



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[DATE]02/24/01  
[TEST]ITL50864  
[MANUFAC]LEXALITE INTERNATIONAL CORPORATION  
[LUMCAT]LEXALITE MODEL 120 III  
[LUMINAIRE]SPUN SPECULAR FLUTED METAL REFLECTOR WITH FABRICATED PREMIUM  
[MORE]SPECULAR METAL UPPER COLLAR AND WHITE PAINTED METAL SOCKET  
[MORE]MOUNTING PLATE, CLEAR POLYCARBONATE PRISMATIC ACORN REFRACTOR.  
[MORE]LAMP LIGHT CENTER ADJUSTED TO 1.0" ABOVE REFLECTOR RIM.  
[LAMP]ONE 250-WATT CLEAR BT-28 METAL HALIDE, VERTICAL BASE-UP POSITION.

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

**CHARACTERISTICS**

IES NEMA Type	7 H x 7 V
Maximum Candela	8699
Maximum Candela Angle	-65H 33V
Horizontal Beam Angle (50%)	34.1
Vertical Beam Angle (50%)	68.0
Horizontal Field Angle (10%)	171.1
Vertical Field Angle (10%)	159.5
Total Rated Lamp Lumens	20500
Beam Lumens	3134.07
Beam Efficiency	15.29%
Field Lumens	13623.01
Field Efficiency	66.45%
Spill Lumens	257.31
Total Lumens	13880.32
Total Efficiency	67.71%
Total Luminaire Watts	250
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	396	90	296
85	1012	85	576
75	5242	75	2205
65	4600	65	1827
55	3226	55	1415
47.5	2518	47.5	1317
42.5	2205	42.5	1267
37.5	1744	37.5	1037
33	1482	33	912
29	1356	29	925
25.5	1167	25.5	941
22.5	1037	22.5	954
19.5	1047	19.5	1014
17	1040	17	1043
15	987	15	1004
13	968	13	938
11	977	11	912
9	977	9	912
7	963	7	928
5	963	5	954
3	1108	3	1100
1	1235	1	1231
0	1295	0	1295
-1	1235	-1	1297
-3	1108	-3	1244
-5	963	-5	1020
-7	963	-7	954
-9	977	-9	948
-11	977	-11	928
-13	968	-13	896
-15	987	-15	922
-17	1040	-17	974
-19.5	1047	-19.5	948
-22.5	1037	-22.5	872
-25.5	1167	-25.5	918
-29	1356	-29	931
-33	1482	-33	1020
-37.5	1744	-37.5	1234
-42.5	2205	-42.5	1530
-47.5	2518	-47.5	1613
-55	3226	-55	2106
-65	4600	-65	2831
-75	5242	-75	3341
-85	1012	-85	658
-90	396	-90	313

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**CANDELA TABULATION**

Maximum Candela = 8699  
 Beam Edge = 4349.5 Cd (50% of Max.)  
 Field Edge = 869.9 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	395	420	485	469	453	453	445	429	410	390
85.0	395	461	639	663	714	747	752	743	731	719
75.0	395	541	1061 *	1763 *	2621 *	2874 *	2778 *	2650 *	2504 *	2425 *
65.0	395	615	1898 *	4224 *	5174 *	4284 *	3501 *	3041 *	2656 *	2463 *
55.0	395	712	3199 *	6685 *	5984 *	4351 *	3596 *	2960 *	2570 *	2252 *
47.5	396	799	4252 *	7803 *	6537 *	4719 *	3756 *	2816 *	2268 *	1924 *
42.5	396	850	4844 *	8303 *	7059 *	5020 *	3686 *	2766 *	2164 *	1878 *
37.5	396	895 *	5343 *	8690 *	7297 *	5182 *	3766 *	2873 *	2339 *	2013 *
33.0	396	929 *	5702 *	8699 *	7266 *	5366 *	4026 *	3064 *	2578 *	2143 *
29.0	396	955 *	5843 *	8240 *	7169 *	5421 *	4244 *	3325 *	2708 *	2177 *
25.5	396	975 *	5918 *	7789 *	7092 *	5268 *	4436 *	3478 *	2726 *	2183 *
22.5	396	988 *	5949 *	7407 *	7032 *	5119 *	4290 *	3539 *	2691 *	2124 *
19.5	396	1000 *	5949 *	7007 *	6371 *	4964 *	4114 *	3405 *	2606 *	1999 *
17.0	396	1007 *	5913 *	6667 *	5841 *	4846 *	3958 *	3167 *	2474 *	1875 *
15.0	396	1012 *	5868 *	6391 *	5433 *	4485 *	3831 *	2984 *	2286 *	1771 *
13.0	396	1015 *	5812 *	6113 *	5040 *	4147 *	3607 *	2816 *	2118 *	1684 *
11.0	396	1034 *	5746 *	5833 *	4660 *	3828 *	3338 *	2627 *	1989 *	1613 *
9.0	396	1030 *	5671 *	5599 *	4293 *	3528 *	3091 *	2414 *	1874 *	1559 *
7.0	396	1026 *	5588 *	5373 *	3950 *	3242 *	2864 *	2226 *	1766 *	1499 *
5.0	396	1022 *	5513 *	5149 *	3730 *	2987 *	2653 *	2059 *	1677 *	1445 *
3.0	396	1018 *	5405 *	4924 *	3513 *	2789 *	2458 *	1916 *	1601 *	1401 *
1.0	396	1014 *	5296 *	4708 *	3322 *	2609 *	2289 *	1798 *	1520 *	1369 *
0.0	396	1012 *	5242 *	4600 *	3226 *	2518 *	2205 *	1744 *	1482 *	1356 *
-1.0	396	1012 *	5197 *	4528 *	3159 *	2444 *	2133 *	1697 *	1455 *	1344 *
-3.0	396	1005 *	5106 *	4384 *	3025 *	2297 *	1990 *	1609 *	1402 *	1320 *
-5.0	396	1000 *	5015 *	4247 *	2911 *	2162 *	1874 *	1545 *	1348 *	1263 *
-7.0	396	996 *	4899 *	4111 *	2793 *	2070 *	1808 *	1500 *	1298 *	1206 *
-9.0	396	991 *	4794 *	3977 *	2721 *	1993 *	1741 *	1456 *	1254 *	1151 *
-11.0	396	987 *	4685 *	3858 *	2657 *	1920 *	1674 *	1412 *	1229 *	1115 *
-13.0	396	961 *	4574 *	3782 *	2597 *	1850 *	1604 *	1391 *	1218 *	1087 *
-15.0	396	950 *	4462 *	3716 *	2540 *	1782 *	1558 *	1393 *	1209 *	1068 *
-17.0	396	939 *	4347 *	3653 *	2487 *	1717 *	1554 *	1405 *	1203 *	1080 *
-19.5	396	923 *	4209 *	3578 *	2424 *	1740 *	1546 *	1430 *	1229 *	1117 *
-22.5	396	902 *	4076 *	3496 *	2360 *	1783 *	1533 *	1468 *	1292 *	1169 *
-25.5	396	881 *	3940 *	3416 *	2410 *	1834 *	1550 *	1482 *	1364 *	1231 *
-29.0	396	854	3777 *	3345 *	2473 *	1903 *	1620 *	1495 *	1461 *	1332 *
-33.0	396	821	3586 *	3265 *	2538 *	2007 *	1742 *	1543 *	1492 *	1469 *
-37.5	396	782	3246 *	3237 *	2614 *	2155 *	1889 *	1690 *	1553 *	1516 *
-42.5	396	736	2851 *	3268 *	2688 *	2362 *	2104 *	1902 *	1760 *	1675 *
-47.5	396	688	2450 *	3255 *	2841 *	2537 *	2380 *	2175 *	2028 *	1929 *
-55.0	395	614	1785 *	3025 *	3048 *	2807 *	2716 *	2662 *	2551 *	2457 *
-65.0	395	534	1068 *	2033 *	2883 *	3114 *	3146 *	3141 *	3126 *	3064 *
-75.0	395	473	640	943 *	1406 *	1851 *	2176 *	2483 *	2738 *	2876 *
-85.0	395	411	414	425	445	476	493	507	524	546
-90.0	395	379	346	321	313	301	294	290	287	284

