



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]1410211019-002-001-P1
[TESTLAB]Intertek
[ISSUE DATE]10/27/2014
[MANUFACTURER]LAMAR LIGHTING CO., INC.
[LUMEN CATEGORY]MCNL48HFA30
[MORE]HIGH POWER SETTING (OUTPUT 1141MA)
[LUMINAIRE]SURFACE MOUNT
[LAMP]LED
[LAMP CATEGORY]NA. LUMINAIRE OUTPUT = 4234 LMS
[OTHER]120.03 VAC, 417.8 mA, 50 W, 0.9918 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4234
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.04
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.54 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9986	7024	3369
55	12005	7624	2684
65	15221	8472	1996
75	22060	10215	1396
85	51815	16686	537

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	1008.403	1008.118	1007.833	1007.549	1007.268	1006.988	1006.712	1004.714	1003.922	1003.069
5.0	1044.442	1043.904	1043.368	1042.835	1042.305	1039.891	1038.544	1037.056	1035.431	1033.672
7.5	1082.360	1081.571	1080.784	1080.002	1077.215	1075.320	1073.189	1070.827	1068.241	1065.436
10.0	1117.715	1116.745	1115.778	1113.317	1111.196	1108.751	1105.988	1102.914	1099.536	1095.862
12.5	1153.754	1152.554	1151.360	1148.151	1145.408	1142.177	1138.653	1134.664	1130.285	1125.531
15.0	1188.085	1186.662	1185.245	1181.361	1178.049	1174.218	1169.884	1165.063	1159.774	1154.038
17.5	1219.341	1217.773	1214.944	1211.805	1208.046	1203.682	1198.726	1193.199	1187.124	1180.529
20.0	1251.964	1250.108	1246.633	1242.780	1238.167	1232.823	1226.781	1220.082	1212.747	1204.879
22.5	1282.708	1280.488	1276.368	1271.880	1266.504	1260.316	1253.368	1245.715	1237.415	1228.131
25.0	1307.816	1305.289	1300.857	1295.996	1290.265	1283.717	1276.412	1268.412	1259.154	1248.924
27.5	1331.044	1327.935	1322.687	1317.029	1310.501	1303.199	1295.222	1286.962	1277.730	1267.482
30.0	1350.003	1346.936	1341.507	1335.466	1328.253	1319.931	1312.710	1304.337	1294.734	1283.899
32.5	1369.304	1365.417	1358.736	1351.671	1343.887	1338.134	1330.307	1320.885	1311.059	1297.769
35.0	1385.017	1379.539	1372.634	1364.881	1360.795	1354.674	1346.020	1335.880	1323.570	1309.745
37.5	1398.169	1391.273	1382.940	1380.334	1376.641	1369.400	1359.429	1346.258	1333.450	1316.342
40.0	1408.588	1398.870	1395.891	1393.732	1386.264	1376.864	1364.924	1352.067	1336.957	1319.925
42.5	1412.687	1406.170	1404.877	1396.734	1388.019	1378.533	1367.839	1355.250	1339.634	1322.065
45.0	1411.150	1409.634	1406.181	1400.855	1392.990	1382.911	1371.111	1357.327	1340.406	1321.531
47.5	1412.687	1407.213	1403.321	1394.376	1387.709	1378.320	1366.670	1352.892	1336.043	1316.308
50.0	1408.588	1397.029	1396.707	1391.445	1380.858	1368.950	1356.672	1342.030	1324.942	1304.958
52.5	1398.169	1389.186	1383.048	1380.502	1372.840	1360.064	1345.165	1329.826	1309.561	1288.721
55.0	1385.017	1377.192	1367.432	1363.951	1358.321	1345.966	1331.162	1313.250	1292.519	1268.812
57.5	1369.304	1362.053	1352.801	1345.538	1338.197	1327.496	1313.381	1295.044	1274.067	1249.416
60.0	1350.003	1343.648	1335.117	1325.333	1317.160	1306.344	1292.316	1274.199	1252.155	1227.462
62.5	1331.044	1324.021	1315.051	1304.347	1295.004	1283.545	1268.240	1250.297	1227.629	1203.530
65.0	1307.816	1301.359	1292.872	1282.432	1271.090	1258.404	1241.808	1222.694	1200.231	1174.232
67.5	1282.708	1277.360	1267.492	1256.665	1243.996	1229.857	1212.656	1192.550	1169.699	1143.417
70.0	1251.964	1246.868	1237.318	1226.764	1214.191	1199.227	1181.517	1160.897	1137.672	1111.155
72.5	1219.341	1214.371	1205.312	1195.183	1182.981	1167.957	1149.594	1128.259	1104.472	1077.867
75.0	1188.085	1182.776	1173.336	1162.880	1150.419	1135.534	1117.553	1094.563	1070.329	1043.323
77.5	1153.754	1148.346	1138.862	1128.373	1115.894	1101.484	1082.133	1059.617	1034.603	1007.260
80.0	1117.715	1112.214	1102.844	1092.418	1079.947	1065.423	1046.468	1023.660	998.757	971.868
82.5	1082.360	1076.369	1066.521	1055.698	1042.951	1028.312	1010.452	987.795	963.277	936.903
85.0	1044.442	1038.300	1028.617	1017.981	1005.487	991.128	974.762	952.437	928.348	902.256
87.5	1008.403	1001.868	992.038	981.354	968.991	954.957	939.272	918.338	894.002	868.045
90.0	972.877	966.145	956.242	945.515	933.164	919.191	903.612	885.447	860.020	834.220
92.5	937.180	930.241	920.277	909.556	897.328	883.611	868.432	850.709	826.877	801.307
95.0	901.312	894.331	884.462	873.899	861.941	848.621	833.979	818.058	794.847	769.330
97.5	865.273	858.422	848.832	838.593	827.044	814.222	800.167	784.925	763.818	738.256
100.0	829.576	822.916	813.615	803.707	792.566	780.237	766.768	752.213	733.295	706.886
102.5	793.537	787.190	778.242	768.642	757.745	745.560	732.105	717.400	701.178	675.032
105.0	757.327	750.979	742.136	732.681	721.999	710.108	697.029	682.788	667.399	643.758
107.5	721.118	714.856	706.134	696.820	686.320	674.655	661.856	647.953	634.443	612.274
110.0	683.883	678.019	669.260	660.127	649.807	638.326	625.715	612.004	597.363	580.215
112.5	645.112	639.250	631.032	622.242	612.304	601.237	589.061	575.801	561.485	546.331
115.0	606.852	601.143	593.212	584.741	575.185	564.561	552.886	540.184	526.477	511.995
117.5	569.447	563.888	556.201	548.011	538.805	528.605	517.440	505.337	492.328	478.576
120.0	532.042	526.752	519.427	511.631	502.877	493.193	482.610	471.160	458.877	445.842
122.5	494.808	489.858	482.959	475.610	467.347	458.197	448.191	437.360	425.736	413.385
125.0	457.744	453.151	446.707	439.834	432.089	423.498	414.088	403.888	392.928	382.021
127.5	421.193	416.942	410.904	404.456	397.171	389.077	380.200	370.571	360.219	349.175
130.0	384.471	380.590	375.013	369.050	362.300	354.791	346.552	337.614	328.007	317.763
132.5	348.090	344.618	339.528	334.076	327.879	320.967	313.371	305.121	296.248	286.784

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

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135.0	311.881	308.849	304.304	299.409	293.804	287.510	280.548	272.942	264.716	255.893
137.5	276.696	274.002	269.886	265.540	260.316	254.540	248.263	241.093	233.464	225.305
140.0	242.194	239.794	237.397	232.126	227.522	222.311	216.507	210.122	203.169	195.664
142.5	209.742	207.552	205.363	200.619	196.472	191.789	186.583	180.866	174.652	167.955
145.0	179.340	177.373	175.407	171.187	167.503	163.360	158.771	153.751	148.317	142.482
147.5	150.816	149.135	147.455	143.878	140.756	137.250	133.373	129.139	124.561	119.653
150.0	125.367	123.962	122.653	119.583	116.981	114.059	110.826	107.292	103.467	99.362
152.5	102.992	101.816	100.641	98.195	96.048	93.641	90.978	88.068	84.919	81.539
155.0	83.692	82.702	81.713	79.702	77.935	75.959	73.782	71.409	68.848	66.108
157.5	66.954	66.144	65.335	63.715	62.292	60.707	58.966	57.076	55.044	52.874
160.0	52.436	51.813	51.191	49.935	48.833	47.605	46.257	44.794	43.220	41.542
162.5	39.967	39.510	39.054	38.154	37.322	36.416	35.446	34.328	33.152	31.906
165.0	29.890	29.538	29.187	28.490	27.876	27.193	26.443	25.627	24.749	23.811
167.5	21.350	21.102	20.854	20.606	19.962	19.463	18.941	18.374	17.790	17.113
170.0	14.518	14.353	14.188	14.024	13.574	13.253	12.900	12.517	12.104	11.662
172.5	8.882	8.782	8.682	8.583	8.309	8.115	7.902	7.671	7.422	7.156
175.0	4.441	4.396	4.350	4.305	4.260	4.073	3.968	3.854	3.731	3.601
177.5	1.025	1.018	1.012	1.005	0.998	0.992	0.985	0.935	0.916	0.895
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	1002.155	1001.182	1000.154	999.071	997.936	996.751	995.519	994.185	992.924	991.566
5.0	1031.784	1029.769	1027.633	1025.380	1023.016	1020.545	1017.974	1015.308	1012.553	1009.715
7.5	1062.421	1059.202	1055.787	1052.187	1048.409	1044.463	1040.359	1036.108	1031.720	1027.327
10.0	1091.902	1087.666	1083.167	1078.417	1073.428	1068.216	1062.600	1056.759	1050.739	1044.555
12.5	1120.417	1114.962	1109.183	1103.100	1096.657	1089.921	1082.918	1075.668	1068.195	1060.520
15.0	1147.878	1141.318	1134.245	1126.662	1118.738	1110.501	1101.979	1093.149	1083.892	1074.401
17.5	1173.441	1165.567	1157.134	1148.296	1139.087	1129.918	1119.258	1108.715	1097.926	1086.709
20.0	1196.416	1187.404	1177.894	1167.932	1157.108	1145.333	1133.162	1121.638	1107.294	1093.740
22.5	1218.192	1207.625	1196.380	1184.298	1171.607	1158.404	1144.302	1129.665	1114.726	1099.064
25.0	1238.035	1227.046	1213.235	1199.437	1184.976	1169.578	1153.714	1137.099	1119.896	1103.592
27.5	1256.132	1242.638	1228.452	1213.063	1196.477	1180.840	1161.065	1142.437	1122.998	1103.147
30.0	1270.858	1256.931	1241.088	1224.180	1205.993	1186.554	1166.356	1145.216	1123.655	1101.549
32.5	1284.175	1268.216	1251.252	1232.143	1212.405	1190.728	1168.622	1145.073	1121.342	1096.713
35.0	1293.311	1276.069	1256.581	1236.213	1214.430	1191.364	1167.153	1141.679	1115.864	1088.730
37.5	1299.025	1279.710	1258.780	1236.951	1213.101	1188.434	1162.248	1134.781	1108.283	1077.304
40.0	1301.634	1279.841	1257.296	1233.566	1208.071	1181.634	1153.564	1124.122	1093.865	1062.174
42.5	1302.306	1279.722	1255.823	1230.614	1203.209	1174.568	1144.669	1112.380	1078.986	1044.424
45.0	1300.723	1277.206	1251.960	1225.262	1196.546	1165.984	1134.140	1100.576	1064.997	1028.613
47.5	1294.478	1270.679	1243.884	1215.461	1185.541	1153.407	1119.529	1084.312	1047.289	1009.101
50.0	1282.251	1257.711	1231.869	1201.416	1169.677	1136.455	1101.078	1063.744	1025.387	986.148
52.5	1265.958	1240.352	1212.550	1182.673	1150.202	1115.062	1077.940	1039.610	999.685	959.212
55.0	1244.915	1219.131	1191.139	1159.918	1126.558	1091.062	1052.438	1012.239	970.700	928.943
57.5	1222.509	1194.604	1165.356	1133.895	1099.770	1062.622	1023.714	983.198	940.889	897.723
60.0	1200.156	1169.443	1136.690	1104.229	1068.866	1031.497	992.068	951.073	908.961	865.878
62.5	1174.082	1143.099	1109.083	1071.608	1035.215	997.282	957.827	917.083	875.131	832.398
65.0	1145.347	1113.946	1078.982	1041.320	1000.498	960.872	921.793	881.307	839.869	797.647
67.5	1114.425	1082.324	1047.304	1009.379	968.552	925.738	884.151	844.303	803.459	761.853
70.0	1082.067	1049.623	1014.474	976.080	935.765	893.427	849.145	806.305	766.099	725.294
72.5	1048.767	1015.774	980.038	942.480	904.638	861.093	817.288	771.572	728.028	688.232
75.0	1013.340	980.911	946.173	909.217	870.126	828.716	786.818	740.316	694.034	651.220
77.5	978.056	948.052	913.018	876.439	837.377	796.425	753.745	709.656	664.383	618.933
80.0	943.319	913.236	880.144	843.469	805.083	765.247	722.777	679.599	635.738	591.200

