *	1710 *	1653 *	1603 *	1556 *	1498 *	1448 *
-42.5	2114 *	2036 *	2013 *	2000 *	1972 *	1946 *	1923 *	1889 *	1851 *	1816 *
-47.5	2629 *	2482 *	2356 *	2274 *	2230 *	2190 *	2153 *	2103 *	2056 *	2015 *
-55.0	3988 *	3827 *	3658 *	3515 *	3414 *	3324 *	3234 *	3151 *	3082 *	3026 *
-65.0	5498 *	5514 *	5421 *	5346 *	5290 *	5220 *	5115 *	5017 *	4924 *	4836 *
-75.0	4199 *	4343 *	4440 *	4510 *	4559 *	4563 *	4548 *	4526 *	4497 *	4483 *
-85.0	1308 *	1337 *	1360 *	1378 *	1391 *	1389 *	1404 *	1393 *	1383 *	1372 *
-90.0	528	534	539	543	546	546	546	546	546	546

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	432	415	406	415	432	450	457	464	471	478
85.0	934	909	897	909	934	959	980	1001	1022	1026
75.0	2810 *	2767 *	2745 *	2767 *	2810 *	2852 *	2849 *	2853 *	2855 *	2852 *
65.0	3062 *	3073 *	3079 *	3073 *	3062 *	3065 *	3089 *	3116 *	3144 *	3175 *

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**CANDELA TABULATION - (Cont.)**

<b>55.0</b>	2140 *	2144 *	2146 *	2144 *	2140 *	2164 *	2203 *	2249 *	2301 *	2373 *
<b>47.5</b>	1622 *	1631 *	1636 *	1631 *	1622 *	1624 *	1630 *	1642 *	1660 *	1714 *
<b>42.5</b>	1427 *	1438 *	1443 *	1438 *	1427 *	1430 *	1435 *	1442 *	1464 *	1508 *
<b>37.5</b>	1124	1135	1144	1135	1124	1138	1155	1174	1241	1317 *
<b>33.0</b>	1013	1024	1034	1024	1013	1036	1059	1102	1186	1267
<b>29.0</b>	1037	995	967	995	1037	1040	1031	1101	1191	1267
<b>25.5</b>	1138	1083	1049	1083	1138	1173	1208	1275 *	1345 *	1408 *
<b>22.5</b>	1253	1211	1179	1211	1253	1280 *	1312 *	1358 *	1407 *	1456 *
<b>19.5</b>	1332 *	1310 *	1298 *	1310 *	1332 *	1352 *	1361 *	1383 *	1401 *	1434 *
<b>17.0</b>	1272	1258	1266	1258	1272	1300 *	1323 *	1350 *	1375 *	1400 *
<b>15.0</b>	1166	1169	1196	1169	1166	1194	1243	1304 *	1339 *	1383 *
<b>13.0</b>	993	969	971	969	993	1047	1131	1207	1284 *	1346 *
<b>11.0</b>	904	900	904	900	904	912	976	1088	1200	1287 *
<b>9.0</b>	891	889	897	889	891	907	923	951	1090	1210
<b>7.0</b>	889	908	915	908	889	895	905	927	986	1138
<b>5.0</b>	966	1000	985	1000	966	895	885	927	941	1071
<b>3.0</b>	1057	1139	1126	1139	1057	931	869	926	951	1021
<b>1.0</b>	1056	1144	1137	1144	1056	938	867	913	954	1000
<b>0.0</b>	1056	1109	1121	1109	1056	915	865	911	957	1003
<b>-1.0</b>	1015	1044	1060	1044	1015	906	862	919	963	1004
<b>-3.0</b>	918	913	943	913	918	882	858	939	968	1030
<b>-5.0</b>	866	833	845	833	866	874	904	970	981	1070
<b>-7.0</b>	847	813	816	813	847	914	971	975	1010	1117
<b>-9.0</b>	917	884	883	884	917	959	975	996	1078	1165
<b>-11.0</b>	948	936	932	936	948	965	998	1066	1149	1220
<b>-13.0</b>	994	966	953	966	994	1029	1073	1132	1207	1219
<b>-15.0</b>	1088	1058	1038	1058	1088	1126	1173	1223	1212	1184
<b>-17.0</b>	1212	1194	1193	1194	1212	1230	1230	1223	1191	1097
<b>-19.5</b>	1203	1208	1218	1208	1203	1199	1184	1156	1080	1043
<b>-22.5</b>	1081	1086	1091	1086	1081	1076	1081	1093	1090	1098
<b>-25.5</b>	1133	1105	1077	1105	1133	1121	1120	1152	1186	1179
<b>-29.0</b>	1200	1168	1140	1168	1200	1168	1135	1153	1183	1199
<b>-33.0</b>	1173	1162	1161	1162	1173	1215	1264	1314 *	1358 *	1404 *
<b>-37.5</b>	1406 *	1393 *	1390 *	1393 *	1406 *	1448 *	1498 *	1556 *	1603 *	1653 *
<b>-42.5</b>	1779 *	1742 *	1724 *	1742 *	1779 *	1816 *	1851 *	1889 *	1923 *	1946 *
<b>-47.5</b>	1971 *	1947 *	1935 *	1947 *	1971 *	2015 *	2056 *	2103 *	2153 *	2190 *
<b>-55.0</b>	2980 *	2975 *	2973 *	2975 *	2980 *	3026 *	3082 *	3151 *	3234 *	3324 *
<b>-65.0</b>	4821 *	4844 *	4856 *	4844 *	4821 *	4836 *	4924 *	5017 *	5115 *	5220 *
<b>-75.0</b>	4548 *	4624 *	4662 *	4624 *	4548 *	4483 *	4497 *	4526 *	4548 *	4563 *
<b>-85.0</b>	1400 *	1429 *	1443 *	1429 *	1400 *	1372 *	1383 *	1393 *	1404 *	1389 *
<b>-90.0</b>	568	589	600	589	568	546	546	546	546	546