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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	373	360	348	338	329	328	326	325	323	321
85.0	707	694	679	664	651	649	654	647	641	634
75.0	2346 *	2303 *	2275 *	2249 *	2226 *	2222 *	2225 *	2227 *	2227 *	2230 *
65.0	2314 *	2208 *	2127 *	2058 *	2004 *	1958 *	1930 *	1904 *	1877 *	1852 *
55.0	2056 *	1902 *	1769 *	1676 *	1605 *	1539 *	1501 *	1478 *	1459 *	1442 *
47.5	1712 *	1602 *	1489 *	1427 *	1391 *	1359 *	1330 *	1323 *	1319 *	1318 *
42.5	1626 *	1521 *	1433 *	1362 *	1333 *	1304 *	1275 *	1262 *	1258 *	1255 *
37.5	1766 *	1565 *	1429 *	1295 *	1205 *	1163 *	1119 *	1077 *	1063 *	1051 *
33.0	1822 *	1590 *	1407 *	1280 *	1182 *	1113 *	1053 *	992 *	957 *	934 *
29.0	1840 *	1609 *	1400 *	1247 *	1145 *	1071 *	1028 *	996 *	972 *	963 *
25.5	1820 *	1564 *	1364 *	1261 *	1187 *	1124 *	1079 *	1042 *	1007 *	982 *
22.5	1744 *	1506 *	1352 *	1254 *	1185 *	1116 *	1065 *	1033 *	1011 *	996 *
19.5	1651 *	1424 *	1292 *	1187 *	1119 *	1073 *	1041 *	1033 *	1032 *	1035 *
17.0	1541 *	1346 *	1205 *	1124 *	1066 *	1055 *	1044 *	1045 *	1048 *	1052 *
15.0	1480 *	1292 *	1149 *	1078 *	1067 *	1057 *	1057 *	1057 *	1037 *	1018 *
13.0	1436 *	1243 *	1116 *	1080 *	1070 *	1068 *	1056 *	1027 *	1004 *	970 *
11.0	1383 *	1198 *	1090 *	1079 *	1077 *	1063 *	1030 *	991 *	952 *	928 *
9.0	1337 *	1166 *	1087 *	1076 *	1073 *	1037 *	997 *	952 *	938 *	926 *
7.0	1297 *	1136 *	1085 *	1075 *	1045 *	1003 *	967 *	952 *	946 *	927 *
5.0	1248 *	1102 *	1083 *	1078 *	1031 *	986 *	958 *	963 *	949 *	945 *
3.0	1208 *	1074 *	1070 *	1071 *	1017 *	979 *	974 *	977 *	950 *	965 *
1.0	1178 *	1049 *	1057 *	1056 *	1000 *	971 *	972 *	976 *	968 *	968 *
0.0	1167 *	1037 *	1047 *	1040 *	987 *	968 *	977 *	977 *	963 *	963 *
-1.0	1158 *	1033 *	1043 *	1043 *	1000 *	965 *	973 *	980 *	970 *	968 *
-3.0	1138 *	1018 *	1026 *	1040 *	995 *	964 *	962 *	969 *	971 *	976 *
-5.0	1105 *	990 *	999 *	1031 *	993 *	960 *	937 *	959 *	967 *	969 *
-7.0	1076 *	961 *	959 *	995 *	992 *	965 *	937 *	941 *	955 *	951 *
-9.0	1053 *	931 *	909 *	953 *	990 *	969 *	946 *	916 *	926 *	932 *
-11.0	1031 *	899 *	862 *	910 *	949 *	977 *	955 *	934 *	910 *	896 *
-13.0	1001 *	902 *	840 *	861 *	906 *	955 *	978 *	959 *	936 *	917 *
-15.0	992 *	912 *	829 *	814 *	854 *	911 *	960 *	989 *	973 *	956 *
-17.0	987 *	920 *	850 *	821 *	820 *	880 *	928 *	958 *	978 *	991 *
-19.5	994 *	931 *	894 *	866 *	869 *	878 *	881 *	913 *	923 *	928 *
-22.5	1062 *	969 *	919 *	934 *	941 *	938 *	936 *	922 *	900 *	884 *
-25.5	1161 *	1065 *	988 *	961 *	962 *	980 *	1000 *	977 *	955 *	950 *
-29.0	1244 *	1191 *	1129 *	1071 *	1035 *	1021 *	987 *	948 *	929 *	944 *
-33.0	1392 *	1324 *	1273 *	1247 *	1231 *	1206 *	1168 *	1132 *	1098 *	1069 *
-37.5	1512 *	1514 *	1484 *	1456 *	1430 *	1396 *	1366 *	1338 *	1302 *	1269 *
-42.5	1614 *	1585 *	1589 *	1590 *	1579 *	1573 *	1568 *	1560 *	1550 *	1539 *
-47.5	1875 *	1845 *	1822 *	1787 *	1754 *	1724 *	1698 *	1676 *	1657 *	1643 *
-55.0	2389 *	2338 *	2290 *	2254 *	2227 *	2204 *	2178 *	2154 *	2135 *	2120 *
-65.0	2999 *	2972 *	2936 *	2909 *	2890 *	2871 *	2850 *	2831 *	2814 *	2798 *
-75.0	2987 *	3060 *	3117 *	3161 *	3193 *	3216 *	3235 *	3250 *	3262 *	3283 *
-85.0	564	574	580	584	587	591	601	601	601	601
-90.0	281	282	285	287	288	290	292	293	295	296

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	311	301	296	301	311	321	323	325	326	328
85.0	611	588	576	588	611	634	641	647	654	649
75.0	2221 *	2210 *	2205 *	2210 *	2221 *	2230 *	2227 *	2227 *	2225 *	2222 *
65.0	1838 *	1831 *	1827 *	1831 *	1838 *	1852 *	1877 *	1904 *	1930 *	1958 *

CANDELA TABULATION - (Cont.)