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

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82.5	908.712	878.525	846.616	811.493	773.362	733.432	692.869	650.243	607.760	563.433
85.0	874.292	844.611	813.155	779.603	741.804	702.812	662.505	621.135	578.754	535.388
87.5	840.341	810.815	779.651	746.614	710.853	672.329	632.608	591.829	549.977	507.164
90.0	806.647	777.547	746.655	713.991	679.497	641.745	602.611	562.325	520.993	479.261
92.5	773.992	745.295	714.277	681.775	647.516	611.050	572.378	532.902	492.672	451.727
95.0	742.075	713.195	682.577	650.078	615.722	579.952	542.649	504.017	464.569	424.583
97.5	711.013	681.760	650.694	619.296	584.561	549.594	513.185	475.207	437.050	399.526
100.0	678.987	649.720	619.224	587.331	554.045	519.416	483.801	447.193	410.348	373.201
102.5	647.512	618.611	588.319	556.684	523.836	489.944	455.347	420.517	385.102	349.807
105.0	616.354	587.632	557.531	526.313	494.222	461.599	428.267	395.106	361.973	327.848
107.5	584.889	556.372	526.972	496.712	465.674	434.476	402.979	370.993	339.069	307.027
110.0	553.389	526.029	497.166	468.119	438.347	408.567	378.330	347.969	317.498	287.721
112.5	522.437	495.695	468.355	440.630	412.290	383.721	354.850	325.769	296.981	268.150
115.0	492.360	466.795	440.606	414.100	387.035	359.675	332.267	304.567	277.512	250.420
117.5	463.160	438.720	413.642	388.294	362.516	336.429	310.543	284.508	258.785	233.272
120.0	432.125	411.133	387.211	363.045	338.624	313.937	289.388	264.809	240.469	216.576
122.5	400.403	383.812	361.130	338.174	315.042	291.715	268.557	245.544	222.585	200.102
125.0	368.921	355.960	335.070	313.406	291.752	269.937	248.133	226.528	204.935	183.790
127.5	337.667	325.591	309.382	289.772	268.817	248.397	228.365	207.595	187.409	167.570
130.0	307.035	295.810	284.128	265.046	245.945	226.767	207.553	188.581	169.825	152.131
132.5	276.784	266.251	255.186	240.564	222.985	204.890	187.058	169.558	152.319	135.381
135.0	246.529	236.672	226.289	215.403	199.237	182.934	166.660	151.004	135.266	120.225
137.5	217.412	207.484	197.917	187.842	175.864	161.402	146.997	132.993	119.150	106.159
140.0	187.622	179.484	170.932	161.941	152.527	141.042	128.612	116.259	104.308	93.280
142.5	160.788	153.520	146.065	138.265	130.138	121.934	111.760	101.577	90.965	81.409
145.0	136.264	129.905	123.609	117.032	110.191	103.100	96.369	87.484	78.925	70.276
147.5	114.429	109.208	103.638	98.093	92.316	86.336	80.400	74.670	67.334	60.084
150.0	94.988	90.357	85.837	81.239	76.442	71.456	66.290	61.598	56.816	51.115
152.5	77.935	74.115	70.247	66.505	62.612	58.656	54.402	50.352	46.592	42.763
155.0	63.188	60.104	56.859	53.848	50.770	47.594	44.325	40.970	37.896	34.881
157.5	50.576	48.153	45.614	43.092	40.680	38.208	35.637	33.018	30.393	27.928
160.0	39.764	37.891	35.930	33.885	31.965	30.031	28.030	25.967	23.843	21.916
162.5	30.550	29.130	27.635	26.068	24.482	22.991	21.495	19.959	18.385	16.775
165.0	22.816	21.766	20.664	19.513	18.315	17.180	16.031	14.938	13.819	12.676
167.5	16.423	15.695	14.932	14.135	13.305	12.445	11.556	10.764	9.966	9.151
170.0	11.194	10.699	10.179	9.636	9.070	8.506	7.876	7.249	6.718	6.123
172.5	6.875	6.579	6.269	5.945	5.609	5.261	4.901	4.531	4.152	3.764
175.0	3.461	3.315	3.161	3.001	2.835	2.664	2.487	2.305	2.119	1.929
177.5	0.873	0.850	0.825	0.800	0.773	0.745	0.716	0.687	0.656	0.626
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	990.171	988.743	987.284	985.798	984.286	982.753	981.202	979.635	978.055	976.467
5.0	1006.801	1003.818	1000.771	997.668	994.571	991.441	988.277	985.087	981.877	978.653
7.5	1022.832	1018.233	1013.542	1008.768	1003.925	998.976	994.073	990.244	984.231	979.333
10.0	1038.223	1031.753	1025.180	1018.631	1012.024	1005.346	998.615	991.847	985.056	978.415
12.5	1052.428	1044.164	1035.769	1027.265	1018.673	1010.139	1001.420	992.978	984.371	976.984
15.0	1064.707	1054.838	1044.616	1034.241	1023.784	1013.268	1002.806	992.351	981.905	971.491
17.5	1074.608	1062.335	1049.932	1037.324	1024.606	1011.888	999.221	986.722	974.311	962.021
20.0	1079.994	1065.558	1050.945	1036.263	1021.498	1006.758	992.091	977.670	963.399	949.424
22.5	1083.139	1066.997	1050.085	1032.981	1016.253	999.490	982.848	966.526	950.424	934.587
25.0	1084.256	1065.994	1047.062	1027.807	1008.706	989.942	971.357	953.202	935.320	917.737
27.5	1083.046	1062.543	1041.595	1020.016	998.710	977.993	958.887	937.634	918.039	898.669

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

30.0	1079.217	1056.415	1033.412	1009.422	986.143	963.550	941.375	919.778	898.461	877.325
32.5	1071.982	1046.751	1021.273	995.225	969.835	945.184	921.204	897.886	874.871	852.354
35.0	1061.564	1033.910	1005.995	977.875	950.531	923.832	897.976	872.717	847.852	823.855
37.5	1047.667	1017.709	987.438	957.408	928.138	899.596	871.883	844.733	818.251	792.967
40.0	1030.044	999.610	965.515	933.705	902.568	872.302	842.833	814.030	785.862	759.578
42.5	1008.537	974.216	940.189	906.594	873.796	841.906	810.628	780.665	751.702	724.026
45.0	991.419	953.879	916.494	879.278	842.542	808.404	775.988	744.736	714.750	686.405
47.5	970.561	931.806	893.068	854.760	816.950	779.719	743.105	707.107	675.920	647.197
50.0	946.166	906.291	868.359	827.407	788.801	750.793	713.581	677.594	642.712	609.491
52.5	918.464	877.658	837.275	797.432	758.246	719.912	682.462	646.346	611.796	578.297
55.0	887.390	846.107	805.218	765.107	725.755	687.188	650.069	614.205	579.332	545.972
57.5	853.837	811.817	770.926	730.744	691.386	653.388	616.433	581.511	546.148	512.506
60.0	822.157	778.170	734.491	694.718	655.971	618.175	581.545	546.229	511.686	477.985
62.5	789.119	745.535	702.250	659.306	619.103	581.925	545.859	510.700	476.397	443.091
65.0	754.910	712.133	669.516	627.207	585.550	544.765	509.081	474.415	440.711	407.708
67.5	719.911	677.918	636.224	595.053	554.033	515.183	472.963	437.824	404.597	372.205
70.0	684.239	643.396	602.969	562.563	522.260	482.285	442.674	403.594	368.535	336.867
72.5	648.470	609.061	569.521	529.969	490.465	451.104	412.088	373.897	336.360	301.563
75.0	613.116	574.689	536.079	497.261	458.377	419.639	381.585	344.099	307.217	271.417
77.5	577.878	540.785	502.450	464.250	426.000	388.254	351.011	314.280	278.554	244.069
80.0	545.949	505.826	468.495	430.938	393.672	356.871	320.485	284.980	250.616	217.249
82.5	518.678	473.191	434.226	397.613	361.465	325.622	290.486	256.426	223.278	191.326
85.0	491.198	446.864	401.066	364.588	329.488	294.866	261.303	228.562	196.894	167.905
87.5	463.803	420.823	375.833	331.914	297.925	265.057	232.928	201.666	172.956	145.823
90.0	436.760	393.928	351.115	308.203	267.506	236.206	205.636	177.225	150.365	124.905
92.5	410.119	368.677	327.094	285.860	245.528	208.586	180.561	154.143	128.985	105.207
95.0	384.356	344.300	304.096	265.063	226.410	188.736	156.999	132.401	109.236	87.624
97.5	359.702	321.116	283.054	245.709	209.242	173.615	139.689	112.576	91.871	72.012
100.0	336.396	299.499	263.483	227.781	193.138	160.050	128.147	98.706	76.480	58.579
102.5	314.532	279.600	245.227	211.404	179.103	147.921	118.520	91.018	65.122	47.828
105.0	294.072	260.947	228.205	196.670	166.377	137.140	110.015	84.323	60.965	40.355
107.5	274.799	243.533	212.583	183.333	154.752	127.776	102.853	78.713	57.828	38.894
110.0	256.910	227.330	198.606	170.918	144.105	119.238	95.602	74.278	54.971	37.675
112.5	240.130	212.173	185.313	159.177	134.523	111.628	89.480	69.987	52.161	36.904
115.0	223.996	197.746	172.550	148.068	125.166	103.356	83.706	65.640	49.579	35.929
117.5	208.248	183.799	159.987	137.208	115.831	95.882	77.768	61.076	46.987	34.563
120.0	192.903	169.859	147.196	126.321	106.425	88.291	71.565	56.835	43.961	32.844
122.5	177.747	156.181	135.083	115.225	96.946	80.440	65.221	52.167	40.447	30.959
125.0	162.973	142.732	123.224	104.497	87.395	72.298	58.939	47.170	37.101	28.741
127.5	148.418	129.331	111.540	94.234	78.518	64.030	52.596	42.100	33.735	26.255
130.0	133.645	116.335	100.150	84.739	70.532	57.605	46.365	37.700	30.114	23.627
132.5	119.369	103.964	89.285	75.998	63.417	52.269	41.848	33.023	26.199	20.798
135.0	105.778	92.470	79.514	67.994	57.133	47.214	38.180	30.017	22.944	17.745
137.5	93.402	81.930	70.939	60.594	51.422	42.220	34.581	27.367	21.222	15.614
140.0	82.467	72.230	62.774	53.610	45.504	37.911	31.014	24.929	19.309	14.549
142.5	72.157	63.104	55.031	47.311	40.052	33.705	27.628	22.402	17.575	13.443
145.0	62.507	54.906	47.867	41.357	35.165	29.644	24.630	20.094	15.982	12.296
147.5	53.572	47.330	41.227	35.810	30.776	25.889	21.764	17.881	14.290	11.153
150.0	45.448	40.463	35.567	30.768	26.704	22.772	19.201	15.713	12.564	9.842
152.5	38.597	34.332	30.410	26.566	22.874	19.570	16.366	13.376	11.027	8.800
155.0	31.823	28.727	25.554	22.356	19.223	16.300	13.886	11.561	9.523	7.712
157.5	25.453	22.928	20.355	18.130	15.910	13.603	11.426	9.702	8.009	6.405
160.0	19.861	17.980	16.073	14.143	12.455	10.877	9.293	7.700	6.348	5.086
162.5	15.212	13.789	12.411	11.018	9.612	8.271	7.088	5.901	4.712	3.595
165.0	11.510	10.324	9.272	8.233	7.202	6.163	5.116	4.240	3.500	2.766
167.5	8.320	7.473	6.613	5.741	5.062	4.409	3.756	3.103	2.451	1.870