**Vert. Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
<b>90.0</b>	485	495	509	525	541	566	594	624	655	675
<b>85.0</b>	1039	1049	1060	1071	1088	1142	1195	1249	1299 *	1343 *
<b>75.0</b>	2852 *	2864 *	2872 *	2871 *	2908 *	3010 *	3087 *	3317 *	3518 *	3704 *
<b>65.0</b>	3244 *	3332 *	3445 *	3584 *	3856 *	4178 *	4614 *	5443 *	6175 *	7081 *
<b>55.0</b>	2478 *	2588 *	2733 *	2937 *	3185 *	3510 *	4251 *	5266 *	6962 *	8819 *
<b>47.5</b>	1777 *	1845 *	1965 *	2153 *	2355 *	2825 *	3646 *	4904 *	6900 *	8858 *
<b>42.5</b>	1553 *	1603 *	1723 *	1870 *	2033 *	2470 *	3115 *	4623 *	6797 *	8879 *
<b>37.5</b>	1395 *	1509 *	1676 *	1850 *	2114 *	2495 *	3143 *	4417 *	6515 *	8872 *
<b>33.0</b>	1354 *	1477 *	1636 *	1906 *	2225 *	2661 *	3374 *	4464 *	6283 *	8783 *
<b>29.0</b>	1372 *	1523 *	1746 *	2000 *	2264 *	2757 *	3558 *	4670 *	6252 *	8460 *
<b>25.5</b>	1488 *	1584 *	1725 *	2020 *	2340 *	2773 *	3619 *	4876 *	6430 *	7923 *

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**CANDELA TABULATION - (Cont.)**

22.5	1536 *	1597 *	1692 *	1918 *	2236 *	2749 *	3615 *	5014 *	6188 *	7572 *
19.5	1472 *	1530 *	1644 *	1811 *	2082 *	2623 *	3525 *	4880 *	5945 *	7236 *
17.0	1423 *	1472 *	1564 *	1740 *	1962 *	2433 *	3385 *	4605 *	5745 *	6732 *
15.0	1412 *	1438 *	1515 *	1671 *	1882 *	2275 *	3154 *	4406 *	5579 *	6228 *
13.0	1399 *	1432 *	1481 *	1609 *	1819 *	2154 *	2934 *	4211 *	5057 *	5746 *
11.0	1359 *	1418 *	1449 *	1554 *	1754 *	2038 *	2753 *	3665 *	4610 *	5285 *
9.0	1312 *	1382 *	1433 *	1518 *	1706 *	1924 *	2448 *	3264 *	4179 *	4843 *
7.0	1253	1347 *	1410 *	1484 *	1634 *	1827 *	2246 *	2912 *	3765 *	4420 *
5.0	1217	1333 *	1397 *	1445 *	1580 *	1776 *	2078 *	2601 *	3365 *	4030 *
3.0	1162	1282 *	1372 *	1420 *	1538 *	1732 *	1939 *	2352 *	3054 *	3690 *
1.0	1144	1265	1351 *	1381 *	1478 *	1643 *	1841 *	2163 *	2801 *	3394 *
0.0	1144	1263	1343 *	1355 *	1446 *	1598 *	1798 *	2076 *	2674 *	3246 *
-1.0	1137	1259	1338 *	1342 *	1431 *	1583 *	1749 *	2005 *	2578 *	3132 *
-3.0	1157	1270	1331 *	1312 *	1396 *	1550 *	1657 *	1871 *	2386 *	2903 *
-5.0	1184	1284 *	1320 *	1270	1346 *	1471 *	1586 *	1769 *	2227 *	2706 *
-7.0	1211	1268	1266	1219	1301 *	1388 *	1518 *	1693 *	2126 *	2581 *
-9.0	1250	1245	1191	1156	1262	1314 *	1449 *	1619 *	2027 *	2487 *
-11.0	1230	1207	1101	1087	1224	1276 *	1402 *	1546 *	1929 *	2399 *
-13.0	1193	1100	1023	1065	1180	1229	1382 *	1523 *	1832 *	2316 *
-15.0	1082	984	959	1058	1153	1172	1359 *	1546 *	1781 *	2238 *
-17.0	979	936	957	1052	1127	1201	1345 *	1585 *	1803 *	2163 *
-19.5	997	970	1016	1053	1112	1272	1377 *	1645 *	1836 *	2257 *
-22.5	1118	1102	1052	1082	1197	1337 *	1488 *	1729 *	1874 *	2398 *
-25.5	1173	1161	1123	1194	1318 *	1402 *	1619 *	1795 *	1963 *	2547 *
-29.0	1181	1218	1292 *	1359 *	1412 *	1563 *	1781 *	1872 *	2130 *	2765 *
-33.0	1432 *	1449 *	1484 *	1567 *	1663 *	1790 *	1879 *	2003 *	2419 *	3057 *
-37.5	1710 *	1756 *	1808 *	1864 *	1888 *	1932 *	2033 *	2324 *	2814 *	3422 *
-42.5	1972 *	2000 *	2013 *	2036 *	2114 *	2233 *	2482 *	2861 *	3361 *	3845 *
-47.5	2230 *	2274 *	2356 *	2482 *	2629 *	2876 *	3179 *	3562 *	3920 *	4239 *
-55.0	3414 *	3515 *	3658 *	3827 *	3988 *	4173 *	4310 *	4467 *	4718 *	4959 *
-65.0	5290 *	5346 *	5421 *	5514 *	5498 *	5425 *	5341 *	5259 *	5069 *	4737 *
-75.0	4559 *	4510 *	4440 *	4343 *	4199 *	3964 *	3680 *	3399 *	3090 *	2752 *
-85.0	1391 *	1378 *	1360 *	1337 *	1308 *	1259	1198	1137	1074	1009
-90.0	546	543	539	534	528	519	508	500	496	496