55.0	1427 *	1419 *	1415 *	1419 *	1427 *	1442 *	1459 *	1478 *	1501 *	1539 *
47.5	1317 *	1317 *	1317 *	1317 *	1317 *	1318 *	1319 *	1323 *	1330 *	1359 *
42.5	1253 *	1262 *	1267 *	1262 *	1253 *	1255 *	1258 *	1262 *	1275 *	1304 *
37.5	1040 *	1037 *	1037 *	1037 *	1040 *	1051 *	1063 *	1077 *	1119 *	1163 *
33.0	911 *	909 *	912 *	909 *	911 *	934 *	957 *	992 *	1053 *	1113 *
29.0	953 *	935 *	925 *	935 *	953 *	963 *	972 *	996 *	1028 *	1071 *
25.5	957 *	943 *	941 *	943 *	957 *	982 *	1007 *	1042 *	1079 *	1124 *
22.5	984 *	967 *	954 *	967 *	984 *	996 *	1011 *	1033 *	1065 *	1116 *
19.5	1029 *	1020 *	1014 *	1020 *	1029 *	1035 *	1032 *	1033 *	1041 *	1073 *
17.0	1044 *	1038 *	1043 *	1038 *	1044 *	1052 *	1048 *	1045 *	1044 *	1055 *
15.0	1002 *	998 *	1004 *	998 *	1002 *	1018 *	1037 *	1057 *	1057 *	1057 *
13.0	941 *	932 *	938 *	932 *	941 *	970 *	1004 *	1027 *	1056 *	1068 *
11.0	913 *	913 *	912 *	913 *	913 *	928 *	952 *	991 *	1030 *	1063 *
9.0	916 *	913 *	912 *	913 *	916 *	926 *	938 *	952 *	997 *	1037 *
7.0	913 *	923 *	928 *	923 *	913 *	927 *	946 *	952 *	967 *	1003 *
5.0	962 *	966 *	954 *	966 *	962 *	945 *	949 *	963 *	958 *	986 *
3.0	1029 *	1101 *	1100 *	1101 *	1029 *	965 *	950 *	977 *	974 *	979 *
1.0	1109 *	1210 *	1231 *	1210 *	1109 *	968 *	968 *	976 *	972 *	971 *
0.0	1108 *	1235 *	1295 *	1235 *	1108 *	963 *	963 *	977 *	977 *	968 *
-1.0	1111 *	1242 *	1297 *	1242 *	1111 *	968 *	970 *	980 *	973 *	965 *
-3.0	1058 *	1168 *	1244 *	1168 *	1058 *	976 *	971 *	969 *	962 *	964 *
-5.0	975 *	987 *	1020 *	987 *	975 *	969 *	967 *	959 *	937 *	960 *
-7.0	945 *	953 *	954 *	953 *	945 *	951 *	955 *	941 *	937 *	965 *
-9.0	937 *	945 *	948 *	945 *	937 *	932 *	926 *	916 *	946 *	969 *
-11.0	910 *	918 *	928 *	918 *	910 *	896 *	910 *	934 *	955 *	977 *
-13.0	904 *	891 *	896 *	891 *	904 *	917 *	936 *	959 *	978 *	955 *
-15.0	942 *	928 *	922 *	928 *	942 *	956 *	973 *	989 *	960 *	911 *
-17.0	986 *	976 *	974 *	976 *	986 *	991 *	978 *	958 *	928 *	880 *
-19.5	937 *	943 *	948 *	943 *	937 *	928 *	923 *	913 *	881 *	878 *
-22.5	877 *	872 *	872 *	872 *	877 *	884 *	900 *	922 *	936 *	938 *
-25.5	949 *	932 *	918 *	932 *	949 *	950 *	955 *	977 *	1000 *	980 *
-29.0	958 *	944 *	931 *	944 *	958 *	944 *	929 *	948 *	987 *	1021 *
-33.0	1046 *	1028 *	1020 *	1028 *	1046 *	1069 *	1098 *	1132 *	1168 *	1206 *
-37.5	1240 *	1234 *	1234 *	1234 *	1240 *	1269 *	1302 *	1338 *	1366 *	1396 *
-42.5	1530 *	1530 *	1530 *	1530 *	1530 *	1539 *	1550 *	1560 *	1568 *	1573 *
-47.5	1626 *	1617 *	1613 *	1617 *	1626 *	1643 *	1657 *	1676 *	1698 *	1724 *
-55.0	2106 *	2106 *	2106 *	2106 *	2106 *	2120 *	2135 *	2154 *	2178 *	2204 *
-65.0	2803 *	2822 *	2831 *	2822 *	2803 *	2798 *	2814 *	2831 *	2850 *	2871 *
-75.0	3305 *	3329 *	3341 *	3329 *	3305 *	3283 *	3262 *	3250 *	3235 *	3216 *
-85.0	624	647	658	647	624	601	601	601	601	591
-90.0	303	310	313	310	303	296	295	293	292	290

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>
90.0	329	338	348	360	373	390	410	429	445	453
85.0	651	664	679	694	707	719	731	743	752	747
75.0	2226 *	2249 *	2275 *	2303 *	2346 *	2425 *	2504 *	2650 *	2778 *	2874 *
65.0	2004 *	2058 *	2127 *	2208 *	2314 *	2463 *	2656 *	3041 *	3501 *	4284 *
55.0	1605 *	1676 *	1769 *	1902 *	2056 *	2252 *	2570 *	2960 *	3596 *	4351 *
47.5	1391 *	1427 *	1489 *	1602 *	1712 *	1924 *	2268 *	2816 *	3756 *	4719 *
42.5	1333 *	1362 *	1433 *	1521 *	1626 *	1878 *	2164 *	2766 *	3686 *	5020 *
37.5	1205 *	1295 *	1429 *	1565 *	1766 *	2013 *	2339 *	2873 *	3766 *	5182 *
33.0	1182 *	1280 *	1407 *	1590 *	1822 *	2143 *	2578 *	3064 *	4026 *	5366 *
29.0	1145 *	1247 *	1400 *	1609 *	1840 *	2177 *	2708 *	3325 *	4244 *	5421 *
25.5	1187 *	1261 *	1364 *	1564 *	1820 *	2183 *	2726 *	3478 *	4436 *	5268 *

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**CANDELA TABULATION - (Cont.)**