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

170.0	5.604	5.078	4.546	4.009	3.467	2.922	2.443	2.098	1.758	1.423
172.5	3.367	3.041	2.755	2.467	2.180	1.892	1.605	1.319	1.033	0.747
175.0	1.735	1.537	1.337	1.133	0.927	0.750	0.679	0.617	0.554	0.492
177.5	0.593	0.560	0.527	0.493	0.458	0.423	0.388	0.352	0.316	0.280
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	974.873	973.276	971.680	970.087	968.500	966.924	966.145	963.799	962.261	960.745
5.0	975.422	972.191	968.967	965.756	962.564	959.400	956.242	953.126	950.052	947.029
7.5	974.434	969.543	964.672	959.828	955.023	950.249	945.515	940.846	936.252	931.741
10.0	971.827	965.263	958.736	952.260	945.897	939.462	933.164	926.965	920.875	914.907
12.5	967.529	959.291	951.116	943.021	934.985	927.026	919.008	911.493	903.945	896.656
15.0	961.480	951.582	941.780	932.346	922.443	912.946	903.612	895.130	885.694	877.012
17.5	950.212	938.625	926.967	916.052	905.083	894.381	885.447	874.103	864.546	855.337
20.0	935.691	922.316	910.059	896.384	883.868	872.406	860.020	848.734	837.850	827.672
22.5	919.148	904.006	889.243	874.860	860.845	847.311	834.220	823.178	809.775	798.426
25.0	900.500	883.654	867.359	851.471	836.025	821.060	806.647	793.047	779.995	767.597
27.5	879.688	861.344	843.549	826.187	809.288	794.671	777.547	762.721	748.599	735.172
30.0	856.765	837.038	817.793	798.912	780.631	762.986	746.655	730.713	715.503	701.109
32.5	830.878	810.208	789.658	769.664	750.359	731.820	713.991	696.931	680.751	665.450
35.0	800.910	778.679	757.127	736.583	716.935	697.978	679.497	661.451	644.324	627.960
37.5	768.567	745.056	722.553	701.172	680.591	660.770	641.745	623.501	605.964	588.915
40.0	734.069	709.540	686.444	664.221	642.878	622.342	602.611	583.629	565.418	548.545
42.5	697.511	672.640	648.756	625.932	603.916	582.724	562.325	542.713	524.502	507.159
45.0	659.617	634.832	609.811	586.362	563.752	541.971	520.993	501.429	482.780	465.157
47.5	620.085	594.366	569.549	545.582	522.465	500.167	479.261	459.344	440.544	422.954
50.0	579.421	553.322	528.074	503.680	480.129	457.909	436.760	416.833	398.212	380.620
52.5	545.884	514.147	485.464	460.740	437.264	414.917	393.928	374.300	356.929	339.163
55.0	513.224	481.092	449.615	418.933	393.686	371.711	351.115	331.652	314.125	298.106
57.5	479.501	447.307	415.858	385.104	355.606	328.538	308.203	289.788	273.026	257.720
60.0	445.209	413.109	381.674	351.521	322.363	294.115	267.506	248.557	233.009	219.084
62.5	410.468	378.510	347.810	318.028	290.818	261.981	236.206	213.142	193.969	181.535
65.0	375.455	344.273	313.979	284.807	256.849	230.628	205.636	183.152	162.163	146.229
67.5	340.696	310.020	280.300	252.248	225.456	201.443	177.225	156.034	136.147	118.705
70.0	305.949	276.046	247.687	220.528	195.515	171.710	150.365	130.346	112.275	96.244
72.5	271.618	243.083	215.678	189.531	166.455	145.017	124.802	106.267	89.721	74.976
75.0	238.250	210.734	184.434	161.312	139.854	119.722	100.584	83.532	68.375	55.762
77.5	210.658	179.228	156.128	134.740	114.686	95.122	77.594	62.036	49.126	39.345
80.0	185.137	156.134	129.545	109.678	89.767	71.817	55.882	42.731	33.052	25.531
82.5	162.242	135.087	109.727	84.324	66.096	49.828	36.494	26.930	19.824	14.932
85.0	140.678	115.161	89.988	66.129	43.767	30.334	20.907	14.222	9.998	9.130
87.5	120.261	95.473	71.991	49.888	30.348	14.915	8.669	5.151	5.494	5.109
90.0	100.584	77.594	55.882	36.494	20.907	8.669	0.342	1.895	2.546	2.517
92.5	82.861	61.628	42.455	26.810	14.189	5.145	1.895	0.001	0.836	1.086
95.0	67.034	48.284	32.541	19.629	9.944	5.479	2.546	0.841	0.004	0.332
97.5	53.443	38.013	24.915	14.733	9.026	5.081	2.517	1.095	0.343	0.005
100.0	43.140	29.959	19.201	12.481	7.577	4.181	2.188	1.020	0.364	0.068
102.5	34.661	23.525	15.762	9.985	5.812	3.265	1.697	0.728	0.203	0.042
105.0	27.483	18.761	12.235	7.372	4.300	2.374	1.090	0.344	0.086	0.000
107.5	22.485	14.243	8.815	5.255	2.994	1.442	0.483	0.131	0.000	0.000
110.0	23.285	11.123	6.075	3.566	1.769	0.611	0.176	0.000	0.000	0.000
112.5	23.901	13.167	5.132	2.052	0.711	0.216	0.000	0.000	0.000	0.000
115.0	24.205	15.040	7.671	1.972	0.244	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

117.5	24.344	16.058	9.416	4.863	1.289	0.000	0.000	0.000	0.000	0.000
120.0	23.881	16.380	10.824	6.550	3.420	1.241	0.000	0.000	0.000	0.000
122.5	22.900	16.545	11.542	7.670	4.719	2.568	1.071	0.129	0.000	0.000
125.0	21.708	16.146	11.532	8.025	5.282	3.206	1.758	0.805	0.218	0.000
127.5	20.224	15.121	11.066	7.836	5.243	3.349	1.936	1.013	0.428	0.107
130.0	18.250	13.733	10.148	7.203	4.844	3.056	1.807	0.927	0.326	0.108
132.5	16.030	12.128	8.796	6.177	4.095	2.560	1.423	0.559	0.223	0.040
135.0	13.678	10.175	7.275	5.003	3.224	1.879	0.775	0.346	0.066	0.016
137.5	11.175	8.056	5.726	3.746	2.268	0.988	0.462	0.093	0.029	0.000
140.0	10.286	6.715	4.162	2.512	1.141	0.556	0.118	0.042	0.000	0.000
142.5	9.779	6.580	3.910	1.704	0.607	0.139	0.054	0.000	0.000	0.000
145.0	9.127	6.290	4.044	2.423	1.213	0.534	0.086	0.000	0.000	0.000
147.5	8.190	6.066	4.220	2.856	1.887	1.145	0.646	0.305	0.121	0.026
150.0	7.681	5.674	4.278	3.079	2.124	1.387	0.807	0.450	0.168	0.076
152.5	6.890	5.400	4.030	2.956	2.042	1.280	0.783	0.342	0.174	0.047
155.0	6.137	4.709	3.571	2.512	1.680	1.076	0.516	0.280	0.108	0.000
157.5	5.102	3.899	2.754	1.960	1.284	0.640	0.380	0.175	0.000	0.000
160.0	3.865	2.818	2.076	1.360	0.705	0.458	0.232	0.012	0.000	0.000
162.5	2.799	2.016	1.256	0.739	0.498	0.262	0.030	0.000	0.000	0.000
165.0	2.038	1.369	1.013	0.696	0.396	0.109	0.061	0.036	0.016	0.000
167.5	1.512	1.166	0.829	0.502	0.238	0.179	0.125	0.074	0.024	0.000
170.0	1.093	0.768	0.447	0.346	0.273	0.203	0.134	0.067	0.001	0.000
172.5	0.547	0.472	0.396	0.322	0.249	0.178	0.106	0.036	0.000	0.000
175.0	0.430	0.368	0.307	0.245	0.184	0.122	0.061	0.000	0.000	0.000
177.5	0.243	0.206	0.169	0.131	0.094	0.056	0.019	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	959.254	957.790	956.356	954.955	953.590	952.262	950.975	949.730	948.531	947.378
5.0	944.060	941.152	938.310	935.539	932.843	930.228	927.698	925.258	922.916	920.672
7.5	927.321	922.999	918.783	914.699	910.747	906.919	903.221	899.658	896.237	892.962
10.0	909.710	903.450	897.969	892.641	887.396	882.481	877.663	873.071	868.685	864.490
12.5	889.562	882.646	875.919	869.391	863.163	857.063	851.395	845.840	840.514	836.108
15.0	868.747	860.601	852.865	845.375	838.124	831.121	824.440	818.105	812.033	806.231
17.5	846.658	837.810	829.020	820.499	812.423	804.663	797.189	790.008	783.205	776.733
20.0	817.948	808.578	800.022	791.930	784.339	777.291	769.576	761.756	754.252	746.803
22.5	787.629	777.523	767.973	759.020	750.812	743.200	736.194	729.208	722.711	715.181
25.0	755.873	744.770	734.450	724.823	715.866	706.990	698.692	691.053	684.246	678.150
27.5	722.464	710.595	699.452	688.681	678.384	668.799	660.169	652.296	645.136	638.658
30.0	687.565	676.436	662.290	650.572	639.829	629.990	620.914	612.572	605.001	598.419
32.5	650.843	636.832	623.681	611.709	600.542	590.167	580.603	571.859	563.834	556.572
35.0	612.362	597.861	584.455	571.893	560.173	549.321	539.386	530.250	521.571	514.847
37.5	573.003	558.117	544.111	530.999	518.922	507.807	497.638	488.698	480.489	473.469
40.0	532.555	517.250	502.703	489.497	477.160	466.298	456.326	447.534	439.751	432.789
42.5	490.749	475.256	461.014	447.736	435.983	425.140	415.766	407.065	399.876	393.315
45.0	448.614	433.226	419.269	406.575	395.324	385.036	376.017	368.009	360.915	354.764
47.5	406.446	391.672	377.903	366.104	356.286	345.968	338.429	329.736	322.814	317.278
50.0	364.988	350.453	337.755	326.302	316.302	307.414	299.486	292.498	285.995	281.141
52.5	323.889	310.278	298.334	287.532	278.310	270.254	262.913	256.547	251.447	247.205
55.0	283.621	271.185	259.314	250.133	241.502	234.198	227.979	222.606	218.046	213.799
57.5	244.794	233.020	222.816	214.177	206.467	200.448	194.859	190.389	186.187	182.678
60.0	206.963	196.285	187.684	179.946	173.866	168.505	163.880	160.073	156.462	153.279
62.5	170.452	161.929	154.355	148.136	143.100	138.814	135.168	131.881	128.971	126.060

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

65.0	136.809	129.431	123.156	118.527	114.413	111.331	108.728	106.093	103.987	101.044
67.5	105.066	99.632	94.666	91.182	88.417	86.682	84.791	83.321	81.639	79.679
70.0	81.913	71.396	68.622	67.005	65.566	64.703	63.860	63.235	62.020	60.989
72.5	62.712	52.739	45.283	45.209	45.476	45.514	45.978	46.015	45.743	45.258
75.0	45.725	37.563	31.011	26.930	28.214	29.656	31.071	31.825	32.504	32.419
77.5	31.416	25.351	20.944	16.509	14.070	16.964	19.123	20.825	21.956	22.482
80.0	20.023	16.761	13.340	9.849	7.415	7.119	9.865	12.336	13.874	15.006
82.5	12.858	10.442	7.820	5.883	4.102	2.503	3.366	6.103	8.102	9.586
85.0	7.723	5.973	4.540	3.212	1.961	0.960	0.354	1.872	4.208	5.654
87.5	4.219	3.326	2.422	1.498	0.687	0.251	0.000	0.000	1.509	2.891
90.0	2.188	1.697	1.090	0.481	0.176	0.000	0.000	0.000	0.000	1.071
92.5	1.007	0.714	0.325	0.121	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.353	0.189	0.077	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.061	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.016	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	946.275	945.223	944.223	943.278	942.240	941.559	940.787	940.076	939.427	938.840
5.0	918.528	916.487	914.552	912.566	911.014	909.416	907.934	906.573	905.332	904.215
7.5	889.838	886.870	885.200	881.443	878.981	876.687	874.563	872.612	870.837	869.240
10.0	860.490	856.691	853.097	849.714	846.546	843.641	840.966	838.512	836.282	834.279