**Vert. Angles**      **Horizontal Angles**

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	687	740	784	765	686
85.0	1389 *	1371 *	1229	889	686
75.0	3679 *	3122 *	2218 *	1129	687
65.0	7236 *	5604 *	3418 *	1349 *	687
55.0	10300 *	8714 *	4757 *	1570 *	687
47.5	11299 *	10757 *	5708 *	1729 *	688
42.5	11666 *	11800 *	6310 *	1818 *	688
37.5	11555 *	12659 *	6808 *	1893 *	688
33.0	11372 *	12726 *	7165 *	1948 *	688
29.0	11214 *	12366 *	7411 *	1987 *	688
25.5	11094 *	12011 *	7570 *	2013 *	688
22.5	10618 *	11599 *	7664 *	2030 *	688
19.5	9857 *	11135 *	7720 *	2041 *	688
17.0	9184 *	10745 *	7735 *	2047 *	688
15.0	8667 *	10434 *	7730 *	2049 *	688
13.0	8169 *	10124 *	7711 *	2049 *	688
11.0	7690 *	9815 *	7679 *	2074 *	688
9.0	7231 *	9539 *	7633 *	2061 *	688

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	6794 *	9269 *	7575 *	2046 *	688
<b>5.0</b>	6397 *	9003 *	7539 *	2032 *	688
<b>3.0</b>	6002 *	8733 *	7433 *	2018 *	688
<b>1.0</b>	5672 *	8483 *	7328 *	2004 *	688
<b>0.0</b>	5507 *	8357 *	7275 *	1997 *	688
<b>-1.0</b>	5348 *	8213 *	7220 *	1997 *	688
<b>-3.0</b>	5031 *	7927 *	7111 *	1982 *	688
<b>-5.0</b>	4763 *	7662 *	7002 *	1972 *	688
<b>-7.0</b>	4489 *	7398 *	6831 *	1963 *	688
<b>-9.0</b>	4358 *	7143 *	6684 *	1953 *	688
<b>-11.0</b>	4249 *	6924 *	6529 *	1943 *	688
<b>-13.0</b>	4149 *	6781 *	6367 *	1898 *	688
<b>-15.0</b>	4056 *	6662 *	6199 *	1876 *	688
<b>-17.0</b>	3968 *	6550 *	6025 *	1854 *	688
<b>-19.5</b>	3863 *	6421 *	5807 *	1824 *	688
<b>-22.5</b>	3730 *	6277 *	5566 *	1786 *	688
<b>-25.5</b>	3831 *	6110 *	5315 *	1745 *	688
<b>-29.0</b>	3961 *	5900 *	5011 *	1694 *	688
<b>-33.0</b>	4104 *	5684 *	4650 *	1632 *	688
<b>-37.5</b>	4280 *	5507 *	4226 *	1558 *	688
<b>-42.5</b>	4530 *	5260 *	3743 *	1472 *	688
<b>-47.5</b>	4838 *	4902 *	3254 *	1382 *	688
<b>-55.0</b>	4936 *	4112 *	2611 *	1241	687
<b>-65.0</b>	4000 *	2761 *	1821 *	1061	687
<b>-75.0</b>	2232 *	1628 *	1184	891	687
<b>-85.0</b>	905	790	737	719	686
<b>-90.0</b>	502	538	554	633	686