<b>22.5</b>	1185 *	1254 *	1352 *	1506 *	1744 *	2124 *	2691 *	3539 *	4290 *	5119 *
<b>19.5</b>	1119 *	1187 *	1292 *	1424 *	1651 *	1999 *	2606 *	3405 *	4114 *	4964 *
<b>17.0</b>	1066 *	1124 *	1205 *	1346 *	1541 *	1875 *	2474 *	3167 *	3958 *	4846 *
<b>15.0</b>	1067 *	1078 *	1149 *	1292 *	1480 *	1771 *	2286 *	2984 *	3831 *	4485 *
<b>13.0</b>	1070 *	1080 *	1116 *	1243 *	1436 *	1684 *	2118 *	2816 *	3607 *	4147 *
<b>11.0</b>	1077 *	1079 *	1090 *	1198 *	1383 *	1613 *	1989 *	2627 *	3338 *	3828 *
<b>9.0</b>	1073 *	1076 *	1087 *	1166 *	1337 *	1559 *	1874 *	2414 *	3091 *	3528 *
<b>7.0</b>	1045 *	1075 *	1085 *	1136 *	1297 *	1499 *	1766 *	2226 *	2864 *	3242 *
<b>5.0</b>	1031 *	1078 *	1083 *	1102 *	1248 *	1445 *	1677 *	2059 *	2653 *	2987 *
<b>3.0</b>	1017 *	1071 *	1070 *	1074 *	1208 *	1401 *	1601 *	1916 *	2458 *	2789 *
<b>1.0</b>	1000 *	1056 *	1057 *	1049 *	1178 *	1369 *	1520 *	1798 *	2289 *	2609 *
<b>0.0</b>	987 *	1040 *	1047 *	1037 *	1167 *	1356 *	1482 *	1744 *	2205 *	2518 *
<b>-1.0</b>	1000 *	1043 *	1043 *	1033 *	1158 *	1344 *	1455 *	1697 *	2133 *	2444 *
<b>-3.0</b>	995 *	1040 *	1026 *	1018 *	1138 *	1320 *	1402 *	1609 *	1990 *	2297 *
<b>-5.0</b>	993 *	1031 *	999 *	990 *	1105 *	1263 *	1348 *	1545 *	1874 *	2162 *
<b>-7.0</b>	992 *	995 *	959 *	961 *	1076 *	1206 *	1298 *	1500 *	1808 *	2070 *
<b>-9.0</b>	990 *	953 *	909 *	931 *	1053 *	1151 *	1254 *	1456 *	1741 *	1993 *
<b>-11.0</b>	949 *	910 *	862 *	899 *	1031 *	1115 *	1229 *	1412 *	1674 *	1920 *
<b>-13.0</b>	906 *	861 *	840 *	902 *	1001 *	1087 *	1218 *	1391 *	1604 *	1850 *
<b>-15.0</b>	854 *	814 *	829 *	912 *	992 *	1068 *	1209 *	1393 *	1558 *	1782 *
<b>-17.0</b>	820 *	821 *	850 *	920 *	987 *	1080 *	1203 *	1405 *	1554 *	1717 *
<b>-19.5</b>	869 *	866 *	894 *	931 *	994 *	1117 *	1229 *	1430 *	1546 *	1740 *
<b>-22.5</b>	941 *	934 *	919 *	969 *	1062 *	1169 *	1292 *	1468 *	1533 *	1783 *
<b>-25.5</b>	962 *	961 *	988 *	1065 *	1161 *	1231 *	1364 *	1482 *	1550 *	1834 *
<b>-29.0</b>	1035 *	1071 *	1129 *	1191 *	1244 *	1332 *	1461 *	1495 *	1620 *	1903 *
<b>-33.0</b>	1231 *	1247 *	1273 *	1324 *	1392 *	1469 *	1492 *	1543 *	1742 *	2007 *
<b>-37.5</b>	1430 *	1456 *	1484 *	1514 *	1512 *	1516 *	1553 *	1690 *	1889 *	2155 *
<b>-42.5</b>	1579 *	1590 *	1589 *	1585 *	1614 *	1675 *	1760 *	1902 *	2104 *	2362 *
<b>-47.5</b>	1754 *	1787 *	1822 *	1845 *	1875 *	1929 *	2028 *	2175 *	2380 *	2537 *
<b>-55.0</b>	2227 *	2254 *	2290 *	2338 *	2389 *	2457 *	2551 *	2662 *	2716 *	2807 *
<b>-65.0</b>	2890 *	2909 *	2936 *	2972 *	2999 *	3064 *	3126 *	3141 *	3146 *	3114 *
<b>-75.0</b>	3193 *	3161 *	3117 *	3060 *	2987 *	2876 *	2738 *	2483 *	2176 *	1851 *
<b>-85.0</b>	587 *	584 *	580 *	574 *	564 *	546 *	524 *	507 *	493 *	476 *
<b>-90.0</b>	288 *	287 *	285 *	282 *	281 *	284 *	287 *	290 *	294 *	301 *

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

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
<b>90.0</b>	453	469	485	420	395
<b>85.0</b>	714	663	639	461	395
<b>75.0</b>	2621 *	1763 *	1061 *	541	395
<b>65.0</b>	5174 *	4224 *	1898 *	615	395
<b>55.0</b>	5984 *	6685 *	3199 *	712	395
<b>47.5</b>	6537 *	7803 *	4252 *	799	396
<b>42.5</b>	7059 *	8303 *	4844 *	850	396
<b>37.5</b>	7297 *	8690 *	5343 *	895 *	396
<b>33.0</b>	7266 *	8699 *	5702 *	929 *	396
<b>29.0</b>	7169 *	8240 *	5843 *	955 *	396
<b>25.5</b>	7092 *	7789 *	5918 *	975 *	396
<b>22.5</b>	7032 *	7407 *	5949 *	988 *	396
<b>19.5</b>	6371 *	7007 *	5949 *	1000 *	396
<b>17.0</b>	5841 *	6667 *	5913 *	1007 *	396
<b>15.0</b>	5433 *	6391 *	5868 *	1012 *	396
<b>13.0</b>	5040 *	6113 *	5812 *	1015 *	396
<b>11.0</b>	4660 *	5833 *	5746 *	1034 *	396
<b>9.0</b>	4293 *	5599 *	5671 *	1030 *	396

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**CANDELA TABULATION - (Cont.)**

