



IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 8,388P20
[TESTLAB] CSA Group
[ISSUEDATE] 11/30/2019 09:26:32 AM
[LUMINAIRE] TRSDI48M-40/TRWDI48M-40
[_AMBIENT] 24.8 deg C
[_POWERFACTOR] 0.9982
[_ATHD] 5.33%
[_CURRENT] 0.5219
[_VOLTAGE] 120.06
[_STABILIZATION] 49:34.5 Stable
[_POWER VARIATION] 0.26 %
[_LIGHT VARIATION] 0.45 %
[_Lumens] 7,934
[_CONVERT]
[MANUFAC] LAMAR LIGHTING CO., INC.
[_SEARCH_SOURCE] LED
[_SEARCH_APPLICATION] Indoor, Architectural, Direct-Indirect
[_SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7394
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	62.65
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	3.83 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10486	10616	10749
55	9506	9778	9820
65	8418	8875	8414
75	6917	7750	6615
85	5697	6465	2560

IES INDOOR REPORT
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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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1542.750	1542.812	1542.873	1542.965	1543.088	1543.226	1543.395	1543.579	1543.779	1543.994
5.0	1530.932	1531.024	1531.163	1531.347	1531.577	1531.853	1532.160	1532.529	1532.928	1533.373
7.5	1519.099	1519.237	1519.437	1519.698	1520.035	1520.434	1520.910	1521.432	1522.015	1522.107
10.0	1507.266	1507.389	1507.527	1507.649	1508.478	1509.000	1509.599	1509.507	1509.629	1509.829
12.5	1477.506	1477.782	1478.350	1479.179	1480.284	1481.358	1482.172	1483.261	1484.627	1486.254
15.0	1447.746	1448.069	1448.713	1449.665	1450.939	1451.476	1452.443	1453.732	1455.451	1456.065
17.5	1417.986	1418.339	1419.045	1420.135	1420.872	1421.593	1422.698	1423.849	1424.479	1425.492
20.0	1388.227	1388.380	1388.534	1390.575	1390.882	1391.695	1393.015	1393.092	1393.813	1395.026
22.5	1343.441	1343.886	1345.037	1346.403	1347.677	1349.642	1351.223	1353.126	1355.750	1356.978
25.0	1298.671	1299.070	1300.237	1301.372	1302.800	1304.611	1306.007	1308.141	1309.277	1310.765
27.5	1253.886	1254.223	1255.390	1256.357	1257.922	1259.288	1260.869	1262.220	1263.018	1264.353
30.0	1209.100	1208.947	1208.793	1211.356	1213.075	1214.058	1215.838	1215.991	1216.866	1216.943
32.5	1156.917	1157.239	1158.452	1159.787	1161.675	1163.286	1164.944	1165.972	1167.185	1168.351
35.0	1104.734	1105.041	1106.161	1107.619	1109.123	1110.704	1111.425	1112.561	1113.098	1114.342
37.5	1052.535	1052.827	1053.886	1055.467	1056.526	1058.214	1058.014	1058.674	1059.442	1059.733
40.0	1000.352	1000.045	1001.626	1003.314	1003.882	1004.557	1004.695	1005.064	1005.785	1005.202
42.5	941.185	941.523	942.797	945.038	945.989	946.926	948.199	949.090	949.842	950.225
45.0	882.019	882.372	883.676	885.672	887.145	887.836	888.757	890.230	890.430	890.921
47.5	822.837	823.205	824.587	826.551	828.424	828.884	829.851	831.186	831.585	832.199
50.0	763.670	763.410	765.497	767.523	769.595	770.086	771.145	772.265	773.171	774.076
52.5	706.146	706.545	708.034	709.906	711.564	712.163	713.191	714.081	715.079	716.353
55.0	648.607	649.067	650.648	652.428	653.809	654.562	655.713	656.449	657.493	658.798
57.5	591.067	591.589	593.262	594.950	596.147	597.022	598.265	599.017	600.230	601.688
60.0	533.543	533.573	533.711	537.456	538.577	539.590	540.756	542.030	543.242	544.992
62.5	478.366	478.689	480.346	481.651	482.618	483.569	484.598	485.580	487.053	488.987
65.0	423.206	423.252	424.894	425.999	426.981	428.071	429.222	430.404	431.939	434.072
67.5	368.030	367.815	369.411	370.317	371.406	372.619	374.000	375.320	377.054	379.249
70.0	312.854	311.994	312.378	314.634	315.877	317.228	318.916	320.297	322.385	324.595
72.5	262.911	262.589	263.955	264.707	265.873	266.978	268.390	269.403	271.199	272.703
75.0	212.969	212.846	214.135	215.194	216.591	217.819	219.400	220.735	222.776	224.357
77.5	163.026	163.103	164.300	165.712	167.324	168.705	170.440	172.174	174.369	176.164
80.0	113.084	113.176	113.713	114.573	118.072	119.607	121.510	123.705	125.992	128.094
82.5	86.072	86.394	87.207	88.389	89.279	90.001	91.290	93.101	94.498	95.572
85.0	59.059	59.504	60.302	61.269	61.760	62.390	63.970	66.503	68.299	69.680
87.5	32.031	32.630	33.397	34.134	34.226	34.779	36.636	39.920	42.100	43.803
90.0	5.019	5.740	6.477	6.999	6.692	7.152	9.301	13.307	15.885	17.911
92.5	34.717	35.039	35.500	35.561	34.993	34.717	35.838	38.616	40.120	40.948
95.0	64.431	64.354	64.523	64.139	63.295	62.298	62.374	63.924	64.370	64.032
97.5	94.129	93.653	93.546	92.717	91.612	89.909	88.988	89.295	88.681	87.207
100.0	123.828	123.030	122.845	121.925	121.034	119.300	118.195	118.318	117.919	116.814
102.5	170.777	169.611	169.350	168.398	167.278	165.313	163.809	163.456	162.689	161.200
105.0	217.727	216.192	215.854	214.887	213.552	211.403	209.531	208.687	207.597	205.786
107.5	264.661	262.773	262.374	261.376	259.888	257.570	255.345	254.055	252.659	250.571
110.0	311.610	309.416	309.032	308.203	306.791	304.642	302.509	301.205	300.084	298.380
112.5	362.535	360.801	360.402	359.481	357.900	355.675	353.418	351.715	350.380	348.630
115.0	413.460	412.171	411.772	410.805	409.101	406.799	404.435	402.455	400.844	399.294
117.5	464.384	463.525	463.157	462.159	460.379	458.030	455.605	453.472	451.507	450.172
120.0	515.309	514.895	514.634	513.759	512.086	509.876	507.543	505.839	503.338	501.450
122.5	569.426	568.782	568.444	567.477	565.743	563.486	561.000	558.299	556.043	553.556
125.0	623.543	622.699	622.269	621.287	619.522	617.266	614.611	611.541	609.055	606.492
127.5	677.660	676.632	676.110	675.174	673.424	671.153	668.359	665.213	662.389	660.317
130.0	731.777	730.565	729.982	729.137	727.449	724.932	722.139	719.100	715.969	713.529
132.5	785.772	784.697	784.022	783.208	781.382	778.650	775.903	773.140	769.932	767.093

IES INDOOR REPORT
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135.0	839.751	838.814	838.124	837.387	835.300	832.644	829.974	827.257	824.203	821.440
137.5	893.745	892.931	892.271	891.934	889.386	886.915	884.828	881.451	878.811	876.586
140.0	947.724	947.018	946.373	945.560	943.181	940.756	937.747	934.509	931.516	928.124
142.5	998.863	998.203	997.789	996.991	994.996	993.445	989.823	986.892	983.592	980.200
145.0	1050.003	1049.389	1049.235	1048.422	1047.010	1044.969	1042.237	1039.888	1036.312	1033.289
147.5	1101.142	1100.574	1100.713	1099.899	1099.224	1097.044	1095.003	1092.547	1089.877	1086.715
150.0	1152.282	1151.668	1151.852	1150.609	1150.133	1147.125	1144.838	1141.262	1138.346	1134.094
152.5	1194.182	1193.583	1193.737	1192.770	1192.171	1190.268	1188.027	1185.618	1182.732	1180.231
155.0	1236.082	1235.514	1235.637	1235.054	1234.332	1233.611	1231.431	1229.958	1227.533	1225.415
157.5	1277.982	1277.429	1277.537	1277.445	1276.647	1276.478	1275.066	1273.608	1272.948	1270.707
160.0	1319.882	1319.268	1319.023	1319.222	1317.472	1316.306	1315.815	1312.668	1310.397	1308.678
162.5	1347.186	1346.588	1346.342	1346.419	1345.667	1344.638	1343.978	1343.134	1341.078	1339.389
165.0	1374.490	1373.938	1373.677	1373.707	1374.122	1372.986	1372.434	1372.173	1372.510	1370.500
167.5	1401.794	1401.288	1401.042	1401.042	1401.288	1401.365	1400.889	1400.689	1400.735	1401.058
170.0	1429.098	1428.592	1428.162	1427.809	1427.518	1427.303	1427.241	1425.952	1425.000	1424.126
172.5	1438.323	1437.939	1437.617	1437.356	1437.141	1436.972	1436.864	1436.818	1436.895	1436.005
175.0	1447.547	1447.286	1447.071	1446.902	1446.749	1446.656	1446.580	1446.549	1446.549	1446.595
177.5	1456.755	1456.633	1456.525	1456.433	1456.372	1456.310	1456.280	1456.264	1456.264	1456.295
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**Vert.
Angles**

Horizontal Angles

	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5
0.0	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1544.239	1544.500	1544.792	1545.099	1545.406	1545.743	1546.112	1546.480	1546.864	1547.263
5.0	1533.848	1534.370	1534.938	1535.245	1535.583	1535.982	1536.412	1536.887	1537.409	1537.962
7.5	1522.337	1522.644	1523.013	1523.458	1523.964	1524.548	1525.192	1525.975	1526.036	1526.389
10.0	1510.136	1510.535	1511.026	1510.903	1510.857	1510.919	1511.072	1511.318	1511.671	1512.116
12.5	1487.697	1488.971	1490.521	1492.347	1494.435	1496.737	1495.555	1494.849	1494.312	1493.959
15.0	1457.262	1458.781	1460.639	1461.605	1462.772	1464.261	1466.087	1468.650	1469.955	1472.134
17.5	1426.888	1427.533	1428.131	1429.098	1430.464	1431.339	1432.536	1434.179	1436.251	1437.847
20.0	1394.765	1395.041	1395.747	1395.885	1396.238	1397.082	1397.865	1397.850	1398.341	1399.385
22.5	1359.035	1361.460	1361.797	1361.629	1361.521	1360.293	1359.664	1359.587	1359.280	1359.511
25.0	1312.515	1313.850	1315.968	1317.380	1318.792	1320.864	1320.956	1319.928	1319.498	1318.670
27.5	1264.982	1266.456	1267.116	1268.144	1269.356	1270.507	1272.533	1274.406	1276.739	1276.647
30.0	1217.649	1217.987	1218.631	1218.984	1219.322	1220.304	1221.210	1222.913	1224.295	1226.152
32.5	1169.855	1170.147	1169.978	1169.395	1169.395	1169.640	1170.346	1170.439	1171.421	1171.851
35.0	1115.140	1116.460	1117.027	1118.317	1119.652	1119.314	1118.501	1118.133	1117.319	1117.611
37.5	1060.470	1060.455	1061.161	1062.112	1063.448	1064.399	1065.596	1065.259	1063.893	1062.788
40.0	1005.064	1005.217	1005.448	1006.276	1006.476	1006.890	1007.136	1007.719	1008.655	1009.024
42.5	950.225	950.133	950.333	950.118	950.149	949.473	949.320	949.535	950.164	951.653
45.0	891.888	892.624	893.637	894.727	893.699	892.947	892.609	892.440	892.916	892.977
47.5	833.136	834.210	834.931	835.330	835.637	836.190	836.911	836.527	836.236	836.282
50.0	774.982	776.026	777.346	776.808	777.330	778.251	778.589	779.648	781.367	781.351
52.5	717.473	718.624	719.223	719.391	720.589	720.711	721.126	722.262	723.658	725.147
55.0	660.225	661.606	661.913	663.126	664.415	664.185	664.814	665.858	667.116	668.037
57.5	603.192	604.466	604.911	606.553	607.274	608.026	609.484	610.758	611.556	611.817
60.0	546.573	547.663	548.630	550.257	550.870	552.083	553.587	555.275	556.841	557.040
62.5	490.415	491.504	492.824	494.221	495.418	497.030	498.657	500.391	501.005	502.002
65.0	435.607	436.589	438.032	439.321	440.856	442.636	444.539	446.366	446.166	447.824
67.5	380.692	382.196	384.084	385.496	387.261	389.164	391.297	392.356	392.832	394.536
70.0	326.206	328.156	330.243	332.100	334.157	336.413	338.638	339.298	340.680	342.061
72.5	273.854	275.389	276.786	279.088	281.498	284.076	286.271	287.407	289.371	290.737
75.0	225.923	227.856	229.499	231.079	232.814	234.379	235.408	236.482	238.600	240.565
77.5	178.144	180.539	182.319	184.406	186.340	187.813	188.013	188.289	189.333	191.267
80.0	130.504	133.374	135.308	137.994	140.051	141.447	140.526	140.173	140.480	142.245

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PHOTOMETRIC FILENAME : TRSDI48M40.IES