**IES FLOOD REPORT**  
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**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Lumens (one side of beam only) = 10336.55  
 Total Field Lumens (one side of beam only) = 9775.57  
 \* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	1.00	2.05	2.11	2.16	2.19	2.22	2.23	2.24	2.25	2.81
75	5.57 *	11.29 *	11.48 *	11.57 *	11.59 *	11.60 *	11.55 *	11.48 *	11.43 *	14.18 *
65	8.88 *	17.83 *	17.91 *	17.96 *	17.96 *	17.95 *	17.92 *	17.92 *	18.00 *	22.62 *
55	7.95 *	15.86 *	15.85 *	15.94 *	16.07 *	16.21 *	16.38 *	16.65 *	17.04 *	21.87 *
47.5	4.32 *	8.60 *	8.60 *	8.66 *	8.74 *	8.83 *	8.99 *	9.25 *	9.54 *	12.38 *
42.5	2.34 *	4.66 *	4.64 *	4.63 *	4.64 *	4.66 *	4.73 *	4.84 *	4.96 *	6.45 *
37.5	1.96 *	3.90 *	3.89 *	3.91 *	3.93 *	3.99 *	4.12 *	4.27 *	4.44 *	5.89 *
33	1.49	2.94	2.95	2.99	3.05	3.17	3.36	3.55 *	3.78 *	5.12 *
29	1.22	2.48	2.51	2.52	2.59	2.75	2.93	3.11 *	3.35 *	4.62 *
25.5	1.09	2.27	2.33	2.36	2.44	2.58	2.72 *	2.86 *	3.06 *	4.16 *
22.5	1.03	2.14	2.21	2.26	2.33 *	2.42 *	2.51 *	2.61 *	2.73 *	3.58 *
19.5	1.14	2.33 *	2.38 *	2.41 *	2.45 *	2.50 *	2.55 *	2.61 *	2.69 *	3.51 *
17	0.98 *	1.97 *	2.00 *	2.02 *	2.04 *	2.07 *	2.09 *	2.12 *	2.16 *	2.81 *
15	0.74	1.48	1.50	1.53	1.57 *	1.61 *	1.64 *	1.66 *	1.68 *	2.17 *
13	0.66	1.31	1.34	1.40	1.47	1.54 *	1.59 *	1.64 *	1.66 *	2.12 *
11	0.57	1.15	1.17	1.23	1.33	1.43	1.52 *	1.59 *	1.64 *	2.09 *
9	0.55	1.09	1.10	1.13	1.19	1.30	1.43	1.53 *	1.60 *	2.05 *
7	0.55	1.09	1.09	1.10	1.12	1.19	1.32	1.45	1.55 *	2.01 *
5	0.58	1.15	1.11	1.08	1.10	1.13	1.23	1.38	1.51 *	1.98 *
3	0.65	1.27	1.17	1.08	1.09	1.12	1.19	1.32	1.46	1.95 *
1	0.69	1.34	1.21	1.09	1.08	1.12	1.17	1.28	1.42	1.91 *
0	0.34	0.66	0.60	0.54	0.54	0.56	0.58	0.63	0.71	0.94 *
-1	0.33	0.64	0.59	0.54	0.54	0.56	0.59	0.63	0.70	0.94 *
-3	0.60	1.18	1.13	1.06	1.08	1.14	1.18	1.28	1.41	1.88 *
	0.54	1.07	1.08	1.07	1.11	1.16	1.21	1.31	1.43	1.88 *