<b>7.0</b>	3950 *	5373 *	5588 *	1026 *	396
<b>5.0</b>	3730 *	5149 *	5513 *	1022 *	396
<b>3.0</b>	3513 *	4924 *	5405 *	1018 *	396
<b>1.0</b>	3322 *	4708 *	5296 *	1014 *	396
<b>0.0</b>	3226 *	4600 *	5242 *	1012 *	396
<b>-1.0</b>	3159 *	4528 *	5197 *	1012 *	396
<b>-3.0</b>	3025 *	4384 *	5106 *	1005 *	396
<b>-5.0</b>	2911 *	4247 *	5015 *	1000 *	396
<b>-7.0</b>	2793 *	4111 *	4899 *	996 *	396
<b>-9.0</b>	2721 *	3977 *	4794 *	991 *	396
<b>-11.0</b>	2657 *	3858 *	4685 *	987 *	396
<b>-13.0</b>	2597 *	3782 *	4574 *	961 *	396
<b>-15.0</b>	2540 *	3716 *	4462 *	950 *	396
<b>-17.0</b>	2487 *	3653 *	4347 *	939 *	396
<b>-19.5</b>	2424 *	3578 *	4209 *	923 *	396
<b>-22.5</b>	2360 *	3496 *	4076 *	902 *	396
<b>-25.5</b>	2410 *	3416 *	3940 *	881 *	396
<b>-29.0</b>	2473 *	3345 *	3777 *	854	396
<b>-33.0</b>	2538 *	3265 *	3586 *	821	396
<b>-37.5</b>	2614 *	3237 *	3246 *	782	396
<b>-42.5</b>	2688 *	3268 *	2851 *	736	396
<b>-47.5</b>	2841 *	3255 *	2450 *	688	396
<b>-55.0</b>	3048 *	3025 *	1785 *	614	395
<b>-65.0</b>	2883 *	2033 *	1068 *	534	395
<b>-75.0</b>	1406 *	943 *	640	473	395
<b>-85.0</b>	445	425	414	411	395
<b>-90.0</b>	313	321	346	379	395

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**LUMEN TABULATION**

Average Of Right And Left Sides  
 Total Lumens (one side of beam only) = 6940.16  
 Total Field Lumens (one side of beam only) = 6811.5  
 \* 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	0.67	1.38	1.43	1.45	1.46	1.46	1.46	1.46	1.45	1.45	1.83
85	4.25 *	8.57 *	8.65 *	8.68 *	8.66 *	8.63 *	8.57 *	8.49 *	8.48 *	10.61 *	
75	6.15 *	12.33 *	12.37 *	12.40 *	12.42 *	12.43 *	12.42 *	12.43 *	12.50 *	15.75 *	
65	4.94 *	9.92 *	9.97 *	10.04 *	10.13 *	10.22 *	10.32 *	10.50 *	10.75 *	13.79 *	
55	3.12 *	6.26 *	6.27 *	6.29 *	6.31 *	6.34 *	6.40 *	6.53 *	6.70 *	8.63 *	
47.5	1.97 *	3.92 *	3.91 *	3.90 *	3.89 *	3.89 *	3.92 *	3.98 *	4.04 *	5.16 *	
42.5	1.75 *	3.49 *	3.49 *	3.50 *	3.51 *	3.55 *	3.62 *	3.70 *	3.80 *	4.99 *	
37.5	1.33 *	2.67 *	2.69 *	2.73 *	2.78 *	2.86 *	2.98 *	3.10 *	3.27 *	4.40 *	
33	1.12 *	2.26 *	2.29 *	2.32 *	2.36 *	2.44 *	2.54 *	2.67 *	2.84 *	3.86 *	
29	1.00 *	2.02 *	2.05 *	2.08 *	2.12 *	2.18 *	2.24 *	2.34 *	2.48 *	3.34 *	
25.5	0.87 *	1.76 *	1.79 *	1.82 *	1.85 *	1.90 *	1.96 *	2.04 *	2.15 *	2.84 *	
22.5	0.90 *	1.83 *	1.84 *	1.85 *	1.86 *	1.88 *	1.92 *	1.99 *	2.08 *	2.76 *	
19.5	0.78 *	1.57 *	1.58 *	1.58 *	1.57 *	1.56 *	1.57 *	1.59 *	1.65 *	2.17 *	
17	0.62 *	1.24 *	1.25 *	1.26 *	1.26 *	1.26 *	1.26 *	1.25 *	1.27 *	1.65 *	
15	0.59 *	1.18 *	1.19 *	1.22 *	1.24 *	1.26 *	1.26 *	1.26 *	1.26 *	1.60 *	
13	0.56 *	1.13 *	1.14 *	1.17 *	1.20 *	1.23 *	1.26 *	1.26 *	1.26 *	1.58 *	
11	0.56 *	1.11 *	1.12 *	1.13 *	1.16 *	1.19 *	1.23 *	1.26 *	1.26 *	1.57 *	
9	0.56 *	1.12 *	1.12 *	1.13 *	1.14 *	1.16 *	1.19 *	1.23 *	1.25 *	1.56 *	
7	0.57 *	1.15 *	1.14 *	1.14 *	1.15 *	1.15 *	1.17 *	1.20 *	1.24 *	1.56 *	
5	0.63 *	1.24 *	1.19 *	1.15 *	1.16 *	1.16 *	1.16 *	1.19 *	1.23 *	1.56 *	
3	0.71 *	1.35 *	1.24 *	1.17 *	1.17 *	1.17 *	1.16 *	1.17 *	1.21 *	1.54 *	
1	0.38 *	0.71 *	0.63 *	0.58 *	0.59 *	0.59 *	0.58 *	0.58 *	0.60 *	0.76 *	
0	0.39 *	0.71 *	0.63 *	0.59 *	0.59 *	0.59 *	0.58 *	0.58 *	0.60 *	0.75 *	
-1	0.75 *	1.39 *	1.25 *	1.18 *	1.17 *	1.17 *	1.15 *	1.16 *	1.19 *	1.50 *	
-3	0.67 *	1.27 *	1.21 *	1.18 *	1.17 *	1.15 *	1.14 *	1.16 *	1.19 *	1.48 *	



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**LUMENS TABULATION - (Cont.)**

