



**IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES**

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 11890707.05P2
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 7/15/2022
 [MANUFAC] Lamar LED
 [LUMCAT] TCCL48M-40
 [LUMINAIRE] White formed steel housing, frosted plastic lens enclosure
 [LAMP] 112 white LEDs
 [BALLAST] One Espen VPL50-xxx-MVHDA-PD-2C driver
 [OTHER] 25.6 C, 120.074 V, 0.276 A, 33.2 W, 0.995853 PF, 59.9981
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.
 [_ CONVERT] Luminaire test position and photometric web converted from original test data
 [_ CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	33.2
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.96
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	35987	22149	11637
55	42910	23434	9698
65	55147	24497	7505
75	81485	26145	4824
85	195680	30029	1271

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES**

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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	871.355	871.257	871.157	871.060	870.962	870.865	870.770	869.282	868.768	868.201
5.0	898.634	898.449	898.263	898.079	897.896	896.290	895.488	894.578	893.562	892.443
7.5	924.173	923.907	923.642	923.378	921.765	920.748	919.571	918.236	916.744	915.103
10.0	947.826	947.489	947.154	945.825	944.721	943.403	941.875	940.140	938.205	936.075
12.5	970.171	969.807	969.445	967.827	966.491	964.862	963.000	960.855	958.452	955.799
15.0	992.372	991.972	991.573	989.575	987.941	985.963	983.649	981.009	978.052	974.792
17.5	1013.702	1013.346	1012.125	1010.684	1008.809	1006.503	1003.776	1000.638	997.103	993.186
20.0	1033.437	1033.150	1031.868	1030.331	1028.294	1025.765	1022.754	1019.277	1015.350	1011.005
22.5	1052.011	1051.688	1050.220	1048.488	1046.208	1043.406	1040.108	1036.343	1032.142	1027.134
25.0	1069.568	1069.231	1067.556	1065.564	1062.941	1059.718	1055.930	1051.619	1046.712	1040.743
27.5	1085.095	1084.872	1083.156	1081.063	1078.238	1074.714	1070.534	1065.283	1058.803	1051.878
30.0	1097.283	1097.438	1096.051	1094.207	1091.528	1088.040	1082.889	1076.323	1069.206	1061.591
32.5	1107.731	1108.248	1107.077	1105.430	1102.833	1098.085	1092.166	1085.359	1078.462	1069.293
35.0	1116.582	1116.970	1116.405	1114.799	1110.767	1105.768	1099.431	1092.516	1084.118	1076.699
37.5	1123.692	1124.301	1123.891	1120.879	1116.956	1111.317	1106.717	1101.044	1094.863	1085.419
40.0	1128.190	1130.020	1128.518	1125.372	1124.360	1122.335	1117.526	1111.139	1102.682	1092.711
42.5	1130.802	1133.989	1137.063	1140.219	1139.041	1135.647	1130.215	1122.619	1112.729	1101.550
45.0	1146.474	1171.759	1178.771	1173.470	1166.833	1158.051	1147.925	1136.496	1123.720	1110.287
47.5	1130.802	1133.890	1140.267	1144.265	1148.215	1146.733	1141.904	1134.575	1125.028	1114.012
50.0	1128.190	1130.349	1127.793	1128.034	1128.407	1125.620	1122.335	1116.706	1108.755	1098.848
52.5	1123.692	1124.487	1122.859	1118.622	1115.178	1112.686	1107.272	1100.422	1091.343	1081.835
55.0	1116.582	1117.130	1116.276	1111.493	1105.843	1099.237	1094.008	1085.960	1075.935	1064.128
57.5	1107.731	1107.888	1106.636	1102.399	1095.799	1087.303	1079.545	1071.391	1061.479	1049.453
60.0	1097.283	1096.886	1095.037	1091.157	1084.069	1075.419	1065.103	1055.836	1045.729	1033.736
62.5	1085.095	1083.946	1081.327	1077.233	1070.099	1061.356	1051.090	1039.834	1029.158	1017.505
65.0	1069.568	1068.123	1065.250	1060.996	1054.523	1045.863	1035.710	1024.402	1011.666	998.800
67.5	1052.011	1051.234	1047.701	1043.537	1037.829	1029.190	1018.748	1006.834	993.520	978.819
70.0	1033.437	1032.650	1029.067	1024.728	1018.943	1010.189	999.489	987.050	973.349	958.279
72.5	1013.702	1012.573	1008.632	1003.928	997.755	989.215	978.384	966.195	952.719	937.795
75.0	992.372	990.878	986.706	981.858	975.686	967.844	957.809	944.877	931.378	916.379
77.5	970.171	968.533	964.327	959.437	953.221	945.691	935.094	922.739	908.967	893.710
80.0	947.826	945.918	941.478	936.403	930.073	922.516	912.371	899.602	885.380	869.892
82.5	924.173	922.154	917.545	912.286	905.744	897.945	888.123	874.947	860.134	843.972
85.0	898.634	896.512	891.752	886.320	879.563	871.501	862.069	848.546	833.389	816.813
87.5	871.355	869.092	864.190	858.625	851.751	843.590	834.171	821.212	805.799	789.031
90.0	842.624	840.277	835.347	829.774	822.925	814.821	805.491	794.480	777.811	760.922
92.5	813.168	810.766	805.853	800.315	793.533	785.527	776.322	765.218	749.452	732.329
95.0	783.276	780.824	775.944	770.434	763.683	755.698	746.486	736.066	720.594	703.454
97.5	753.385	750.767	745.790	740.200	733.402	725.397	716.191	705.796	691.607	674.566
100.0	723.203	720.412	715.341	709.689	702.884	694.932	685.843	675.633	662.885	646.007
102.5	692.731	689.839	684.798	679.203	672.512	664.725	655.847	645.888	634.722	618.040
105.0	662.984	659.964	654.882	649.275	642.632	634.953	626.248	616.531	605.815	590.524
107.5	633.238	630.153	625.037	619.420	612.805	605.204	596.634	587.114	577.881	563.189
110.0	602.620	599.687	594.602	589.142	582.722	575.350	567.037	557.799	547.758	536.017
112.5	572.439	569.409	564.511	559.148	552.858	545.649	537.529	528.513	518.615	507.857
115.0	542.257	539.241	534.425	529.159	522.998	515.948	508.019	499.221	489.571	479.134
117.5	512.075	509.077	504.359	499.212	493.209	486.355	478.661	470.133	460.787	450.693
120.0	482.184	479.207	474.589	469.565	463.726	457.078	449.630	441.395	432.380	422.682
122.5	452.582	449.643	445.153	440.280	434.645	428.255	421.119	413.250	404.661	395.362
125.0	423.416	420.560	416.220	411.511	406.062	399.881	392.972	385.344	377.007	368.630
127.5	394.540	391.728	387.507	382.942	377.684	371.743	365.126	357.844	349.909	341.334
130.0	365.954	363.240	359.167	354.763	349.696	343.974	337.605	330.603	322.979	314.744
132.5	337.224	334.630	330.723	326.500	321.638	316.149	310.046	303.338	296.040	288.165

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

135.0	308.203	305.763	302.095	298.131	293.566	288.413	282.678	276.373	269.509	262.097
137.5	279.907	277.607	274.122	270.438	266.004	261.091	255.742	249.607	243.058	236.029
140.0	251.322	249.180	247.038	242.392	238.326	233.732	228.619	222.999	216.884	210.288
142.5	223.026	221.066	219.108	214.786	211.009	206.732	201.961	196.707	190.980	184.791
145.0	195.021	193.228	191.436	187.410	183.899	179.911	175.454	170.537	165.168	159.357
147.5	167.161	165.521	163.883	160.107	156.822	153.079	148.886	144.249	139.177	133.677
150.0	138.967	137.474	136.082	132.432	129.352	125.829	121.869	117.478	112.664	107.434
152.5	110.134	108.777	107.421	104.095	101.217	97.913	94.189	90.048	85.499	80.545
155.0	80.679	79.445	78.213	75.070	72.359	69.232	65.694	61.750	57.404	52.664
157.5	49.960	48.838	47.718	44.858	42.430	39.668	36.587	33.208	29.544	25.616
160.0	18.501	17.835	17.170	15.703	14.474	13.133	11.702	10.203	8.658	7.087
162.5	1.335	1.284	1.234	1.131	1.039	0.943	0.844	0.734	0.625	0.516
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>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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	867.584	866.916	866.202	865.440	864.633	863.784	862.893	861.942	860.992	859.988
5.0	891.223	889.906	888.493	886.988	885.396	883.719	881.962	880.128	878.222	876.248
7.5	913.314	911.384	909.316	907.117	904.792	902.348	899.791	897.127	894.362	891.331
10.0	933.755	931.255	928.579	925.737	922.738	919.590	916.093	912.425	908.625	904.704
12.5	952.904	949.777	946.428	942.869	938.987	934.908	930.654	926.239	921.676	916.978
15.0	971.242	967.417	963.281	958.838	954.152	949.238	944.116	938.768	933.125	927.332
17.5	988.904	984.244	979.259	973.985	968.448	962.949	956.457	950.041	943.432	936.542
20.0	1005.956	1000.414	994.492	988.219	981.504	974.233	966.731	959.653	950.865	942.579
22.5	1021.508	1015.192	1008.202	1000.372	992.168	983.689	974.954	966.006	956.886	947.375
25.0	1034.152	1027.568	1019.027	1010.596	1001.754	991.984	981.982	971.758	961.351	951.507
27.5	1044.519	1036.484	1028.125	1018.991	1009.099	999.855	987.575	976.075	964.374	952.514
30.0	1053.169	1044.428	1035.054	1025.284	1014.744	1003.456	991.544	978.725	965.778	952.697
32.5	1060.254	1050.446	1040.423	1030.195	1019.467	1007.386	994.944	981.073	967.052	952.648
35.0	1067.677	1058.047	1047.339	1036.032	1023.729	1010.616	996.773	981.918	966.741	950.891
37.5	1075.617	1064.598	1052.670	1040.186	1026.287	1011.879	996.673	980.679	965.196	947.126
40.0	1081.835	1069.174	1055.999	1042.106	1026.761	1010.919	994.421	977.270	959.697	941.223
42.5	1089.149	1075.206	1060.506	1045.084	1028.012	1010.460	992.457	973.647	954.167	933.935
45.0	1096.146	1080.370	1063.896	1046.755	1028.416	1009.428	990.163	970.445	949.649	928.392
47.5	1099.600	1082.502	1064.251	1045.372	1025.861	1005.800	985.427	964.655	943.023	920.712
50.0	1086.619	1072.858	1058.135	1040.457	1020.318	999.492	978.348	956.458	934.037	911.034
52.5	1070.495	1057.027	1041.706	1024.965	1007.063	988.294	968.720	946.267	922.826	898.600
55.0	1052.871	1039.689	1024.575	1007.857	990.150	971.579	951.613	930.747	908.883	883.996
57.5	1035.708	1020.997	1005.868	989.490	971.913	952.748	932.665	911.672	888.790	865.324
60.0	1019.706	1003.515	986.139	969.749	951.636	932.448	912.153	890.319	867.543	844.108
62.5	1002.413	986.200	968.328	948.581	929.886	910.524	889.782	867.924	845.091	821.027
65.0	983.818	967.355	949.030	929.258	907.872	887.033	866.265	844.240	821.044	796.527
67.5	963.756	947.101	928.859	909.081	887.334	864.174	841.379	819.154	795.627	769.981
70.0	943.003	926.271	908.021	887.674	865.829	842.428	817.350	792.705	768.141	742.018
72.5	921.724	904.643	885.894	865.350	844.589	819.433	793.909	766.540	739.348	713.196
75.0	899.724	881.934	862.846	841.984	819.411	794.869	769.910	740.971	711.880	683.623
77.5	876.721	859.244	838.409	817.145	793.729	768.917	742.513	714.700	685.651	655.186
80.0	852.186	833.296	812.376	790.535	766.973	742.472	715.604	687.859	658.742	628.401