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

12.5	830.687	826.180	821.919	817.910	814.157	810.664	807.910	804.488	801.803	799.388
15.0	800.706	795.481	790.577	785.956	781.624	777.586	773.847	770.412	767.143	764.195
17.5	770.561	764.696	759.144	753.594	748.392	743.563	739.112	735.043	731.361	728.110
20.0	739.529	732.555	725.983	719.818	714.153	708.908	704.074	699.654	695.655	693.273
22.5	707.161	699.700	692.665	686.063	679.902	674.107	668.753	663.847	659.393	655.399
25.0	672.710	666.721	659.070	651.874	645.141	638.813	632.751	627.183	622.115	617.553
27.5	632.340	627.849	623.378	616.949	609.419	602.400	595.911	589.966	584.565	579.715
30.0	591.958	586.433	581.638	577.596	573.375	565.923	559.484	552.929	547.381	542.409
32.5	550.140	544.566	539.693	534.988	532.396	529.851	522.807	516.496	510.863	505.742
35.0	508.349	502.871	498.212	494.233	491.202	488.963	487.375	482.031	475.138	469.950
37.5	467.268	461.820	457.529	453.884	450.955	448.967	447.622	446.177	440.175	434.762
40.0	427.052	421.956	417.782	414.417	411.694	409.810	407.980	407.976	405.749	400.119
42.5	387.752	382.989	378.918	375.836	373.316	371.475	370.378	369.802	370.180	365.996
45.0	349.339	345.010	341.212	338.310	336.025	334.218	333.109	332.464	332.299	332.258
47.5	312.259	308.267	304.884	302.041	299.860	298.066	296.932	296.368	296.225	296.648
50.0	276.780	272.952	269.828	267.019	265.036	263.413	262.224	261.640	261.434	261.652
52.5	242.710	239.051	236.246	233.733	231.714	229.668	228.861	228.089	227.580	227.371
55.0	210.177	206.973	204.202	201.837	199.771	198.198	196.763	195.497	194.880	194.249
57.5	179.247	176.310	173.591	171.478	169.384	167.754	166.168	164.822	163.835	162.912
60.0	149.836	147.332	144.869	142.871	140.848	139.133	137.569	136.003	135.176	134.320
62.5	123.190	120.301	118.189	116.272	114.518	112.804	111.584	110.167	109.588	109.050
65.0	99.064	96.150	93.815	92.051	90.840	89.271	88.712	87.841	87.418	87.252
67.5	77.711	75.132	72.661	70.721	70.209	69.427	69.169	68.882	68.547	68.493
70.0	59.326	57.407	55.252	52.945	52.793	52.808	52.715	52.681	52.344	52.479
72.5	44.063	42.881	41.141	39.671	38.367	38.760	38.768	39.084	38.937	39.126
75.0	31.943	31.332	30.120	28.999	27.122	27.158	27.441	27.919	28.021	28.209
77.5	22.686	22.357	21.637	20.559	19.177	17.800	18.380	18.867	19.193	19.452
80.0	15.577	15.445	15.026	14.084	12.993	11.578	11.068	11.660	12.299	12.616
82.5	10.237	10.333	9.996	9.175	8.228	6.896	5.818	6.234	6.893	7.129
85.0	6.350	6.550	6.230	5.567	4.761	3.791	2.802	2.114	3.096	3.712
87.5	3.616	3.803	3.518	3.093	2.399	1.588	0.886	0.405	0.989	1.750
90.0	1.758	1.936	1.807	1.423	0.775	0.462	0.118	0.054	0.086	0.646
92.5	0.624	0.819	0.721	0.430	0.194	0.062	0.005	0.000	0.000	0.136
95.0	0.046	0.226	0.187	0.053	0.027	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.018	0.018	0.008	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	938.317	937.858	937.464	937.136	936.874	936.679	936.550	936.489	936.494	936.566
5.0	903.222	902.356	901.616	901.005	900.522	900.169	899.945	899.851	899.886	900.050
7.5	867.823	866.589	865.538	864.672	863.992	863.498	863.078	863.072	863.140	863.395
10.0	832.505	830.962	829.653	828.578	827.739	827.138	826.773	826.647	826.759	827.109
12.5	797.227	795.378	793.788	792.480	791.453	790.711	790.253	790.083	790.199	790.603
15.0	761.589	759.328	757.413	755.845	754.626	753.754	753.231	753.055	753.225	753.740
17.5	725.091	722.761	720.665	718.959	717.642	716.715	716.180	716.034	716.278	716.911
20.0	688.824	686.015	683.637	681.691	680.118	679.107	678.472	678.277	678.521	679.205
22.5	651.742	648.482	645.705	643.415	641.616	640.311	639.502	639.190	639.377	640.062
25.0	614.107	610.013	607.047	604.611	602.709	601.343	600.515	600.226	600.476	601.265
27.5	575.421	571.782	568.749	566.274	564.361	563.013	562.232	562.017	562.371	563.293
30.0	538.017	534.247	531.143	528.605	526.639	525.251	524.445	524.227	524.599	525.565
32.5	501.296	497.380	494.165	491.530	489.475	488.009	487.139	486.872	487.217	488.178
35.0	465.324	461.274	457.854	455.047	452.836	451.232	450.244	449.882	450.155	451.071
37.5	429.916	425.652	422.017	419.047	416.690	414.958	413.862	413.414	413.622	414.497
40.0	395.067	390.478	387.396	383.561	380.984	379.045	377.759	377.139	377.199	377.952
42.5	360.675	355.943	351.819	348.454	345.723	343.623	342.173	341.391	341.295	341.901
45.0	327.013	322.132	317.661	314.229	311.270	308.932	307.238	306.213	305.879	306.259
47.5	294.350	289.084	284.707	280.771	277.496	274.879	272.942	271.707	271.192	271.417
50.0	262.305	256.897	252.005	247.764	244.244	241.403	239.261	237.841	237.160	237.239
52.5	227.614	224.966	219.805	215.793	211.743	208.875	206.727	205.251	204.651	204.750
55.0	194.086	193.851	188.657	184.143	180.767	178.099	176.107	174.811	174.228	174.375
57.5	162.450	162.541	159.494	155.257	152.113	149.660	147.883	146.679	146.118	146.227
60.0	133.724	133.930	133.029	129.168	126.256	124.145	122.547	121.493	121.011	121.130
62.5	108.565	108.824	109.204	106.215	103.517	101.622	100.197	99.268	98.864	99.010
65.0	86.910	87.096	87.382	85.901	83.420	81.803	80.612	79.870	79.601	79.828
67.5	68.210	68.248	68.484	68.118	66.380	64.654	63.732	63.116	63.004	63.305
70.0	52.314	52.247	52.510	52.687	51.088	50.151	49.474	49.079	48.999	49.263
72.5	39.118	39.023	39.390	39.670	38.981	38.150	37.586	37.242	37.150	37.344
75.0	28.396	28.405	28.795	29.088	28.947	28.115	27.583	27.277	27.220	27.433
77.5	19.834	19.943	20.141	20.227	20.187	19.553	19.224	19.047	19.047	19.252
80.0	12.927	12.929	13.069	13.197	13.120	12.786	12.592	12.505	12.547	12.745
82.5	7.677	7.889	7.936	8.034	7.850	7.538	7.388	7.312	7.309	7.478
85.0	4.232	4.493	4.439	4.279	3.880	3.378	3.401	3.417	3.455	3.546
87.5	2.116	2.185	1.947	1.713	1.338	0.831	0.954	1.044	1.039	0.988
90.0	0.807	0.783	0.516	0.380	0.232	0.030	0.061	0.122	0.134	0.106
92.5	0.166	0.154	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.048	0.042
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.108	0.164	0.171
135.0	0.000	0.000	0.000	0.000	0.000	0.007	0.100	0.153	0.171	0.171
137.5	0.000	0.000	0.000	0.000	0.000	0.002	0.020	0.078	0.164	0.126
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.024	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles	Horizontal Angles									
	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	936.705	936.910	937.180	936.910	936.705	936.566	936.494	936.489	936.550	936.679
5.0	900.343	900.764	901.312	900.764	900.343	900.050	899.886	899.851	899.945	900.169
7.5	863.836	864.462	865.273	864.462	863.836	863.395	863.140	863.072	863.191	863.498
10.0	827.695	828.518	829.576	828.518	827.695	827.109	826.759	826.647	826.773	827.138
12.5	791.294	792.272	793.537	792.272	791.294	790.603	790.327	790.083	790.253	790.711
15.0	754.596	755.793	757.327	755.793	754.596	753.740	753.225	753.055	753.231	753.754
17.5	717.929	719.333	721.118	719.333	717.929	717.001	716.278	716.034	716.309	716.715
20.0	680.327	681.887	683.883	681.887	680.327	679.205	678.521	678.277	678.472	679.107
22.5	641.248	642.931	645.112	642.931	641.248	640.063	639.377	639.190	639.502	640.311
25.0	602.592	604.455	606.852	604.455	602.592	601.265	600.476	600.226	600.515	601.343
27.5	564.588	566.833	569.447	566.833	564.780	563.293	562.371	562.017	562.232	563.013
30.0	527.127	529.286	532.042	529.286	527.332	525.565	524.599	524.227	524.445	525.251
32.5	489.761	491.970	494.808	491.970	489.761	488.178	487.217	486.872	487.139	488.009
35.0	452.637	454.860	457.744	454.860	452.637	451.071	450.155	449.882	450.244	451.232
37.5	416.045	418.276	421.193	418.276	416.045	414.497	413.622	413.414	413.862	414.958
40.0	379.408	381.578	384.471	381.578	379.408	377.952	377.199	377.139	377.759	379.045
42.5	343.227	345.285	348.090	345.285	343.227	342.024	341.295	341.391	342.344	343.623
45.0	307.372	309.240	311.881	309.240	307.373	306.259	305.879	306.213	307.238	308.932