<b>-5</b>	0.60 *	1.18 *	1.17 *	1.16 *	1.15 *	1.13 *	1.13 *	1.16 *	1.17 *	1.44 *
<b>-7</b>	0.58 *	1.15 *	1.14 *	1.14 *	1.13 *	1.12 *	1.14 *	1.16 *	1.15 *	1.38 *
<b>-9</b>	0.57 *	1.13 *	1.12 *	1.11 *	1.11 *	1.13 *	1.15 *	1.15 *	1.11 *	1.31 *
<b>-11</b>	0.55 *	1.10 *	1.10 *	1.11 *	1.13 *	1.15 *	1.15 *	1.12 *	1.06 *	1.26
<b>-13</b>	0.55 *	1.12 *	1.13 *	1.15 *	1.16 *	1.17 *	1.13 *	1.07 *	1.01	1.21
<b>-15</b>	0.58 *	1.17 *	1.18 *	1.18 *	1.18 *	1.15 *	1.10 *	1.02	0.97	1.20
<b>-17</b>	0.73 *	1.46 *	1.46 *	1.45 *	1.42 *	1.38 *	1.33 *	1.27	1.24	1.55
<b>-19.5</b>	0.83 *	1.66 *	1.65 *	1.65 *	1.66 *	1.64 *	1.62 *	1.61 *	1.59 *	1.96 *
<b>-22.5</b>	0.82 *	1.66 *	1.67 *	1.68 *	1.70 *	1.73 *	1.72 *	1.69 *	1.67 *	2.06 *
<b>-25.5</b>	0.99 *	2.02 *	2.02 *	2.00 *	2.01 *	2.05 *	2.08 *	2.07 *	2.06 *	2.63 *
<b>-29</b>	1.19 *	2.42 *	2.44 *	2.45 *	2.48 *	2.54 *	2.61 *	2.66 *	2.68 *	3.41 *
<b>-33</b>	1.55 *	3.12 *	3.16 *	3.23 *	3.31 *	3.38 *	3.44 *	3.50 *	3.53 *	4.44 *
<b>-37.5</b>	2.10 *	4.21 *	4.24 *	4.29 *	4.34 *	4.37 *	4.40 *	4.42 *	4.43 *	5.53 *
<b>-42.5</b>	2.39 *	4.80 *	4.81 *	4.84 *	4.86 *	4.88 *	4.89 *	4.90 *	4.91 *	6.14 *
<b>-47.5</b>	4.25 *	8.51 *	8.54 *	8.58 *	8.62 *	8.67 *	8.72 *	8.77 *	8.81 *	11.06 *
<b>-55</b>	7.51 *	14.97 *	14.93 *	14.95 *	14.98 *	15.02 *	15.05 *	15.06 *	15.05 *	18.78 *
<b>-65</b>	9.38 *	18.66 *	18.52 *	18.41 *	18.34 *	18.25 *	18.13 *	17.98 *	17.79 *	21.92 *
<b>-75</b>	6.07 *	12.03 *	11.87 *	11.73 *	11.63 *	11.53 *	11.39 *	11.21 *	11.02 *	13.45 *
<b>-85</b>	0.73	1.43	1.39	1.36	1.35	1.34	1.32	1.30	1.28	1.57
<b>-90</b>										
<b>Total</b>	77.85	155.35	154.96	155.01	155.46	156.02	156.55	157.23	158.27	199.53

**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>	2.22	2.23	2.59	2.94	3.24	3.45	3.23	4.23	4.37	2.93
<b>85</b>	12.69 *	12.63 *	14.68 *	16.65 *	18.54 *	20.19 *	19.25 *	24.85 *	21.91 *	10.73 *
<b>75</b>	19.01 *	19.14 *	22.62 *	26.23 *	30.36 *	34.90 *	36.17 *	53.42 *	52.41 *	23.27 *
<b>65</b>	17.07 *	17.70 *	21.52 *	25.95 *	31.41 *	38.19 *	42.34 *	70.71 *	83.92 *	41.64 *
<b>55</b>	10.82 *	11.38 *	14.12 *	17.65 *	22.27 *	28.71 *	33.15 *	57.85 *	77.03 *	42.80 *
<b>47.5</b>	6.45 *	6.74 *	8.46 *	10.75 *	14.01 *	18.99 *	23.12 *	41.68 *	56.48 *	32.78 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**LUMENS TABULATION - (Cont.)**

<b>42.5</b>	6.34 *	6.76 *	8.63 *	10.96 *	14.19 *	19.09 *	23.76 *	43.87 *	59.61 *	35.35 *
<b>37.5</b>	5.75 *	6.33 *	8.26 *	10.66 *	13.67 *	18.01 *	22.21 *	40.37 *	54.68 *	33.28 *
<b>33</b>	5.12 *	5.73 *	7.56 *	10.03 *	13.07 *	17.10 *	20.52 *	36.04 *	47.72 *	29.64 *
<b>29</b>	4.43 *	4.99 *	6.65 *	8.95 *	11.98 *	15.80 *	18.25 *	31.20 *	40.32 *	25.30 *
<b>25.5</b>	3.70 *	4.15 *	5.59 *	7.62 *	10.44 *	13.77 *	15.43 *	26.27 *	33.45 *	21.12 *
<b>22.5</b>	3.57 *	3.96 *	5.34 *	7.38 *	10.27 *	13.43 *	14.93 *	25.17 *	31.74 *	20.53 *
<b>19.5</b>	2.81 *	3.11 *	4.19 *	5.84 *	8.15 *	10.68 *	12.03 *	19.67 *	24.61 *	16.61 *
<b>17</b>	2.13 *	2.36 *	3.16 *	4.39 *	6.11 *	8.13 *	9.22 *	14.72 *	18.51 *	12.92 *
<b>15</b>	2.05 *	2.28 *	3.02 *	4.10 *	5.71 *	7.72 *	8.65 *	13.65 *	17.48 *	12.58 *
<b>13</b>	1.98 *	2.20 *	2.90 *	3.87 *	5.34 *	7.22 *	8.03 *	12.63 *	16.46 *	12.23 *
<b>11</b>	1.94 *	2.12 *	2.79 *	3.67 *	4.98 *	6.69 *	7.42 *	11.65 *	15.50 *	11.89 *
<b>9</b>	1.91 *	2.06 *	2.70 *	3.50 *	4.63 *	6.18 *	6.85 *	10.73 *	14.61 *	11.57 *
<b>7</b>	1.88 *	2.00 *	2.60 *	3.33 *	4.32 *	5.72 *	6.32 *	9.94 *	13.84 *	11.25 *
<b>5</b>	1.85 *	1.93 *	2.51 *	3.20 *	4.06 *	5.30 *	5.86 *	9.30 *	13.17 *	10.92 *
<b>3</b>	1.81 *	1.88 *	2.44 *	3.08 *	3.82 *	4.93 *	5.46 *	8.74 *	12.52 *	10.58 *
<b>1</b>	0.89 *	0.92 *	1.20 *	1.50 *	1.83 *	2.34 *	2.59 *	4.17 *	6.03 *	5.16 *
<b>0</b>	0.89 *	0.92 *	1.19 *	1.47 *	1.78 *	2.27 *	2.50 *	4.05 *	5.90 *	5.09 *
<b>-1</b>	1.76 *	1.81 *	2.35 *	2.88 *	3.45 *	4.33 *	4.77 *	7.81 *	11.48 *	10.00 *
<b>-3</b>	1.72 *	1.77 *	2.29 *	2.78 *	3.30 *	4.09 *	4.48 *	7.43 *	11.08 *	9.76 *
<b>-5</b>	1.67 *	1.72 *	2.20 *	2.67 *	3.18 *	3.92 *	4.26 *	7.10 *	10.70 *	9.51 *
<b>-7</b>	1.60 *	1.68 *	2.13 *	2.56 *	3.08 *	3.79 *	4.10 *	6.84 *	10.35 *	9.25 *
<b>-9</b>	1.54 *	1.63 *	2.06 *	2.48 *	2.99 *	3.66 *	3.94 *	6.64 *	10.05 *	9.01 *
<b>-11</b>	1.49 *	1.60 *	2.01 *	2.43 *	2.94 *	3.55 *	3.79 *	6.45 *	9.81 *	8.79 *
<b>-13</b>	1.49 *	1.59 *	1.97 *	2.39 *	2.92 *	3.47 *	3.66 *	6.27 *	9.61 *	8.60 *
<b>-15</b>	1.50 *	1.59 *	1.96 *	2.38 *	2.92 *	3.45 *	3.56 *	6.09 *	9.43 *	8.42 *
<b>-17</b>	1.92 *	2.00 *	2.47 *	3.02 *	3.68 *	4.33 *	4.41 *	7.47 *	11.54 *	10.27 *
<b>-19.5</b>	2.38 *	2.48 *	3.09 *	3.76 *	4.55 *	5.23 *	5.33 *	8.90 *	13.53 *	11.99 *
<b>-22.5</b>	2.52 *	2.67 *	3.29 *	3.96 *	4.71 *	5.28 *	5.41 *	8.99 *	13.33 *	11.65 *