**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>-5</b>	0.50	1.02	1.06	1.11	1.15	1.18	1.24	1.35	1.45	1.86 *
<b>-7</b>	0.52	1.05	1.11	1.16	1.18	1.22	1.30	1.40	1.46	1.80
<b>-9</b>	0.55	1.12	1.15	1.18	1.22	1.29	1.37	1.44	1.44	1.72
<b>-11</b>	0.58	1.17	1.20	1.23	1.29	1.37	1.43	1.44	1.38	1.60
<b>-13</b>	0.61	1.25	1.29	1.33	1.39	1.43	1.44	1.38	1.28	1.47
<b>-15</b>	0.68	1.39	1.41	1.44	1.46	1.45	1.40	1.28	1.17	1.39
<b>-17</b>	0.92	1.83	1.84	1.83	1.81	1.74	1.64	1.52	1.42	1.75
<b>-19.5</b>	1.05	2.09	2.08	2.06	2.04	1.99	1.93	1.89	1.84	2.25
<b>-22.5</b>	1.00	2.01	2.01	2.00	2.01	2.03	2.03	2.03	2.00	2.41
<b>-25.5</b>	1.20	2.45	2.46	2.41	2.41	2.45	2.48	2.45	2.43	3.03
<b>-29</b>	1.41	2.86	2.89	2.90	2.94	3.00	3.07 *	3.08 *	3.09 *	3.94 *
<b>-33</b>	1.75 *	3.52 *	3.58 *	3.70 *	3.82 *	3.94 *	4.03 *	4.12 *	4.18 *	5.29 *
<b>-37.5</b>	2.38 *	4.81 *	4.90 *	5.01 *	5.12 *	5.23 *	5.31 *	5.38 *	5.44 *	6.85 *
<b>-42.5</b>	2.80 *	5.66 *	5.76 *	5.86 *	5.96 *	6.05 *	6.12 *	6.16 *	6.20 *	7.81 *
<b>-47.5</b>	5.61 *	11.27 *	11.39 *	11.56 *	11.75 *	11.97 *	12.18 *	12.37 *	12.55 *	16.00 *
<b>-55</b>	11.92 *	23.77 *	23.80 *	24.03 *	24.39 *	24.77 *	25.17 *	25.49 *	25.72 *	32.43 *
<b>-65</b>	14.46 *	28.67 *	28.39 *	28.38 *	28.60 *	28.81 *	28.97 *	29.01 *	28.85 *	35.65 *
<b>-75</b>	9.26 *	18.27 *	17.93 *	17.77 *	17.80 *	17.80 *	17.73 *	17.59 *	17.33 *	21.13 *
<b>-85</b>	1.55	3.03	2.95	2.91	2.92	2.92	2.89	2.86	2.82	3.45
<b>-90</b>										
<b>Total</b>	104.52	209.00	209.12	210.13	212.47	215.46	218.44	221.45	224.25	283.76

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	3.37	3.37	3.95	4.56	5.12	5.58	5.35	7.31	7.96	5.36
<b>85</b>	16.79 *	16.57 *	19.30 *	22.02 *	24.76 *	27.36 *	26.55 *	36.14 *	36.36 *	20.65 *
<b>75</b>	27.24 *	27.59 *	33.06 *	38.87 *	46.06 *	53.81 *	55.12 *	77.52 *	74.69 *	37.36 *
<b>65</b>	27.08 *	28.30 *	34.90 *	43.21 *	54.77 *	69.53 *	78.16 *	119.45 *	121.14 *	58.51 *
<b>55</b>	15.66 *	16.64 *	21.10 *	27.87 *	37.91 *	52.56 *	63.67 *	105.23 *	117.14 *	58.41 *
<b>47.5</b>	8.22 *	8.78 *	11.47 *	15.74 *	22.79 *	33.86 *	42.30 *	72.70 *	86.56 *	44.97 *

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>42.5</b>	7.59 *	8.21 *	10.79 *	14.65 *	21.40 *	32.59 *	41.80 *	73.19 *	90.66 *	48.88 *
<b>37.5</b>	6.78 *	7.60 *	10.12 *	13.71 *	19.39 *	28.45 *	36.89 *	65.24 *	82.68 *	46.07 *
<b>33</b>	6.22 *	7.01 *	9.39 *	12.90 *	17.98 *	25.27 *	32.06 *	56.91 *	72.53 *	41.28 *
<b>29</b>	5.59 *	6.30 *	8.40 *	11.61 *	16.38 *	22.69 *	27.38 *	48.38 *	62.14 *	35.83 *
<b>25.5</b>	4.71 *	5.33 *	7.18 *	9.99 *	14.37 *	19.69 *	22.70 *	39.88 *	51.71 *	30.31 *
<b>22.5</b>	4.52 *	5.04 *	6.89 *	9.80 *	14.30 *	19.27 *	21.75 *	37.81 *	49.30 *	29.75 *
<b>19.5</b>	3.60 *	3.96 *	5.39 *	7.81 *	11.47 *	15.44 *	17.27 *	29.48 *	38.90 *	24.28 *
<b>17</b>	2.77 *	3.03 *	4.05 *	5.87 *	8.70 *	11.86 *	13.07 *	22.01 *	29.69 *	19.06 *
<b>15</b>	2.68 *	2.91 *	3.85 *	5.49 *	8.23 *	11.23 *	12.17 *	20.58 *	28.44 *	18.73 *
<b>13</b>	2.60 *	2.81 *	3.68 *	5.16 *	7.59 *	10.23 *	11.14 *	19.21 *	27.23 *	18.38 *
<b>11</b>	2.54 *	2.73 *	3.52 *	4.78 *	6.79 *	9.17 *	10.18 *	17.90 *	26.07 *	18.04 *
<b>9</b>	2.49 *	2.65 *	3.36 *	4.41 *	6.08 *	8.23 *	9.26 *	16.64 *	24.97 *	17.70 *
<b>7</b>	2.45 *	2.56 *	3.23 *	4.14 *	5.50 *	7.37 *	8.39 *	15.46 *	23.93 *	17.37 *
<b>5</b>	2.40 *	2.50 *	3.14 *	3.93 *	5.02 *	6.63 *	7.61 *	14.37 *	22.92 *	17.02 *
<b>3</b>	2.36 *	2.43 *	3.03 *	3.74 *	4.64 *	6.05 *	6.97 *	13.40 *	21.97 *	16.64 *
<b>1</b>	1.16 *	1.18 *	1.46 *	1.80 *	2.20 *	2.83 *	3.26 *	6.37 *	10.66 *	8.18 *
<b>0</b>	1.15 *	1.16 *	1.44 *	1.76 *	2.13 *	2.72 *	3.13 *	6.16 *	10.43 *	8.08 *
<b>-1</b>	2.27 *	2.29 *	2.82 *	3.41 *	4.07 *	5.16 *	5.92 *	11.73 *	20.17 *	15.85 *
<b>-3</b>	2.23 *	2.22 *	2.73 *	3.27 *	3.85 *	4.81 *	5.50 *	11.01 *	19.31 *	15.45 *
<b>-5</b>	2.16	2.14 *	2.61 *	3.11 *	3.67 *	4.56 *	5.19 *	10.39 *	18.49 *	15.03 *
<b>-7</b>	2.06	2.06	2.49 *	2.96 *	3.51 *	4.35 *	4.96 *	9.94 *	17.79 *	14.60 *
<b>-9</b>	1.93	1.97	2.41	2.84 *	3.37 *	4.15 *	4.76 *	9.64 *	17.25 *	14.19 *
<b>-11</b>	1.82	1.90	2.33	2.76 *	3.28 *	3.98 *	4.56 *	9.37 *	16.81 *	13.84 *
<b>-13</b>	1.75	1.86	2.24	2.68 *	3.25 *	3.90 *	4.40 *	9.12 *	16.46 *	13.53 *
<b>-15</b>	1.72	1.83	2.20	2.65	3.27 *	3.92 *	4.30 *	8.88 *	16.15 *	13.23 *
<b>-17</b>	2.17	2.27	2.79	3.39 *	4.16 *	5.01 *	5.42 *	10.94 *	19.78 *	16.13 *
<b>-19.5</b>	2.69	2.78	3.50	4.29 *	5.24 *	6.20 *	6.75 *	13.13 *	23.15 *	18.78 *
<b>-22.5</b>	2.85	3.00	3.73 *	4.58 *	5.57 *	6.44 *	7.09 *	13.40 *	22.76 *	18.16 *