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

47.5	272.399	274.154	276.696	274.154	272.399	271.417	271.192	271.707	272.942	274.879
50.0	238.094	239.741	242.194	239.741	238.094	237.239	237.160	237.841	239.261	241.403
52.5	205.625	207.286	209.742	207.286	205.625	204.750	204.651	205.314	206.727	208.875
55.0	175.268	176.919	179.340	176.919	175.268	174.375	174.228	174.811	176.107	178.099
57.5	147.031	148.554	150.816	148.554	147.031	146.227	146.118	146.679	147.883	149.704
60.0	121.878	123.282	125.367	123.282	121.878	121.130	121.011	121.493	122.547	124.145
62.5	99.731	101.051	102.992	101.051	99.731	99.010	98.864	99.268	100.197	101.622
65.0	80.571	81.775	83.692	81.854	80.571	79.828	79.601	79.870	80.612	81.803
67.5	64.045	65.253	66.954	65.254	64.050	63.320	63.040	63.186	63.732	64.654
70.0	49.904	50.952	52.436	51.012	49.904	49.263	48.999	49.079	49.474	50.151
72.5	37.856	38.720	39.967	38.720	37.856	37.344	37.150	37.242	37.586	38.150
75.0	27.936	28.748	29.890	28.748	27.936	27.433	27.220	27.277	27.583	28.115
77.5	19.687	20.378	21.350	20.378	19.687	19.252	19.047	19.047	19.224	19.553
80.0	13.123	13.706	14.518	13.705	13.123	12.745	12.547	12.505	12.592	12.786
82.5	7.768	8.228	8.882	8.228	7.768	7.478	7.334	7.312	7.388	7.538
85.0	3.719	4.006	4.441	4.006	3.719	3.546	3.455	3.417	3.401	3.378
87.5	0.938	0.934	1.025	0.934	0.938	0.988	1.039	1.044	0.963	0.831
90.0	0.061	0.019	0.000	0.019	0.061	0.106	0.134	0.125	0.061	0.030
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.042	0.048	0.000	0.004	0.000
132.5	0.092	0.000	0.000	0.000	0.092	0.171	0.164	0.108	0.063	0.000
135.0	0.171	0.121	0.000	0.121	0.171	0.171	0.171	0.153	0.100	0.007
137.5	0.056	0.000	0.000	0.000	0.056	0.126	0.164	0.078	0.020	0.002
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.006	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	936.874	937.136	937.464	937.858	938.317	938.840	939.427	940.076	940.787	941.559
5.0	900.522	901.023	901.616	902.356	903.222	904.215	905.332	906.573	907.934	909.416
7.5	863.992	864.672	865.538	866.589	867.823	869.240	870.837	872.612	874.563	876.687
10.0	827.739	828.578	829.653	830.962	832.505	834.279	836.282	838.701	840.966	843.641
12.5	791.610	792.480	793.788	795.378	797.245	799.388	801.803	804.488	807.910	810.664
15.0	754.626	755.845	757.413	759.328	761.589	764.194	767.143	770.412	773.847	777.586
17.5	717.642	719.023	720.665	722.761	725.243	728.110	731.361	735.043	739.112	743.563
20.0	680.180	681.691	683.637	686.015	688.824	693.273	695.655	699.654	704.074	708.908
22.5	641.616	643.415	645.705	648.482	651.742	655.399	659.393	663.903	668.753	674.107
25.0	602.709	604.617	607.047	610.013	614.107	617.553	622.115	627.183	632.751	638.813
27.5	564.361	566.274	568.748	571.782	575.421	579.715	584.565	590.196	595.911	602.400
30.0	526.639	528.605	531.143	534.247	538.017	542.408	547.381	552.929	559.493	565.923
32.5	489.475	491.530	494.165	497.380	501.296	505.793	510.863	516.539	522.807	529.858
35.0	452.836	455.047	457.854	461.274	465.324	469.950	475.138	482.032	487.401	488.963
37.5	416.690	419.047	422.017	425.652	429.916	434.762	440.175	446.177	447.623	449.565
40.0	380.984	383.561	387.396	390.608	395.067	400.119	405.748	407.976	408.593	409.810
42.5	345.723	348.519	351.819	355.943	360.675	365.996	370.180	369.802	370.378	372.037
45.0	311.270	314.229	317.836	322.132	327.013	332.454	332.299	332.465	333.109	334.218
47.5	277.496	280.771	284.707	289.251	294.350	296.648	296.524	296.368	296.932	298.180
50.0	244.244	247.764	252.005	256.897	262.432	261.652	261.434	261.640	262.224	263.413
52.5	211.743	215.793	219.805	224.966	227.614	227.371	227.580	228.089	228.861	230.141
55.0	180.767	184.143	188.657	193.851	194.086	194.249	194.880	195.698	196.763	198.198
57.5	152.113	155.257	159.494	162.541	162.449	162.912	163.835	164.822	166.168	167.754
60.0	126.256	129.168	133.029	133.930	133.724	134.320	135.176	136.003	137.569	139.133
62.5	103.517	106.215	109.204	108.824	108.565	109.050	109.588	110.167	111.583	112.804
65.0	83.420	85.901	87.382	87.096	86.910	87.252	87.418	87.841	88.712	89.271
67.5	66.380	68.118	68.484	68.248	68.210	68.493	68.547	68.882	69.169	69.427
70.0	51.088	52.687	52.510	52.370	52.314	52.479	52.344	52.681	52.715	52.808
72.5	38.981	39.670	39.390	39.023	39.118	39.126	38.937	39.084	38.890	38.760
75.0	28.947	29.088	28.795	28.405	28.396	28.209	28.021	27.919	27.441	27.158
77.5	20.187	20.227	20.141	19.943	19.834	19.452	19.193	18.867	18.380	17.800
80.0	13.120	13.197	13.069	12.929	12.927	12.616	12.299	11.660	11.068	11.578
82.5	7.850	8.034	7.971	7.889	7.677	7.129	6.893	6.234	5.818	6.896
85.0	3.880	4.279	4.439	4.493	4.232	3.712	3.096	2.114	2.802	3.791
87.5	1.338	1.713	1.947	2.198	2.116	1.750	0.989	0.405	0.886	1.588
90.0	0.232	0.380	0.516	0.783	0.807	0.646	0.086	0.054	0.118	0.462
92.5	0.000	0.000	0.055	0.154	0.166	0.136	0.000	0.000	0.005	0.062
95.0	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	942.390	943.342	944.223	945.223	946.275	947.378	948.531	949.730	950.975	952.262
5.0	911.014	912.727	914.552	916.487	918.528	920.672	922.916	925.257	927.698	930.228
7.5	878.981	881.443	885.219	886.870	889.838	892.962	896.237	899.658	903.221	906.919
10.0	846.546	849.714	853.097	856.691	860.490	864.490	868.685	873.071	877.663	882.481
12.5	814.157	817.910	821.919	826.180	830.687	836.108	840.514	845.840	851.395	857.172
15.0	781.624	785.956	790.577	795.481	800.837	806.231	812.033	818.105	824.440	831.121
17.5	748.392	753.594	759.144	764.696	770.562	776.733	783.205	790.008	797.189	804.663
20.0	714.153	719.818	725.983	732.555	739.529	746.898	754.252	761.756	769.576	777.291
22.5	679.902	686.063	692.665	699.700	707.161	715.181	722.711	729.208	736.194	743.403
25.0	645.141	651.874	659.070	666.721	672.710	678.150	684.246	691.053	698.692	706.990
27.5	609.419	616.949	623.378	627.849	632.892	638.658	645.136	652.296	660.169	668.799
30.0	573.375	577.596	581.638	586.433	591.958	598.419	605.001	612.572	620.914	629.990
32.5	532.396	535.584	539.693	544.566	550.140	556.572	563.834	571.859	580.603	590.167
35.0	491.830	494.233	498.212	502.871	508.737	514.848	522.067	530.250	539.386	549.321
37.5	450.955	453.884	457.529	461.820	467.268	473.469	480.489	488.698	497.639	507.807
40.0	411.694	414.417	417.782	421.956	427.052	432.789	439.751	447.534	456.326	466.298
42.5	373.316	375.836	378.918	382.989	387.753	393.315	400.428	407.064	415.766	425.139
45.0	336.025	338.310	341.212	345.010	349.339	354.764	360.915	368.009	376.017	385.036
47.5	299.860	302.041	304.884	308.267	312.259	317.278	322.814	329.736	338.429	345.968
50.0	265.036	267.019	269.828	272.952	276.780	281.141	286.346	292.498	299.486	307.414
52.5	231.714	233.733	236.449	239.051	242.710	247.617	251.447	256.547	262.913	270.254
55.0	199.771	201.837	204.202	206.973	210.177	213.799	218.046	222.606	227.979	234.198
57.5	169.384	171.478	173.590	176.310	179.247	182.678	186.187	190.389	194.859	200.448
60.0	140.848	142.871	144.869	147.332	149.836	153.279	156.462	160.073	163.880	168.505
62.5	114.518	116.272	118.189	120.300	123.190	126.060	128.971	131.881	135.168	138.814
65.0	90.840	92.051	93.815	96.150	99.064	101.410	103.987	106.093	108.728	111.331
67.5	70.209	70.721	72.661	75.132	77.711	79.679	81.639	83.678	84.791	86.682
70.0	52.793	53.142	55.252	57.407	59.326	60.989	62.020	63.235	63.859	64.703
72.5	38.367	39.671	41.141	42.881	44.066	45.258	45.743	46.015	46.277	45.514
75.0	27.122	28.999	30.210	31.332	31.943	32.419	32.504	31.825	31.071	29.656
77.5	19.177	20.559	21.637	22.357	22.686	22.546	21.956	20.825	19.123	16.964

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

80.0	12.993	14.084	15.026	15.467	15.577	15.006	13.874	12.336	9.995	7.119
82.5	8.233	9.175	9.996	10.333	10.237	9.586	8.102	6.103	3.366	2.503
85.0	4.761	5.567	6.230	6.550	6.350	5.654	4.208	1.872	0.354	0.960
87.5	2.399	3.093	3.518	3.803	3.616	2.891	1.509	0.000	0.000	0.251
90.0	0.775	1.423	1.807	1.936	1.758	1.071	0.000	0.000	0.000	0.000
92.5	0.194	0.430	0.721	0.819	0.624	0.000	0.000	0.000	0.000	0.000
95.0	0.027	0.053	0.187	0.233	0.046	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.008	0.018	0.018	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert.
Angles

Horizontal Angles

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	953.590	954.955	956.356	957.790	959.254	960.745	962.261	963.799	966.145	966.924
5.0	932.843	935.539	938.310	941.152	944.060	947.029	950.052	953.126	956.242	959.400
7.5	910.747	914.699	918.783	923.045	927.321	931.741	936.252	940.846	945.515	950.249
10.0	887.476	892.641	897.969	903.450	909.710	914.907	920.875	926.965	933.164	939.462
12.5	863.163	869.391	875.919	882.646	889.562	896.656	903.945	911.493	919.191	927.127
15.0	838.124	845.375	852.865	860.601	868.747	877.115	885.694	895.130	903.612	912.946
17.5	812.423	820.499	829.020	837.810	846.658	855.337	864.546	874.103	885.447	894.381
20.0	784.339	791.930	800.022	808.676	817.948	827.672	837.850	848.734	860.020	872.731
22.5	750.812	759.020	767.973	777.523	787.629	798.426	809.775	823.178	834.220	847.311
25.0	715.866	724.823	734.450	744.770	755.873	767.597	779.995	793.047	806.647	821.060

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

27.5	678.384	688.681	699.452	710.595	722.464	735.172	748.835	762.721	777.547	794.671
30.0	639.829	650.572	662.290	676.436	687.565	701.109	715.503	730.713	746.655	763.313
32.5	600.542	611.709	623.681	636.832	650.843	665.450	680.751	696.931	713.991	731.820
35.0	560.173	571.893	584.455	597.944	612.362	627.960	644.324	661.450	679.497	697.978
37.5	518.922	531.375	544.111	558.117	573.003	588.915	605.964	623.501	641.745	660.770
40.0	477.160	489.497	502.703	517.250	532.555	548.545	565.418	583.629	602.611	622.342
42.5	435.983	447.736	461.014	475.256	490.749	507.159	525.043	542.713	562.325	582.724
45.0	395.324	406.575	419.269	433.226	448.614	465.157	482.780	501.429	520.993	541.971
47.5	356.286	366.104	377.903	391.672	406.446	422.954	440.544	459.344	479.261	500.167
50.0	316.302	326.302	337.755	350.453	364.988	380.620	398.212	416.833	436.760	457.909
52.5	278.310	287.532	298.334	310.278	323.889	339.163	356.929	374.299	393.927	414.917
55.0	241.502	250.132	259.798	271.185	283.621	298.106	314.125	331.652	351.115	372.188
57.5	206.467	214.177	222.816	233.020	244.794	257.720	273.026	289.788	308.203	328.538
60.0	173.866	179.946	187.684	196.285	206.964	219.084	233.009	248.557	267.506	294.115
62.5	143.100	148.136	154.355	161.929	170.452	182.158	193.969	213.142	236.206	261.981
65.0	114.413	118.527	123.156	129.431	136.809	146.229	162.163	183.152	205.636	230.628
67.5	88.417	91.182	94.666	99.633	105.066	118.705	136.147	156.034	177.225	201.443
70.0	65.566	67.006	68.622	71.396	81.913	96.244	112.275	130.346	150.365	171.710
72.5	45.476	45.209	45.283	52.739	62.712	74.976	89.721	106.267	124.905	145.017
75.0	28.214	26.930	31.011	37.563	45.882	55.762	68.375	83.638	100.584	119.722
77.5	14.070	16.509	20.944	25.351	31.416	39.345	49.126	62.036	77.594	95.122
80.0	7.415	9.849	13.340	16.761	20.023	25.531	33.052	42.731	55.882	71.816
82.5	4.102	5.883	7.820	10.442	12.858	14.932	19.824	26.930	36.494	49.828
85.0	1.961	3.212	4.540	6.014	7.723	9.130	9.998	14.222	20.907	30.334
87.5	0.687	1.498	2.425	3.326	4.219	5.109	5.494	5.151	8.669	14.918
90.0	0.176	0.483	1.090	1.697	2.188	2.517	2.546	1.895	0.342	8.669
92.5	0.000	0.121	0.325	0.714	1.007	1.086	0.836	0.000	1.895	5.145
95.0	0.000	0.000	0.077	0.189	0.353	0.332	0.000	0.841	2.546	5.479
97.5	0.000	0.000	0.000	0.037	0.061	0.000	0.343	1.095	2.517	5.081
100.0	0.000	0.000	0.000	0.000	0.001	0.068	0.364	1.020	2.188	4.181
102.5	0.000	0.000	0.000	0.000	0.000	0.042	0.203	0.728	1.697	3.265
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.344	1.090	2.361
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.131	0.481	1.442
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.176	0.611
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.216
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.241
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.129	1.071	2.568
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.218	0.781	1.758	3.206
127.5	0.000	0.000	0.000	0.000	0.012	0.107	0.428	1.013	1.936	3.349
130.0	0.000	0.000	0.000	0.001	0.016	0.108	0.326	0.927	1.807	3.056
132.5	0.000	0.000	0.000	0.000	0.006	0.040	0.223	0.559	1.423	2.560
135.0	0.000	0.000	0.000	0.000	0.000	0.016	0.066	0.346	0.775	1.879
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.093	0.462	0.988
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.118	0.556
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.139
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.534
147.5	0.000	0.000	0.000	0.000	0.000	0.026	0.121	0.305	0.646	1.145
150.0	0.000	0.000	0.000	0.000	0.007	0.076	0.168	0.443	0.807	1.387
152.5	0.000	0.000	0.000	0.000	0.000	0.047	0.174	0.342	0.783	1.280
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.108	0.280	0.516	1.076
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.175	0.380	0.640
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.232	0.458
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.262
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.036	0.061	0.109