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82.5	96.738	98.150	98.427	99.701	99.823	99.179	94.835	92.103	91.735	93.377
85.0	71.046	72.397	72.811	74.162	74.453	74.315	71.430	69.342	67.025	65.843
87.5	45.369	46.627	47.241	48.622	49.175	49.589	48.500	47.932	47.195	46.888
90.0	19.661	20.843	21.687	23.068	23.912	24.910	25.785	26.706	27.580	28.087
92.5	41.716	41.961	42.115	42.606	42.606	42.667	42.146	41.087	40.135	38.846
95.0	63.802	63.126	62.574	62.175	61.377	60.502	58.660	55.698	52.935	49.881
97.5	85.995	84.414	83.140	81.897	80.301	78.536	75.497	71.737	70.463	69.526
100.0	116.154	115.509	115.448	115.509	115.356	115.049	113.944	112.424	111.227	110.168
102.5	159.880	158.806	158.299	157.870	157.133	156.120	154.585	153.219	152.344	151.285
105.0	203.867	202.333	201.396	200.568	199.340	197.713	195.733	194.459	194.290	193.676
107.5	248.162	246.105	244.785	244.371	243.435	242.038	240.319	238.692	238.232	237.541
110.0	296.155	294.190	292.947	292.072	290.599	288.757	286.440	284.460	283.079	282.096
112.5	345.975	343.488	341.693	340.327	338.347	336.106	333.481	331.087	329.276	327.864
115.0	396.347	393.308	390.914	389.072	386.892	384.421	381.812	378.927	376.962	375.335
117.5	446.857	443.649	440.841	438.615	436.681	434.256	431.432	428.209	425.769	424.096
120.0	498.319	494.727	491.412	488.865	487.130	484.767	482.004	478.904	475.865	473.486
122.5	550.349	546.604	542.705	539.835	537.871	536.044	533.850	529.874	525.454	521.863
125.0	602.992	599.140	594.950	591.604	589.026	586.800	583.669	579.801	575.550	572.005
127.5	656.081	651.860	647.594	643.511	640.104	637.188	634.302	631.478	627.150	623.559
130.0	709.477	705.041	700.882	696.508	692.793	689.355	686.270	683.431	680.761	675.404
132.5	763.763	759.327	754.523	750.348	747.248	743.273	739.789	735.538	731.747	727.879
135.0	818.785	814.196	809.653	805.110	800.659	796.208	791.819	787.813	784.267	781.014
137.5	873.056	868.697	863.479	857.861	852.812	848.422	844.508	841.454	838.369	835.729
140.0	924.732	921.417	916.475	911.717	906.606	902.202	898.226	895.249	893.561	890.261
142.5	977.161	973.754	970.684	966.019	961.782	957.546	953.878	949.120	944.025	939.773
145.0	1029.882	1027.011	1024.264	1021.409	1017.112	1011.525	1005.770	1000.459	995.349	991.235
147.5	1083.738	1079.195	1075.127	1071.444	1067.469	1062.496	1058.030	1053.088	1048.836	1044.877
150.0	1130.334	1126.374	1122.875	1119.729	1116.966	1114.418	1110.428	1107.205	1103.644	1100.390
152.5	1176.670	1173.892	1170.807	1168.274	1166.218	1164.376	1163.317	1161.015	1158.820	1154.062
155.0	1223.435	1220.826	1218.954	1216.989	1215.377	1214.518	1211.817	1207.934	1204.542	1199.615
157.5	1269.310	1268.205	1265.028	1261.421	1258.106	1254.438	1251.322	1248.790	1245.767	1243.203
160.0	1305.347	1302.631	1300.359	1297.443	1294.742	1292.532	1290.537	1288.296	1286.592	1285.426
162.5	1338.085	1336.089	1334.064	1332.452	1331.240	1329.444	1327.986	1327.003	1326.466	1325.883
165.0	1369.318	1368.489	1367.967	1366.709	1365.650	1364.959	1364.637	1365.312	1364.130	1364.115
167.5	1400.843	1400.106	1399.646	1399.477	1399.600	1400.306	1396.975	1394.489	1392.202	1390.099
170.0	1423.328	1422.622	1422.008	1420.319	1418.677	1417.173	1415.807	1414.564	1413.443	1412.476
172.5	1435.376	1434.823	1434.347	1433.918	1433.565	1433.273	1433.058	1433.135	1431.892	1431.155
175.0	1446.672	1446.795	1446.948	1446.656	1446.411	1446.211	1446.058	1445.966	1445.904	1445.889
177.5	1456.341	1456.387	1456.464	1456.571	1456.679	1456.802	1456.955	1457.124	1457.308	1457.508
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1547.677	1548.107	1548.552	1548.997	1549.473	1549.933	1550.424	1550.915	1551.407	1551.913
5.0	1538.560	1539.205	1539.880	1540.586	1541.338	1542.121	1542.934	1543.779	1544.638	1545.544
7.5	1526.804	1527.310	1527.878	1528.523	1529.244	1530.042	1530.902	1531.838	1532.851	1533.925
10.0	1512.331	1512.346	1512.499	1512.791	1513.221	1513.804	1514.525	1515.385	1516.382	1517.518
12.5	1493.790	1493.790	1493.637	1493.499	1493.560	1493.806	1494.251	1494.895	1495.739	1496.783
15.0	1473.086	1472.410	1471.981	1471.444	1470.477	1469.832	1469.494	1469.494	1469.817	1470.477
17.5	1439.274	1441.177	1443.572	1443.771	1443.587	1441.116	1440.164	1439.596	1439.458	1439.735
20.0	1400.705	1402.055	1403.958	1406.414	1409.422	1409.637	1407.811	1406.475	1405.631	1405.309
22.5	1360.355	1361.506	1362.595	1364.361	1366.785	1369.870	1372.326	1370.177	1368.428	1367.369
25.0	1318.363	1318.731	1319.376	1320.066	1321.494	1323.704	1326.988	1329.244	1327.050	1325.146
27.5	1275.050	1274.038	1273.807	1273.439	1273.301	1274.007	1275.572	1277.921	1281.113	1279.240

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

30.0	1229.191	1227.733	1225.599	1224.264	1223.466	1223.558	1224.586	1226.796	1228.761	1231.324
32.5	1172.879	1174.659	1177.100	1175.304	1173.646	1172.065	1171.605	1172.326	1174.214	1177.253
35.0	1117.519	1118.731	1120.220	1121.954	1121.509	1119.560	1118.716	1118.931	1120.174	1122.276
37.5	1062.496	1062.343	1062.910	1064.230	1066.840	1068.405	1065.919	1064.752	1064.967	1066.087
40.0	1007.980	1006.967	1006.645	1007.366	1008.671	1011.050	1012.201	1009.607	1008.394	1008.502
42.5	952.558	951.929	950.855	950.655	950.809	951.806	953.817	954.231	951.760	950.993
45.0	893.622	894.850	896.200	894.574	893.699	893.284	894.052	897.045	897.689	896.246
47.5	836.635	837.034	837.755	838.707	837.356	836.926	837.985	839.827	842.022	840.196
50.0	780.876	780.523	779.832	780.185	782.426	783.270	782.794	783.730	784.406	787.414
52.5	725.914	724.671	723.766	724.334	725.930	728.984	728.999	727.741	728.416	730.534
55.0	668.298	669.081	669.879	669.510	670.278	671.199	673.071	673.716	672.964	673.547
57.5	611.863	612.999	614.058	615.486	615.455	615.792	617.158	619.062	618.755	618.095
60.0	557.700	558.437	559.112	560.248	561.798	562.581	562.121	562.704	564.622	564.054
62.5	504.151	505.655	506.100	506.070	506.561	508.080	508.556	508.326	509.062	511.426
65.0	449.420	451.369	453.165	452.321	453.012	453.395	454.147	456.281	455.744	456.465
67.5	396.224	397.897	398.219	399.416	401.074	401.013	401.719	402.854	404.005	403.775
70.0	343.626	345.223	345.790	347.985	348.185	349.489	350.748	350.733	352.191	353.464
72.5	292.963	293.868	295.495	297.214	297.521	298.442	298.427	301.174	300.345	300.023
75.0	243.158	243.864	244.893	244.632	246.381	247.364	246.028	246.090	246.243	246.335
77.5	193.477	194.091	193.646	192.065	192.648	192.894	193.078	190.469	191.973	192.126
80.0	143.719	144.762	144.148	142.261	140.618	140.741	142.076	142.429	143.350	142.644
82.5	94.421	96.431	96.815	96.938	96.800	97.368	97.997	98.734	99.992	101.343
85.0	63.648	62.635	60.118	57.831	54.838	57.202	59.397	62.098	64.155	66.733
87.5	46.182	45.967	44.893	43.880	42.483	42.054	41.240	41.071	40.457	42.744
90.0	28.977	29.453	30.036	30.236	30.589	31.018	31.663	32.338	32.937	34.640
92.5	37.833	36.620	35.515	34.472	33.321	31.555	29.883	28.302	27.304	28.609
95.0	46.980	44.095	41.317	38.984	36.436	36.544	36.989	37.741	38.677	40.289
97.5	69.020	68.974	68.959	68.959	68.268	66.979	65.260	63.817	63.617	64.400
100.0	109.124	108.326	107.206	105.287	102.448	100.698	100.468	99.562	98.365	97.675
102.5	149.981	148.553	147.325	145.576	144.563	144.026	142.967	140.849	139.145	138.731
105.0	192.587	191.344	189.671	188.289	188.013	188.381	186.279	184.514	184.053	183.071
107.5	236.313	234.901	233.213	231.678	230.604	229.683	228.762	228.608	227.381	225.738
110.0	281.068	279.564	277.584	275.021	273.931	273.026	272.059	271.307	271.215	270.478
112.5	327.542	325.393	323.183	320.743	319.024	318.026	316.292	316.169	316.691	314.956
115.0	374.215	372.834	370.946	367.769	364.776	363.103	362.382	362.259	360.893	361.231
117.5	422.976	421.425	418.433	415.363	412.554	411.050	409.500	407.474	406.599	407.981
120.0	470.815	468.528	466.702	464.492	462.497	459.105	455.851	454.055	454.071	451.937
122.5	518.962	516.951	515.647	514.971	510.797	506.944	504.151	503.077	500.376	497.981
125.0	569.104	566.924	564.760	561.645	558.990	556.165	554.370	551.715	548.323	546.558
127.5	621.103	616.545	612.800	609.930	607.919	606.814	604.220	600.997	598.956	598.066
130.0	670.830	666.717	663.279	660.701	659.089	656.112	653.180	652.505	650.893	650.924
132.5	723.321	719.453	715.969	713.728	709.477	705.563	702.969	702.018	702.816	699.194
135.0	778.005	774.660	771.513	764.760	759.404	756.257	754.492	754.124	751.484	747.248
137.5	833.335	828.899	822.637	817.158	812.416	808.794	806.814	804.941	800.137	796.346
140.0	884.751	879.594	874.867	870.692	866.963	864.292	861.330	855.835	851.492	848.744
142.5	935.583	931.424	928.155	924.978	922.614	919.591	914.096	909.753	906.652	904.749
145.0	987.383	984.252	981.612	979.832	976.348	970.976	966.817	964.115	962.688	961.798
147.5	1041.623	1039.090	1037.909	1030.941	1025.645	1021.486	1018.355	1016.299	1015.378	1015.807
150.0	1098.242	1092.701	1086.393	1080.776	1076.094	1072.488	1069.986	1068.835	1068.205	1068.252
152.5	1147.585	1141.707	1136.642	1132.038	1127.986	1124.701	1122.261	1120.972	1121.770	1117.043
155.0	1194.934	1190.882	1187.091	1183.454	1180.645	1178.680	1177.974	1176.654	1171.605	1167.016
157.5	1241.162	1239.090	1236.235	1234.010	1232.460	1231.585	1230.664	1225.292	1220.719	1216.958
160.0	1284.443	1283.216	1282.510	1282.341	1282.694	1279.993	1274.974	1270.676	1267.116	1264.276
162.5	1325.392	1325.407	1325.914	1324.149	1322.123	1316.966	1313.712	1310.949	1308.678	1306.898
165.0	1362.872	1359.971	1357.300	1354.707	1351.990	1349.626	1347.616	1345.943	1344.654	1343.717
167.5	1388.211	1386.523	1384.589	1382.671	1380.967	1379.509	1378.281	1377.299	1376.578	1376.102

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

170.0	1411.295	1409.959	1408.808	1407.811	1406.997	1406.368	1405.923	1405.647	1405.570	1405.662
172.5	1430.541	1430.019	1429.620	1429.313	1429.129	1429.037	1429.068	1429.206	1429.451	1429.820
175.0	1445.935	1446.027	1446.165	1446.350	1446.580	1446.856	1447.178	1447.562	1447.976	1448.437
177.5	1457.722	1457.953	1458.198	1458.459	1458.735	1459.027	1459.319	1459.641	1459.963	1460.301
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1552.420	1552.941	1553.463	1553.970	1554.492	1555.013	1555.535	1555.244	1554.937	1554.645
5.0	1546.465	1547.416	1548.383	1549.381	1550.394	1551.407	1552.450	1551.852	1551.268	1550.685
7.5	1535.061	1536.273	1537.547	1538.867	1540.264	1541.707	1543.211	1542.321	1541.492	1540.724
10.0	1518.777	1520.173	1521.708	1523.350	1525.131	1527.019	1529.014	1527.909	1526.911	1526.036
12.5	1498.026	1499.469	1501.111	1502.938	1504.964	1507.189	1509.599	1508.156	1506.897	1505.854
15.0	1471.459	1472.748	1474.375	1476.324	1478.580	1481.143	1484.014	1482.463	1481.220	1480.269
17.5	1440.425	1441.530	1443.080	1445.030	1447.424	1450.233	1453.471	1451.675	1450.309	1449.358
20.0	1405.493	1406.215	1407.458	1409.269	1411.617	1414.533	1418.002	1416.129	1414.825	1414.073
22.5	1367.000	1367.323	1368.366	1370.116	1372.572	1375.733	1379.586	1377.483	1376.086	1375.380
25.0	1324.256	1324.348	1325.407	1327.433	1330.380	1334.217	1338.929	1336.458	1334.816	1334.033
27.5	1277.721	1277.138	1277.506	1278.872	1281.282	1284.750	1289.324	1286.684	1285.180	1284.796
30.0	1228.700	1227.241	1226.996	1227.978	1230.204	1233.688	1238.446	1235.775	1234.378	1234.240
32.5	1178.251	1176.133	1175.288	1175.764	1177.606	1180.860	1185.556	1182.563	1181.059	1181.044
35.0	1125.807	1123.965	1122.154	1121.801	1122.967	1125.714	1130.104	1127.648	1126.804	1127.526
37.5	1068.589	1070.017	1067.346	1066.456	1067.407	1070.201	1074.851	1072.349	1071.674	1072.825
40.0	1010.129	1013.505	1011.418	1010.006	1010.589	1013.183	1017.849	1015.516	1015.240	1016.974
42.5	952.205	954.968	955.751	953.755	953.863	956.150	960.677	957.408	956.549	958.145
45.0	895.878	897.659	901.158	898.487	898.027	899.869	904.120	899.838	898.134	899.117
47.5	839.428	840.441	843.142	841.654	840.257	841.500	845.475	838.170	834.072	833.611
50.0	785.035	784.314	786.094	786.754	784.406	784.667	787.751	777.652	770.945	767.968
52.5	731.117	729.076	730.150	732.836	729.030	728.063	730.181	719.760	712.562	708.540
55.0	676.079	674.345	674.314	676.908	672.718	669.679	670.017	661.944	657.063	652.490
57.5	619.737	620.965	619.246	620.044	615.547	607.904	603.867	595.011	590.837	582.058
60.0	564.668	567.646	564.607	563.533	560.801	551.346	545.913	531.271	522.246	502.939
62.5	510.121	510.382	511.395	510.091	510.244	496.523	486.624	461.745	444.386	419.522
65.0	457.754	457.509	460.501	457.063	455.912	438.508	422.991	395.518	373.217	346.911
67.5	405.049	406.200	406.553	404.051	397.068	376.425	352.636	330.228	310.628	288.466
70.0	353.250	355.122	354.048	354.401	339.728	319.392	296.155	274.898	256.020	238.017
72.5	302.570	302.125	305.042	302.371	287.806	264.845	248.131	218.525	205.556	197.713
75.0	246.366	247.747	248.837	249.098	241.470	212.217	203.653	172.066	163.318	157.685
77.5	191.267	191.405	192.679	195.319	189.333	168.582	159.404	131.118	121.525	117.136
80.0	143.596	144.087	144.102	144.102	140.388	125.715	122.093	90.829	85.059	83.769
82.5	102.310	103.323	103.814	104.612	104.029	82.357	68.652	58.414	58.982	64.262
85.0	66.871	67.362	69.296	70.355	70.524	59.842	26.537	35.822	46.121	51.539
87.5	46.351	48.024	47.794	49.359	49.359	48.699	19.722	39.107	44.525	45.507
90.0	36.052	37.541	38.953	39.429	40.933	41.639	30.788	41.394	40.104	38.263
92.5	32.446	35.991	33.413	33.106	32.783	29.253	8.564	23.928	24.756	24.449
95.0	39.797	38.846	40.258	40.289	39.552	38.861	13.337	17.297	21.763	23.805
97.5	64.354	64.523	64.462	64.446	64.001	63.940	63.587	32.277	32.200	35.254
100.0	97.982	98.258	97.874	97.199	98.089	102.018	104.735	59.688	54.286	52.398
102.5	138.178	138.163	138.255	139.237	141.862	143.135	142.429	101.773	86.194	81.360
105.0	181.920	182.380	181.736	182.211	183.317	182.626	182.089	156.427	129.844	117.105
107.5	226.107	224.280	224.480	223.912	222.868	221.840	222.316	212.585	185.358	160.678
110.0	268.099	267.884	266.104	267.040	264.369	263.095	263.172	262.159	244.171	214.043
112.5	314.189	312.439	310.858	310.060	308.756	306.684	307.206	307.098	299.854	276.157
115.0	360.816	358.115	358.146	355.629	356.350	354.063	355.122	353.019	352.329	335.876