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

82.5	825.977	806.449	785.342	763.058	739.539	714.605	688.352	660.494	631.692	601.273
85.0	798.657	778.944	757.790	735.127	711.660	686.648	660.408	632.919	603.995	573.785
87.5	770.789	751.021	730.050	707.086	683.296	658.594	632.593	605.035	576.235	546.113
90.0	742.608	722.672	701.408	678.880	655.174	630.459	604.419	577.126	548.531	519.166
92.5	713.869	694.175	672.997	650.643	626.974	602.250	576.513	549.734	521.911	492.939
95.0	685.064	665.385	644.423	622.258	598.977	574.603	549.634	523.396	496.055	467.523
97.5	656.262	636.784	616.133	595.222	571.751	548.162	523.818	497.974	471.250	444.337
100.0	627.913	608.719	588.576	567.360	545.288	522.308	498.712	473.844	447.383	419.702
102.5	600.267	581.428	561.641	540.878	519.354	497.111	474.137	450.548	424.369	396.919
105.0	572.981	554.448	535.123	514.931	493.939	472.234	449.780	426.552	402.452	375.050
107.5	545.987	527.889	508.962	489.229	468.701	447.373	425.474	402.701	379.486	354.044
110.0	519.149	501.651	482.890	463.530	443.381	422.641	401.212	379.242	356.744	334.135
112.5	492.333	474.970	456.843	438.019	418.452	398.299	377.540	356.237	334.594	312.422
115.0	465.673	448.776	431.141	412.895	393.941	374.438	354.485	333.905	313.067	291.747
117.5	439.367	422.984	405.869	388.329	370.117	351.276	331.981	312.161	292.075	271.608
120.0	412.376	397.885	381.440	364.356	346.689	328.458	309.957	290.972	271.604	251.968
122.5	385.348	373.045	357.063	340.629	323.746	306.316	288.469	270.226	251.591	232.966
125.0	358.457	348.295	333.355	317.552	301.278	284.513	267.362	249.989	232.280	214.475
127.5	332.153	322.377	309.904	295.302	279.088	263.081	247.151	230.183	213.347	196.329
130.0	305.927	296.549	286.658	272.024	257.198	242.016	226.467	210.689	194.687	179.313
132.5	279.801	270.953	261.580	249.770	235.805	221.145	206.359	191.465	176.359	161.100
135.0	254.145	245.669	236.693	227.232	214.045	200.477	186.620	173.003	158.175	143.628
137.5	229.193	220.481	212.082	203.240	192.910	180.066	166.935	153.816	139.860	125.932
140.0	203.221	195.730	187.799	179.438	170.659	159.580	147.120	134.373	121.312	107.861
142.5	178.150	171.079	163.582	155.666	147.345	138.603	127.038	115.103	102.313	89.320
145.0	153.114	146.422	139.270	131.710	123.753	115.409	106.519	94.743	82.968	70.440
147.5	127.760	121.793	114.559	107.289	99.627	91.599	83.070	74.075	62.849	51.639
150.0	101.795	95.756	89.226	82.264	74.914	67.185	59.086	50.272	41.064	31.169
152.5	75.196	69.457	63.252	56.497	49.353	41.933	33.928	26.274	19.371	12.397
155.0	47.527	42.009	36.114	30.525	24.824	18.965	12.965	6.842	4.035	2.494
157.5	21.439	17.031	12.410	8.693	6.718	4.880	3.164	1.620	0.281	0.177
160.0	5.509	3.946	2.414	0.932	0.506	0.377	0.259	0.155	0.066	0.000
162.5	0.405	0.297	0.192	0.091	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>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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	858.950	857.880	856.782	855.656	854.505	853.333	852.139	850.929	849.704	848.465
5.0	874.210	872.114	869.963	867.763	865.424	863.030	860.601	858.138	855.650	853.142
7.5	888.188	884.958	881.651	878.274	874.832	871.321	867.795	865.065	860.393	856.587
10.0	900.671	896.537	892.316	887.761	883.079	878.333	873.532	868.689	863.812	858.743
12.5	911.832	906.541	901.146	895.663	890.102	884.130	877.992	871.918	865.764	860.472
15.0	921.403	915.356	908.829	902.134	895.362	888.532	881.251	873.831	866.395	858.956
17.5	929.188	921.715	914.149	906.189	897.974	889.734	881.352	872.501	863.678	854.906
20.0	934.172	925.412	916.538	907.606	898.138	888.597	879.072	868.898	858.735	848.744
22.5	937.713	927.921	917.701	907.374	896.896	886.055	875.259	863.807	852.321	840.819
25.0	939.868	928.879	917.488	905.890	894.151	882.028	869.985	857.166	844.387	831.411
27.5	940.501	928.276	915.759	902.827	889.820	876.448	864.074	848.926	834.902	820.390

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

30.0	939.489	926.030	912.383	898.094	883.835	869.266	854.488	839.058	823.598	807.737
32.5	938.142	923.338	908.268	892.700	876.965	861.088	844.692	828.053	810.930	793.796
35.0	934.988	918.813	902.290	885.466	868.318	851.233	833.298	815.389	796.812	778.360
37.5	929.825	912.352	894.370	876.322	857.814	839.200	820.218	800.659	781.021	761.133
40.0	922.539	904.813	884.460	865.017	845.433	825.379	805.195	784.193	763.049	742.270
42.5	913.066	892.904	872.544	851.724	830.897	809.845	787.868	765.904	743.621	721.562
45.0	906.701	884.225	861.505	838.425	814.886	792.062	768.922	745.521	722.302	699.195
47.5	897.910	874.518	850.663	826.552	802.180	776.301	750.210	723.948	699.122	675.110
50.0	886.867	862.533	839.097	812.791	786.645	759.861	732.474	705.136	677.943	650.762
52.5	873.764	848.713	823.078	796.801	769.262	741.079	712.884	684.727	656.593	628.636
55.0	858.581	832.773	806.441	778.209	749.519	720.555	691.500	662.568	633.772	605.010
57.5	841.311	814.802	786.562	757.530	727.861	698.092	668.466	639.752	609.322	579.603
60.0	819.273	792.880	764.818	734.541	704.249	674.047	643.933	613.601	583.127	552.597
62.5	795.551	768.281	739.265	709.502	679.058	648.438	617.609	586.577	555.136	523.775
65.0	769.974	741.831	712.745	682.905	652.366	621.098	589.674	557.469	525.360	493.597
67.5	742.803	714.558	685.397	655.435	624.685	594.785	559.610	526.629	494.135	462.003
70.0	714.758	686.451	657.225	627.172	596.230	563.517	529.852	495.309	461.392	428.742
72.5	685.905	657.558	628.327	598.152	566.348	533.500	499.698	464.993	429.227	393.866
75.0	656.278	627.993	598.734	567.936	536.034	503.105	469.297	434.438	398.480	361.189
77.5	626.035	598.155	568.141	537.301	505.377	472.604	438.776	403.853	367.640	330.418
80.0	596.872	566.852	537.171	506.387	474.773	442.095	408.320	373.317	337.287	300.294
82.5	569.662	536.675	506.036	475.688	444.272	411.761	378.081	343.365	307.661	271.049
85.0	542.163	509.725	475.844	445.219	414.085	381.821	348.531	314.237	279.009	243.415
87.5	515.038	483.769	449.584	415.254	384.459	352.694	319.924	286.168	252.197	217.559
90.0	488.559	456.798	423.982	390.018	355.799	324.658	292.530	260.217	227.386	193.733
92.5	462.713	431.548	399.175	365.750	331.604	298.061	267.451	236.535	204.734	172.072
95.0	437.913	407.157	375.218	342.550	309.323	276.021	245.000	215.079	184.092	152.363
97.5	413.985	383.634	352.328	320.635	288.965	257.300	225.914	195.462	165.116	134.791
100.0	390.863	361.006	330.762	300.135	269.808	239.369	208.679	177.707	148.135	119.798
102.5	368.607	339.668	310.523	281.267	251.724	221.942	191.840	162.386	133.422	107.079
105.0	347.412	319.586	291.335	262.891	234.130	204.951	176.546	148.497	121.536	96.089
107.5	327.268	300.270	272.804	245.173	217.216	189.639	162.927	136.039	111.152	87.140
110.0	307.845	281.614	255.020	228.346	201.569	175.505	149.756	125.269	101.688	79.089
112.5	289.173	263.705	238.174	212.493	187.196	162.791	138.305	115.232	92.846	71.723
115.0	270.262	246.628	222.120	197.529	173.772	150.230	127.620	105.632	84.547	64.207
117.5	250.875	229.947	206.776	183.696	160.968	138.696	117.224	96.284	76.162	56.410
120.0	232.041	212.296	192.109	170.136	148.417	127.465	106.932	87.014	67.418	48.146
122.5	214.056	195.155	176.086	156.730	136.200	116.235	96.612	77.282	58.514	43.610
125.0	196.460	178.384	160.362	142.368	124.033	104.831	85.859	67.887	52.015	37.860
127.5	179.364	162.016	144.997	127.866	110.701	93.007	75.143	58.558	43.327	29.712
130.0	162.379	146.114	129.745	113.268	96.605	79.748	62.713	46.613	31.831	18.412
132.5	145.682	130.105	114.342	98.345	82.557	65.506	48.661	31.601	17.222	8.156
135.0	128.857	113.840	98.631	82.987	67.091	50.829	34.237	19.110	6.801	0.518
137.5	111.771	97.186	82.336	67.164	51.832	35.826	23.051	10.748	4.615	1.259
140.0	94.145	80.070	65.585	50.871	37.657	25.144	15.056	8.882	4.287	1.647
142.5	76.015	62.454	49.713	37.322	25.900	17.661	10.606	5.723	2.090	0.449
145.0	58.366	46.418	35.263	25.577	16.975	10.303	5.113	1.066	0.513	0.094
147.5	40.813	30.679	21.257	13.854	7.667	2.122	0.946	0.361	0.000	0.000
150.0	22.023	14.923	8.273	2.099	1.265	0.575	0.000	0.000	0.000	0.000
152.5	5.573	2.086	1.306	0.570	0.000	0.000	0.000	0.000	0.000	0.000
155.0	1.220	0.224	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.096	0.038	0.004	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