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.073	0.122	0.179
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.067	0.134	0.203
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.106	0.178
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.061	0.122
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.056
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Vert. Horizontal Angles										
Angles	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	968.500	970.087	971.680	973.276	974.873	976.467	978.055	979.635	981.202	982.753
5.0	962.564	965.756	968.967	972.191	975.422	978.653	981.877	985.087	988.277	991.441
7.5	955.023	959.828	964.672	969.543	974.434	979.333	984.231	990.244	994.073	999.023
10.0	945.897	952.260	958.736	965.263	971.827	978.415	985.056	991.847	998.615	1005.346
12.5	934.985	943.021	951.116	959.291	967.529	976.984	984.371	993.085	1001.574	1010.139
15.0	922.443	932.346	941.780	951.582	961.480	971.491	981.905	992.351	1002.806	1013.269
17.5	905.083	916.052	927.240	938.762	950.212	962.021	974.311	986.722	999.228	1011.888
20.0	883.868	896.384	910.059	922.316	935.691	949.424	963.399	977.670	992.091	1006.758
22.5	860.845	874.861	889.243	904.006	919.148	934.722	950.424	966.526	982.848	999.490
25.0	836.025	851.471	867.359	883.654	900.500	917.737	935.320	953.203	971.357	989.942
27.5	809.417	826.187	843.549	861.344	879.688	898.669	918.295	937.634	958.887	977.993
30.0	780.631	798.913	817.793	837.038	856.765	877.325	898.461	919.778	941.375	963.551
32.5	750.359	769.664	789.917	810.208	830.878	852.354	874.871	897.886	921.204	945.184
35.0	716.935	736.584	757.127	778.679	800.910	823.855	847.852	872.717	897.976	923.832
37.5	680.591	701.651	722.553	745.056	769.033	792.967	818.251	844.733	871.883	899.596
40.0	642.878	664.221	686.444	709.540	734.069	759.578	786.272	814.030	842.833	872.303
42.5	603.916	625.932	648.756	672.641	697.511	724.026	751.702	780.665	810.830	841.907
45.0	563.752	586.362	609.811	634.831	659.617	686.869	714.750	744.736	775.988	808.404
47.5	522.465	545.582	569.549	594.366	620.085	647.197	675.920	707.108	743.105	779.795
50.0	480.128	503.680	528.074	553.322	579.421	609.491	642.712	677.594	713.581	750.793
52.5	437.264	460.740	485.464	514.147	545.884	578.298	611.796	646.346	682.522	719.912
55.0	393.686	418.933	449.615	481.092	513.224	545.972	579.450	614.205	650.069	687.188
57.5	355.606	385.104	415.858	447.307	479.501	512.506	546.174	581.511	616.433	653.388
60.0	322.363	351.521	381.674	413.109	445.209	477.985	511.751	546.230	581.545	618.175
62.5	290.818	318.028	347.810	378.638	410.468	443.092	476.397	510.700	545.859	581.926
65.0	256.953	284.807	313.979	344.273	375.455	407.708	440.711	474.415	509.081	544.765
67.5	225.456	252.249	280.300	310.020	340.696	372.205	404.597	437.824	472.963	515.183
70.0	195.515	220.528	247.687	276.047	305.949	336.867	368.535	403.594	442.674	482.285
72.5	166.455	189.543	215.678	243.083	271.618	301.563	336.360	373.897	412.088	451.104
75.0	139.854	161.312	184.434	210.734	238.250	271.417	307.217	344.069	381.584	419.639
77.5	114.686	134.740	156.128	179.228	210.658	244.070	278.554	314.280	351.011	388.255
80.0	89.767	109.678	129.545	156.134	185.137	217.249	250.616	284.980	320.485	356.871
82.5	66.096	84.397	109.727	135.087	162.242	191.326	223.278	256.426	290.486	325.622
85.0	43.790	66.129	89.988	115.161	140.678	167.905	196.894	228.562	261.303	294.866
87.5	30.348	49.888	71.991	95.473	120.261	145.824	172.956	201.666	232.928	265.057
90.0	20.907	36.494	55.882	77.595	100.584	124.802	150.365	177.225	205.636	236.206
92.5	14.189	26.810	42.455	61.628	82.837	105.207	128.985	154.143	180.547	208.587
95.0	9.944	19.629	32.541	48.134	67.034	87.624	109.236	132.401	156.999	188.736
97.5	9.026	14.733	24.915	38.013	53.443	72.012	91.871	112.576	139.689	173.615
100.0	7.577	12.481	19.201	29.959	43.140	58.579	76.480	98.706	127.837	160.050
102.5	5.812	9.985	15.762	23.525	34.661	47.828	65.122	91.018	118.520	147.921
105.0	4.300	7.372	12.171	18.761	27.483	40.356	60.965	84.323	110.015	137.141
107.5	2.994	5.255	8.815	14.243	22.485	38.895	57.828	78.713	102.432	127.776
110.0	1.769	3.566	6.075	11.124	23.285	37.676	54.971	74.279	95.602	119.238
112.5	0.711	2.052	5.132	13.167	23.901	36.904	52.162	69.987	89.480	111.214

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

115.0	0.244	1.972	7.671	15.040	24.205	35.929	49.579	65.640	83.706	103.356
117.5	1.289	4.694	9.416	16.058	24.344	34.563	46.987	61.076	77.768	95.882
120.0	3.420	6.550	10.824	16.380	23.881	32.845	43.961	56.836	71.565	88.291
122.5	4.719	7.670	11.542	16.545	22.900	30.959	40.447	52.167	65.221	80.440
125.0	5.282	8.025	11.532	16.146	21.586	28.741	37.101	47.170	58.939	72.298
127.5	5.243	7.836	11.066	15.121	20.224	26.255	33.735	42.100	52.596	64.030
130.0	4.844	7.203	10.148	13.733	18.250	23.627	30.114	37.700	46.365	57.605
132.5	4.095	6.177	8.796	12.128	16.030	20.798	26.199	33.023	41.848	52.269
135.0	3.224	5.003	7.275	10.175	13.678	17.745	22.944	30.017	38.180	47.214
137.5	2.256	3.746	5.726	8.056	11.175	15.615	21.222	27.367	34.581	42.220
140.0	1.141	2.512	4.162	6.715	10.286	14.549	19.309	24.929	31.014	37.911
142.5	0.607	1.704	3.910	6.580	9.779	13.367	17.575	22.402	27.628	33.705
145.0	1.213	2.423	4.044	6.277	9.127	12.296	15.982	20.094	24.630	29.644
147.5	1.887	2.856	4.220	6.066	8.190	11.153	14.290	17.881	21.764	25.889
150.0	2.124	3.079	4.278	5.674	7.681	9.843	12.563	15.713	19.201	22.772
152.5	2.032	2.956	4.030	5.400	6.890	8.800	11.027	13.376	16.366	19.570
155.0	1.680	2.512	3.571	4.709	6.137	7.712	9.523	11.561	13.886	16.300
157.5	1.283	1.960	2.754	3.899	5.102	6.405	8.009	9.683	11.426	13.603
160.0	0.705	1.360	2.076	2.815	3.865	5.086	6.348	7.700	9.293	10.877
162.5	0.498	0.739	1.256	2.016	2.799	3.595	4.712	5.901	7.088	8.271
165.0	0.396	0.691	1.013	1.369	2.038	2.766	3.500	4.240	5.116	6.163
167.5	0.238	0.502	0.829	1.166	1.512	1.870	2.451	3.094	3.756	4.409
170.0	0.273	0.346	0.447	0.768	1.093	1.423	1.753	2.098	2.443	2.922
172.5	0.249	0.322	0.396	0.471	0.547	0.747	1.033	1.319	1.605	1.892
175.0	0.184	0.245	0.307	0.368	0.430	0.492	0.554	0.617	0.679	0.750
177.5	0.094	0.131	0.169	0.206	0.243	0.280	0.316	0.352	0.388	0.423
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	984.286	985.798	987.284	988.743	990.171	991.566	993.068	994.243	995.519	996.751
5.0	994.571	997.668	1000.771	1003.818	1006.801	1009.715	1012.553	1015.308	1017.974	1020.545
7.5	1003.925	1008.768	1013.542	1018.233	1022.832	1027.327	1031.720	1036.108	1040.487	1044.463
10.0	1012.024	1018.631	1025.180	1031.759	1038.223	1044.555	1050.739	1056.759	1062.600	1068.229
12.5	1018.673	1027.265	1035.769	1044.164	1052.428	1060.520	1068.195	1075.668	1082.918	1089.921
15.0	1023.784	1034.242	1044.616	1054.838	1064.707	1074.401	1083.892	1093.149	1101.979	1110.501
17.5	1024.606	1037.324	1049.932	1062.335	1074.608	1086.709	1097.926	1108.715	1119.258	1130.037
20.0	1021.498	1036.263	1050.945	1065.558	1079.994	1093.740	1107.294	1121.638	1133.162	1145.333
22.5	1016.253	1033.139	1050.085	1066.997	1083.139	1099.064	1114.726	1129.665	1144.302	1158.404
25.0	1008.706	1027.807	1047.062	1065.994	1084.255	1103.592	1119.896	1137.099	1153.714	1169.584
27.5	998.710	1020.016	1041.594	1062.543	1083.046	1103.258	1122.998	1142.437	1161.065	1180.840
30.0	986.143	1009.537	1033.413	1056.483	1079.216	1101.549	1123.655	1145.216	1166.356	1186.580
32.5	969.835	995.225	1021.273	1046.751	1071.982	1096.713	1121.342	1145.073	1168.622	1190.728
35.0	950.531	977.876	1005.994	1033.910	1061.564	1088.730	1115.864	1141.679	1167.153	1191.364
37.5	928.138	957.408	987.438	1017.709	1047.667	1077.304	1108.283	1134.781	1162.248	1188.434
40.0	902.568	933.705	965.515	999.711	1030.044	1062.175	1093.865	1124.122	1153.679	1181.634
42.5	873.796	906.850	940.189	974.216	1008.540	1044.424	1078.986	1112.380	1144.669	1174.568
45.0	842.542	879.278	916.494	953.879	991.419	1028.613	1064.997	1100.576	1134.140	1165.984
47.5	816.950	854.760	893.067	931.806	970.561	1009.101	1047.289	1084.313	1119.528	1153.407
50.0	788.801	827.407	868.359	906.291	946.166	986.148	1025.392	1063.744	1101.078	1136.455
52.5	758.246	797.432	837.275	877.658	918.464	959.224	999.685	1039.610	1077.953	1115.062
55.0	725.755	765.107	805.218	846.107	887.390	928.943	970.699	1012.239	1052.438	1091.062
57.5	691.386	730.744	770.926	811.817	853.837	897.723	940.889	983.198	1023.714	1062.622
60.0	655.970	694.718	734.490	778.170	822.156	865.878	908.961	951.073	992.068	1031.497