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

117.5	405.264	403.990	403.576	402.639	403.637	401.197	402.732	399.984	400.982	392.402
120.0	450.740	451.523	449.543	449.942	450.725	449.052	450.786	447.118	446.857	444.202
122.5	497.475	497.106	495.541	496.600	495.526	493.776	495.096	491.934	491.888	491.719
125.0	546.389	543.258	542.168	543.657	541.109	539.958	541.692	538.500	538.254	539.636
127.5	595.932	592.126	591.113	591.758	588.427	587.874	590.146	586.785	586.232	588.396
130.0	645.767	642.636	642.022	641.055	638.231	637.878	640.104	636.742	636.083	638.139
132.5	695.310	693.162	693.054	690.430	688.250	688.404	690.921	688.066	687.652	689.739
135.0	744.700	743.733	744.071	740.081	738.239	738.576	741.094	738.761	738.623	740.679
137.5	794.505	794.413	793.123	789.716	788.043	788.243	790.437	788.504	788.565	790.483
140.0	847.501	847.532	843.541	840.457	839.336	840.196	843.066	840.410	839.689	840.856
142.5	904.212	902.861	898.211	895.387	894.389	895.264	898.027	894.973	893.760	894.328
145.0	962.274	958.038	954.078	951.699	950.947	951.868	954.523	951.146	949.489	949.519
147.5	1014.794	1011.218	1008.839	1007.719	1007.919	1009.484	1012.477	1008.778	1006.537	1005.739
150.0	1064.138	1061.191	1059.457	1058.951	1059.687	1061.698	1064.982	1061.437	1059.166	1058.183
152.5	1113.620	1111.272	1109.998	1109.829	1110.750	1112.807	1115.984	1112.638	1110.428	1109.338
155.0	1163.547	1161.199	1159.956	1159.818	1160.754	1162.734	1165.742	1162.580	1160.432	1159.296
157.5	1214.027	1211.940	1210.712	1210.359	1210.896	1212.339	1214.671	1211.986	1210.190	1209.284
160.0	1262.189	1260.838	1260.209	1260.332	1261.176	1262.741	1265.013	1262.281	1260.270	1258.950
162.5	1305.624	1304.887	1304.657	1304.948	1305.777	1307.143	1309.031	1306.652	1304.810	1303.506
165.0	1343.150	1342.950	1343.150	1343.717	1344.669	1346.004	1347.723	1345.575	1343.825	1342.459
167.5	1375.902	1375.979	1376.332	1376.961	1377.882	1379.095	1380.599	1378.818	1377.345	1376.163
170.0	1405.954	1406.429	1407.105	1407.949	1408.992	1410.205	1411.617	1410.036	1408.655	1407.442
172.5	1430.280	1430.863	1431.539	1432.337	1433.242	1434.240	1435.345	1434.117	1432.981	1431.953
175.0	1448.943	1449.511	1450.094	1450.739	1451.414	1452.136	1452.903	1452.074	1451.276	1450.524
177.5	1460.654	1461.007	1461.375	1461.759	1462.143	1462.542	1462.941	1462.511	1462.097	1461.682
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1554.338	1554.046	1553.739	1553.448	1553.156	1552.865	1552.573	1552.281	1551.990	1551.714
5.0	1550.133	1549.596	1549.074	1548.567	1548.076	1547.616	1547.186	1546.771	1546.372	1546.004
7.5	1540.003	1539.343	1538.744	1538.207	1537.732	1537.332	1536.979	1536.703	1536.488	1536.350
10.0	1525.254	1524.594	1524.041	1523.611	1523.274	1523.059	1522.936	1522.936	1523.043	1523.258
12.5	1504.994	1504.350	1503.920	1503.690	1503.690	1503.905	1504.319	1504.979	1505.838	1506.928
15.0	1479.593	1479.225	1479.118	1479.302	1479.747	1480.453	1481.420	1482.632	1484.106	1485.809
17.5	1448.851	1448.775	1449.112	1449.895	1451.123	1452.750	1454.822	1457.293	1461.360	1462.557
20.0	1413.873	1414.211	1415.070	1416.467	1418.370	1420.764	1423.650	1427.011	1428.316	1426.735
22.5	1375.380	1376.102	1377.514	1379.616	1382.410	1385.894	1390.053	1388.656	1386.922	1385.909
25.0	1334.110	1335.061	1336.888	1339.589	1343.150	1346.772	1345.390	1343.518	1342.751	1342.751
27.5	1285.564	1287.452	1290.445	1294.542	1299.976	1297.950	1296.967	1296.246	1296.461	1297.581
30.0	1235.330	1237.647	1241.131	1245.782	1244.999	1244.769	1244.907	1246.089	1248.038	1250.616
32.5	1182.533	1185.526	1189.992	1191.527	1191.036	1191.404	1192.524	1194.826	1198.264	1201.963
35.0	1129.736	1133.342	1136.934	1135.246	1135.246	1136.750	1139.359	1142.981	1147.463	1149.504
37.5	1075.772	1080.484	1080.530	1079.486	1080.146	1082.034	1085.702	1091.105	1091.703	1090.967
40.0	1020.657	1024.571	1021.271	1020.888	1022.591	1025.630	1030.526	1030.480	1029.728	1031.416
42.5	962.274	961.276	957.454	957.071	959.066	964.284	966.464	964.668	964.791	967.400
45.0	902.831	895.525	889.770	886.685	889.094	893.576	896.093	897.290	898.288	901.281
47.5	834.348	830.143	826.367	823.236	822.883	825.047	829.728	833.949	836.420	838.262
50.0	766.617	766.141	767.400	768.167	763.655	766.172	770.255	777.146	778.236	779.448
52.5	704.458	704.182	708.924	704.090	698.227	700.314	707.574	710.413	705.118	709.139
55.0	641.347	638.814	641.746	623.160	616.238	618.601	624.925	622.147	618.386	624.403
57.5	566.924	559.634	546.926	530.642	517.688	522.262	531.486	534.264	533.589	532.345
60.0	483.186	471.352	456.772	441.654	431.202	435.714	443.711	452.290	456.403	464.446
62.5	397.667	385.035	377.638	364.991	367.385	369.657	373.340	380.723	390.468	398.864

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

65.0	324.702	320.052	315.586	314.481	315.908	316.307	320.604	326.713	332.361	336.505
67.5	275.850	273.394	271.767	273.179	275.466	276.832	280.362	282.894	285.780	291.505
70.0	236.068	234.932	235.423	237.372	237.971	240.902	245.276	247.210	249.605	253.610
72.5	199.524	196.224	196.853	198.404	200.322	204.865	207.336	210.897	215.133	219.430
75.0	155.644	155.276	156.166	158.453	160.740	164.577	168.705	174.062	177.807	181.720
77.5	116.292	117.520	118.870	122.400	124.718	127.588	131.011	136.843	139.360	143.304
80.0	87.284	89.816	92.088	93.331	94.298	96.892	98.688	101.558	104.182	108.372
82.5	69.250	71.476	71.783	72.166	71.691	70.938	71.491	73.440	75.773	78.628
85.0	53.703	53.718	54.178	53.503	51.201	49.927	48.438	48.254	48.638	52.598
87.5	43.266	44.064	42.084	38.155	35.684	35.439	34.671	35.300	36.129	38.309
90.0	36.191	33.566	31.678	29.484	27.657	25.846	24.695	24.403	24.403	24.327
92.5	23.329	23.621	21.902	20.459	20.520	21.226	21.978	22.746	23.759	24.557
95.0	23.774	22.500	22.469	23.191	23.206	23.713	24.035	23.759	23.298	25.033
97.5	38.861	39.552	39.352	37.280	34.917	35.285	38.109	40.703	42.422	43.588
100.0	55.836	58.384	59.228	59.980	59.074	58.430	59.443	60.901	63.479	66.841
102.5	80.101	80.899	81.145	82.772	84.475	85.335	87.392	89.540	92.426	95.066
105.0	111.918	110.444	110.567	110.690	112.685	115.785	118.456	120.620	124.027	127.833
107.5	150.180	147.018	145.606	146.006	147.755	150.165	153.864	157.271	160.095	163.947
110.0	200.199	189.870	187.583	186.954	188.427	191.083	194.029	197.498	201.688	207.305
112.5	259.980	245.691	238.308	236.712	234.886	237.541	240.380	243.158	247.793	255.360
115.0	326.452	310.597	298.841	293.976	291.858	289.847	290.983	295.986	301.788	308.280
117.5	389.640	380.477	365.666	357.716	354.662	352.068	350.671	354.846	361.691	369.258
120.0	442.621	442.191	428.823	423.283	423.236	418.970	417.389	420.152	426.659	433.013
122.5	490.031	490.998	486.532	482.971	485.227	486.424	483.754	484.613	489.709	497.598
125.0	537.579	538.193	540.587	538.377	540.004	544.071	545.422	544.133	546.711	550.533
127.5	586.984	587.322	590.514	591.850	592.510	594.889	597.590	598.664	599.309	601.519
130.0	638.646	638.615	640.718	644.892	645.046	646.458	646.581	649.144	651.369	652.305
132.5	692.133	691.243	692.471	695.264	697.521	696.124	696.523	698.349	701.419	704.934
135.0	744.931	743.319	742.859	743.902	746.603	748.169	747.908	749.136	751.607	755.720
137.5	794.136	794.673	793.292	793.660	795.978	799.631	800.874	802.025	804.511	807.903
140.0	843.787	847.286	845.782	845.767	847.440	850.862	855.697	857.723	859.058	861.437
142.5	896.569	900.452	900.836	900.498	901.695	904.258	907.957	912.684	915.002	916.813
145.0	951.146	954.354	957.884	956.963	957.316	958.575	961.061	964.837	969.641	972.664
147.5	1006.368	1008.410	1011.832	1012.722	1012.078	1012.569	1014.012	1016.575	1020.166	1024.448
150.0	1058.475	1060.010	1062.803	1066.793	1066.195	1066.241	1066.533	1068.083	1070.630	1074.176
152.5	1109.338	1110.459	1112.638	1115.892	1119.683	1118.777	1119.038	1120.496	1122.936	1126.328
155.0	1159.204	1160.155	1162.135	1165.159	1169.226	1173.646	1174.122	1174.122	1175.411	1177.575
157.5	1209.238	1210.036	1211.648	1214.073	1217.281	1221.225	1225.676	1226.275	1226.720	1227.901
160.0	1258.367	1258.490	1259.334	1260.900	1263.186	1266.164	1269.863	1274.237	1276.539	1276.125
162.5	1302.738	1302.477	1302.754	1303.552	1304.856	1306.667	1308.970	1311.763	1316.459	1318.240
165.0	1341.492	1340.924	1340.755	1340.986	1341.615	1342.643	1344.070	1345.897	1348.092	1350.670
167.5	1375.273	1374.674	1374.367	1374.352	1374.613	1375.135	1375.948	1377.007	1378.343	1379.923
170.0	1406.429	1405.601	1404.956	1404.511	1404.250	1404.173	1404.281	1404.572	1405.063	1405.723
172.5	1431.048	1430.234	1429.543	1428.960	1428.484	1428.131	1427.886	1427.763	1427.748	1427.855
175.0	1449.818	1449.143	1448.529	1447.946	1447.424	1446.948	1446.503	1446.135	1445.797	1445.521
177.5	1461.268	1460.869	1460.485	1460.117	1459.748	1459.395	1459.058	1458.735	1458.413	1458.121
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1551.437	1551.161	1550.900	1550.639	1550.378	1550.133	1549.887	1549.657	1549.427	1549.212
5.0	1545.666	1545.359	1545.068	1544.807	1544.577	1544.377	1544.208	1544.055	1543.947	1543.855
7.5	1536.258	1536.258	1536.304	1536.427	1536.611	1537.072	1536.734	1536.534	1536.366	1536.243
10.0	1523.565	1523.980	1524.502	1524.901	1525.146	1525.484	1525.898	1526.405	1527.003	1527.679