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. Horizontal Angles
Angles

	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	847.217	845.960	844.698	843.433	842.168	840.905	840.277	838.350	837.076	835.815
5.0	850.616	848.080	845.537	842.993	840.454	837.926	835.347	832.790	830.256	827.750
7.5	852.766	848.934	845.101	841.274	837.461	833.625	829.774	825.959	822.185	818.459
10.0	853.615	848.484	843.361	838.256	833.218	828.029	822.925	817.877	812.892	807.981
12.5	853.122	846.698	840.297	833.930	827.542	821.147	814.757	808.573	802.415	796.285
15.0	851.258	843.557	835.899	828.494	820.606	813.002	805.491	798.614	790.681	783.376
17.5	845.874	836.889	827.885	819.165	810.379	801.759	794.480	784.937	776.784	768.859
20.0	838.204	827.886	818.365	807.464	797.419	788.149	777.811	768.295	759.040	749.810
22.5	829.026	817.401	805.796	794.288	783.016	771.840	760.922	751.569	739.660	729.381
25.0	818.304	805.368	792.367	779.630	767.037	754.683	742.608	730.610	718.972	707.670
27.5	806.017	791.636	777.408	763.395	749.580	737.475	722.672	709.646	696.998	684.745
30.0	792.056	776.322	760.894	745.597	730.686	715.678	701.408	687.406	673.841	660.661
32.5	776.561	759.557	742.575	726.327	710.094	694.242	678.880	663.992	649.456	635.362
35.0	759.885	741.639	723.652	705.880	688.428	671.504	655.174	639.279	623.840	609.056
37.5	741.555	722.110	702.984	684.102	665.732	647.913	630.459	613.502	597.263	581.772
40.0	721.452	701.006	680.711	660.921	641.663	622.796	604.419	586.731	569.759	554.085
42.5	699.793	678.162	657.001	636.318	616.065	596.273	577.126	558.700	541.617	525.396
45.0	676.343	654.501	631.796	610.196	589.007	568.412	548.531	529.982	512.339	495.790
47.5	651.377	627.993	605.098	582.544	560.539	539.211	519.166	500.065	482.042	465.206
50.0	624.778	600.654	576.778	553.424	530.676	509.132	488.559	469.054	450.769	433.624
52.5	600.870	573.118	546.967	522.836	499.818	477.782	456.798	437.036	419.483	401.139
55.0	576.195	547.667	519.399	491.985	467.670	445.225	423.982	403.905	385.177	367.703
57.5	550.018	520.589	491.907	464.013	436.936	411.555	390.018	369.855	351.055	333.502
60.0	522.113	492.272	463.157	434.746	407.272	380.858	355.799	335.017	316.691	299.640
62.5	492.901	462.672	433.007	404.171	377.941	349.735	324.658	302.571	281.931	266.104
65.0	462.354	431.558	401.462	372.436	344.077	317.592	292.530	270.001	249.979	234.159
67.5	430.207	398.978	368.446	339.036	310.975	286.019	260.217	238.479	219.110	201.959
70.0	396.520	364.816	334.120	304.679	277.635	250.857	227.386	206.241	187.419	170.445
72.5	361.115	329.256	298.545	269.169	241.815	216.639	193.493	173.259	154.937	138.620
75.0	324.236	292.385	261.739	232.954	206.143	181.514	159.430	139.798	122.486	108.339
77.5	292.262	254.234	224.105	195.764	169.477	145.847	124.950	106.665	91.850	80.887
80.0	262.405	223.948	185.327	157.481	132.393	110.290	91.067	75.652	64.794	57.099
82.5	233.960	196.091	157.354	118.738	95.694	75.588	59.651	48.930	42.173	38.795
85.0	207.100	169.952	132.561	95.650	60.055	43.739	33.194	27.397	25.767	26.299
87.5	182.114	146.227	110.474	75.637	43.739	17.488	12.675	12.862	15.739	16.518
90.0	159.430	124.950	91.067	59.651	33.194	12.675	0.000	5.241	8.238	9.149
92.5	139.008	106.150	75.299	48.772	27.364	12.856	5.241	0.004	3.037	4.007
95.0	120.763	90.939	64.085	41.931	25.699	15.708	8.238	3.057	0.015	0.954
97.5	105.292	79.002	56.241	38.518	26.100	16.445	9.149	4.042	0.988	0.005
100.0	93.382	70.121	50.724	36.307	24.554	15.201	8.070	2.956	0.434	0.018
102.5	83.358	62.633	46.169	32.448	21.133	12.046	4.929	0.869	0.065	0.000
105.0	73.822	55.474	39.967	26.816	15.874	6.874	1.304	0.120	0.000	0.000
107.5	64.562	46.903	32.081	19.412	8.572	1.721	0.174	0.000	0.000	0.000
110.0	57.966	37.577	22.477	9.973	2.098	0.210	0.000	0.000	0.000	0.000
112.5	51.297	31.548	12.249	2.402	0.199	0.000	0.000	0.000	0.000	0.000
115.0	44.406	25.023	10.476	1.841	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

117.5	37.035	22.535	12.336	5.837	1.328	0.000	0.000	0.000	0.000	0.000
120.0	33.677	21.939	13.219	6.614	2.204	0.378	0.000	0.000	0.000	0.000
122.5	30.605	19.995	11.296	4.873	1.358	0.068	0.003	0.000	0.000	0.000
125.0	25.624	15.060	6.802	2.048	0.135	0.009	0.000	0.000	0.000	0.000
127.5	17.558	8.229	2.251	0.189	0.007	0.000	0.000	0.000	0.000	0.000
130.0	8.765	1.744	0.220	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.540	0.220	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.179	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	0.200	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.139	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>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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	834.568	833.338	832.125	830.935	829.766	828.624	827.509	826.423	825.369	824.346
5.0	825.277	822.841	820.446	818.097	815.798	813.552	811.364	809.237	807.148	805.123
7.5	814.789	811.180	807.638	804.138	800.698	797.343	794.078	790.909	787.841	784.879
10.0	803.660	798.326	793.608	788.995	784.464	780.109	775.848	771.678	767.626	763.722
12.5	790.244	784.322	778.527	772.868	767.267	761.758	756.495	751.367	746.419	742.240
15.0	776.281	769.299	762.319	755.504	748.876	742.443	736.180	730.083	724.210	718.568
17.5	761.036	752.946	744.929	737.125	729.458	722.008	714.805	707.857	701.182	694.778
20.0	740.857	732.160	723.800	715.677	707.886	700.443	692.660	684.935	677.505	670.367
22.5	719.423	709.738	700.410	691.452	682.885	674.721	666.968	659.738	652.954	645.757
25.0	696.714	686.149	675.963	666.202	656.883	648.135	639.863	632.061	624.854	618.148
27.5	672.898	661.434	650.438	640.007	630.124	620.743	612.064	603.917	596.267	589.147
30.0	647.894	637.000	624.039	612.965	602.617	592.922	583.751	575.188	567.147	559.798
32.5	621.863	608.999	596.749	585.417	574.631	564.500	554.952	545.968	537.681	529.916
35.0	594.906	581.602	569.124	557.276	546.149	535.580	525.810	516.598	507.711	499.909
37.5	567.389	553.750	540.894	528.706	517.269	506.561	496.431	486.940	478.001	469.603
40.0	539.247	525.436	512.176	499.911	488.234	477.245	466.838	456.970	447.666	438.992
42.5	510.296	496.171	483.316	470.875	458.988	447.648	436.837	426.620	417.218	408.414
45.0	480.347	466.101	452.936	440.823	429.356	417.615	406.630	396.341	386.768	377.932
47.5	449.526	435.036	421.581	409.136	398.670	387.357	377.471	366.081	356.381	347.683
50.0	417.762	402.960	389.261	376.721	365.365	355.080	345.717	335.961	326.235	317.718
52.5	384.999	370.023	356.463	344.012	332.989	323.242	313.662	305.318	296.812	288.872
55.0	351.438	336.871	323.108	311.641	300.699	290.752	281.762	273.727	266.725	258.980
57.5	317.938	303.683	291.020	279.362	268.563	258.847	249.999	242.423	235.592	229.702
60.0	284.586	271.094	258.718	247.148	236.587	227.176	218.872	211.698	205.210	199.853
62.5	251.819	238.736	226.410	214.974	205.071	196.524	188.666	181.919	176.259	171.107

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES**

CANDELA TABULATION - (Cont.)