**IES FLOOD REPORT**  
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**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	3.71	3.86 *	4.72 *	5.82 *	6.92 *	7.92 *	8.86 *	16.38 *	26.36 *	20.34 *
<b>-29</b>	4.86 *	5.01 *	6.09 *	7.32 *	8.43 *	9.83 *	11.17 *	19.84 *	29.89 *	22.11 *
<b>-33</b>	6.45 *	6.56 *	7.75 *	8.97 *	10.37 *	12.54 *	14.19 *	23.89 *	33.50 *	23.49 *
<b>-37.5</b>	8.23 *	8.25 *	9.67 *	11.33 *	13.57 *	16.56 *	18.09 *	28.72 *	37.22 *	24.37 *
<b>-42.5</b>	9.48 *	9.66 *	11.67 *	14.06 *	16.90 *	19.98 *	20.68 *	31.17 *	37.14 *	22.32 *
<b>-47.5</b>	19.71 *	20.23 *	24.28 *	28.46 *	32.56 *	36.45 *	36.01 *	50.83 *	53.59 *	29.03 *
<b>-55</b>	39.28 *	39.29 *	45.21 *	50.25 *	54.21 *	56.90 *	52.44 *	66.56 *	60.12 *	29.41 *
<b>-65</b>	42.05 *	40.81 *	45.22 *	48.06 *	49.46 *	49.04 *	42.12 *	49.02 *	40.39 *	19.23 *
<b>-75</b>	24.48 *	23.35 *	25.42 *	26.37 *	26.34 *	25.37 *	21.33 *	24.64 *	21.13 *	11.29
<b>-85</b>	4.02	3.87	4.28	4.55	4.68	4.68	4.14	5.20	5.20	3.41
<b>-90</b>										
<b>Total</b>	345.91	353.85	426.89	514.94	630.27	774.15	844.06	1355.16	1670.69	1014.64

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>	2.42	0.25		75.86
<b>85</b>	7.22 *	0.56		366.02
<b>75</b>	10.72 *	0.64		657.60
<b>65</b>	14.65 *	0.71		810.24
<b>55</b>	13.63 *	0.58		618.30
<b>47.5</b>	10.28 *	0.41		404.61
<b>42.5</b>	11.11 *	0.42		401.58
<b>37.5</b>	10.59 *	0.39 *		360.30
<b>33</b>	9.78 *	0.35 *		319.75
<b>29</b>	8.77 *	0.31 *		279.65
<b>25.5</b>	7.64 *	0.27 *		237.59
<b>22.5</b>	7.71 *	0.27 *		230.97
<b>19.5</b>	6.45 *	0.23 *		184.52
<b>17</b>	5.17 *	0.18 *		141.05
<b>15</b>	5.16 *	0.18 *		134.39