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

12.5	1508.217	1509.399	1510.059	1510.857	1511.763	1512.791	1513.927	1515.523	1513.850	1512.499
15.0	1487.467	1489.263	1491.335	1491.718	1490.782	1490.736	1488.587	1487.114	1485.993	1485.195
17.5	1463.063	1461.206	1459.840	1458.950	1458.244	1457.538	1457.185	1457.185	1457.369	1456.495
20.0	1425.660	1425.093	1425.031	1424.509	1424.080	1424.187	1424.847	1425.169	1425.538	1426.290
22.5	1385.602	1386.001	1386.323	1386.876	1387.966	1389.531	1390.345	1391.772	1393.798	1394.964
25.0	1343.518	1344.423	1345.743	1347.815	1350.394	1352.205	1354.538	1355.489	1354.108	1353.448
27.5	1299.208	1301.019	1303.598	1306.836	1308.847	1308.171	1307.726	1306.729	1306.621	1306.360
30.0	1253.026	1256.372	1259.058	1257.431	1257.001	1257.139	1257.139	1257.830	1258.091	1258.950
32.5	1206.644	1204.680	1204.127	1204.296	1205.156	1205.724	1207.182	1208.118	1209.453	1210.865
35.0	1149.059	1149.074	1149.504	1151.330	1152.374	1154.584	1156.564	1159.035	1160.999	1160.662
37.5	1091.688	1092.686	1094.650	1096.845	1099.884	1102.999	1104.519	1104.166	1104.227	1103.813
40.0	1033.473	1036.266	1039.689	1042.973	1044.447	1045.122	1045.905	1046.089	1046.427	1047.394
42.5	972.081	978.972	982.073	983.423	983.761	985.234	987.414	989.025	989.547	990.468
45.0	907.404	913.099	917.764	920.374	923.704	925.653	928.615	932.268	933.803	934.402
47.5	842.390	849.113	854.469	858.245	861.959	866.763	870.262	873.716	877.476	877.292
50.0	784.160	790.315	796.085	800.076	802.025	806.722	811.679	815.132	818.309	820.566
52.5	721.878	733.803	742.843	740.035	742.475	748.445	753.971	758.053	761.215	763.962
55.0	641.823	662.297	666.686	668.728	677.138	687.636	697.567	702.831	705.578	707.497
57.5	553.295	573.248	586.662	591.711	602.762	622.791	639.290	642.314	645.015	649.313
60.0	475.036	493.791	506.745	513.068	526.482	550.210	566.357	574.322	580.247	589.931
62.5	409.577	423.543	437.832	448.668	463.479	482.004	499.255	505.041	513.299	526.759
65.0	348.323	362.627	375.489	387.737	402.286	420.366	434.717	438.922	446.565	462.957
67.5	299.685	308.725	318.609	327.910	342.982	361.430	375.673	383.700	389.701	403.038
70.0	258.998	263.218	268.529	278.321	291.121	306.377	319.883	329.675	335.231	346.051
72.5	222.178	225.723	230.312	237.787	245.046	255.421	265.582	274.806	282.480	291.075
75.0	184.314	189.517	194.060	200.383	204.405	209.101	215.992	225.278	234.379	242.330
77.5	147.095	152.774	158.146	162.704	165.712	169.227	175.075	182.580	189.962	195.917
80.0	112.823	117.044	121.019	124.656	127.296	130.427	135.093	141.110	146.573	150.564
82.5	80.976	83.186	84.890	87.668	89.187	92.257	96.907	102.893	107.682	111.273
85.0	54.823	57.432	59.289	62.835	64.937	68.222	71.476	75.374	78.382	80.730
87.5	39.306	40.442	41.225	42.913	43.742	45.215	46.597	48.269	49.405	50.341
90.0	24.142	23.667	23.513	23.175	22.822	22.439	21.994	21.364	20.582	20.029
92.5	25.554	26.521	27.596	28.900	30.343	31.862	33.244	34.671	35.960	36.927
95.0	27.212	29.591	31.924	34.871	38.109	41.516	44.724	48.162	51.477	53.902
97.5	44.601	45.722	46.857	48.469	50.326	52.536	56.649	62.098	67.286	71.061
100.0	69.941	73.348	77.093	80.807	84.230	87.867	91.904	96.600	100.821	103.215
102.5	98.442	102.571	108.848	114.220	119.039	124.089	129.982	136.474	141.831	144.793
105.0	133.036	139.575	146.466	152.129	156.718	161.430	169.258	177.346	183.470	186.724
107.5	170.747	179.111	187.860	195.687	202.241	208.687	216.192	223.298	227.995	230.036
110.0	214.611	222.976	232.307	241.700	249.942	257.938	266.104	272.980	276.893	278.213
112.5	264.093	273.793	284.491	292.303	300.099	308.832	316.721	322.431	325.531	326.744
115.0	317.489	328.417	338.485	346.896	354.017	361.660	367.846	372.266	374.445	375.796
117.5	377.269	386.524	396.009	402.317	408.318	413.982	418.509	421.993	423.728	425.646
120.0	439.705	445.537	451.707	457.754	463.034	465.873	469.020	471.905	473.992	476.402
122.5	499.623	502.570	505.532	509.646	513.836	517.151	520.466	522.830	525.255	527.772
125.0	555.429	556.964	558.575	561.614	564.806	568.336	571.575	574.384	577.330	580.200
127.5	604.082	607.505	611.065	614.427	617.696	621.318	623.666	626.352	629.329	632.353
130.0	654.408	657.386	661.744	666.901	672.611	674.698	676.939	679.548	682.065	685.442
132.5	706.637	709.676	713.544	718.271	722.814	727.142	731.117	733.389	735.998	739.605
135.0	760.800	763.502	766.801	770.700	774.875	778.481	782.257	785.741	789.992	794.766
137.5	811.940	816.882	821.839	825.339	828.301	831.647	834.793	838.615	843.173	848.115
140.0	864.921	869.495	874.544	879.793	883.554	886.132	889.371	893.330	897.827	902.923
142.5	919.637	922.584	926.451	930.672	935.507	941.093	945.851	949.673	954.139	958.252
145.0	974.107	976.271	979.018	982.886	987.291	992.601	998.265	1004.573	1010.543	1014.687
147.5	1029.237	1030.634	1033.335	1036.926	1041.116	1045.506	1050.724	1055.497	1060.716	1065.167
150.0	1079.149	1085.058	1090.598	1092.593	1095.801	1099.515	1103.091	1107.404	1110.658	1114.127

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

152.5	1130.334	1134.754	1140.034	1146.035	1150.901	1153.494	1156.303	1158.268	1160.938	1163.087
155.0	1180.584	1183.975	1187.843	1192.432	1197.466	1201.534	1206.261	1209.760	1210.359	1211.694
157.5	1229.835	1232.475	1234.639	1237.003	1239.996	1243.587	1246.212	1249.312	1252.903	1256.203
160.0	1276.324	1277.153	1278.565	1279.824	1281.205	1283.077	1285.410	1287.513	1289.785	1292.563
162.5	1320.066	1319.851	1320.097	1320.818	1321.586	1322.246	1323.351	1324.916	1326.789	1327.970
165.0	1353.156	1355.720	1358.559	1359.848	1360.002	1361.322	1360.585	1360.861	1361.506	1362.519
167.5	1381.765	1383.576	1385.096	1386.830	1388.779	1390.928	1393.261	1396.346	1395.778	1395.732
170.0	1406.568	1407.596	1408.808	1409.867	1410.773	1411.817	1413.014	1414.349	1415.822	1417.434
172.5	1428.070	1428.408	1428.853	1429.405	1430.081	1431.278	1431.170	1431.370	1431.646	1431.999
175.0	1445.291	1445.106	1444.984	1444.907	1444.876	1444.907	1444.999	1445.122	1445.306	1445.551
177.5	1457.845	1457.569	1457.323	1457.093	1456.878	1456.679	1456.495	1456.341	1456.203	1456.080
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

Vert. 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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1548.997	1548.813	1548.613	1548.444	1548.276	1548.122	1547.969	1547.846	1547.723	1547.616
5.0	1543.809	1543.380	1542.981	1542.612	1542.244	1541.906	1541.584	1541.277	1541.016	1540.755
7.5	1536.181	1536.151	1536.181	1536.243	1536.442	1535.936	1535.414	1534.907	1534.447	1534.017
10.0	1528.400	1528.385	1528.431	1528.553	1528.722	1528.952	1529.367	1528.722	1528.032	1527.387
12.5	1511.379	1510.504	1509.890	1508.954	1507.726	1506.713	1505.946	1505.409	1504.273	1502.953
15.0	1484.627	1483.568	1482.801	1482.325	1482.417	1481.097	1480.146	1479.486	1479.194	1477.782
17.5	1456.003	1455.911	1455.850	1455.282	1455.036	1455.129	1454.407	1453.609	1453.133	1452.489
20.0	1427.088	1427.057	1427.456	1428.408	1428.039	1428.116	1428.822	1427.794	1427.211	1427.072
22.5	1396.131	1396.622	1394.934	1393.583	1393.015	1391.112	1389.930	1388.902	1387.183	1386.124
25.0	1352.819	1351.514	1350.946	1349.918	1349.120	1348.629	1347.294	1346.649	1345.298	1344.209
27.5	1306.299	1306.591	1305.977	1306.146	1305.516	1305.332	1304.734	1303.997	1303.352	1302.262
30.0	1259.779	1260.362	1261.191	1261.360	1262.097	1261.836	1262.266	1261.421	1261.329	1260.270
32.5	1212.799	1214.411	1215.669	1214.687	1213.843	1212.814	1211.801	1210.481	1209.392	1207.903
35.0	1160.247	1160.616	1160.017	1159.664	1158.866	1158.820	1157.592	1156.902	1155.750	1154.615
37.5	1103.736	1104.043	1105.056	1104.365	1104.181	1104.120	1103.598	1103.521	1102.140	1101.373
40.0	1047.486	1048.192	1049.189	1049.680	1049.604	1049.558	1049.773	1049.220	1048.560	1048.192
42.5	991.926	992.632	993.814	995.302	994.458	994.351	995.180	994.121	993.614	993.323
45.0	935.415	936.274	937.287	937.870	938.070	938.361	938.653	938.592	938.484	937.794
47.5	878.213	879.778	880.714	881.328	881.758	882.341	882.710	883.093	883.446	882.495
50.0	822.116	823.221	824.556	825.676	825.508	826.229	826.981	827.610	828.270	827.273
52.5	765.742	767.415	768.904	770.301	769.457	769.794	770.731	771.314	771.820	771.206
55.0	709.277	711.042	711.840	712.853	712.976	713.145	714.173	714.634	715.217	715.048
57.5	652.520	654.209	654.991	655.866	656.587	656.787	657.677	658.046	658.690	658.874
60.0	595.134	597.774	598.741	599.293	600.260	601.028	601.197	601.565	602.209	602.670
62.5	537.502	541.999	542.828	542.383	543.396	543.457	543.335	542.982	542.797	542.736
65.0	478.029	482.848	482.971	483.140	485.396	485.626	484.920	483.922	483.002	482.480
67.5	418.433	422.914	422.930	423.804	427.120	428.117	426.767	425.094	423.329	422.300
70.0	357.777	363.134	363.456	364.392	368.628	370.900	368.812	366.449	363.778	362.136
72.5	299.439	305.195	306.561	307.804	312.040	315.033	312.976	310.950	308.863	308.096
75.0	249.205	253.702	254.884	255.283	257.632	259.811	257.816	256.051	254.455	254.439
77.5	200.245	202.808	203.300	203.208	203.806	204.589	202.655	201.074	199.984	200.783
80.0	152.283	152.421	151.792	151.485	150.441	149.397	147.494	146.067	145.468	147.095
82.5	112.532	112.608	112.654	113.207	112.639	111.810	110.598	110.045	110.245	112.117
85.0	81.329	81.130	80.807	80.638	79.641	78.167	76.525	75.973	76.264	77.814
87.5	50.188	49.681	49.037	48.116	46.689	44.525	42.453	41.915	42.330	43.512
90.0	19.078	18.264	17.297	15.578	13.721	10.866	8.380	7.843	8.395	9.209
92.5	37.050	36.820	36.329	35.761	34.840	33.228	31.770	31.862	32.968	34.073
95.0	55.053	55.391	55.406	55.974	55.974	55.590	55.176	55.897	57.555	58.936
97.5	73.149	74.023	74.607	76.264	77.185	78.029	78.612	79.994	82.158	83.815

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

100.0	103.799	103.338	102.878	103.768	104.136	104.735	105.103	106.147	108.065	107.881
102.5	145.821	146.098	146.604	148.047	149.244	150.364	150.871	152.053	154.094	155.644
105.0	188.166	189.164	190.545	192.587	194.536	196.040	196.700	198.020	200.169	201.903
107.5	230.834	232.630	234.778	237.418	240.043	241.808	242.575	244.049	246.289	248.177
110.0	279.364	280.393	282.526	285.212	287.806	289.294	289.847	291.090	293.085	294.881
112.5	328.355	329.123	332.146	335.369	338.362	340.127	341.171	342.767	345.023	347.110
115.0	377.300	378.374	382.472	385.925	389.241	391.251	392.633	394.566	397.053	399.370
117.5	426.905	428.762	432.906	436.835	440.503	442.682	444.248	446.489	449.205	451.661
120.0	477.875	481.144	485.258	489.202	492.855	495.556	496.646	499.040	501.757	504.151
122.5	529.966	534.156	538.300	542.460	546.036	548.461	550.456	553.265	556.027	558.391
125.0	583.424	587.706	591.988	596.347	599.585	602.071	604.558	607.704	610.375	612.708
127.5	636.589	641.239	646.059	650.878	653.533	656.081	658.905	662.282	664.845	667.101
130.0	690.169	694.589	699.454	704.105	707.435	710.198	713.375	716.721	719.422	721.602
132.5	743.994	748.875	753.618	757.792	761.476	764.561	767.907	771.160	774.107	776.271
135.0	799.094	803.637	808.487	812.462	815.930	819.307	822.806	825.891	828.777	831.033
137.5	853.441	858.383	863.294	868.144	871.014	874.330	878.581	880.914	883.538	886.117
140.0	907.451	912.300	916.506	920.527	924.303	927.909	931.823	935.292	937.840	940.280
142.5	962.688	966.187	970.224	973.232	976.716	980.231	983.653	987.859	989.424	991.665
145.0	1017.649	1020.749	1023.481	1026.643	1029.421	1032.905	1035.929	1039.152	1041.208	1043.112
147.5	1069.418	1073.485	1077.522	1079.977	1082.571	1085.441	1088.664	1091.013	1093.223	1094.635
150.0	1117.442	1120.558	1124.072	1127.280	1131.086	1134.555	1138.714	1141.047	1144.086	1145.498
152.5	1165.282	1168.029	1170.469	1173.646	1176.348	1179.617	1182.318	1184.728	1186.984	1188.334
155.0	1213.428	1215.132	1217.526	1219.552	1221.854	1224.510	1226.275	1228.746	1229.927	1231.217
157.5	1259.810	1262.941	1264.015	1265.458	1267.760	1268.804	1270.615	1272.395	1272.948	1274.176
160.0	1295.509	1297.766	1300.467	1303.813	1305.885	1308.540	1312.147	1312.899	1314.372	1316.459
162.5	1329.551	1331.546	1333.603	1335.169	1337.118	1339.466	1340.586	1341.492	1342.766	1343.840
165.0	1363.762	1364.422	1365.435	1366.785	1369.026	1368.857	1369.318	1370.085	1371.451	1371.298
167.5	1395.993	1396.545	1397.389	1397.742	1397.574	1397.681	1398.049	1398.679	1398.786	1398.709
170.0	1419.122	1419.767	1420.519	1421.378	1422.315	1423.343	1424.755	1424.862	1425.154	1425.200
172.5	1432.429	1432.920	1433.488	1434.133	1435.084	1435.023	1435.099	1435.238	1435.437	1435.698
175.0	1445.828	1445.674	1445.551	1445.475	1445.429	1445.429	1445.475	1445.551	1445.674	1445.828
177.5	1455.973	1455.896	1455.819	1455.789	1455.758	1455.758	1455.773	1455.804	1455.850	1455.927
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1547.524	1547.431	1547.370	1547.017	1546.679	1546.357	1546.050	1545.774	1545.498	1545.237
5.0	1540.525	1540.325	1540.157	1539.466	1538.806	1538.177	1537.578	1537.010	1536.473	1535.967
7.5	1533.618	1533.265	1532.943	1531.930	1530.963	1530.027	1529.152	1528.308	1527.525	1526.788
10.0	1526.788	1526.236	1525.729	1524.409	1523.136	1521.923	1520.772	1519.667	1518.439	1516.321
12.5	1501.863	1501.004	1500.390	1498.809	1497.489	1496.384	1495.540	1494.435	1492.685	1491.166
15.0	1476.585	1475.664	1475.035	1473.162	1471.566	1470.262	1469.049	1466.716	1464.675	1462.925
17.5	1451.230	1450.294	1449.695	1447.516	1445.659	1444.124	1441.760	1439.136	1436.849	1434.608
20.0	1425.814	1424.893	1424.340	1421.869	1419.751	1417.879	1414.610	1411.724	1409.069	1405.555
22.5	1384.651	1383.131	1382.256	1379.693	1377.790	1375.764	1373.186	1371.252	1368.781	1366.525
25.0	1343.057	1341.277	1340.187	1337.425	1335.383	1332.759	1330.104	1327.694	1324.578	1322.200
27.5	1301.510	1299.438	1298.103	1295.172	1293.008	1289.892	1287.175	1283.876	1280.606	1277.568
30.0	1260.009	1257.615	1256.019	1252.949	1250.663	1247.163	1244.339	1240.241	1236.420	1233.135
32.5	1206.921	1204.450	1202.623	1199.845	1197.758	1194.658	1192.033	1188.856	1186.216	1183.807
35.0	1153.448	1151.161	1149.243	1146.680	1144.500	1141.293	1138.238	1135.307	1132.329	1129.551
37.5	1100.007	1097.873	1095.847	1093.591	1091.289	1088.004	1084.766	1082.034	1078.765	1075.573
40.0	1046.611	1044.585	1042.452	1040.548	1038.123	1034.793	1031.570	1028.669	1025.507	1021.901
42.5	991.665	989.885	987.828	986.232	983.868	980.814	977.836	974.798	971.835	968.413
45.0	936.627	935.154	933.204	931.931	929.659	926.804	924.134	920.895	917.764	914.756