65.0	219.366	206.283	193.995	183.654	174.360	166.450	159.673	153.616	148.442	143.084
67.5	186.725	174.633	162.883	153.341	144.995	138.254	132.091	126.819	121.921	117.361
70.0	155.144	142.704	132.964	125.242	117.591	111.535	106.141	101.410	96.764	92.434
72.5	125.199	114.167	104.511	97.598	91.745	86.384	81.822	77.272	72.827	68.274
75.0	96.897	87.960	80.004	72.614	67.519	63.043	58.645	54.175	49.536	46.468
77.5	72.304	65.740	59.648	52.255	44.966	40.774	36.368	31.719	31.008	30.793
80.0	52.067	48.077	42.590	35.634	27.225	19.286	14.527	16.961	18.261	18.077
82.5	37.027	33.546	28.402	21.639	12.958	3.157	4.000	7.573	9.417	8.435
85.0	24.911	21.703	16.727	9.766	2.417	0.613	0.000	2.085	3.344	2.531
87.5	15.336	12.263	7.161	1.814	0.334	0.000	0.000	0.000	0.561	0.086
90.0	8.070	4.929	1.304	0.173	0.000	0.000	0.000	0.000	0.000	0.003
92.5	2.902	0.848	0.090	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.418	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.015	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
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>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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	823.360	822.410	821.499	820.627	819.745	819.010	818.268	817.569	816.920	816.317
5.0	803.171	801.294	799.495	797.722	796.146	794.599	793.142	791.777	790.504	789.328
7.5	782.027	779.289	777.618	774.137	771.745	769.483	767.358	765.372	763.526	761.824
10.0	759.971	756.380	752.951	749.692	746.604	743.664	740.898	738.318	735.926	733.726

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

12.5	737.027	732.605	728.391	724.391	720.608	717.049	714.125	710.599	707.715	705.066
15.0	713.165	708.005	703.092	698.431	694.028	689.885	686.009	682.404	679.141	676.160
17.5	688.647	682.795	677.228	672.047	667.169	662.591	658.317	654.353	650.701	647.391
20.0	663.706	657.317	651.252	645.517	640.170	635.164	630.492	626.161	622.174	619.522
22.5	638.437	631.548	625.008	618.822	612.998	607.495	602.350	597.570	593.160	589.124
25.0	611.906	605.522	598.442	591.733	585.400	579.462	573.949	568.836	564.126	559.825
27.5	582.246	576.395	570.787	564.445	557.709	551.391	545.497	540.032	535.002	530.412
30.0	552.739	546.352	540.474	535.116	529.838	523.130	517.235	511.076	505.743	500.881
32.5	522.694	516.027	509.889	503.979	499.216	494.688	488.092	482.019	476.467	471.382
35.0	492.400	485.431	479.022	473.184	467.988	463.398	459.380	454.040	447.347	442.142
37.5	461.774	454.548	448.031	442.099	436.784	432.182	428.172	424.367	418.551	413.308
40.0	431.052	423.709	417.077	411.116	405.764	401.228	397.037	394.143	390.285	384.782
42.5	400.356	392.977	386.258	380.437	375.239	370.681	366.753	363.418	361.036	356.372
45.0	369.775	362.538	355.926	350.042	344.788	340.128	336.337	333.170	330.621	328.358
47.5	339.619	332.367	325.763	319.838	314.729	310.230	306.418	303.250	300.684	298.756
50.0	309.764	302.483	296.020	290.158	285.079	280.597	276.760	273.623	271.033	269.037
52.5	280.293	273.061	266.675	260.877	255.840	251.155	247.611	244.503	241.943	239.940
55.0	251.223	244.132	237.851	232.288	227.268	222.951	219.141	215.801	213.282	211.120
57.5	222.697	216.015	209.826	204.352	199.342	195.045	191.204	187.925	185.288	183.128
60.0	194.942	188.605	182.471	177.105	172.183	167.864	164.090	160.745	157.895	155.524
62.5	166.406	161.914	156.034	150.691	145.895	141.475	137.485	133.915	130.751	128.089
65.0	139.138	134.914	130.475	125.098	120.093	115.443	111.075	107.160	103.588	100.476
67.5	113.097	108.949	104.873	99.878	94.466	89.415	84.547	80.088	76.066	72.433
70.0	88.041	83.642	79.532	74.625	68.697	62.998	57.629	52.591	48.300	45.735
72.5	63.904	60.866	56.412	50.062	42.521	36.205	30.926	28.221	25.064	23.955
75.0	44.598	41.121	35.504	27.675	17.581	13.519	10.555	11.786	11.187	9.300
77.5	28.495	24.104	17.156	10.125	3.203	0.653	3.352	3.914	2.671	0.919
80.0	15.196	9.812	5.047	0.428	0.181	0.000	0.438	0.324	0.245	0.000
82.5	5.478	1.841	0.233	0.015	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.214	0.106	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	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 : TCCL48M-40.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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	815.762	815.258	814.805	814.402	814.051	813.754	813.509	813.317	813.179	813.096
5.0	788.247	787.266	786.385	785.605	784.929	784.355	783.885	783.520	783.261	783.106
7.5	760.267	758.857	757.597	756.487	755.529	754.723	754.028	753.573	753.227	753.036
10.0	731.719	729.909	728.295	726.882	725.668	724.655	723.844	723.234	722.826	722.620
12.5	702.646	700.482	698.551	696.864	695.421	694.225	693.273	692.569	692.112	691.900
15.0	673.456	671.031	668.887	667.025	665.447	664.151	663.139	662.410	661.964	661.800
17.5	644.322	641.713	639.348	637.300	635.572	634.164	633.076	632.308	631.859	631.730
20.0	615.165	612.159	609.503	607.202	605.224	603.667	602.437	601.568	601.058	600.910
22.5	585.492	582.259	579.411	576.952	574.882	573.204	571.918	571.025	570.525	570.419
25.0	556.413	552.464	549.410	546.778	544.571	542.790	541.436	540.508	540.008	539.934
27.5	526.267	522.570	519.325	516.535	514.202	512.328	510.914	509.960	509.467	509.434
30.0	496.493	492.600	489.223	486.329	483.920	481.998	480.564	479.618	479.160	479.190
32.5	466.854	462.804	459.324	456.353	453.891	451.937	450.495	449.565	449.148	449.242
35.0	437.455	433.293	429.741	426.753	424.281	422.331	420.904	420.003	419.628	419.784
37.5	408.583	404.384	400.717	397.596	395.027	393.014	391.559	390.662	390.324	390.546
40.0	379.839	375.374	372.186	368.555	366.000	364.004	362.572	361.706	361.412	361.689
42.5	351.434	347.052	343.236	340.000	337.336	335.250	333.748	332.836	332.516	332.794
45.0	323.386	318.839	314.739	311.486	308.687	306.480	304.873	303.874	303.489	303.726
47.5	295.448	290.587	286.567	283.062	280.225	277.992	276.373	275.375	275.006	275.271
50.0	267.752	263.011	258.807	255.204	252.201	249.817	248.065	246.955	246.498	246.699
52.5	238.526	235.537	231.120	227.748	224.271	221.830	220.015	218.789	218.329	218.479
55.0	209.636	208.457	203.982	200.105	196.877	194.286	192.343	191.064	190.461	190.546
57.5	181.495	180.416	177.171	173.111	169.694	166.895	164.848	163.446	162.746	162.757
60.0	153.658	152.335	150.494	146.224	142.563	139.550	137.241	135.653	134.799	134.695
62.5	126.112	124.275	123.226	119.076	115.100	111.750	109.149	107.316	106.266	106.014
65.0	97.957	95.868	94.400	91.324	86.986	83.286	80.389	78.311	77.067	76.672
67.5	69.417	67.258	65.382	62.903	59.111	53.965	50.637	48.112	46.639	46.074
70.0	42.941	40.344	37.308	33.157	28.008	24.941	22.239	19.971	18.233	17.119
72.5	21.418	17.553	13.881	9.209	4.531	4.378	4.431	4.056	3.404	2.639
75.0	6.258	1.801	1.382	0.845	0.272	0.163	0.216	0.219	0.186	0.129
77.5	0.606	0.107	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.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	0.000	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>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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	813.065	813.090	813.168	813.128	813.142	813.210	813.332	813.507	813.736	814.017
5.0	783.058	783.114	783.276	783.189	783.208	783.332	783.560	783.893	784.332	784.873
7.5	753.000	753.116	753.385	753.230	753.228	753.378	753.681	754.138	754.747	755.509
10.0	722.615	722.809	723.203	722.960	722.916	723.070	723.425	723.981	724.737	725.694
12.5	691.934	692.210	692.731	692.405	692.321	692.481	692.925	693.532	694.423	695.557
15.0	661.917	662.313	662.984	662.549	662.389	662.507	662.903	663.580	664.537	665.775
17.5	631.917	632.421	633.238	632.667	632.409	632.503	632.848	633.546	634.614	635.911
20.0	601.122	601.692	602.620	601.953	601.645	601.696	602.107	602.880	604.014	605.509
22.5	570.703	571.377	572.439	571.637	571.225	571.204	571.576	572.345	573.509	575.073
25.0	540.284	541.060	542.257	541.349	540.864	540.801	541.162	541.946	543.156	544.789
27.5	509.754	510.740	512.075	511.068	510.513	510.414	510.768	511.579	512.846	514.568
30.0	479.705	480.704	482.184	481.021	480.435	480.147	480.442	481.231	482.514	484.294
32.5	449.847	450.961	452.582	451.281	450.487	450.202	450.431	451.175	452.434	454.209
35.0	420.467	421.679	423.416	421.979	421.071	420.692	420.849	421.541	422.770	424.535
37.5	391.323	392.656	394.540	392.983	391.975	391.522	391.622	392.277	393.488	395.253
40.0	362.539	363.962	365.954	364.284	363.185	362.661	362.712	363.339	364.541	366.314
42.5	333.671	335.147	337.224	335.462	334.304	333.826	333.793	334.439	335.791	337.524
45.0	304.588	306.080	308.203	306.387	305.205	304.655	304.734	305.438	306.762	308.702

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

47.5	276.174	277.719	279.907	278.028	276.793	276.202	276.249	276.933	278.247	280.186
50.0	247.567	249.107	251.322	249.416	248.187	247.632	247.743	248.516	249.944	252.018
52.5	219.307	220.820	223.026	221.129	219.927	219.411	219.573	220.406	221.895	224.032
55.0	191.328	192.818	195.021	193.126	191.946	191.474	191.701	192.620	194.218	196.484
57.5	163.492	164.957	167.161	165.259	164.095	163.666	163.962	164.976	166.695	169.107
60.0	135.348	136.770	138.967	137.065	135.938	135.584	135.991	137.149	139.049	141.673
62.5	106.569	107.939	110.134	108.246	107.180	106.930	107.486	108.837	110.969	113.867
65.0	77.138	78.374	80.679	78.750	77.699	77.521	78.213	79.765	82.166	85.405
67.5	46.432	47.725	49.960	48.013	47.014	46.957	47.836	49.638	52.352	55.959
70.0	16.730	17.159	18.501	17.392	17.091	17.689	19.047	21.075	23.690	26.806
72.5	1.924	1.431	1.335	1.434	1.948	2.718	3.592	4.420	5.056	5.361
75.0	0.069	0.021	0.000	0.021	0.069	0.129	0.186	0.219	0.216	0.163
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	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