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50865.IES**

**LUMENS TABULATION - (Cont.)**

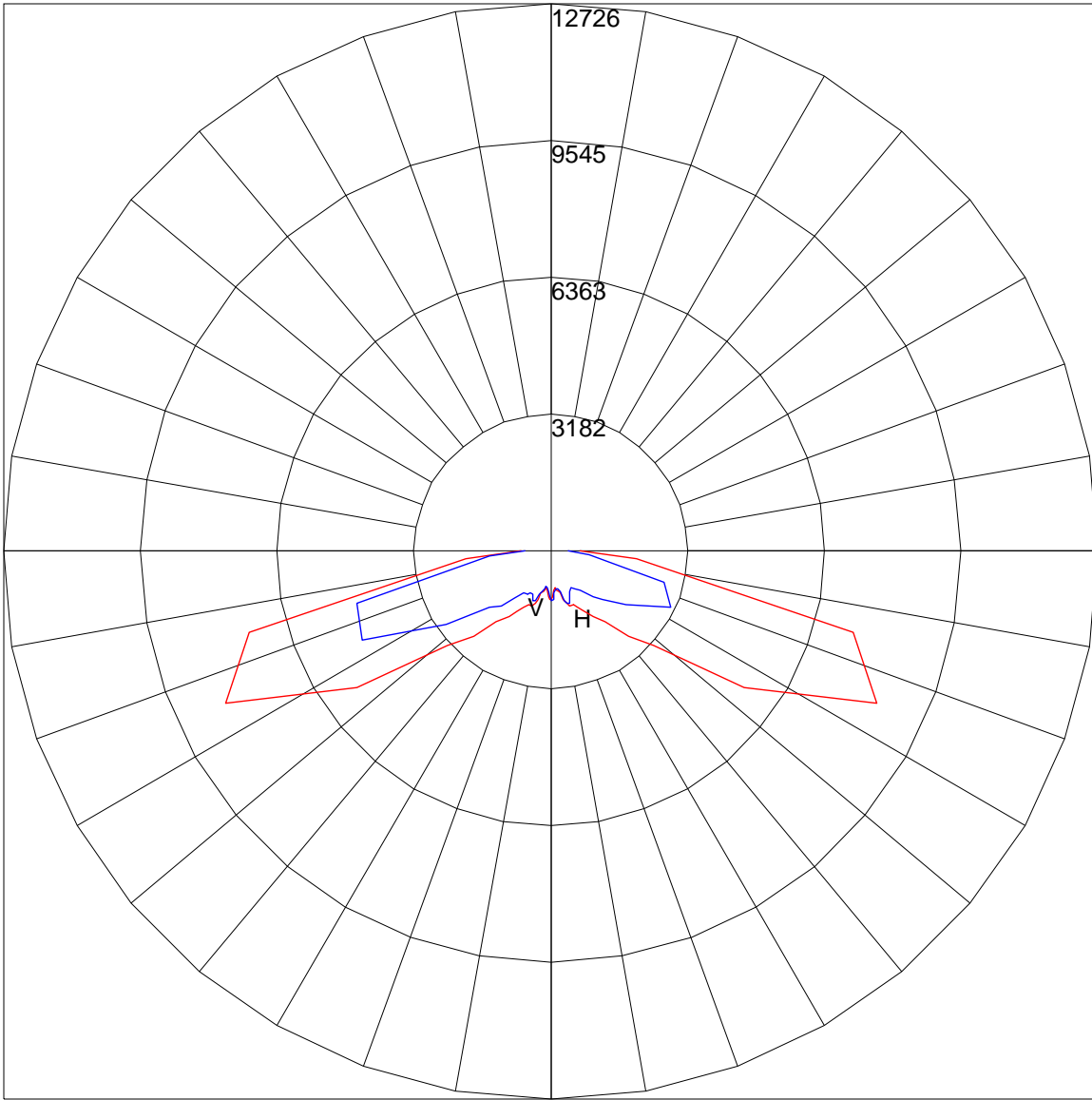
<b>13</b>	5.15 *	0.18 *	127.10
<b>11</b>	5.14 *	0.18 *	119.98
<b>9</b>	5.10 *	0.18 *	113.55
<b>7</b>	5.07 *	0.18 *	107.91
<b>5</b>	5.02 *	0.18 *	103.05
<b>3</b>	4.96 *	0.18 *	98.66
<b>1</b>	2.46 *	0.09 *	47.76
<b>0</b>	2.44 *	0.09 *	46.75
<b>-1</b>	4.84 *	0.18 *	90.66
<b>-3</b>	4.77 *	0.18 *	87.19
<b>-5</b>	4.69 *	0.18 *	84.17
<b>-7</b>	4.60 *	0.18 *	81.70
<b>-9</b>	4.52 *	0.18 *	79.69
<b>-11</b>	4.42 *	0.17 *	77.93
<b>-13</b>	4.32 *	0.17 *	76.55
<b>-15</b>	4.21 *	0.17 *	75.60
<b>-17</b>	5.12 *	0.21	93.71
<b>-19.5</b>	5.94 *	0.25	111.90
<b>-22.5</b>	5.71 *	0.24	113.06
<b>-25.5</b>	6.36 *	0.28	135.28
<b>-29</b>	6.86 *	0.31	160.90
<b>-33</b>	7.17 *	0.34	193.16
<b>-37.5</b>	7.26 *	0.37	234.07
<b>-42.5</b>	6.51 *	0.35	258.29
<b>-47.5</b>	8.41 *	0.50	456.72
<b>-55</b>	8.89 *	0.61	744.68
<b>-65</b>	6.55	0.55	712.29
<b>-75</b>	4.66	0.50	407.49