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

47.5	881.574	880.407	878.566	877.691	875.573	872.948	870.661	867.223	864.138	861.176
50.0	826.505	825.630	823.942	823.466	821.578	819.261	817.174	813.782	810.973	807.796
52.5	770.623	769.963	768.382	767.845	765.927	763.732	761.675	759.112	756.718	753.756
55.0	714.695	714.281	712.823	712.193	710.259	708.065	706.039	704.074	701.726	698.917
57.5	658.752	658.583	657.263	656.557	654.623	652.444	650.678	649.128	646.826	644.616
60.0	602.793	602.869	601.703	600.905	599.032	596.868	595.564	594.321	592.157	590.637
62.5	542.460	542.337	541.217	540.925	539.344	537.656	536.934	536.075	534.740	533.696
65.0	481.958	481.758	480.730	480.930	479.548	478.182	477.676	476.908	475.849	474.683
67.5	421.487	421.180	420.244	420.950	419.768	418.801	418.479	417.926	417.051	416.054
70.0	361.016	360.586	359.757	360.985	360.018	359.481	359.297	359.097	358.330	357.808
72.5	307.405	306.853	305.901	306.622	305.717	305.379	305.103	304.919	303.645	302.985
75.0	254.009	253.181	252.030	252.275	251.600	251.661	251.584	251.799	250.326	249.973
77.5	200.614	199.493	198.173	197.912	197.483	197.974	198.097	198.741	197.038	197.053
80.0	147.233	145.821	144.302	143.535	143.381	144.302	144.624	145.760	143.795	144.241
82.5	112.332	111.196	109.938	109.600	109.569	110.306	110.414	111.166	109.186	109.170
85.0	77.692	76.663	75.574	75.727	76.065	76.970	77.492	78.459	77.507	78.075
87.5	43.051	42.100	41.194	41.869	42.545	43.650	44.571	45.768	45.983	47.026
90.0	8.411	7.551	6.830	7.996	9.040	10.314	11.634	13.061	14.442	15.962
92.5	33.812	33.274	33.136	34.487	35.715	37.065	38.431	39.874	41.255	42.882
95.0	59.197	58.982	59.427	60.978	62.374	63.802	65.244	66.687	68.068	69.803
97.5	84.614	84.706	85.734	87.468	89.049	90.538	92.042	93.454	94.851	96.631
100.0	109.631	110.352	112.025	113.851	115.310	116.338	119.975	122.093	124.257	126.959
102.5	156.887	157.348	158.821	161.292	163.103	165.037	166.956	168.905	170.716	172.911
105.0	203.438	204.174	205.602	208.564	210.222	212.140	213.936	215.731	217.236	218.939
107.5	250.019	251.017	252.398	255.698	257.355	259.243	260.931	262.574	263.817	265.075
110.0	295.326	297.521	299.179	302.555	303.154	306.668	308.495	310.291	311.672	312.946
112.5	349.029	350.272	351.485	354.953	357.102	358.898	360.509	362.029	363.149	364.070
115.0	401.289	402.639	403.791	406.983	409.515	411.173	412.570	413.843	414.764	415.378
117.5	453.564	455.022	456.097	459.013	461.898	463.479	464.676	465.781	466.518	466.886
120.0	503.906	506.898	508.403	510.551	512.255	515.984	517.059	518.118	518.855	519.115
122.5	560.309	561.890	563.087	566.188	568.797	570.101	570.792	571.544	572.250	572.035
125.0	614.687	616.376	617.788	621.256	623.374	624.311	624.664	625.109	625.646	625.201
127.5	669.111	670.876	672.473	676.294	678.044	678.596	678.704	678.781	679.072	678.704
130.0	723.566	724.809	727.158	730.703	732.775	732.974	732.882	732.468	732.453	732.115
132.5	778.128	779.909	781.674	785.342	786.938	787.214	786.984	786.217	785.787	785.511
135.0	832.721	834.425	836.174	839.428	841.101	841.577	841.070	840.211	839.536	839.029
137.5	887.360	888.956	890.691	893.515	895.280	896.032	895.295	894.497	893.745	892.670
140.0	941.891	942.904	945.191	947.048	949.335	949.918	948.998	948.046	946.557	944.900
142.5	993.338	994.689	996.346	998.572	1000.383	1000.628	999.845	999.093	997.374	995.978
145.0	1044.846	1045.936	1047.516	1049.527	1051.522	1051.461	1050.924	1049.926	1048.499	1047.163
147.5	1096.415	1097.198	1098.671	1100.498	1102.754	1102.401	1102.263	1100.958	1099.945	1098.779
150.0	1146.097	1147.969	1149.826	1150.977	1152.144	1152.727	1152.451	1150.256	1148.460	1146.419
152.5	1190.053	1190.683	1192.064	1193.353	1195.394	1194.980	1194.658	1193.322	1191.772	1190.161
155.0	1232.429	1233.012	1234.317	1235.361	1237.095	1237.310	1236.926	1236.604	1235.023	1234.117
157.5	1274.820	1275.357	1276.555	1277.368	1278.841	1279.732	1279.287	1279.471	1278.519	1277.568
160.0	1316.030	1317.411	1318.792	1319.130	1319.452	1321.279	1320.066	1319.237	1318.593	1316.291
162.5	1344.178	1344.853	1345.866	1346.265	1346.987	1348.030	1347.800	1347.079	1346.710	1346.142
165.0	1371.543	1372.096	1372.955	1373.216	1373.784	1374.644	1375.549	1374.935	1374.628	1374.613
167.5	1398.894	1399.339	1400.029	1400.198	1400.628	1401.303	1402.224	1402.792	1402.546	1402.546
170.0	1425.829	1426.474	1427.103	1427.103	1427.103	1427.118	1427.686	1427.993	1428.147	1427.318
172.5	1436.020	1436.389	1436.818	1436.818	1436.864	1436.972	1437.141	1437.340	1437.601	1437.923
175.0	1446.027	1446.273	1446.549	1446.518	1446.534	1446.580	1446.672	1446.795	1446.948	1447.132
177.5	1456.019	1456.126	1456.264	1456.234	1456.234	1456.249	1456.280	1456.326	1456.402	1456.495
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1545.006	1544.776	1544.577	1544.393	1544.239	1544.086	1543.963	1543.855	1543.779	1543.717
5.0	1535.506	1535.076	1534.677	1534.324	1533.987	1533.265	1532.590	1531.961	1531.393	1530.886
7.5	1525.944	1524.532	1523.182	1521.908	1520.711	1519.590	1518.562	1517.610	1516.751	1515.891
10.0	1514.295	1512.377	1510.535	1508.816	1507.082	1505.240	1503.367	1501.618	1499.991	1498.471
12.5	1489.907	1488.910	1487.866	1486.807	1486.024	1485.533	1485.333	1485.042	1481.834	1478.841
15.0	1461.375	1459.411	1457.768	1456.479	1455.067	1453.701	1452.074	1450.770	1449.803	1449.081
17.5	1431.907	1429.590	1427.656	1425.123	1422.560	1420.350	1417.879	1416.145	1414.119	1412.553
20.0	1402.439	1399.738	1396.131	1392.923	1390.114	1386.538	1383.177	1380.307	1377.529	1374.229
22.5	1364.913	1362.718	1361.168	1359.864	1356.057	1351.683	1347.493	1342.551	1338.223	1334.263
25.0	1319.514	1317.273	1315.017	1311.855	1309.476	1306.744	1304.196	1301.203	1298.287	1292.977
27.5	1274.605	1271.889	1267.576	1264.123	1260.255	1256.848	1253.824	1250.831	1248.498	1246.273
30.0	1230.158	1225.062	1220.412	1215.730	1211.479	1207.504	1203.820	1200.459	1196.760	1194.013
32.5	1180.783	1176.747	1173.094	1167.998	1163.348	1159.020	1154.492	1149.473	1145.467	1142.428
35.0	1125.699	1121.908	1117.918	1114.618	1111.732	1108.862	1104.534	1099.439	1095.663	1091.688
37.5	1071.643	1067.499	1062.849	1059.825	1056.464	1051.783	1048.376	1046.642	1044.431	1039.228
40.0	1018.355	1013.935	1009.684	1005.678	1000.567	996.085	993.323	990.406	986.355	983.162
42.5	964.775	960.892	956.196	951.208	945.836	941.953	938.730	934.417	930.411	927.142
45.0	910.612	906.422	902.109	896.599	892.072	888.665	884.521	880.192	875.711	870.968
47.5	857.063	852.658	847.931	841.684	838.968	835.039	830.971	826.321	821.486	816.268
50.0	803.913	799.708	794.566	790.146	787.138	782.027	777.576	773.094	767.661	763.594
52.5	750.379	746.972	742.122	738.914	734.908	729.843	725.991	720.665	715.631	710.766
55.0	695.541	691.903	688.250	686.224	682.142	678.827	675.327	668.758	665.090	660.486
57.5	641.055	637.725	634.793	632.261	628.362	625.953	622.208	618.187	615.071	610.743
60.0	586.877	584.375	581.597	579.126	576.456	573.401	569.626	564.730	560.616	557.301
62.5	531.210	530.381	528.416	527.188	524.595	521.372	517.258	511.334	506.484	501.035
65.0	472.933	471.859	470.662	470.386	468.513	467.255	463.924	458.138	451.507	444.662
67.5	414.810	413.782	413.276	412.324	409.945	408.610	405.433	401.734	395.579	391.758
70.0	356.795	356.227	355.982	354.201	351.730	350.226	348.553	346.159	341.800	341.201
72.5	301.650	301.327	300.422	297.429	293.822	292.886	292.886	292.026	290.998	291.244
75.0	248.975	249.589	248.975	247.149	244.954	243.788	243.112	242.483	242.437	242.683
77.5	196.500	198.097	197.882	197.621	196.700	196.761	196.685	197.114	197.636	198.526
80.0	144.225	146.773	147.049	148.661	148.906	150.119	150.763	152.237	153.403	155.337
82.5	108.633	110.245	109.646	110.674	110.076	110.582	110.229	110.874	110.905	112.593
85.0	78.275	79.994	80.101	81.191	81.022	82.127	82.403	83.570	84.168	85.642
87.5	48.009	49.697	50.648	51.707	52.060	53.749	54.716	56.327	57.601	59.381
90.0	17.742	19.369	21.226	22.209	23.145	25.340	27.059	29.069	31.064	33.060
92.5	44.432	46.044	47.824	48.699	49.436	51.462	52.889	54.577	56.158	57.831
95.0	71.107	72.703	74.392	75.175	75.727	77.507	78.689	80.055	81.237	82.557
97.5	97.767	99.302	100.944	101.665	102.049	103.584	104.551	105.579	106.408	107.958
100.0	128.939	131.471	134.142	135.999	137.626	140.189	142.307	144.287	146.220	148.492
102.5	174.584	176.671	178.820	180.216	181.567	183.485	185.082	186.309	187.568	189.302
105.0	220.321	221.963	223.651	224.633	225.631	227.074	228.194	228.793	229.345	230.481
107.5	266.150	267.408	268.682	269.327	269.803	271.675	273.102	273.916	274.699	275.988
110.0	314.158	315.478	316.982	317.934	318.440	319.806	320.957	321.249	321.633	322.446
112.5	364.899	365.666	366.894	367.631	367.416	368.352	369.135	369.196	369.258	369.718
115.0	415.900	416.130	417.159	417.604	417.067	417.343	417.880	417.880	417.389	417.159
117.5	467.224	466.902	467.531	467.838	467.347	467.009	467.162	467.040	466.226	465.505
120.0	519.131	518.548	518.686	518.747	518.241	517.535	517.320	516.813	516.015	515.171
122.5	571.590	570.792	570.347	570.393	569.288	568.797	568.229	567.615	566.863	565.205
125.0	624.479	623.543	622.561	622.530	621.487	620.642	619.660	617.465	616.345	614.411
127.5	677.860	676.801	675.251	674.268	672.979	671.214	669.940	668.405	666.809	664.292
130.0	731.194	729.537	727.465	725.715	724.594	722.430	720.911	719.867	718.379	716.920