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	814.352	814.737	815.175	815.664	816.202	816.789	817.424	818.107	818.834	819.607
5.0	785.519	786.271	787.115	788.065	789.112	790.257	791.498	792.831	794.257	795.771
7.5	756.421	757.485	758.699	760.061	761.569	763.222	765.018	766.954	769.028	771.237
10.0	726.850	728.205	729.758	731.508	733.453	735.590	737.919	740.485	743.137	746.020
12.5	696.983	698.553	700.412	702.510	704.844	707.412	710.210	713.238	716.899	719.969
15.0	667.292	669.089	671.165	673.517	676.145	679.047	682.219	685.666	689.439	693.474
17.5	637.577	639.590	641.879	644.514	647.468	650.742	654.330	658.200	662.373	666.848
20.0	607.364	609.578	612.149	615.075	618.354	622.989	625.931	630.226	634.872	639.865
22.5	577.033	579.390	582.144	585.293	588.836	592.774	597.106	601.836	606.896	612.345
25.0	546.845	549.326	552.221	555.534	559.738	563.469	568.107	573.165	578.639	584.523
27.5	516.743	519.369	522.444	525.966	529.934	534.353	539.210	544.594	550.215	556.411
30.0	486.570	489.342	492.611	496.376	500.592	505.264	510.399	515.991	522.398	528.554
32.5	456.500	459.304	462.622	466.458	470.907	475.877	481.366	487.387	493.821	500.677
35.0	426.834	429.667	433.033	436.965	441.493	446.552	452.139	459.233	465.042	469.468
37.5	397.569	400.435	403.847	407.865	412.467	417.615	423.305	429.571	433.709	438.363
40.0	368.660	371.571	375.570	379.150	383.824	389.054	394.832	399.055	402.711	406.974
42.5	339.956	343.012	346.573	350.761	355.526	360.858	365.906	368.508	372.074	375.552
45.0	311.250	314.398	318.141	322.482	327.410	332.916	335.388	338.284	341.799	345.933
47.5	282.741	285.905	289.755	294.273	299.384	303.049	305.506	308.248	311.790	316.048
50.0	254.726	258.059	261.997	266.539	271.706	273.156	275.465	278.419	281.962	286.206
52.5	226.799	230.609	234.316	239.074	242.368	244.053	246.316	249.127	252.486	256.771
55.0	199.401	202.961	207.177	211.993	213.426	215.180	217.621	220.578	224.063	228.123
57.5	172.200	175.956	180.354	183.891	185.186	187.064	189.503	192.457	196.057	200.222
60.0	145.010	149.003	153.619	155.703	157.230	159.313	161.930	165.054	168.730	172.880
62.5	117.511	121.800	126.273	127.523	129.559	131.747	134.625	138.013	141.875	146.187
65.0	89.464	94.123	97.426	99.056	101.335	104.059	107.369	111.146	115.286	119.882
67.5	61.382	65.524	68.165	70.290	72.745	75.951	79.806	84.045	88.696	93.760
70.0	30.359	35.726	39.693	42.800	45.408	48.638	51.848	56.432	61.745	67.355
72.5	5.972	10.953	15.701	19.399	23.201	25.779	27.114	30.999	34.828	40.399
75.0	0.381	1.329	2.172	2.832	7.353	10.394	12.287	13.118	12.332	16.414
77.5	0.000	0.000	0.000	0.167	0.951	1.444	3.230	4.387	3.854	1.647
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.385	0.509	0.521	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.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. Horizontal Angles

	225.0	227.5	230.0	232.5	235.0	237.5	240.0	242.5	245.0	247.5
0.0	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	820.422	821.295	822.178	823.115	824.089	825.098	826.140	827.216	828.320	829.453
5.0	797.374	799.060	800.828	802.676	804.600	806.596	808.662	810.790	812.955	815.180
7.5	773.579	776.048	779.604	781.344	784.152	787.070	790.095	793.222	796.445	799.759
10.0	749.072	752.263	755.621	759.140	762.818	766.649	770.627	774.748	778.985	783.313
12.5	723.670	727.589	731.720	736.060	740.602	745.926	750.202	755.235	760.441	765.814
15.0	697.765	702.310	707.100	712.132	717.463	722.966	728.737	734.733	740.944	747.301
17.5	671.618	676.679	682.030	687.738	693.718	699.965	706.471	713.252	720.335	727.664
20.0	645.201	650.864	656.798	663.049	669.613	676.480	683.700	691.231	699.042	706.893
22.5	618.156	624.343	630.901	637.825	645.107	652.651	660.015	666.954	674.318	682.240
25.0	590.803	597.468	604.515	611.936	618.726	625.405	632.554	640.139	648.099	656.516
27.5	563.132	570.285	577.045	583.027	589.528	596.556	604.119	612.257	620.898	630.019
30.0	535.518	541.023	546.638	552.949	559.776	567.286	575.095	583.640	592.749	602.462
32.5	505.405	510.689	516.525	522.879	529.745	537.352	545.599	554.375	563.935	574.117
35.0	474.815	480.083	486.151	492.811	500.213	507.737	515.967	524.978	534.715	545.034
37.5	443.017	448.796	455.236	462.292	469.825	477.952	486.642	495.753	505.394	515.996
40.0	411.907	417.640	424.001	431.107	439.034	447.590	456.661	466.327	476.485	487.030
42.5	381.184	386.811	393.050	400.199	408.033	416.623	426.373	436.210	446.837	458.094
45.0	350.846	356.371	362.589	369.635	377.292	385.928	395.283	405.502	416.565	428.226
47.5	320.846	326.321	332.558	339.471	347.082	355.575	364.690	374.952	386.958	397.622
50.0	291.101	296.607	302.851	309.696	317.325	325.636	334.752	344.697	354.881	364.676
52.5	261.624	267.149	273.527	280.261	287.890	297.117	305.192	314.027	322.558	332.309
55.0	232.676	238.156	244.295	251.137	258.738	266.984	275.050	282.242	290.489	299.683
57.5	204.851	210.100	215.802	222.552	229.926	237.451	243.621	250.673	258.494	267.587
60.0	177.585	182.867	188.587	194.945	201.521	206.907	212.722	219.525	227.016	235.618
62.5	151.000	156.252	162.034	168.316	172.847	177.519	182.961	189.141	196.293	204.550
65.0	124.880	130.270	136.132	140.902	145.235	149.656	154.674	160.001	166.605	173.881
67.5	99.048	104.716	110.031	114.279	118.660	123.121	127.799	133.177	138.265	144.930
70.0	73.233	79.638	84.149	88.410	92.991	97.608	102.177	106.975	111.869	117.513
72.5	47.060	54.420	60.364	64.832	68.306	72.866	77.644	82.334	87.405	91.816
75.0	21.647	31.546	39.236	44.339	47.677	50.212	53.786	58.664	63.381	68.002
77.5	4.970	12.855	20.233	26.939	30.974	32.968	33.967	35.641	40.548	45.205

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

80.0	0.588	1.387	6.748	12.157	17.258	19.811	19.593	19.039	18.324	23.172
82.5	0.000	0.049	0.754	2.807	6.892	9.752	10.404	8.157	5.143	6.237
85.0	0.000	0.000	0.000	0.343	0.693	3.251	3.943	2.319	0.000	1.211
87.5	0.000	0.000	0.000	0.000	0.110	0.279	0.739	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000
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	0.000	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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	830.611	831.793	832.996	834.219	835.459	836.713	837.981	839.258	841.188	841.818
5.0	817.459	819.789	822.165	824.584	827.043	829.534	832.054	834.601	837.167	839.750
7.5	803.160	806.643	810.182	813.776	817.411	821.112	824.865	828.661	832.495	836.358
10.0	787.760	792.319	796.984	801.747	807.118	811.485	816.439	821.460	826.537	831.665
12.5	771.345	777.004	782.729	788.582	794.555	800.639	806.810	813.020	819.311	825.697
15.0	753.806	760.498	767.368	774.393	781.437	788.623	795.938	803.907	810.845	818.408
17.5	735.230	742.999	750.863	758.931	767.060	774.931	782.920	791.128	800.708	808.059
20.0	714.462	722.385	730.631	739.136	747.833	756.821	766.075	775.401	784.979	795.498
22.5	690.382	698.996	708.081	717.543	727.352	737.366	747.667	759.567	769.006	779.992
25.0	665.388	674.762	684.560	694.793	705.501	716.593	727.972	739.618	751.605	763.751

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

27.5	639.546	649.560	660.078	671.095	682.560	694.525	707.023	719.667	732.681	747.435
30.0	612.709	623.443	634.646	647.706	658.626	671.373	684.620	698.341	712.450	726.850
32.5	584.900	596.289	608.234	620.670	633.644	647.169	661.220	675.781	690.835	706.304
35.0	556.336	568.255	580.805	593.988	607.650	621.903	636.723	652.091	667.984	684.453
37.5	527.276	539.605	552.531	566.272	580.636	595.594	611.126	627.284	644.089	661.511
40.0	498.227	510.515	523.427	537.731	552.551	567.989	584.207	601.155	618.817	637.121
42.5	469.617	481.601	494.518	507.922	522.937	539.022	556.178	573.655	592.103	611.283
45.0	440.470	452.157	464.240	477.666	492.499	508.773	526.331	544.739	563.988	583.945
47.5	409.634	420.429	433.256	446.765	461.481	477.785	495.427	514.479	534.396	555.171
50.0	375.532	387.593	400.673	414.836	429.870	445.995	463.801	482.890	503.440	524.865
52.5	342.532	354.117	367.314	381.546	397.064	413.600	432.318	450.546	471.130	493.168
55.0	309.786	321.132	333.543	347.737	363.074	379.962	397.974	417.200	437.994	460.332
57.5	277.557	288.496	300.465	313.803	328.854	345.258	363.520	382.988	403.791	426.094
60.0	245.335	256.195	267.919	280.503	294.744	310.634	328.592	347.704	369.199	394.609
62.5	213.446	223.734	235.503	248.016	261.206	276.750	293.034	314.473	337.008	362.550
65.0	182.218	191.953	202.769	215.425	228.737	243.579	260.079	280.660	303.698	329.307
67.5	152.239	161.055	171.103	183.446	195.924	211.226	228.217	248.061	270.270	296.553
70.0	124.039	132.339	140.545	150.849	163.715	179.203	196.226	214.954	236.466	260.310
72.5	97.506	103.849	111.395	121.403	132.810	146.665	163.199	181.601	202.050	225.224
75.0	72.670	78.149	85.758	94.114	103.889	115.380	130.016	147.844	167.304	189.434
77.5	49.632	56.929	64.345	70.523	77.669	86.817	98.332	113.690	132.232	153.253
80.0	31.227	39.609	46.464	51.893	55.877	61.676	70.082	81.584	97.594	117.085
82.5	16.261	24.947	31.635	36.633	39.983	41.637	45.973	53.583	65.038	81.623
85.0	4.776	12.443	19.356	24.374	27.222	28.404	27.652	30.429	37.220	48.585
87.5	0.661	3.584	9.238	14.228	17.119	18.055	16.999	13.801	14.950	20.896
90.0	0.000	0.344	2.575	6.398	9.376	10.217	9.007	5.662	0.000	14.950
92.5	0.000	0.000	0.177	1.675	3.780	4.658	3.393	0.000	5.662	13.793
95.0	0.000	0.000	0.000	0.090	0.826	1.244	0.000	3.415	9.007	16.968
97.5	0.000	0.000	0.000	0.000	0.030	0.000	1.287	4.697	10.217	17.978
100.0	0.000	0.000	0.000	0.000	0.000	0.037	0.857	3.841	9.376	16.979
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.127	1.717	6.398	13.999
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.236	2.575	8.887
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.343	3.400
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.415
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	0.515
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.219
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