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

62.5	619.103	659.306	702.249	745.535	789.119	832.398	875.131	917.083	957.827	997.255
65.0	585.550	627.207	669.516	712.133	754.910	797.647	839.869	881.307	921.793	960.872
67.5	554.033	595.053	636.224	677.918	719.911	761.853	803.459	844.303	884.151	925.738
70.0	522.259	562.563	602.969	643.396	684.239	725.294	766.099	806.305	849.145	893.427
72.5	490.464	529.969	569.424	609.061	648.470	688.232	728.028	771.572	817.288	861.094
75.0	458.377	497.261	536.079	574.689	613.116	651.220	694.034	740.316	786.818	828.717
77.5	426.000	464.250	502.450	540.785	577.878	618.933	664.383	709.656	753.744	796.425
80.0	393.672	430.938	468.495	505.826	545.949	591.200	635.737	679.599	722.777	765.247
82.5	361.465	397.613	434.226	473.192	518.678	563.153	607.315	650.243	692.408	733.206
85.0	329.488	364.588	401.066	446.377	491.198	535.388	578.754	621.135	662.505	702.812
87.5	297.925	331.886	375.832	420.823	463.803	507.164	549.977	591.829	632.608	672.329
90.0	267.506	308.203	351.115	393.928	436.760	479.261	520.992	562.325	602.611	641.745
92.5	245.528	285.860	327.094	368.677	410.119	451.727	492.672	532.902	572.377	611.050
95.0	226.410	265.063	304.096	344.301	384.356	424.583	464.569	504.017	542.649	579.952
97.5	209.242	245.709	283.054	321.116	359.702	399.526	436.976	475.207	513.184	549.594
100.0	193.138	227.781	263.483	299.377	336.396	373.201	410.348	447.193	483.801	519.416
102.5	179.103	211.204	245.227	279.600	314.532	349.807	385.102	420.517	455.347	489.944
105.0	166.378	196.670	228.205	260.947	293.713	327.848	361.973	395.106	428.267	461.599
107.5	154.752	183.333	212.575	243.533	274.799	307.027	339.069	370.993	402.633	434.476
110.0	144.104	170.918	198.606	227.330	256.910	287.144	317.498	347.969	378.330	408.567
112.5	134.523	159.177	185.313	212.173	240.130	268.150	296.981	325.769	354.849	383.721
115.0	125.166	147.614	172.550	197.745	223.996	250.421	277.512	304.567	332.267	359.675
117.5	115.831	137.208	159.987	183.799	208.248	233.272	258.785	284.508	310.543	336.429
120.0	106.425	126.321	147.196	169.859	192.903	216.576	240.469	264.809	289.388	313.937
122.5	96.946	115.225	135.083	156.181	177.746	200.102	222.585	245.544	268.557	291.715
125.0	87.395	104.497	123.224	142.732	162.973	183.790	204.934	226.528	248.133	269.703
127.5	78.518	93.957	111.540	129.331	148.252	167.570	187.409	207.143	228.365	248.397
130.0	70.337	84.739	100.150	116.335	133.645	152.132	169.825	188.581	207.553	226.767
132.5	63.417	75.998	89.285	103.964	119.369	135.382	152.319	169.472	187.058	204.890
135.0	57.133	67.994	79.514	92.470	105.778	120.225	135.266	151.004	166.660	182.934
137.5	51.208	60.594	70.939	81.930	93.402	106.159	119.150	132.664	146.997	161.402
140.0	45.504	53.610	62.774	72.230	82.467	93.280	104.308	116.259	128.281	141.042
142.5	40.052	47.311	55.031	63.104	72.157	81.410	90.965	101.309	111.760	121.934
145.0	35.038	41.357	47.753	54.906	62.507	70.276	78.691	87.484	96.358	103.100
147.5	30.776	35.810	41.227	47.330	53.572	59.904	67.334	74.667	80.400	86.318
150.0	26.704	30.768	35.567	40.463	45.448	51.115	56.816	61.598	66.287	71.456
152.5	22.874	26.567	30.302	34.332	38.597	42.763	46.592	50.352	54.402	58.576
155.0	19.223	22.356	25.554	28.727	31.823	34.882	37.896	40.970	44.325	47.594
157.5	15.910	18.130	20.355	22.928	25.453	27.928	30.393	33.018	35.637	38.193
160.0	12.455	14.125	16.073	17.980	19.861	21.916	23.843	25.967	28.030	30.031
162.5	9.612	11.018	12.411	13.789	15.212	16.775	18.385	19.959	21.495	22.991
165.0	7.202	8.233	9.254	10.324	11.510	12.676	13.819	14.938	16.031	17.180
167.5	5.062	5.741	6.613	7.473	8.320	9.151	9.966	10.764	11.556	12.445
170.0	3.467	4.009	4.546	5.078	5.604	6.123	6.718	7.249	7.876	8.483
172.5	2.180	2.467	2.755	3.041	3.366	3.764	4.152	4.531	4.901	5.261
175.0	0.927	1.133	1.337	1.537	1.735	1.922	2.119	2.305	2.487	2.664
177.5	0.458	0.493	0.527	0.560	0.593	0.625	0.654	0.687	0.716	0.745
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877	972.877
2.5	997.936	999.071	1000.154	1001.182	1002.155	1003.069	1003.922	1004.714	1006.712	1006.988
5.0	1023.016	1025.380	1027.633	1029.769	1031.784	1033.672	1035.431	1037.056	1038.544	1039.891
7.5	1048.409	1052.187	1055.787	1059.202	1062.421	1065.436	1068.241	1070.827	1073.189	1075.320

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

10.0	1073.428	1078.417	1083.167	1087.666	1091.902	1095.862	1099.536	1102.914	1105.988	1108.751
12.5	1096.657	1103.100	1109.183	1114.962	1120.417	1125.531	1130.285	1134.664	1138.653	1142.238
15.0	1118.738	1126.662	1134.245	1141.318	1147.878	1154.038	1159.774	1165.063	1169.927	1174.218
17.5	1139.087	1148.296	1157.134	1165.567	1173.441	1180.529	1187.124	1193.199	1198.726	1203.682
20.0	1157.108	1167.932	1177.894	1187.405	1196.416	1204.879	1212.767	1220.082	1226.781	1232.823
22.5	1171.606	1184.298	1196.380	1207.625	1218.192	1228.170	1237.415	1245.715	1253.368	1260.316
25.0	1184.976	1199.437	1213.235	1227.095	1238.035	1248.924	1259.154	1268.412	1276.412	1283.717
27.5	1196.477	1213.063	1228.452	1242.638	1256.132	1267.482	1277.730	1286.962	1295.222	1303.199
30.0	1205.993	1224.180	1241.088	1256.931	1270.858	1283.899	1294.734	1304.337	1312.710	1319.931
32.5	1212.405	1232.143	1251.252	1268.216	1284.175	1297.777	1311.061	1320.885	1330.307	1338.134
35.0	1214.429	1236.284	1256.581	1276.069	1293.311	1309.745	1323.570	1335.880	1346.020	1354.674
37.5	1213.101	1236.951	1258.780	1279.718	1299.025	1316.352	1333.450	1346.258	1359.430	1369.400
40.0	1208.071	1233.566	1257.296	1279.851	1301.634	1319.925	1336.963	1352.067	1364.924	1376.864
42.5	1203.209	1230.614	1255.823	1279.722	1302.306	1322.065	1339.619	1355.250	1367.840	1378.533
45.0	1196.542	1225.262	1251.960	1277.206	1300.723	1321.531	1340.406	1357.327	1371.111	1382.911
47.5	1185.541	1215.461	1243.884	1270.668	1294.478	1316.308	1336.043	1352.896	1366.670	1378.320
50.0	1169.677	1201.416	1231.869	1257.711	1282.251	1304.958	1324.942	1342.044	1356.672	1368.950
52.5	1150.202	1182.673	1212.550	1240.352	1265.958	1288.721	1309.561	1329.826	1345.165	1360.064
55.0	1126.558	1159.918	1191.139	1219.131	1244.915	1268.819	1292.518	1313.250	1331.162	1345.966
57.5	1099.770	1133.895	1165.356	1194.604	1222.509	1249.416	1274.067	1295.044	1313.382	1327.496
60.0	1068.866	1104.229	1136.690	1169.443	1200.156	1227.462	1252.154	1274.199	1292.316	1306.343
62.5	1035.215	1071.608	1109.083	1143.099	1174.082	1203.530	1227.629	1250.297	1268.240	1283.545
65.0	1000.498	1041.320	1078.982	1113.946	1145.347	1174.232	1200.230	1222.694	1241.808	1258.404
67.5	968.551	1009.379	1047.147	1082.324	1114.425	1143.417	1169.699	1192.550	1212.657	1229.857
70.0	935.764	976.080	1014.474	1049.623	1082.067	1111.155	1137.620	1160.897	1181.517	1199.227
72.5	904.638	942.480	980.038	1015.774	1048.767	1077.867	1104.472	1128.259	1149.594	1167.957
75.0	870.126	909.217	946.173	980.911	1013.339	1043.323	1070.328	1094.563	1117.553	1135.534
77.5	837.377	876.440	913.018	948.052	978.056	1007.260	1034.602	1059.617	1082.134	1101.483
80.0	805.083	843.469	880.143	913.002	943.319	971.868	998.757	1023.660	1046.468	1065.423
82.5	773.362	811.493	846.616	878.525	908.712	936.903	963.276	987.795	1010.452	1028.188
85.0	741.804	779.603	813.155	844.611	874.292	902.256	928.348	952.437	974.762	991.128
87.5	710.853	746.614	779.651	810.815	840.340	868.045	894.002	918.180	939.273	954.957
90.0	679.497	713.991	746.655	777.547	806.647	834.220	860.020	885.447	903.612	919.008
92.5	647.516	681.775	714.277	745.040	773.992	801.307	826.876	850.709	868.279	883.611
95.0	615.722	650.078	682.577	713.195	742.074	769.330	794.847	818.058	833.979	848.622
97.5	584.561	619.296	650.694	681.760	710.669	738.256	763.817	784.925	800.167	814.222
100.0	554.045	587.332	619.224	649.720	678.987	706.886	733.294	752.213	766.768	780.237
102.5	523.836	556.684	588.319	618.611	647.512	675.032	701.178	717.400	732.105	745.560
105.0	494.222	526.313	557.531	587.632	616.354	643.758	667.399	682.788	697.029	710.108
107.5	465.674	496.712	526.972	556.371	584.889	612.274	634.443	647.953	661.856	674.655
110.0	438.347	468.119	497.166	525.606	553.389	580.215	597.363	612.004	625.715	638.326
112.5	412.290	440.630	468.354	495.695	522.437	546.331	561.485	575.801	589.061	601.035
115.0	387.035	414.100	440.606	466.795	492.360	511.995	526.477	540.184	552.886	564.561
117.5	362.516	388.294	413.642	438.720	463.160	478.576	492.328	505.337	517.440	528.605
120.0	338.624	363.045	387.211	411.133	432.125	445.842	458.877	471.160	482.610	493.193
122.5	315.042	338.174	361.130	383.812	400.403	413.385	425.736	437.286	448.191	458.197
125.0	291.752	313.406	335.070	355.960	368.921	382.021	392.927	403.888	414.088	423.498
127.5	268.817	289.772	309.382	325.591	337.667	349.175	360.219	370.571	380.200	388.986
130.0	245.945	265.046	283.996	295.810	307.035	317.763	328.007	337.614	346.552	354.791
132.5	222.725	240.564	255.185	266.093	276.784	286.784	296.248	305.121	313.371	320.967
135.0	199.236	215.254	226.289	236.672	246.383	255.893	264.716	272.942	280.548	287.510
137.5	175.864	187.842	197.916	207.484	217.412	225.256	233.463	241.093	248.126	254.539
140.0	152.527	161.941	170.932	179.398	187.622	195.664	203.169	210.122	216.507	222.311
142.5	130.138	138.265	146.065	153.520	160.788	167.955	174.652	180.866	186.583	191.789
145.0	110.191	117.032	123.609	129.905	136.264	142.482	148.316	153.751	158.771	163.360
147.5	92.316	98.071	103.638	109.208	114.429	119.653	124.561	129.139	133.373	137.250