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	3.26 *	3.40 *	4.12 *	4.92 *	5.68 *	6.27 *	6.51 *	10.78 *	15.50 *	13.18 *
<b>-29</b>	4.19 *	4.30 *	5.15 *	6.01 *	6.70 *	7.46 *	7.83 *	12.75 *	17.68 *	14.54 *
<b>-33</b>	5.37 *	5.39 *	6.28 *	7.08 *	7.90 *	9.01 *	9.44 *	14.97 *	19.94 *	15.61 *
<b>-37.5</b>	6.58 *	6.50 *	7.48 *	8.49 *	9.66 *	11.06 *	11.45 *	17.54 *	22.45 *	16.39 *
<b>-42.5</b>	7.29 *	7.22 *	8.40 *	9.65 *	11.00 *	12.48 *	12.63 *	18.63 *	22.92 *	15.38 *
<b>-47.5</b>	13.27 *	13.22 *	15.37 *	17.55 *	19.76 *	21.72 *	21.08 *	30.10 *	34.71 *	20.51 *
<b>-55</b>	22.47 *	22.33 *	25.85 *	29.23 *	32.12 *	34.01 *	31.72 *	42.34 *	41.79 *	20.58 *
<b>-65</b>	25.77 *	25.08 *	28.26 *	30.81 *	32.14 *	31.92 *	27.69 *	33.06 *	27.63 *	12.18 *
<b>-75</b>	15.63 *	14.99 *	16.52 *	17.45 *	17.49 *	16.50 *	13.45 *	14.93 *	12.24	6.30
<b>-85</b>	1.84	1.77	1.98	2.14	2.25	2.31	2.10	2.74	2.86	1.96
<b>-90</b>										
<b>Total</b>	242.56	248.26	299.94	358.37	426.63	506.67	538.90	852.72	1060.89	684.05

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			<b>Total</b>
	<b>75</b>	<b>85</b>	<b>90</b>	
<b>90</b>				
	1.32	0.14		46.93
<b>85</b>	3.57	0.30		259.58
<b>75</b>	5.43 *	0.32		444.47
<b>65</b>	8.48 *	0.35		499.88
<b>55</b>	8.88 *	0.29		387.79
<b>47.5</b>	7.10 *	0.20		265.33
<b>42.5</b>	7.88 *	0.21		272.06
<b>37.5</b>	7.65 *	0.20		249.88
<b>33</b>	7.09 *	0.18		224.50
<b>29</b>	6.33 *	0.16		196.20
<b>25.5</b>	5.48 *	0.14		166.13
<b>22.5</b>	5.50 *	0.14		160.87
<b>19.5</b>	4.58 *	0.12		128.01
<b>17</b>	3.65 *	0.09		97.70
<b>15</b>	3.62 *	0.09		93.01

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**LUMENS TABULATION - (Cont.)**

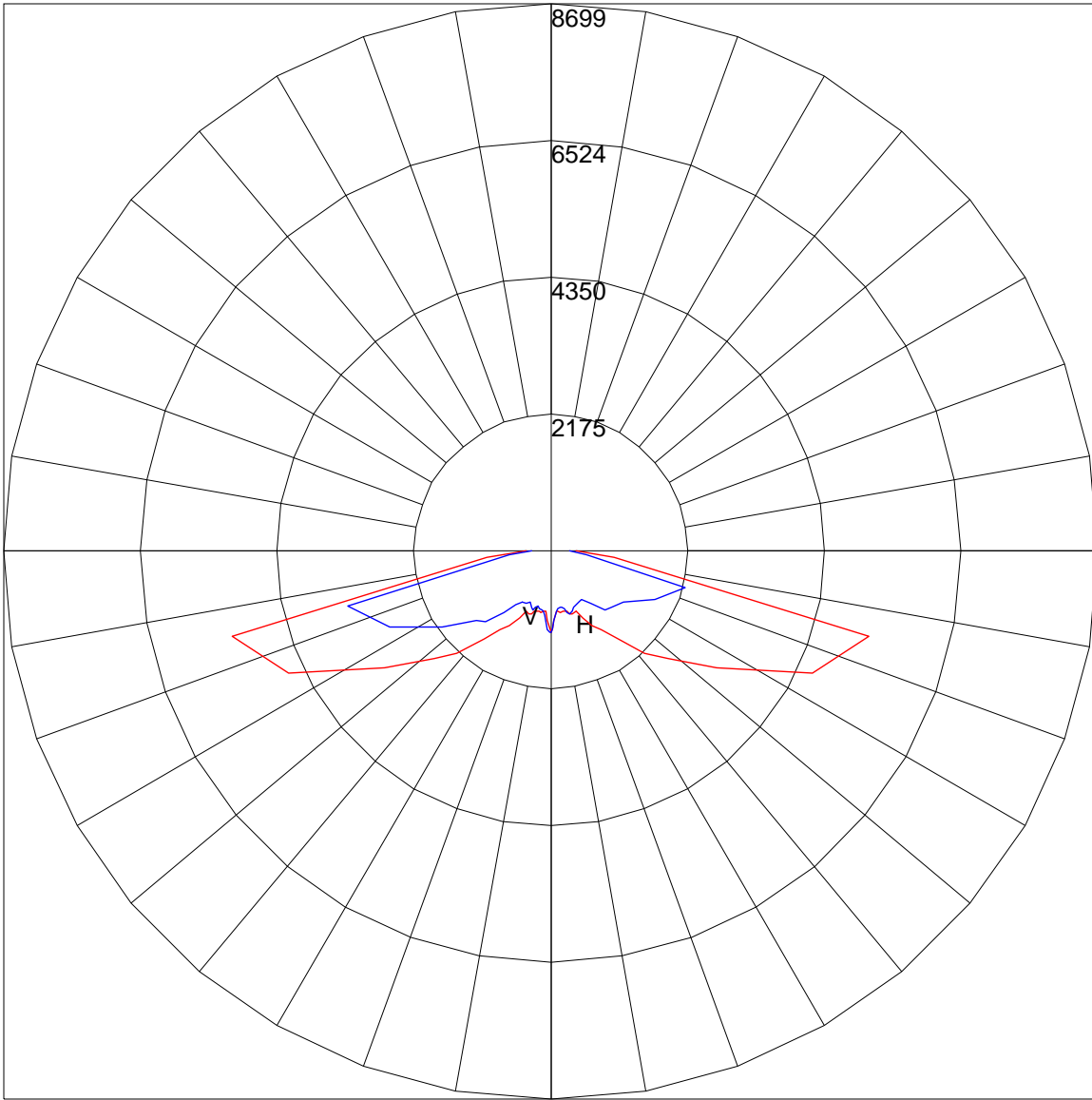
<b>13</b>	3.59 *	0.09	88.34
<b>11</b>	3.56 *	0.09	83.90
<b>9</b>	3.52 *	0.09	79.81
<b>7</b>	3.47 *	0.09	76.24
<b>5</b>	3.42 *	0.09	73.27
<b>3</b>	3.36 *	0.09	70.62
<b>1</b>	1.66 *	0.05	34.34
<b>0</b>	1.65 *	0.05	33.76
<b>-1</b>	3.25 *	0.09	65.91
<b>-3</b>	3.20 *	0.09	63.61
<b>-5</b>	3.15 *	0.09	61.46
<b>-7</b>	3.09 *	0.09	59.65
<b>-9</b>	3.03 *	0.09	58.01
<b>-11</b>	2.96 *	0.09	56.63
<b>-13</b>	2.89 *	0.09	55.63
<b>-15</b>	2.83 *	0.09	54.91
<b>-17</b>	3.44 *	0.11	67.96
<b>-19.5</b>	4.01 *	0.13	81.23
<b>-22.5</b>	3.88 *	0.13	82.20
<b>-25.5</b>	4.37 *	0.15	98.08
<b>-29</b>	4.77 *	0.16	116.45
<b>-33</b>	5.01 *	0.18	138.85
<b>-37.5</b>	5.03 *	0.19	165.15
<b>-42.5</b>	4.44 *	0.18	177.64
<b>-47.5</b>	5.48 *	0.26	297.56
<b>-55</b>	5.28 *	0.32	454.34
<b>-65</b>	3.59	0.30	455.81
<b>-75</b>	2.56	0.28	260.29