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**

	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	843.079	844.342	845.602	846.858	848.107	849.346	850.573	851.786	852.981	854.158
5.0	842.280	844.818	847.356	849.890	852.414	854.924	857.414	859.878	862.314	864.713
7.5	840.202	844.018	847.843	851.668	855.486	859.290	863.070	867.714	870.426	873.952
10.0	836.871	841.920	847.029	852.149	857.269	862.380	867.435	872.325	877.173	881.968
12.5	832.098	838.509	844.890	851.297	857.717	865.055	870.388	876.605	882.741	888.845
15.0	826.057	833.982	841.413	849.089	856.796	864.502	872.034	879.552	887.039	894.380
17.5	816.737	825.568	834.458	843.425	852.385	861.446	870.332	879.256	888.199	896.698
20.0	804.700	814.798	825.735	835.319	845.691	856.273	866.383	876.654	886.927	896.621
22.5	791.227	802.555	814.103	825.763	837.473	849.389	860.950	872.546	884.113	895.119
25.0	776.180	788.836	801.618	814.646	827.689	840.902	853.990	866.880	879.809	892.108
27.5	759.696	773.542	787.612	801.868	816.311	830.828	845.569	859.608	874.852	887.510
30.0	741.646	756.664	772.055	787.519	803.266	819.092	835.129	850.712	866.231	881.274
32.5	722.100	738.295	754.786	771.726	788.743	806.026	823.356	840.642	857.388	873.961
35.0	701.430	718.785	736.554	754.689	773.024	791.520	810.109	828.874	846.928	864.993
37.5	679.495	698.082	716.738	735.959	755.741	775.257	795.187	815.023	834.760	853.902
40.0	656.044	675.516	695.370	715.624	736.286	757.342	778.313	799.438	820.628	841.000
42.5	631.093	651.501	672.456	693.672	715.333	737.427	759.702	782.054	804.258	826.359
45.0	604.638	625.949	647.808	670.852	692.724	715.880	739.248	762.633	786.145	809.468
47.5	576.636	598.817	621.610	644.861	668.589	692.394	716.720	741.903	767.905	793.809
50.0	547.150	570.103	593.729	617.968	642.538	668.565	695.441	722.698	750.046	777.240
52.5	516.081	539.839	564.247	590.459	618.113	645.899	673.764	701.793	730.125	758.306
55.0	483.591	508.632	536.130	564.179	592.611	621.430	650.374	679.172	708.203	737.517
57.5	451.937	479.407	507.482	536.176	565.528	595.108	624.962	655.747	684.567	714.452
60.0	421.291	448.998	477.575	506.747	536.579	567.132	597.744	628.493	659.281	689.702
62.5	391.214	417.572	446.480	476.160	506.244	537.140	568.702	600.293	631.784	663.192
65.0	356.429	385.171	414.228	444.211	474.709	505.773	537.643	570.067	602.502	634.573
67.5	322.064	350.707	380.648	411.088	441.994	473.281	505.109	537.840	571.430	607.767
70.0	287.477	315.150	345.227	376.468	407.952	439.620	471.562	505.568	541.495	576.431
72.5	250.670	278.330	308.400	339.803	372.199	404.600	439.714	475.759	511.233	546.343
75.0	214.231	241.208	270.213	301.622	334.217	372.122	409.691	445.828	481.222	515.929
77.5	177.002	203.348	231.751	262.035	301.429	340.911	379.160	415.781	451.137	485.693
80.0	139.332	164.612	192.401	231.549	270.848	310.141	348.400	385.429	420.969	455.406
82.5	102.003	125.389	164.473	203.653	242.194	280.207	318.171	355.078	390.779	425.119
85.0	65.655	101.954	139.495	177.474	215.181	252.276	288.860	325.386	360.823	395.086
87.5	48.586	81.673	117.270	153.632	190.035	226.150	261.668	296.689	331.687	365.548
90.0	37.219	65.038	97.594	132.232	167.303	201.803	236.466	270.270	303.698	337.008
92.5	30.390	53.415	81.217	113.156	146.709	180.414	213.449	246.067	278.019	309.833
95.0	27.571	45.692	69.335	96.989	128.234	160.593	192.906	224.199	254.929	286.857
97.5	28.196	41.324	60.723	84.845	112.232	142.710	173.800	204.755	235.324	267.111
100.0	26.850	39.231	54.440	75.308	99.803	127.236	156.487	186.719	217.769	248.692
102.5	23.612	35.500	49.904	67.243	89.242	114.071	141.250	170.800	200.710	231.086
105.0	18.466	29.989	43.530	59.996	79.295	102.598	128.735	156.272	184.840	213.675
107.5	11.192	22.633	35.932	51.420	69.783	92.978	117.641	143.215	170.276	197.817
110.0	4.146	13.149	26.309	42.044	62.888	84.447	107.569	131.711	156.869	183.138
112.5	0.393	4.744	15.923	35.727	55.949	76.826	98.357	121.171	144.667	169.425

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

115.0	0.000	2.055	13.025	28.876	48.747	69.023	89.819	111.294	133.636	156.525
117.5	1.495	6.121	13.169	25.271	41.052	60.896	81.117	101.715	123.023	144.824
120.0	2.718	7.468	14.425	23.478	36.614	52.310	72.030	92.079	112.469	133.390
122.5	1.864	6.029	12.821	21.902	32.842	46.789	62.760	82.003	101.755	121.842
125.0	0.438	2.875	8.473	17.233	28.060	40.783	55.515	72.195	90.669	110.038
127.5	0.024	0.611	3.320	10.334	20.352	32.967	46.926	62.496	79.662	97.887
130.0	0.000	0.000	0.713	2.940	11.159	21.788	35.684	50.872	67.297	84.420
132.5	0.000	0.000	0.000	0.713	1.749	10.656	21.138	36.004	53.213	69.979
135.0	0.000	0.000	0.000	0.000	0.579	1.678	9.155	22.731	38.379	55.057
137.5	0.000	0.000	0.000	0.000	0.000	1.541	5.689	12.612	25.989	39.687
140.0	0.000	0.000	0.000	0.049	0.314	1.903	4.741	9.917	16.677	27.492
142.5	0.000	0.000	0.000	0.000	0.219	0.697	2.560	6.438	11.661	19.201
145.0	0.000	0.000	0.000	0.000	0.000	0.149	0.807	1.677	5.985	11.494
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.568	1.487	3.033
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.904
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. 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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	855.312	856.443	857.548	858.623	859.669	860.681	861.687	862.598	863.499	864.359
5.0	867.072	869.376	871.545	873.659	875.715	877.709	879.634	881.487	883.265	884.963
7.5	877.423	880.832	884.172	887.434	890.610	893.691	896.655	899.348	901.954	904.404
10.0	886.699	891.355	895.875	900.062	904.148	908.119	911.966	915.678	919.245	922.624
12.5	894.824	900.397	905.877	911.252	916.504	921.588	926.140	930.545	934.790	938.860
15.0	901.281	908.103	914.830	921.345	927.260	933.041	938.670	944.131	949.174	953.957
17.5	905.057	913.374	921.351	928.816	936.175	943.404	949.934	956.132	962.138	968.246
20.0	906.317	915.894	924.728	933.488	942.096	950.098	957.966	966.299	973.042	980.205
22.5	906.155	916.735	926.885	936.980	946.384	955.609	964.666	973.339	981.850	990.131
25.0	904.468	916.196	927.676	938.830	949.375	960.527	969.836	979.684	989.288	998.607
27.5	901.169	914.157	926.962	939.159	950.927	962.422	973.534	984.501	995.108	1006.466
30.0	896.179	910.512	924.619	937.943	950.910	963.392	975.629	987.547	999.263	1010.355
32.5	890.117	905.910	921.330	936.094	950.498	964.221	977.720	990.608	1003.304	1014.950
35.0	882.291	899.537	916.201	932.478	948.328	963.458	978.363	992.446	1006.240	1019.184
37.5	872.656	891.261	909.154	926.935	944.170	960.801	977.848	992.376	1007.357	1021.562
40.0	861.217	880.815	900.147	920.304	937.877	956.118	973.601	990.252	1006.481	1021.859
42.5	847.632	868.542	889.163	909.315	929.348	950.324	969.854	988.805	1007.198	1024.454
45.0	832.449	856.049	879.079	901.838	924.435	946.670	968.025	988.756	1008.527	1027.567
47.5	819.657	844.339	868.835	893.201	916.881	940.430	963.709	985.789	1007.096	1027.920
50.0	803.989	830.377	857.396	881.712	906.864	931.711	956.223	979.878	1002.902	1025.164
52.5	786.397	814.017	840.989	867.762	894.374	920.137	945.779	971.348	995.417	1014.633
55.0	766.436	795.161	823.609	851.200	878.739	906.141	931.964	954.623	975.842	995.189
57.5	744.513	774.167	803.374	832.238	860.360	886.104	910.410	933.213	954.591	974.095
60.0	720.279	750.861	781.205	809.704	837.005	863.086	887.653	910.549	932.029	952.064