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

150.0	76.442	81.239	85.837	90.357	94.988	99.362	103.467	107.292	110.826	114.059
152.5	62.612	66.505	70.247	74.115	77.935	81.539	84.919	88.068	90.978	93.641
155.0	50.770	53.848	56.859	60.104	63.188	66.105	68.848	71.409	73.782	75.959
157.5	40.680	43.092	45.614	48.154	50.576	52.874	55.044	57.076	58.966	60.707
160.0	31.965	33.885	35.930	37.891	39.764	41.542	43.204	44.794	46.257	47.605
162.5	24.482	26.068	27.603	29.130	30.550	31.891	33.152	34.328	35.417	36.416
165.0	18.315	19.513	20.664	21.766	22.816	23.811	24.749	25.627	26.443	27.193
167.5	13.305	14.135	14.929	15.695	16.423	17.113	17.764	18.374	18.941	19.463
170.0	9.070	9.636	10.179	10.699	11.194	11.662	12.104	12.517	12.900	13.253
172.5	5.609	5.945	6.269	6.579	6.875	7.156	7.422	7.671	7.890	8.115
175.0	2.835	3.001	3.161	3.315	3.461	3.600	3.731	3.854	3.968	4.073
177.5	0.773	0.800	0.825	0.850	0.873	0.895	0.916	0.935	0.985	0.992
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	972.877	972.877	972.877	972.877	972.877
2.5	1007.268	1007.549	1007.833	1008.118	1008.403
5.0	1042.305	1042.835	1043.368	1043.904	1044.442
7.5	1077.215	1080.002	1080.784	1081.571	1082.360
10.0	1111.196	1113.317	1115.778	1116.745	1117.715
12.5	1145.408	1148.151	1151.360	1152.554	1153.754
15.0	1178.049	1181.361	1185.333	1186.662	1188.085
17.5	1208.046	1211.805	1214.944	1217.773	1219.341
20.0	1238.167	1242.780	1246.633	1250.108	1251.964
22.5	1266.504	1271.880	1276.397	1280.492	1282.708
25.0	1290.265	1295.996	1300.857	1305.289	1307.816
27.5	1310.501	1317.029	1322.761	1327.935	1331.044
30.0	1328.253	1335.466	1341.507	1346.936	1350.003
32.5	1343.887	1351.671	1358.736	1365.417	1369.304
35.0	1360.795	1364.881	1372.634	1379.539	1385.017
37.5	1376.641	1380.334	1382.940	1391.273	1398.169
40.0	1386.264	1393.732	1395.891	1398.870	1408.588
42.5	1388.019	1396.734	1404.877	1406.170	1412.687
45.0	1392.990	1400.855	1406.181	1409.634	1411.150
47.5	1387.709	1394.376	1403.321	1407.213	1412.687
50.0	1380.858	1391.445	1396.707	1397.029	1408.588
52.5	1372.840	1380.502	1383.048	1389.138	1398.169
55.0	1358.321	1363.951	1367.432	1377.192	1385.017
57.5	1338.197	1345.539	1352.801	1362.052	1369.304
60.0	1317.160	1325.333	1335.117	1343.648	1350.003
62.5	1295.004	1304.347	1315.051	1324.021	1331.044
65.0	1271.091	1282.432	1292.872	1301.359	1307.816
67.5	1243.996	1256.665	1267.492	1277.360	1282.708
70.0	1214.191	1226.764	1237.318	1246.868	1251.964
72.5	1182.981	1195.183	1205.312	1214.371	1219.341
75.0	1150.419	1162.881	1173.336	1182.776	1188.085
77.5	1115.894	1128.373	1138.862	1148.346	1153.754
80.0	1079.947	1092.418	1102.844	1112.214	1117.715
82.5	1042.951	1055.698	1066.521	1076.369	1082.360
85.0	1005.487	1017.981	1028.617	1038.300	1044.442
87.5	968.991	981.354	992.038	1001.868	1008.403
90.0	933.164	945.515	956.242	966.145	972.877
92.5	897.328	909.556	920.277	930.241	937.180
95.0	861.941	873.899	884.462	894.331	901.312

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

CANDELA TABULATION - (Cont.)

97.5	826.835	838.593	848.832	858.422	865.273
100.0	792.566	803.707	813.615	822.916	829.576
102.5	757.745	768.642	778.242	787.190	793.537
105.0	721.999	732.681	742.136	750.979	757.327
107.5	686.320	696.820	706.134	714.856	721.118
110.0	649.807	660.127	669.260	677.805	683.883
112.5	612.200	622.198	631.019	639.248	645.112
115.0	575.185	584.741	593.212	600.931	606.852
117.5	538.805	548.011	556.201	563.888	569.447
120.0	502.877	511.631	519.427	526.752	532.042
122.5	467.347	475.610	482.959	489.858	494.808
125.0	432.089	439.834	446.707	453.151	457.744
127.5	397.171	404.456	410.904	416.942	421.193
130.0	362.300	369.050	375.013	380.590	384.471
132.5	327.879	334.076	339.529	344.618	348.090
135.0	293.804	299.409	304.304	308.849	311.881
137.5	260.316	265.437	269.886	274.002	276.696
140.0	227.522	232.126	237.397	239.794	242.194
142.5	196.472	200.619	205.363	207.552	209.742
145.0	167.503	171.187	175.407	177.373	179.340
147.5	140.756	143.878	147.455	149.135	150.816
150.0	116.982	119.583	122.559	123.962	125.367
152.5	96.049	98.195	100.563	101.816	102.992
155.0	77.935	79.702	81.713	82.702	83.692
157.5	62.292	63.715	65.335	66.144	66.954
160.0	48.833	49.935	51.191	51.813	52.436
162.5	37.322	38.133	39.054	39.510	39.967
165.0	27.876	28.490	29.187	29.538	29.890
167.5	19.940	20.606	20.854	21.102	21.350
170.0	13.574	14.024	14.188	14.353	14.518
172.5	8.309	8.583	8.682	8.782	8.882
175.0	4.260	4.305	4.350	4.396	4.441
177.5	0.998	1.005	1.012	1.018	1.025
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	355.38	N.A.	8.40
0-30	761.19	N.A.	18.00
0-40	1260.83	N.A.	29.80
0-60	2311.44	N.A.	54.60
0-80	3147.76	N.A.	74.30
0-90	3457.45	N.A.	81.70
10-90	3365.92	N.A.	79.50
20-40	905.45	N.A.	21.40
20-50	1440.85	N.A.	34.00
40-70	1505.9	N.A.	35.60
60-80	836.32	N.A.	19.80
70-80	381.03	N.A.	9.00
80-90	309.69	N.A.	7.30
90-110	441.67	N.A.	10.40
90-120	584.55	N.A.	13.80
90-130	681.42	N.A.	16.10
90-150	764.42	N.A.	18.10
90-180	776.35	N.A.	18.30
110-180	334.69	N.A.	7.90
0-180	4233.8	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.53
10-20	263.85
20-30	405.82
30-40	499.64
40-50	535.40
50-60	515.21
60-70	455.29
70-80	381.03
80-90	309.69
90-100	248.19
100-110	193.48
110-120	142.88
120-130	96.87
130-140	56.49
140-150	26.51
150-160	9.53
160-170	2.22
170-180	0.18

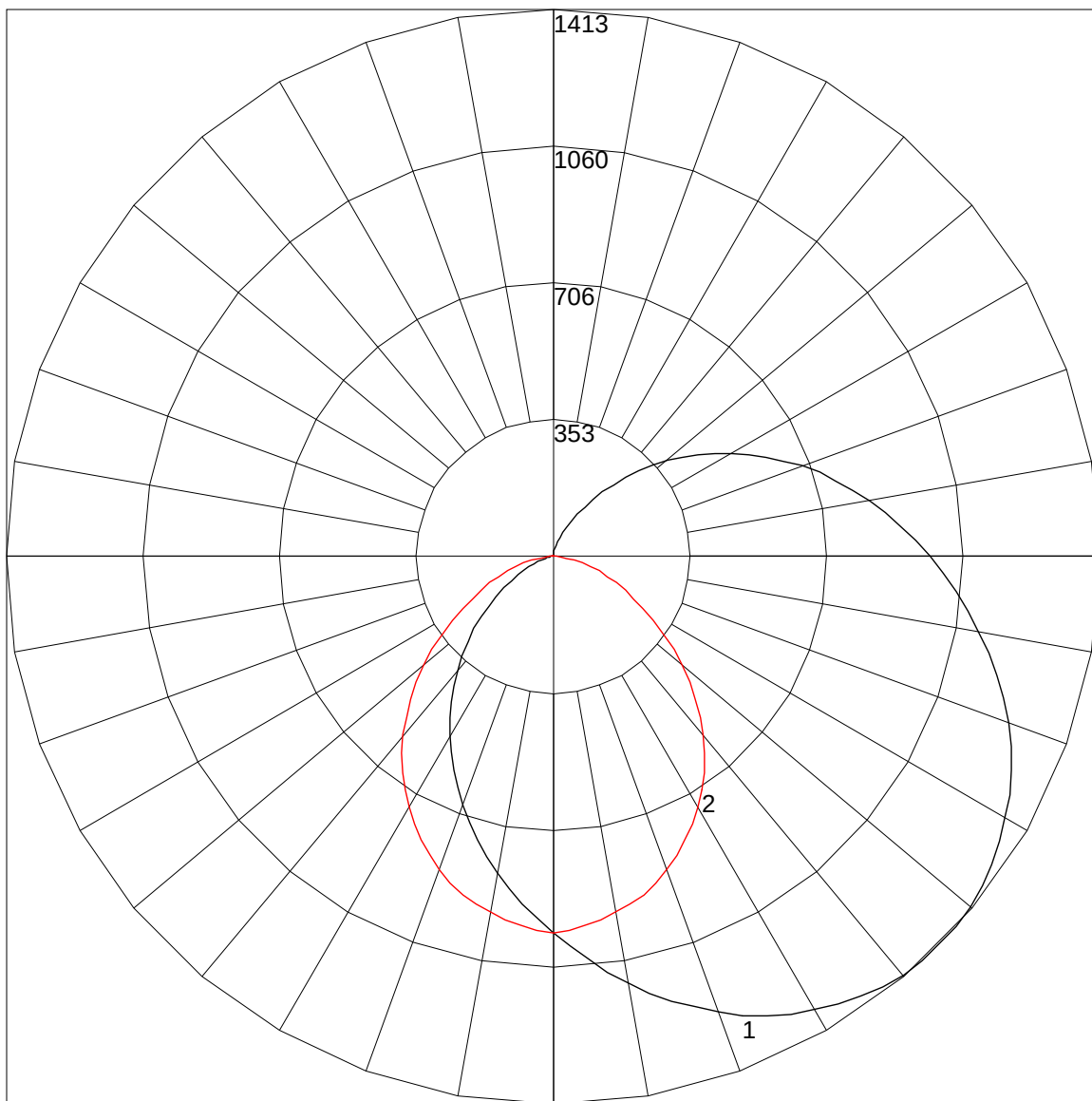
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCNL48HFA30.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	82
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62
2	92	82	74	68	87	79	72	66	72	66	61	66	61	57	60	57	53	50
3	83	71	63	55	79	68	60	54	63	56	50	58	52	47	53	48	44	41
4	76	63	54	46	72	60	52	45	55	48	42	51	45	40	47	42	37	35
5	69	56	46	39	66	54	45	38	49	42	36	45	39	34	42	36	32	30
6	64	50	41	34	61	48	40	33	44	37	32	41	35	30	38	32	28	26
7	59	45	36	30	56	43	35	29	40	33	28	37	31	26	34	29	25	22
8	55	41	32	26	52	40	31	26	37	30	25	34	28	23	32	26	22	20
9	51	38	29	24	49	36	28	23	34	27	22	31	25	21	29	24	20	18
10	48	35	27	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16

POLAR GRAPH



Maximum Candela = 1412.687 Located At Horizontal Angle = 0, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)