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

132.5	784.436	782.702	780.676	777.468	776.501	774.706	772.941	771.912	770.792	767.937
135.0	837.893	836.558	834.793	831.908	829.621	827.994	825.078	822.377	820.151	817.603
137.5	891.765	891.044	888.496	885.303	881.819	878.750	876.002	873.056	870.631	868.681
140.0	943.518	941.677	939.420	936.781	933.557	930.887	927.971	925.362	922.891	920.941
142.5	994.397	992.632	990.453	988.350	986.017	983.515	981.428	978.926	976.793	973.462
145.0	1045.690	1044.431	1042.590	1040.963	1038.599	1036.742	1034.731	1030.894	1026.305	1022.223
147.5	1097.643	1096.292	1094.957	1091.811	1088.450	1085.027	1082.003	1078.842	1075.941	1072.104
150.0	1144.700	1142.014	1139.789	1136.934	1134.233	1131.654	1129.429	1127.710	1125.177	1123.289
152.5	1188.242	1186.723	1184.436	1182.855	1180.384	1178.220	1176.547	1175.427	1175.181	1173.969
155.0	1232.414	1231.002	1229.774	1228.132	1227.165	1225.553	1223.957	1221.931	1221.072	1218.079
157.5	1277.215	1275.695	1274.774	1274.176	1271.689	1268.681	1265.780	1262.112	1259.073	1256.449
160.0	1314.387	1312.837	1310.059	1307.726	1305.823	1303.322	1300.973	1299.070	1297.244	1295.126
162.5	1344.393	1342.996	1341.952	1340.279	1338.607	1337.333	1335.905	1334.862	1333.542	1332.621
165.0	1374.674	1373.400	1372.449	1371.820	1371.098	1370.515	1369.763	1369.379	1369.333	1369.487
167.5	1402.807	1403.329	1403.283	1402.715	1402.408	1402.378	1402.623	1402.746	1400.505	1398.341
170.0	1426.581	1425.906	1425.338	1424.847	1424.371	1422.928	1421.470	1420.135	1418.923	1417.848
172.5	1438.108	1437.601	1437.156	1436.772	1436.465	1436.220	1436.051	1435.944	1435.898	1435.729
175.0	1447.362	1447.623	1447.915	1448.237	1448.590	1448.437	1448.314	1448.237	1448.222	1448.237
177.5	1456.587	1456.709	1456.863	1457.016	1457.185	1457.369	1457.584	1457.799	1458.029	1458.275
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1543.671	1543.641	1543.641	1543.656	1543.687	1543.748	1543.825	1543.932	1544.040	1544.178
5.0	1530.441	1530.042	1529.705	1529.444	1529.229	1529.075	1528.983	1528.968	1528.999	1529.091
7.5	1514.848	1513.911	1513.067	1512.331	1511.686	1511.164	1510.734	1510.412	1510.213	1510.105
10.0	1497.090	1495.831	1494.327	1492.624	1491.120	1489.784	1488.649	1487.697	1486.930	1486.377
12.5	1476.048	1473.469	1471.106	1468.988	1466.778	1464.660	1462.787	1461.176	1459.810	1458.705
15.0	1448.161	1447.669	1446.027	1442.881	1439.995	1437.156	1434.071	1431.339	1428.991	1427.011
17.5	1411.464	1410.128	1408.778	1407.949	1407.642	1405.278	1401.472	1397.620	1394.258	1391.404
20.0	1371.497	1369.318	1367.430	1365.542	1364.268	1363.593	1363.562	1360.969	1356.594	1352.803
22.5	1330.349	1326.835	1323.949	1321.570	1319.406	1317.933	1317.119	1317.012	1316.935	1312.208
25.0	1288.311	1283.814	1279.900	1276.647	1273.869	1271.505	1269.909	1269.111	1269.080	1269.387
27.5	1244.738	1239.320	1235.698	1231.324	1227.702	1224.141	1221.102	1219.153	1218.278	1218.063
30.0	1191.910	1190.406	1189.577	1184.559	1178.819	1173.170	1170.469	1167.446	1165.205	1163.808
32.5	1140.049	1136.274	1132.959	1130.733	1130.825	1125.008	1120.112	1115.385	1111.625	1108.908
35.0	1086.163	1081.512	1078.489	1076.355	1074.314	1072.733	1069.050	1063.171	1058.413	1054.945
37.5	1033.642	1029.390	1025.431	1020.995	1016.114	1015.393	1013.904	1011.264	1005.417	1000.905
40.0	981.152	977.161	971.053	966.356	962.642	959.450	956.718	955.045	953.203	948.476
42.5	923.198	919.468	917.580	912.730	908.939	904.504	901.480	899.638	898.733	896.400
45.0	866.364	863.617	861.299	858.736	856.848	852.351	848.637	845.475	843.188	842.421
47.5	812.646	809.300	805.571	803.130	801.810	801.012	797.298	793.108	790.146	788.227
50.0	760.340	755.751	752.466	749.136	747.847	746.250	745.161	741.907	736.873	733.527
52.5	707.267	703.829	700.943	698.303	694.988	691.903	689.754	687.851	685.150	681.374
55.0	656.066	652.919	649.174	646.166	642.544	639.428	636.620	634.640	633.673	630.649
57.5	606.522	601.596	596.577	592.295	590.008	589.609	586.140	583.347	581.137	580.431
60.0	555.168	550.180	544.578	540.127	537.456	536.351	536.136	534.433	531.378	529.675
62.5	498.073	495.157	492.226	488.711	486.593	484.920	484.107	484.337	483.078	480.254
65.0	443.864	440.963	438.508	436.896	436.436	434.594	434.686	433.734	432.921	431.877
67.5	391.128	388.734	387.230	386.232	385.603	385.833	386.816	384.606	383.593	382.150
70.0	340.188	338.684	337.763	337.257	337.318	336.781	337.456	337.242	335.922	333.006
72.5	290.660	289.555	288.941	289.248	289.862	290.614	290.691	289.479	287.253	287.683
75.0	242.959	241.363	241.455	241.654	243.404	244.524	244.356	243.573	242.483	242.560
77.5	198.189	196.685	195.979	195.794	198.342	198.941	199.555	198.665	199.217	200.030

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

80.0	155.184	154.984	154.754	156.105	157.194	157.286	156.718	156.550	158.422	159.681
82.5	112.961	113.928	114.358	117.059	118.502	119.791	119.515	120.344	121.433	122.631
85.0	85.043	84.982	84.245	85.719	85.626	85.657	84.168	86.041	87.929	90.430
87.5	60.072	60.886	61.377	63.433	64.185	65.091	64.753	65.858	66.457	67.362
90.0	35.285	36.897	38.723	41.102	42.974	44.693	46.197	48.009	50.019	51.416
92.5	59.734	61.008	62.344	64.124	65.521	66.610	67.685	68.959	70.079	70.985
95.0	84.138	85.135	86.010	87.161	88.113	88.665	89.325	91.628	93.653	95.710
97.5	110.981	113.406	115.509	117.888	119.945	121.710	123.152	124.656	125.838	127.066
100.0	150.671	152.237	153.465	155.107	156.504	157.455	158.238	159.282	161.108	162.320
102.5	190.914	191.712	192.126	192.786	195.181	196.301	197.759	198.219	199.800	199.938
105.0	232.676	233.796	234.533	235.469	237.602	238.278	239.076	239.398	239.997	241.025
107.5	277.231	278.658	278.981	279.518	280.838	281.789	281.897	281.820	282.020	283.570
110.0	323.336	324.180	324.656	324.503	324.963	325.592	326.483	326.452	326.191	325.623
112.5	370.148	370.301	370.639	370.102	370.439	371.529	372.726	371.989	370.731	370.593
115.0	417.251	417.327	417.374	417.174	417.297	417.527	417.374	417.251	417.420	417.174
117.5	465.229	465.367	465.827	465.121	463.786	463.095	463.034	463.924	463.740	461.775
120.0	514.450	514.005	513.222	512.301	511.349	510.751	510.935	509.676	508.142	507.328
122.5	563.149	561.721	560.923	560.632	560.294	560.402	557.531	555.321	554.170	554.370
125.0	612.477	610.943	610.175	610.052	609.316	606.691	604.374	602.808	602.363	600.751
127.5	663.187	661.683	659.473	658.199	656.081	654.469	653.042	652.075	650.141	647.287
130.0	715.647	711.871	708.586	705.149	704.489	703.614	703.261	700.882	697.582	695.955
132.5	764.791	761.721	758.283	755.843	754.477	754.093	751.285	748.062	745.775	744.777
135.0	815.347	812.723	810.467	807.888	805.893	801.918	798.802	796.561	795.195	794.934
137.5	866.686	865.197	863.525	858.843	855.191	850.908	848.223	846.749	846.289	844.831
140.0	919.499	917.120	913.206	909.384	905.962	903.061	900.390	898.718	897.244	893.254
142.5	969.364	965.758	962.703	959.741	955.981	955.444	954.354	952.267	947.094	943.303
145.0	1018.539	1015.669	1013.137	1011.403	1009.975	1008.916	1005.847	1001.104	997.344	994.673
147.5	1068.911	1066.348	1064.614	1063.586	1063.049	1058.444	1054.116	1050.248	1047.440	1045.751
150.0	1120.772	1118.501	1116.920	1113.298	1108.678	1103.844	1101.388	1098.809	1097.136	1096.415
152.5	1172.817	1167.661	1163.532	1158.636	1154.538	1151.238	1148.721	1146.971	1146.051	1145.897
155.0	1215.454	1211.387	1207.581	1204.342	1201.365	1198.571	1196.576	1195.394	1195.057	1195.379
157.5	1254.254	1252.259	1250.663	1249.036	1246.856	1245.260	1244.293	1243.955	1243.418	1239.182
160.0	1293.576	1292.609	1291.872	1290.982	1290.506	1290.475	1290.905	1288.787	1284.812	1281.389
162.5	1332.099	1331.593	1331.286	1331.485	1332.206	1330.948	1328.201	1325.100	1322.491	1320.358
165.0	1369.057	1368.996	1367.798	1365.159	1362.841	1360.708	1358.605	1356.840	1355.413	1354.323
167.5	1396.361	1394.565	1392.954	1391.542	1389.854	1388.181	1386.784	1385.648	1384.804	1384.221
170.0	1416.897	1416.083	1415.101	1413.996	1413.029	1412.246	1411.617	1411.157	1410.880	1410.758
172.5	1435.023	1434.409	1433.918	1433.503	1433.212	1433.027	1432.935	1432.966	1433.089	1433.319
175.0	1448.299	1448.406	1448.560	1448.775	1449.020	1449.312	1449.649	1450.033	1450.447	1450.923
177.5	1458.551	1458.827	1459.104	1459.411	1459.733	1460.055	1460.393	1460.731	1461.084	1461.452
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1544.347	1544.515	1544.423	1544.730	1545.037	1545.344	1545.651	1545.958	1546.265	1545.743
5.0	1529.244	1529.474	1529.751	1530.088	1530.058	1530.702	1531.331	1531.976	1532.621	1531.623
7.5	1510.120	1510.243	1510.458	1510.811	1511.256	1511.333	1512.269	1513.205	1514.142	1512.591
10.0	1486.009	1485.840	1485.855	1486.085	1486.500	1486.270	1487.528	1488.802	1490.076	1488.111
12.5	1457.876	1457.308	1457.016	1457.001	1457.262	1457.799	1458.060	1459.580	1461.099	1458.597
15.0	1425.430	1424.248	1423.450	1423.051	1423.051	1423.466	1423.481	1425.277	1427.088	1424.325
17.5	1389.040	1387.198	1385.863	1385.050	1384.773	1385.019	1384.743	1386.830	1388.917	1385.587
20.0	1349.626	1347.048	1345.083	1343.763	1343.088	1343.073	1342.382	1344.669	1346.956	1343.503
22.5	1308.187	1304.887	1302.324	1300.513	1299.454	1299.178	1298.103	1300.574	1303.045	1299.009
25.0	1264.921	1260.485	1256.848	1254.039	1252.105	1251.062	1250.939	1251.276	1253.594	1249.818

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

27.5	1219.107	1212.999	1208.271	1204.741	1202.393	1201.242	1201.257	1201.871	1204.741	1200.413
30.0	1162.918	1162.350	1156.748	1152.359	1149.228	1147.370	1146.833	1146.956	1149.811	1145.912
32.5	1107.343	1107.082	1105.102	1100.421	1097.183	1095.402	1095.064	1095.464	1098.717	1093.760
35.0	1052.765	1051.752	1052.198	1047.946	1043.956	1041.515	1040.671	1040.625	1043.894	1039.198
37.5	997.789	996.607	997.068	996.638	992.310	989.562	988.457	988.181	991.358	985.587
40.0	945.253	943.257	942.490	943.350	939.006	935.338	933.604	932.851	936.121	930.887
42.5	891.581	888.281	886.485	886.101	884.106	880.085	878.320	877.706	881.512	876.187
45.0	839.720	833.228	832.077	831.140	831.877	827.273	824.602	822.852	825.753	820.719
47.5	787.521	783.208	779.494	777.837	778.420	775.534	772.895	771.590	775.181	769.564
50.0	732.161	731.440	726.912	725.009	725.546	725.101	721.863	719.791	722.998	717.734
52.5	678.735	677.860	676.064	673.885	673.961	675.435	671.229	668.252	671.030	665.336
55.0	627.104	625.984	626.766	624.034	622.883	624.157	619.829	615.086	616.759	612.262
57.5	576.947	575.934	575.657	574.936	572.020	571.759	569.211	564.576	566.878	562.305
60.0	529.475	526.974	525.055	524.994	521.402	520.052	519.238	514.404	517.136	511.887
62.5	478.827	479.333	474.852	472.688	472.365	470.140	470.079	467.746	469.603	465.735
65.0	429.176	427.488	427.227	425.247	425.999	423.022	423.144	420.351	420.750	417.558
67.5	381.766	379.357	379.571	378.835	378.267	377.254	375.366	373.693	375.167	371.345
70.0	332.960	333.420	332.484	334.464	332.867	331.686	327.803	326.130	326.483	323.751
72.5	287.299	287.330	288.374	287.775	285.381	284.091	281.053	279.103	280.147	278.060
75.0	243.250	244.095	243.680	243.419	241.271	239.352	237.510	237.035	235.162	233.382
77.5	200.660	200.997	200.813	199.094	198.818	198.219	197.575	195.472	195.564	191.666
80.0	160.601	159.189	159.450	159.895	159.650	159.496	159.082	157.225	154.861	152.160
82.5	123.306	123.106	122.446	121.940	123.751	124.027	123.198	120.697	117.581	116.338
85.0	91.121	91.167	90.937	91.075	92.073	92.349	91.213	89.893	85.366	84.567
87.5	66.917	66.104	65.229	65.874	67.132	66.503	66.687	67.163	60.855	62.098
90.0	52.874	53.979	54.823	55.667	56.235	56.481	56.926	57.064	55.683	57.294
92.5	71.583	72.028	71.783	72.688	73.379	73.517	73.087	72.918	67.194	70.493
95.0	97.122	97.828	98.335	98.933	99.655	99.087	98.028	95.572	93.377	95.434
97.5	128.325	128.985	129.430	129.691	129.967	129.077	128.079	126.329	127.419	127.020
100.0	163.809	163.441	164.055	164.101	163.825	163.042	162.106	160.233	160.080	160.126
102.5	201.412	202.179	202.655	201.473	201.366	200.736	198.757	198.097	197.590	196.899
105.0	241.685	242.268	242.744	243.066	241.240	239.751	237.802	237.372	236.236	237.265
107.5	283.370	283.616	284.721	284.091	281.728	281.851	280.178	278.873	278.152	279.671
110.0	325.945	326.836	326.283	327.925	326.160	325.746	323.797	323.045	323.674	323.352
112.5	370.869	369.749	370.317	369.902	369.703	368.674	367.830	366.572	367.446	366.710
115.0	415.286	415.332	415.609	413.045	413.767	411.541	411.802	409.730	410.851	409.162
117.5	460.916	461.959	459.719	459.013	457.831	455.099	455.160	452.520	453.533	452.198
120.0	507.681	505.978	505.118	506.284	502.831	500.897	499.900	496.354	499.808	495.786
122.5	551.331	550.794	551.269	551.254	548.491	547.939	546.327	543.427	547.003	542.874
125.0	598.265	597.129	597.452	595.257	594.505	595.763	593.676	591.988	596.009	590.791
127.5	645.798	645.829	644.370	641.715	641.439	642.790	639.597	637.602	640.902	636.574
130.0	695.372	695.357	691.105	689.171	689.371	688.880	686.363	684.951	688.465	683.324
132.5	745.560	742.843	739.712	738.162	738.592	736.228	734.049	732.882	736.520	732.084
135.0	793.016	788.365	788.642	788.519	789.470	785.971	784.682	784.559	788.749	783.792
137.5	841.086	838.784	838.185	839.229	838.615	835.530	834.363	834.179	837.801	833.427
140.0	890.399	888.833	888.741	890.199	886.685	883.707	882.464	882.065	885.334	881.466
142.5	940.925	940.142	940.694	940.188	935.967	933.450	932.621	932.667	936.013	932.023
145.0	993.092	992.647	993.630	989.670	985.787	983.285	982.241	981.919	984.774	981.336
147.5	1045.015	1045.291	1043.833	1039.628	1036.604	1034.870	1034.455	1034.685	1037.832	1034.348
150.0	1096.292	1096.569	1092.379	1089.278	1087.314	1086.516	1086.915	1087.912	1091.366	1087.621
152.5	1146.542	1142.551	1139.144	1136.780	1135.476	1135.246	1136.059	1137.410	1140.786	1137.118
155.0	1191.404	1187.582	1184.574	1182.410	1181.121	1180.722	1181.244	1182.210	1185.096	1181.965
157.5	1235.422	1232.398	1230.112	1228.577	1227.809	1227.840	1227.027	1229.897	1232.782	1229.544
160.0	1278.550	1276.309	1274.682	1273.685	1273.332	1273.638	1273.239	1275.971	1278.719	1275.680
162.5	1318.700	1317.549	1316.904	1316.751	1317.119	1317.994	1318.378	1321.033	1323.688	1320.726
165.0	1353.586	1353.203	1353.172	1353.509	1354.200	1355.259	1355.965	1358.283	1360.600	1358.145