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

62.5	694.312	725.359	755.665	784.956	812.599	838.866	863.762	887.057	908.492	928.581
65.0	667.040	698.524	729.088	758.587	786.941	813.758	838.838	862.406	884.242	904.171
67.5	639.007	670.828	701.543	731.349	759.900	787.215	813.017	836.816	858.975	880.984
70.0	610.197	642.369	673.293	703.096	731.972	759.454	785.632	810.254	834.566	858.938
72.5	580.331	613.117	644.339	674.276	703.028	730.815	757.134	783.880	810.518	835.346
75.0	550.049	582.973	614.670	644.834	673.650	701.217	729.474	757.896	785.967	810.203
77.5	519.488	552.470	584.222	615.053	643.683	672.847	702.538	731.071	758.223	783.749
80.0	489.012	521.765	553.494	583.976	614.383	645.575	675.400	703.698	730.776	756.994
82.5	458.507	491.048	522.640	553.933	586.637	617.784	647.703	676.191	703.026	728.552
85.0	428.125	460.316	492.162	526.170	558.781	590.036	619.772	648.141	675.092	700.556
87.5	398.254	429.908	464.675	499.448	531.005	562.126	591.820	620.063	646.915	672.315
90.0	369.199	403.791	437.994	471.131	503.440	534.396	563.988	592.103	618.817	644.089
92.5	344.156	378.773	412.350	444.872	476.219	506.977	536.379	564.384	590.961	616.112
95.0	320.894	354.715	387.823	419.783	450.526	480.273	509.163	537.008	563.455	588.411
97.5	299.487	331.837	364.108	395.775	426.139	456.249	483.195	510.063	536.375	560.803
100.0	279.356	310.301	341.555	372.333	402.555	431.488	458.843	485.053	509.858	533.356
102.5	260.942	290.397	320.346	350.016	379.532	408.197	435.779	461.693	484.537	507.109
105.0	243.091	271.986	300.474	329.067	357.053	385.451	413.371	437.312	460.183	481.946
107.5	225.765	253.956	281.750	309.279	336.417	363.545	389.236	412.573	435.146	456.837
110.0	209.644	236.733	263.628	290.365	316.690	342.651	365.598	388.041	409.976	431.398
112.5	194.744	220.452	246.421	272.143	297.733	320.882	342.846	364.297	385.480	406.099
115.0	180.639	204.581	229.952	254.774	278.454	299.764	320.858	341.427	361.813	381.580
117.5	167.308	190.386	214.040	237.619	258.539	279.168	299.460	319.340	338.879	357.853
120.0	154.677	176.575	198.634	219.066	239.008	258.932	278.500	297.721	316.512	334.800
122.5	142.241	163.087	182.462	201.330	220.101	239.160	257.865	276.426	294.550	312.231
125.0	129.671	148.276	166.311	184.301	202.250	220.078	237.759	255.516	272.875	289.775
127.5	115.817	132.891	150.374	167.483	184.671	201.685	218.561	234.922	252.015	267.906
130.0	101.102	117.990	134.556	150.995	167.319	184.285	199.567	215.466	231.110	246.487
132.5	86.956	102.734	118.717	134.521	150.132	165.563	180.819	195.820	210.686	225.346
135.0	71.318	87.148	102.738	117.929	132.923	147.697	162.237	177.036	190.597	204.374
137.5	55.498	71.113	86.247	101.037	115.571	129.707	143.605	157.246	170.608	183.679
140.0	40.773	54.515	69.237	83.708	97.737	111.399	124.798	137.820	150.236	162.947
142.5	27.853	39.842	52.752	65.854	79.390	92.648	105.576	118.034	130.199	141.700
145.0	18.418	27.470	37.297	48.946	61.223	73.529	85.796	97.789	109.468	118.203
147.5	8.910	15.462	23.215	32.865	43.176	53.924	65.557	76.896	85.831	94.213
150.0	1.989	3.252	9.785	16.820	24.327	33.675	43.638	52.714	61.394	69.434
152.5	0.000	0.896	2.045	3.280	7.184	14.282	21.429	28.465	36.086	43.858
155.0	0.000	0.000	0.000	0.331	1.691	3.282	5.094	8.108	14.346	20.429
157.5	0.000	0.000	0.004	0.038	0.096	0.177	0.281	1.850	3.593	5.462
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.155	0.259	0.377
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>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	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624	842.624
2.5	865.176	865.949	866.676	867.355	867.986	868.565	869.094	869.569	871.016	871.071
5.0	886.575	888.099	889.533	890.871	892.112	893.252	894.287	895.218	896.041	896.753
7.5	906.752	908.975	911.063	913.013	914.819	916.477	917.981	919.330	920.519	921.546

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

10.0	925.614	928.449	931.116	933.610	935.922	938.046	939.974	941.702	943.223	944.533
12.5	942.744	946.413	949.692	952.763	955.611	958.229	960.608	962.736	964.609	966.218
15.0	958.531	962.880	966.989	970.813	974.345	977.598	980.555	983.206	985.541	987.541
17.5	973.396	978.608	983.549	988.196	992.503	996.407	999.950	1003.116	1005.889	1008.256
20.0	987.147	993.473	999.297	1004.775	1009.879	1014.471	1018.291	1021.728	1024.761	1027.369
22.5	998.094	1005.820	1013.194	1019.559	1025.210	1030.202	1034.735	1038.704	1042.205	1045.207
25.0	1007.728	1015.912	1023.655	1031.492	1037.876	1044.291	1050.060	1054.796	1058.944	1062.449
27.5	1015.073	1024.254	1032.940	1041.122	1048.976	1056.396	1063.443	1070.068	1074.891	1078.334
30.0	1020.934	1031.022	1040.597	1049.840	1058.631	1067.149	1074.585	1081.366	1087.458	1091.823
32.5	1026.289	1036.708	1046.695	1056.654	1066.456	1075.505	1084.514	1091.027	1097.153	1102.142
35.0	1031.582	1043.373	1054.434	1064.986	1074.684	1083.819	1091.491	1099.680	1105.591	1110.952
37.5	1035.134	1048.296	1060.535	1072.306	1083.350	1093.195	1102.802	1108.557	1113.691	1117.303
40.0	1036.666	1051.070	1064.622	1077.595	1090.182	1100.867	1110.595	1118.679	1124.322	1128.227
42.5	1041.217	1057.436	1072.492	1086.753	1100.161	1111.879	1122.138	1131.282	1137.578	1141.604
45.0	1046.102	1063.847	1080.540	1096.403	1111.198	1124.342	1136.575	1147.885	1157.222	1165.469
47.5	1048.094	1067.256	1085.723	1103.384	1119.180	1131.539	1139.850	1146.841	1151.461	1153.989
50.0	1046.650	1066.653	1081.573	1093.513	1104.284	1113.627	1121.101	1126.987	1130.590	1132.306
52.5	1032.237	1048.049	1061.985	1074.366	1085.097	1093.796	1101.035	1108.533	1114.992	1119.748
55.0	1012.436	1028.096	1042.111	1054.015	1064.231	1072.895	1084.230	1093.947	1101.934	1106.725
57.5	991.805	1007.372	1020.995	1032.878	1045.088	1057.832	1069.209	1078.830	1086.847	1094.315
60.0	969.810	985.717	999.466	1014.861	1029.270	1041.927	1053.036	1062.576	1071.547	1081.431
62.5	946.984	963.664	981.698	997.835	1012.238	1025.603	1036.156	1046.017	1056.871	1066.911
65.0	924.021	944.603	962.885	979.493	994.108	1007.232	1018.510	1030.220	1040.865	1050.416
67.5	903.256	924.132	942.958	959.878	974.869	988.094	1001.028	1013.121	1023.857	1033.263
70.0	881.508	902.548	922.041	939.293	954.867	968.536	982.099	994.347	1005.569	1015.206
72.5	859.796	879.844	899.743	917.653	933.812	948.596	962.157	974.263	985.254	994.964
75.0	834.026	855.860	876.047	894.634	911.640	927.307	941.161	953.377	964.992	973.868
77.5	807.777	830.475	850.976	871.008	887.909	904.278	918.623	931.416	942.769	952.113
80.0	780.603	803.282	824.402	844.436	862.606	879.506	894.331	907.837	919.785	928.862
82.5	752.845	775.525	796.879	817.131	835.853	853.003	868.343	882.345	894.733	903.647
85.0	724.638	747.297	769.088	789.317	808.105	825.380	841.090	855.336	867.975	876.555
87.5	696.351	719.137	741.044	761.136	780.001	797.327	813.183	827.619	839.755	848.278
90.0	667.984	690.835	712.450	732.681	751.605	769.005	784.979	800.708	810.845	819.271
92.5	639.875	662.437	683.807	703.987	722.907	740.376	756.523	771.331	781.522	789.891
95.0	611.897	634.199	655.316	675.225	693.909	711.415	727.657	742.214	751.728	760.045
97.5	584.038	607.108	627.066	646.759	665.102	682.549	698.604	711.857	721.387	729.727
100.0	556.308	578.155	598.915	618.537	636.932	654.088	670.034	681.840	691.110	699.284
102.5	529.100	550.394	570.901	590.283	608.587	625.766	641.799	652.139	661.179	669.151
105.0	502.952	523.513	543.388	562.357	580.476	597.483	612.128	622.187	631.210	639.168
107.5	477.700	497.571	516.643	534.988	552.714	569.509	583.727	592.300	601.139	609.002
110.0	452.020	471.695	490.517	508.452	525.533	541.784	552.878	562.403	571.079	578.786
112.5	426.108	445.561	464.202	481.916	498.706	513.601	523.684	532.939	541.318	548.719
115.0	400.909	419.657	437.651	455.071	471.714	484.797	494.696	503.676	511.815	519.095
117.5	376.480	394.501	411.854	428.714	444.806	455.691	465.324	474.203	482.224	489.379
120.0	352.712	370.027	386.772	403.013	417.271	427.234	436.515	445.065	452.815	459.761
122.5	329.455	346.121	362.272	377.889	389.758	399.316	408.250	416.436	423.946	430.657
125.0	306.527	322.616	338.203	352.905	362.731	372.552	380.484	388.378	395.566	402.037
127.5	283.829	299.918	314.329	326.556	336.029	344.885	353.117	360.690	367.596	373.771
130.0	261.499	276.170	290.588	300.316	309.421	317.947	325.872	333.171	339.835	345.851
132.5	239.678	253.665	265.265	274.260	282.947	291.036	298.635	305.642	312.046	317.835
135.0	217.831	230.758	240.101	248.833	256.945	264.744	271.884	278.469	284.488	289.930
137.5	196.440	206.598	215.224	223.398	231.879	238.426	245.247	251.538	257.289	262.489
140.0	173.932	182.523	190.686	198.341	205.684	212.528	218.895	224.773	230.149	235.015
142.5	150.294	158.458	166.204	173.522	180.403	186.838	192.817	198.327	203.359	207.903
145.0	126.408	134.217	141.621	148.608	155.128	161.195	166.821	171.999	176.718	180.973
147.5	102.094	109.568	116.689	123.751	129.562	135.319	140.651	145.551	150.011	154.023