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50865.IES**

**LUMENS TABULATION - (Cont.)**

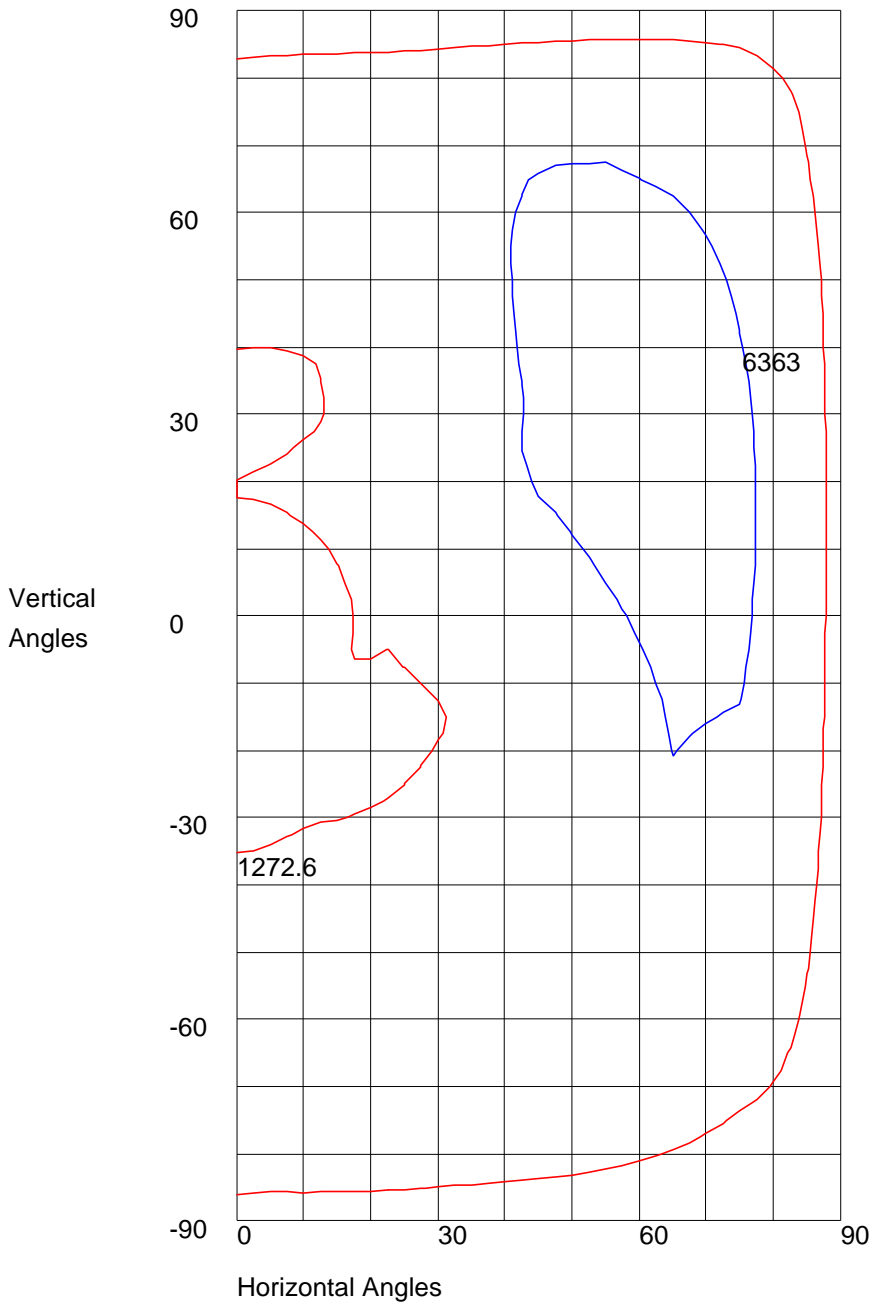
<b>-85</b>	1.75	0.23	74.30
<b>-90</b>			
<b>Total</b>	284.21	13.16	10336.55

AXIAL CANDELA DISPLAY



Maximum Candela = 12726 Located At Horizontal Angle = -65, Vertical Angle = 33  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 12726 Located At Horizontal Angle = -65, Vertical Angle = 33  
50% Maximum Candela = 6363  
10% Maximum Candela = 1272.6