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

167.5	1383.914	1383.883	1384.129	1384.651	1385.449	1386.508	1387.321	1389.301	1391.281	1389.209
170.0	1410.819	1411.049	1411.464	1412.047	1412.799	1412.968	1414.502	1416.053	1417.603	1415.960
172.5	1433.657	1434.102	1434.654	1435.314	1436.082	1436.511	1437.709	1438.921	1440.134	1438.921
175.0	1451.430	1451.967	1452.565	1453.195	1453.609	1454.407	1455.221	1456.049	1456.863	1456.065
177.5	1461.820	1462.204	1462.557	1462.956	1463.370	1463.770	1464.184	1464.598	1465.013	1464.629
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

**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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1545.221	1544.715	1544.193	1543.687	1543.180	1543.073	1542.704	1542.351	1542.014	1541.722
5.0	1530.625	1529.628	1528.646	1528.308	1527.617	1526.973	1526.405	1525.898	1525.438	1525.054
7.5	1511.057	1509.522	1508.847	1507.803	1506.897	1506.115	1505.455	1504.917	1504.518	1504.242
10.0	1486.147	1484.198	1483.707	1482.586	1481.650	1480.898	1480.345	1479.977	1479.777	1479.777
12.5	1456.080	1454.852	1453.364	1452.166	1451.276	1450.693	1450.417	1450.463	1450.800	1451.445
15.0	1421.563	1420.550	1419.153	1418.125	1417.465	1417.188	1417.250	1417.664	1418.432	1419.521
17.5	1382.256	1381.320	1379.877	1378.987	1378.665	1378.910	1379.724	1381.090	1383.024	1385.525
20.0	1340.065	1339.558	1338.361	1337.778	1337.778	1338.376	1339.512	1341.200	1343.410	1346.127
22.5	1294.972	1294.558	1293.391	1293.054	1293.560	1294.911	1297.106	1300.144	1303.767	1303.091
25.0	1248.007	1246.626	1246.120	1246.457	1247.593	1249.481	1252.075	1254.653	1252.704	1251.982
27.5	1198.310	1196.806	1196.453	1197.267	1199.247	1202.378	1206.107	1204.588	1203.375	1202.470
30.0	1144.700	1144.071	1144.639	1146.342	1149.089	1152.834	1151.300	1150.133	1150.102	1151.023
32.5	1091.719	1090.521	1090.921	1092.977	1096.707	1097.812	1097.029	1096.906	1097.259	1098.809
35.0	1037.755	1037.064	1037.847	1040.057	1042.421	1040.103	1039.244	1040.349	1042.743	1046.212
37.5	983.423	982.287	983.116	985.956	985.848	985.004	985.403	986.431	988.872	992.678
40.0	929.552	929.045	930.227	931.961	929.367	928.355	929.398	932.299	936.382	937.088
42.5	875.189	875.204	877.307	877.246	875.880	876.340	877.721	880.392	880.315	879.947
45.0	820.427	821.179	824.096	822.054	821.348	820.412	825.339	827.012	826.428	825.983
47.5	768.812	769.319	770.209	768.167	768.474	770.807	772.971	771.176	771.375	773.186
50.0	717.749	718.885	717.703	715.662	715.800	718.732	717.933	717.811	718.471	720.635
52.5	665.566	667.285	665.121	664.492	665.980	665.720	664.108	664.507	666.794	667.930
55.0	614.104	615.731	613.245	613.429	615.470	613.506	613.153	614.273	614.626	614.074
57.5	564.469	564.592	562.827	563.916	563.302	562.535	562.427	563.978	562.366	562.305
60.0	514.250	513.421	513.084	514.219	511.933	512.470	513.928	512.101	511.518	512.378
62.5	465.904	463.801	464.538	463.494	462.312	463.111	461.745	461.468	461.975	461.806
65.0	417.834	415.701	416.575	413.644	414.058	412.861	412.094	413.107	412.063	411.587
67.5	370.117	368.751	367.446	365.942	365.021	364.024	364.208	363.671	363.349	363.241
70.0	322.630	322.830	319.898	319.453	317.719	318.011	316.430	315.693	316.322	315.800
72.5	276.494	275.804	273.762	273.271	273.455	271.736	270.739	270.048	269.204	268.882
75.0	231.878	230.742	229.683	229.176	228.332	227.657	227.196	225.401	224.296	223.651
77.5	190.116	189.579	187.675	186.263	186.217	185.542	184.636	182.749	182.211	181.014
80.0	150.549	150.042	148.845	147.678	146.850	145.806	145.699	144.409	142.598	140.772
82.5	115.095	114.926	114.112	112.869	111.918	110.981	109.769	108.725	107.896	106.930
85.0	84.491	84.598	84.061	82.634	81.636	81.083	80.470	79.380	77.415	75.359
87.5	61.945	61.438	61.469	60.241	59.213	60.302	60.763	61.515	61.300	60.993
90.0	56.972	56.941	56.987	56.358	55.790	54.977	53.795	52.797	51.201	49.543
92.5	71.537	72.504	72.289	71.522	71.568	72.550	73.072	72.596	71.153	70.509
95.0	96.447	96.923	96.554	96.815	97.260	97.828	97.690	96.478	94.344	93.055
97.5	126.805	127.220	127.281	126.299	127.327	128.033	127.220	126.022	125.332	124.779
100.0	160.202	160.279	161.231	161.753	161.799	162.259	162.520	160.632	159.665	158.269
102.5	196.654	197.329	198.496	199.294	199.816	199.984	199.309	198.005	197.836	197.790
105.0	235.945	236.359	238.140	239.966	239.766	239.475	238.186	237.434	238.063	239.413
107.5	278.812	279.042	279.564	280.577	281.697	279.748	279.073	278.919	279.165	280.469
110.0	323.167	322.968	321.924	323.014	321.894	322.922	322.078	321.541	322.600	323.766
112.5	367.170	365.789	365.528	365.129	364.561	364.837	367.247	366.725	366.879	368.291

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

115.0	410.636	409.193	410.666	408.288	408.687	408.932	410.344	412.355	412.109	411.756
117.5	454.454	453.441	455.130	454.608	453.932	456.004	455.851	456.465	457.017	456.664
120.0	498.749	498.917	499.716	501.864	500.283	501.435	503.445	502.002	501.388	501.711
122.5	545.038	545.545	544.931	546.803	547.064	547.033	547.325	548.706	547.156	548.031
125.0	591.297	592.402	591.159	592.341	594.935	592.801	592.433	594.474	595.825	596.362
127.5	637.372	639.152	637.310	636.911	638.477	639.843	639.720	641.255	644.969	647.363
130.0	683.262	684.567	684.690	684.413	686.025	689.325	689.141	690.230	692.548	695.756
132.5	732.468	733.849	735.384	734.003	734.479	736.811	739.850	739.958	740.572	741.723
135.0	783.162	783.684	786.401	784.835	784.682	784.467	788.396	789.409	788.780	789.716
137.5	832.905	833.366	835.806	835.944	834.409	834.317	835.791	838.676	839.551	840.180
140.0	881.251	881.881	884.214	887.022	884.828	884.137	885.165	887.913	892.056	893.591
142.5	931.347	931.532	933.435	937.041	937.088	936.259	936.949	939.236	942.889	947.862
145.0	981.106	981.643	983.684	987.199	990.913	989.808	990.115	991.481	994.013	997.712
147.5	1033.780	1033.872	1035.299	1038.016	1041.945	1043.142	1042.666	1043.127	1044.232	1046.289
150.0	1086.362	1085.672	1086.178	1087.836	1090.629	1094.497	1093.760	1093.299	1093.576	1094.819
152.5	1135.476	1134.386	1134.340	1135.368	1137.471	1140.648	1145.145	1143.303	1142.981	1143.395
155.0	1180.737	1179.954	1180.046	1181.013	1182.809	1185.403	1188.749	1192.202	1191.481	1191.665
157.5	1226.321	1226.781	1226.413	1226.842	1228.040	1230.019	1232.736	1236.189	1240.364	1240.471
160.0	1272.641	1272.748	1272.119	1272.150	1272.825	1274.114	1276.017	1278.488	1281.527	1285.119
162.5	1317.764	1317.104	1315.968	1315.354	1315.293	1315.769	1316.782	1318.347	1320.435	1323.074
165.0	1355.689	1354.845	1353.648	1352.834	1352.374	1352.297	1352.573	1353.218	1354.215	1355.566
167.5	1387.137	1386.231	1385.080	1384.190	1383.561	1383.223	1383.146	1383.346	1383.822	1384.574
170.0	1414.334	1412.707	1412.461	1411.632	1411.003	1410.543	1410.282	1410.205	1410.312	1410.604
172.5	1437.709	1436.496	1436.051	1435.299	1434.639	1434.086	1433.657	1433.319	1433.104	1432.997
175.0	1455.267	1454.469	1453.671	1453.271	1452.673	1452.105	1451.583	1451.107	1450.662	1450.279
177.5	1464.230	1463.846	1463.463	1463.079	1462.695	1462.357	1462.004	1461.651	1461.314	1460.976
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1541.430	1541.185	1540.955	1540.755	1540.571	1540.433	1540.310	1540.218	1540.141	1540.110
5.0	1524.716	1524.456	1524.256	1524.118	1524.041	1524.026	1524.072	1524.179	1524.363	1524.594
7.5	1504.104	1504.104	1504.227	1504.488	1504.887	1505.409	1506.069	1506.851	1507.266	1507.603
10.0	1479.962	1480.315	1480.852	1481.573	1482.463	1483.338	1484.228	1485.287	1486.515	1487.912
12.5	1452.412	1453.686	1455.251	1456.802	1457.937	1459.288	1460.838	1462.588	1464.537	1466.547
15.0	1420.933	1422.668	1424.617	1426.858	1429.467	1430.695	1430.833	1431.370	1431.048	1430.894
17.5	1388.580	1391.081	1391.941	1390.774	1390.114	1389.961	1390.237	1390.897	1392.018	1393.583
20.0	1347.585	1346.987	1347.002	1347.631	1348.859	1349.381	1349.826	1350.824	1352.358	1354.215
22.5	1301.556	1300.743	1300.636	1301.234	1302.677	1304.826	1307.604	1310.735	1312.699	1315.047
25.0	1252.121	1253.072	1254.806	1256.265	1257.815	1260.086	1263.094	1266.885	1271.306	1273.485
27.5	1202.470	1203.391	1205.325	1208.287	1212.032	1214.978	1218.677	1218.877	1219.905	1221.639
30.0	1152.850	1154.461	1157.592	1160.693	1163.025	1163.609	1165.036	1166.755	1167.906	1169.901
32.5	1101.480	1104.933	1108.755	1108.740	1108.740	1109.338	1110.858	1113.298	1116.521	1119.007
35.0	1050.371	1052.198	1052.151	1052.796	1054.131	1056.434	1058.199	1060.854	1064.276	1068.436
37.5	994.105	994.735	994.719	997.543	999.738	1002.516	1006.107	1009.653	1012.293	1014.411
40.0	936.903	937.962	940.126	943.119	946.388	949.796	952.374	954.584	956.902	959.296
42.5	880.975	882.909	885.718	888.127	892.732	894.834	896.707	899.255	902.140	905.179
45.0	826.659	829.145	832.706	834.409	836.620	839.275	842.682	845.414	848.637	851.998
47.5	775.734	777.223	777.161	779.065	781.873	785.127	788.857	793.154	796.546	797.804
50.0	722.553	722.645	723.044	723.842	728.493	732.606	736.305	737.763	739.467	740.879
52.5	667.807	668.666	669.817	672.089	674.514	677.967	679.425	679.656	682.740	684.598
55.0	614.795	616.498	618.862	619.077	620.090	622.024	624.126	625.446	627.058	628.593
57.5	563.548	565.605	565.773	566.218	566.403	568.106	570.086	571.974	572.864	574.460
60.0	512.992	512.654	513.176	514.265	515.217	516.276	517.458	518.425	519.161	520.205