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

150.0	77.084	84.341	91.196	97.597	103.474	108.949	114.015	118.663	122.886	126.677
152.5	51.257	58.272	64.895	70.991	76.624	81.858	86.688	91.106	95.108	98.689
155.0	26.341	32.066	37.639	43.413	48.807	53.815	58.433	62.653	66.469	69.879
157.5	7.440	9.511	13.273	17.904	22.300	26.447	30.328	33.928	37.232	40.223
160.0	0.506	0.957	2.541	4.151	5.770	7.383	8.959	10.515	11.998	13.399
162.5	0.000	0.091	0.191	0.297	0.405	0.515	0.625	0.734	0.841	0.943
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. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	842.624	842.624	842.624	842.624	842.624
2.5	871.128	871.184	871.240	871.298	871.355
5.0	898.270	898.360	898.451	898.542	898.634
7.5	922.407	923.864	923.966	924.070	924.173
10.0	945.630	946.508	947.611	947.718	947.826
12.5	967.559	968.627	969.976	970.074	970.171
15.0	989.206	990.526	992.211	992.289	992.372
17.5	1010.205	1011.728	1012.819	1013.692	1013.702
20.0	1029.531	1031.230	1032.453	1033.437	1033.437
22.5	1047.686	1049.619	1050.990	1052.076	1052.011
25.0	1065.278	1067.410	1068.832	1069.887	1069.568
27.5	1081.126	1083.225	1084.583	1085.589	1085.095
30.0	1094.422	1096.291	1097.396	1098.090	1097.283
32.5	1105.995	1107.902	1108.786	1109.123	1107.731
35.0	1114.950	1118.047	1118.664	1118.131	1116.582
37.5	1121.791	1124.514	1126.483	1125.584	1123.692
40.0	1129.069	1129.017	1131.343	1131.865	1128.190
42.5	1143.558	1143.690	1139.655	1135.650	1130.802
45.0	1172.583	1177.795	1181.646	1173.183	1146.474
47.5	1153.514	1147.950	1142.945	1135.610	1130.802
50.0	1133.811	1132.107	1130.931	1132.544	1128.190
52.5	1121.281	1123.303	1126.049	1126.185	1123.692
55.0	1112.102	1116.115	1119.482	1118.786	1116.582
57.5	1101.506	1106.471	1109.294	1109.256	1107.731
60.0	1089.241	1094.986	1097.430	1098.036	1097.283
62.5	1075.176	1081.455	1084.111	1085.329	1085.095
65.0	1058.783	1064.713	1067.914	1069.513	1069.568
67.5	1041.248	1046.207	1049.529	1052.167	1052.011
70.0	1022.822	1027.406	1030.739	1033.437	1033.437
72.5	1002.365	1007.317	1010.859	1013.670	1013.702
75.0	980.491	985.440	989.082	992.061	992.372
77.5	958.243	963.134	966.756	969.732	970.171
80.0	935.194	940.270	944.070	947.218	947.826
82.5	910.447	915.888	919.982	923.386	924.173
85.0	883.696	889.472	893.880	897.586	898.634
87.5	855.524	861.468	866.091	870.045	871.355
90.0	826.537	832.495	837.167	841.188	842.624
92.5	797.026	802.935	807.600	811.639	813.168
95.0	767.147	773.022	777.665	781.683	783.276

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

CANDELA TABULATION - (Cont.)

97.5	736.811	742.799	747.522	751.633	753.385
100.0	706.340	712.267	717.053	721.265	723.203
102.5	676.041	681.843	686.556	690.716	692.731
105.0	646.059	651.878	656.632	660.845	662.984
107.5	615.873	621.739	626.590	630.932	633.238
110.0	585.516	591.265	596.029	600.298	602.620
112.5	555.336	561.019	565.765	570.037	572.439
115.0	525.505	531.033	535.670	539.774	542.257
117.5	495.664	501.074	505.611	509.706	512.075
120.0	465.890	471.198	475.684	479.756	482.184
122.5	436.597	441.762	446.149	450.145	452.582
125.0	407.784	412.800	417.079	420.989	423.416
127.5	379.362	384.209	388.355	392.153	394.540
130.0	351.210	355.906	359.932	363.624	365.954
132.5	322.997	327.526	331.410	334.974	337.224
135.0	294.787	299.049	302.710	306.071	308.203
137.5	267.128	271.197	274.688	277.890	279.907
140.0	239.358	243.168	247.558	249.439	251.322
142.5	211.952	215.495	219.583	221.304	223.026
145.0	184.753	188.055	191.868	193.443	195.021
147.5	157.582	160.679	164.266	165.713	167.161
150.0	130.031	132.942	136.322	137.644	138.967
152.5	101.843	104.569	107.660	108.936	110.134
155.0	72.876	75.459	78.472	79.574	80.679
157.5	42.887	45.208	47.956	48.957	49.960
160.0	14.700	15.880	17.295	17.897	18.501
162.5	1.039	1.128	1.234	1.284	1.335
165.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	310.54	N.A.	7.70
0-30	668.85	N.A.	16.60
0-40	1118.94	N.A.	27.70
0-60	2120.93	N.A.	52.50
0-80	2949.25	N.A.	73.00
0-90	3256.74	N.A.	80.60
10-90	3177.01	N.A.	78.60
20-40	808.41	N.A.	20.00
20-50	1309.9	N.A.	32.40
40-70	1454.21	N.A.	36.00
60-80	828.32	N.A.	20.50
70-80	376.10	N.A.	9.30
80-90	307.49	N.A.	7.60
90-110	446.09	N.A.	11.00
90-120	591.59	N.A.	14.60
90-130	691.08	N.A.	17.10
90-150	777.29	N.A.	19.20
90-180	783.82	N.A.	19.40
110-180	337.73	N.A.	8.40
0-180	4040.56	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.73
10-20	230.80
20-30	358.31
30-40	450.10
40-50	501.49
50-60	500.50
60-70	452.22
70-80	376.10
80-90	307.49
90-100	249.61
100-110	196.47
110-120	145.51
120-130	99.49
130-140	58.83
140-150	27.38
150-160	6.43
160-170	0.10
170-180	0.00

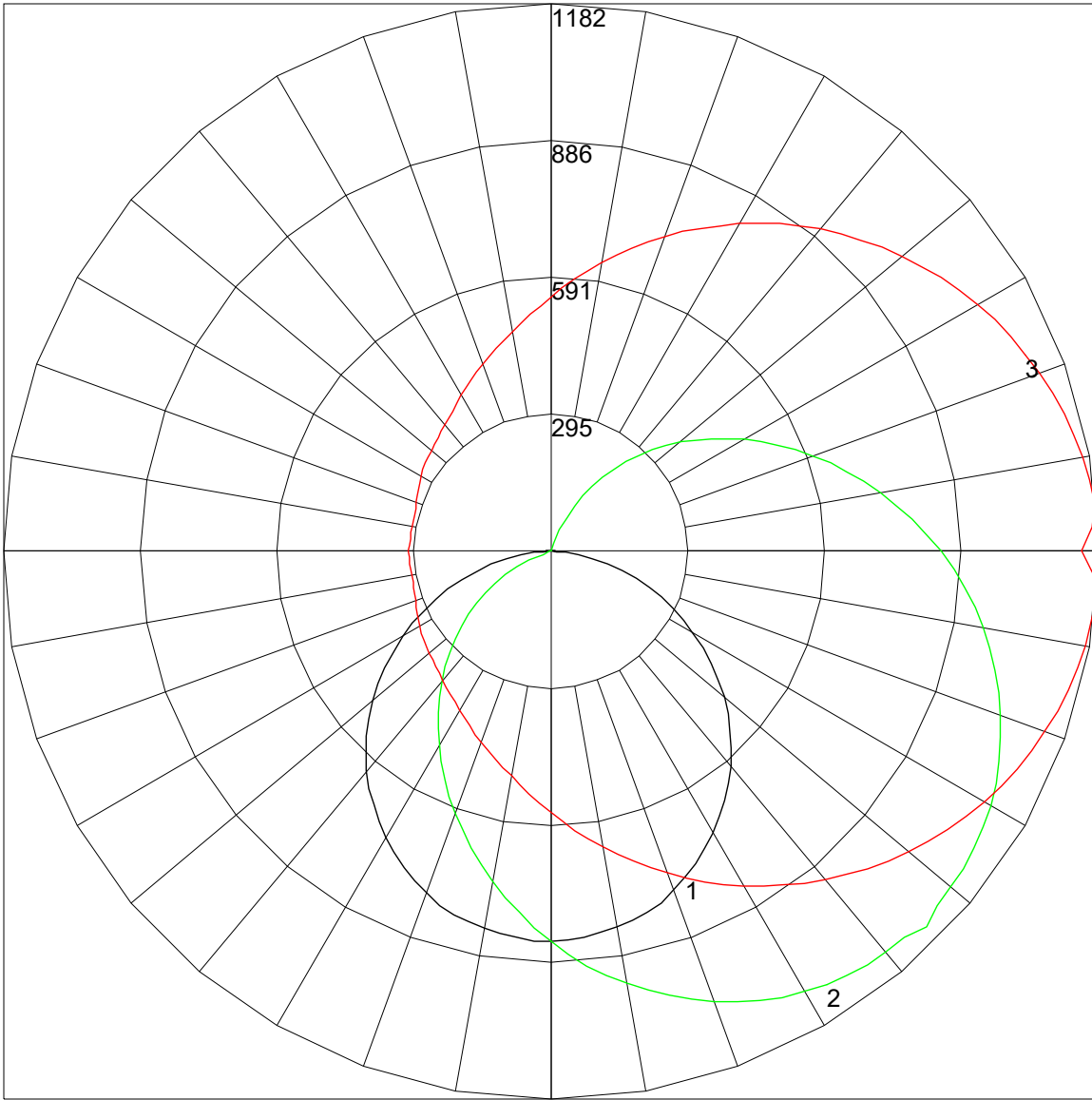
IES INDOOR REPORT
PHOTOMETRIC FILENAME : TCCL48M-40.IES

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	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	101	95	90	85	96	91	86	82	83	79	76	76	73	70	69	67	64	61
2	91	81	74	67	86	78	71	65	71	65	60	65	60	56	59	55	52	48
3	82	71	62	54	78	67	59	53	62	55	49	56	51	46	51	47	43	40
4	75	62	52	45	71	59	51	44	54	47	41	50	43	39	45	40	36	33
5	69	55	45	38	65	53	44	37	48	41	35	44	38	33	40	35	31	28
6	63	49	40	33	60	47	38	32	43	36	30	40	33	29	36	31	27	24
7	58	44	35	29	55	43	34	28	39	32	27	36	30	25	33	28	24	21
8	54	40	31	25	51	39	30	25	36	29	24	33	27	22	30	25	21	19
9	50	37	28	23	48	35	28	22	33	26	21	30	24	20	28	23	19	17
10	47	34	26	20	45	33	25	20	30	24	19	28	22	18	26	21	17	15

POLAR GRAPH



Maximum Candela = 1181.646 Located At Horizontal Angle = 355, Vertical Angle = 45

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Vertical Plane Through Horizontal Angles (0 - 180)

3 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)