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : ITL50864.IES**

**LUMENS TABULATION - (Cont.)**

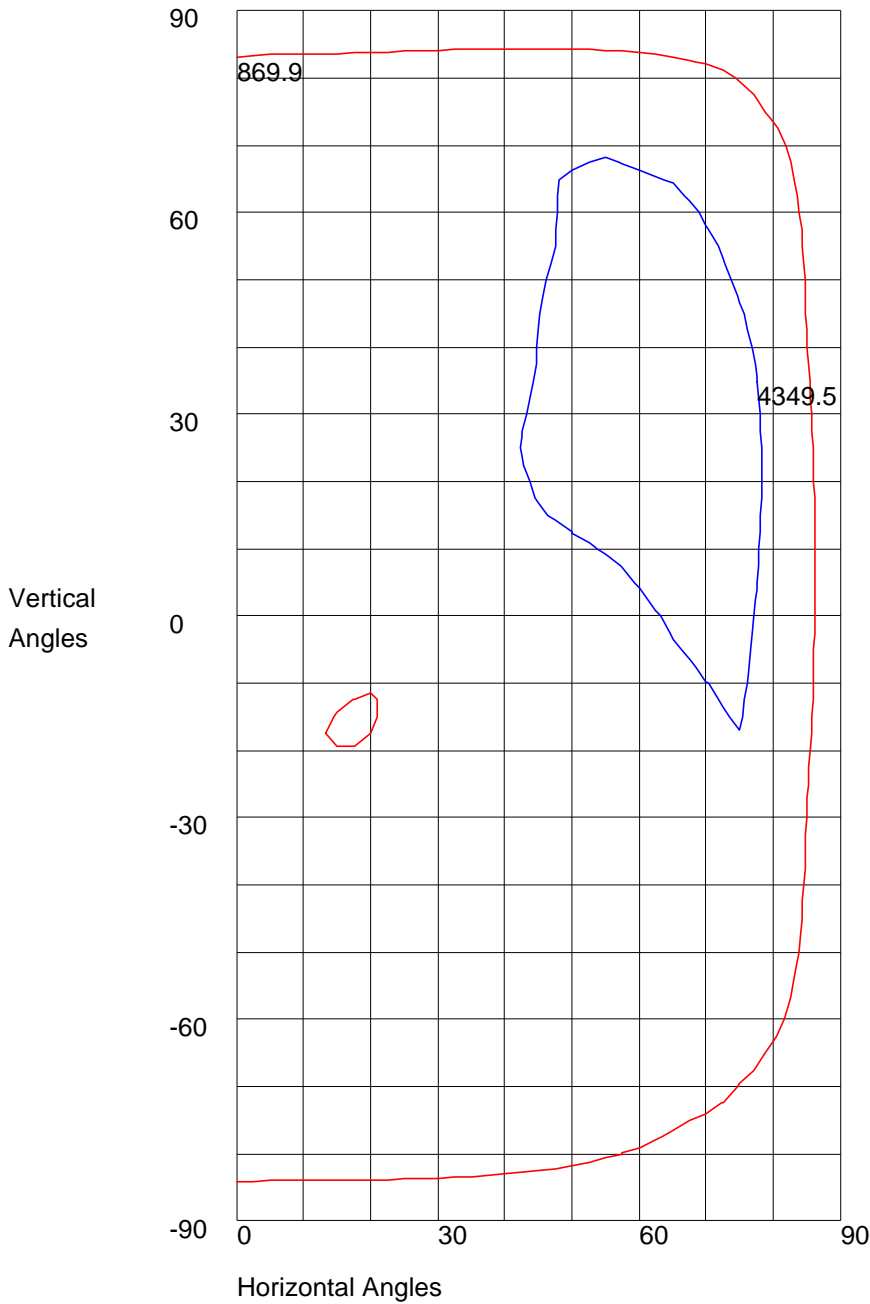
<b>-85</b>	1.02	0.13	36.18
<b>-90</b>			
<b>Total</b>	188.08	6.84	6940.16

AXIAL CANDELA DISPLAY



Maximum Candela = 8699 Located At Horizontal Angle = -65, Vertical Angle = 33  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 8699 Located At Horizontal Angle = -65, Vertical Angle = 33  
50% Maximum Candela = 4349.5  
10% Maximum Candela = 869.9