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

62.5	461.453	461.560	462.359	463.771	464.461	464.262	464.691	465.720	466.472	467.193
65.0	411.848	412.324	412.585	412.646	413.015	413.352	413.091	414.289	414.688	415.148
67.5	363.916	363.149	362.673	362.719	362.965	363.563	363.118	363.502	363.947	363.886
70.0	315.018	314.220	314.404	314.373	314.327	314.388	314.097	313.514	314.081	313.452
72.5	268.176	267.945	267.761	267.255	266.718	266.257	265.459	264.553	264.799	263.801
75.0	223.544	222.884	222.715	221.640	220.367	219.292	218.310	216.775	217.266	217.144
77.5	180.876	179.618	178.850	177.223	176.717	176.256	175.903	175.197	174.568	173.954
80.0	140.296	140.296	139.943	139.252	138.009	136.720	135.461	134.157	132.576	131.164
82.5	106.254	105.303	103.722	101.957	99.931	97.859	95.572	93.546	92.717	92.687
85.0	73.732	74.361	74.591	74.530	74.453	74.330	73.855	73.502	72.903	72.151
87.5	60.978	60.364	59.688	58.783	57.816	56.849	55.683	54.393	53.212	51.753
90.0	48.500	46.550	44.893	43.128	41.271	39.414	37.557	35.285	33.535	31.341
92.5	69.987	69.005	67.915	66.595	65.091	64.093	62.758	61.100	59.228	57.831
95.0	92.057	91.612	90.998	90.062	89.034	88.804	87.975	86.824	84.951	84.337
97.5	124.104	123.582	122.262	120.374	118.441	117.167	115.371	113.053	110.859	110.966
100.0	157.777	158.207	157.716	156.672	155.583	154.815	153.940	152.252	150.011	148.983
102.5	197.529	196.454	195.104	193.799	193.185	193.185	193.047	191.896	190.515	189.839
105.0	238.769	237.341	236.022	235.085	234.349	234.241	233.612	232.461	231.340	231.079
107.5	280.377	279.165	278.060	277.707	277.860	278.075	277.216	275.942	274.959	274.806
110.0	323.674	321.848	321.372	321.832	322.523	322.630	321.817	320.436	320.083	320.957
112.5	368.766	367.140	366.372	366.909	367.876	367.968	366.664	365.743	366.372	367.984
115.0	411.818	412.109	412.784	413.460	413.951	413.797	412.815	412.416	413.843	415.931
117.5	456.004	457.002	458.583	460.854	461.346	460.854	460.363	460.624	462.220	464.400
120.0	503.230	503.798	504.888	506.346	507.558	508.817	509.124	509.799	511.380	513.206
122.5	549.934	551.761	552.482	553.326	553.787	555.291	557.025	559.112	561.461	562.934
125.0	597.620	599.002	600.859	601.012	602.117	603.867	605.755	608.395	610.866	612.201
127.5	646.995	647.210	647.363	649.313	651.814	654.239	656.572	658.583	661.253	662.911
130.0	696.861	695.679	696.339	697.290	700.897	704.688	709.569	711.104	712.577	713.912
132.5	743.979	746.619	746.926	748.215	750.717	754.569	758.375	761.921	764.423	766.111
135.0	791.681	794.689	798.280	799.846	802.255	805.494	809.039	811.280	813.920	817.128
137.5	841.807	844.217	847.547	850.064	855.712	858.598	860.332	862.373	864.507	867.392
140.0	894.696	896.630	899.316	903.030	907.005	910.858	913.114	914.081	916.122	918.992
142.5	949.688	950.655	951.223	954.201	956.733	959.327	962.212	965.880	969.303	972.265
145.0	1002.224	1004.235	1004.419	1005.371	1006.798	1008.839	1011.679	1015.270	1019.629	1024.786
147.5	1049.251	1052.965	1058.076	1057.554	1058.552	1060.317	1062.864	1066.118	1070.201	1073.915
150.0	1096.983	1099.055	1103.659	1108.218	1111.886	1113.175	1115.309	1117.826	1120.005	1123.121
152.5	1144.731	1146.987	1150.102	1153.970	1158.605	1162.458	1167.093	1168.121	1169.871	1171.851
155.0	1192.678	1194.489	1197.083	1199.723	1202.516	1205.862	1209.668	1213.643	1218.171	1220.534
157.5	1240.487	1241.116	1242.344	1244.140	1246.135	1248.544	1251.537	1254.853	1257.155	1259.779
160.0	1287.129	1286.930	1287.314	1288.265	1289.785	1290.705	1291.580	1292.962	1294.834	1296.568
162.5	1326.236	1328.968	1330.227	1329.567	1329.367	1329.643	1330.058	1330.503	1331.378	1332.682
165.0	1357.285	1359.342	1361.368	1363.547	1366.033	1367.108	1367.092	1367.445	1367.538	1367.875
167.5	1385.587	1386.861	1388.411	1390.053	1391.588	1393.353	1395.348	1397.543	1399.968	1402.592
170.0	1411.095	1411.770	1412.630	1413.674	1414.901	1415.991	1416.881	1417.910	1419.091	1420.411
172.5	1433.012	1433.120	1433.350	1433.687	1434.133	1434.700	1435.360	1436.143	1436.389	1436.542
175.0	1449.926	1449.634	1449.373	1449.174	1449.020	1448.913	1448.851	1448.836	1448.882	1448.974
177.5	1460.654	1460.332	1460.025	1459.733	1459.441	1459.180	1458.920	1458.659	1458.428	1458.214
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

Vert. 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	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1540.095	1540.110	1540.157	1540.233	1540.325	1540.448	1540.602	1540.786	1540.985	1541.216
5.0	1524.885	1525.254	1525.668	1525.821	1526.021	1526.282	1526.589	1526.957	1527.372	1527.832
7.5	1508.048	1508.570	1509.169	1509.860	1510.642	1511.502	1512.438	1513.083	1513.727	1514.433

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

10.0	1489.493	1491.227	1492.977	1493.944	1494.941	1496.031	1497.243	1498.533	1499.945	1501.004
12.5	1466.732	1466.885	1467.330	1468.082	1469.141	1469.725	1469.847	1470.246	1470.952	1471.935
15.0	1431.140	1431.754	1432.229	1433.534	1434.716	1436.235	1438.108	1438.829	1439.658	1440.840
17.5	1394.842	1396.146	1397.343	1398.955	1400.797	1402.454	1404.496	1406.936	1408.394	1409.775
20.0	1356.472	1359.219	1362.074	1363.931	1366.264	1369.088	1371.313	1373.938	1376.977	1378.742
22.5	1317.964	1321.094	1324.609	1327.679	1328.431	1329.444	1331.163	1332.206	1333.864	1335.690
25.0	1274.529	1275.311	1276.631	1278.212	1280.484	1282.080	1283.799	1285.948	1287.467	1289.708
27.5	1224.080	1225.753	1227.349	1229.590	1231.846	1234.823	1236.880	1239.382	1241.546	1243.633
30.0	1172.449	1175.641	1178.512	1180.998	1184.022	1186.953	1190.376	1192.877	1195.732	1197.942
32.5	1122.000	1125.423	1129.306	1132.851	1136.259	1138.438	1140.817	1143.058	1145.406	1147.248
35.0	1072.211	1074.636	1076.939	1079.855	1082.218	1084.950	1087.298	1089.846	1092.486	1095.080
37.5	1017.189	1019.629	1022.407	1025.354	1028.163	1031.493	1034.440	1037.249	1039.934	1043.004
40.0	962.182	965.543	968.397	971.759	975.335	978.742	981.996	984.697	987.705	990.606
42.5	908.510	911.825	915.431	918.716	922.430	925.853	927.602	929.490	931.608	933.327
45.0	855.544	859.166	860.701	862.466	864.522	866.840	868.927	871.014	872.825	874.514
47.5	799.094	800.797	802.746	804.174	806.522	808.533	810.820	812.692	814.396	816.069
50.0	741.999	743.503	745.667	747.693	749.412	751.054	753.111	754.661	756.319	757.961
52.5	686.317	687.360	689.064	691.136	693.223	694.344	695.909	697.536	699.194	700.882
55.0	631.371	632.338	633.412	635.315	637.295	638.369	639.735	641.301	642.774	644.017
57.5	576.241	577.729	578.021	580.108	581.643	582.825	584.007	585.403	586.616	587.337
60.0	521.924	523.612	524.211	525.439	526.759	527.695	528.677	529.767	530.550	530.903
62.5	468.406	469.787	470.631	471.414	472.596	473.133	474.008	474.852	475.635	475.957
65.0	415.869	416.836	417.865	418.202	419.461	419.507	420.075	420.719	421.349	421.564
67.5	364.177	364.668	365.774	365.543	366.341	366.234	366.418	366.802	367.201	367.278
70.0	313.222	313.115	313.759	313.406	313.606	313.314	313.007	313.099	313.191	313.115
72.5	262.896	262.175	262.113	262.512	262.804	262.973	262.742	262.927	263.034	263.095
75.0	216.668	216.361	216.453	216.361	215.946	215.778	215.118	214.672	214.258	213.982
77.5	172.849	171.913	171.176	170.455	169.411	168.705	167.692	166.541	165.574	164.914
80.0	129.430	127.787	126.299	124.749	123.106	121.740	120.436	118.533	116.982	115.862
82.5	92.533	92.288	92.103	91.735	91.213	90.845	90.569	89.571	88.681	88.190
85.0	71.307	70.401	69.649	68.836	67.731	66.825	66.088	64.876	63.541	62.743
87.5	50.188	48.607	47.256	46.013	44.294	42.882	41.608	40.166	38.401	37.296
90.0	29.038	26.813	24.848	23.160	20.827	18.909	17.113	15.455	13.245	11.833
92.5	56.266	54.731	53.196	51.646	49.804	48.162	46.520	45.123	43.143	41.501
95.0	83.493	82.634	81.498	80.086	78.766	77.415	75.911	74.791	73.041	71.153
97.5	110.828	110.598	109.830	108.587	107.743	106.623	105.318	104.412	102.862	100.775
100.0	148.047	147.111	145.576	143.550	141.969	140.173	138.285	136.827	134.740	131.916
102.5	189.471	189.103	188.105	186.586	185.235	183.930	182.749	181.736	180.017	177.761
105.0	231.264	231.417	230.865	229.729	228.655	227.841	227.319	226.705	225.355	223.666
107.5	274.990	274.837	273.916	273.026	272.243	271.982	272.043	271.782	270.769	269.634
110.0	321.955	322.062	321.188	320.236	319.469	319.269	319.162	318.594	317.473	316.491
112.5	369.334	369.595	368.828	368.598	368.552	369.135	369.135	368.659	367.815	367.155
115.0	417.251	417.312	416.990	417.481	418.095	419.415	419.246	418.908	418.264	417.880
117.5	465.505	465.658	465.935	466.871	468.175	469.925	469.495	469.342	468.866	468.682
120.0	514.496	514.971	515.570	516.721	518.502	520.144	520.343	520.527	520.098	519.975
122.5	564.162	564.991	565.313	567.170	569.303	570.946	571.820	572.404	572.465	572.849
125.0	614.672	615.501	616.422	618.248	620.658	622.500	623.743	624.525	625.047	625.953
127.5	664.584	665.888	667.638	669.848	672.381	674.882	676.125	676.985	677.890	679.241
130.0	715.601	717.458	719.668	722.231	724.625	726.912	728.738	729.644	730.887	732.483
132.5	768.290	770.163	772.588	774.736	777.346	779.433	781.413	782.533	783.991	785.741
135.0	820.566	824.019	826.597	828.608	830.526	832.752	834.348	835.745	837.433	839.275
137.5	870.800	874.637	878.627	881.113	883.876	886.792	887.774	889.217	891.243	893.131
140.0	922.507	926.636	929.690	932.790	935.614	937.886	939.651	941.615	944.056	946.557
142.5	975.964	979.295	982.671	985.173	987.383	989.209	991.020	993.246	995.563	998.372
145.0	1029.989	1033.749	1036.144	1038.553	1039.796	1041.178	1042.912	1044.984	1047.486	1049.957
147.5	1078.289	1082.387	1086.393	1089.631	1092.256	1093.560	1095.494	1097.520	1099.807	1101.726

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

150.0	1126.067	1129.429	1132.237	1134.325	1136.888	1139.650	1142.981	1145.774	1148.875	1151.468
152.5	1174.506	1176.271	1177.821	1179.847	1181.873	1184.620	1186.876	1189.608	1191.972	1194.197
155.0	1221.870	1222.852	1224.157	1225.476	1227.472	1229.175	1231.140	1233.442	1234.946	1237.141
157.5	1262.941	1265.842	1269.019	1271.751	1272.641	1273.899	1275.818	1276.693	1278.166	1279.624
160.0	1298.533	1300.958	1303.598	1305.762	1308.340	1311.349	1313.236	1315.492	1318.163	1319.268
162.5	1333.726	1335.491	1337.056	1339.021	1340.955	1342.259	1343.948	1345.989	1346.925	1347.708
165.0	1368.566	1369.610	1370.438	1371.390	1372.219	1373.400	1374.889	1375.150	1375.488	1376.132
167.5	1402.531	1402.408	1402.592	1403.037	1403.774	1404.020	1403.759	1403.759	1404.035	1404.572
170.0	1421.854	1423.450	1425.031	1425.706	1426.412	1427.211	1428.101	1429.083	1430.157	1430.050
172.5	1436.757	1437.049	1437.402	1437.847	1438.353	1438.936	1439.581	1439.428	1439.121	1438.860
175.0	1449.097	1449.281	1449.511	1449.174	1448.867	1448.590	1448.345	1448.130	1447.946	1447.792
177.5	1457.999	1457.814	1457.630	1457.461	1457.323	1457.185	1457.078	1456.970	1456.894	1456.832
180.0	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734	1465.734

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	1554.584	1554.584	1554.584	1554.584	1554.584
2.5	1541.476	1541.768	1542.075	1542.397	1542.750
5.0	1528.354	1528.922	1529.551	1530.211	1530.932
7.5	1515.216	1516.075	1517.012	1518.025	1519.099
10.0	1502.063	1502.830	1504.304	1505.777	1507.266
12.5	1472.717	1473.500	1474.559	1475.894	1477.506
15.0	1442.359	1443.311	1444.477	1445.950	1447.746
17.5	1411.540	1413.244	1414.456	1416.037	1417.986
20.0	1380.752	1383.193	1383.714	1385.970	1388.227
22.5	1336.842	1338.668	1340.049	1341.400	1343.441
25.0	1291.335	1293.284	1295.218	1296.568	1298.671
27.5	1245.905	1247.961	1250.432	1251.752	1253.886
30.0	1200.505	1202.715	1204.020	1206.568	1209.100
32.5	1149.197	1151.161	1153.786	1155.029	1156.917
35.0	1096.922	1099.132	1101.679	1103.045	1104.734
37.5	1044.846	1047.209	1049.650	1051.123	1052.535
40.0	992.924	995.410	997.712	998.679	1000.352
42.5	935.215	937.226	938.914	940.249	941.185
45.0	876.371	878.274	879.886	881.190	882.019
47.5	817.649	819.430	820.965	822.162	822.837
50.0	758.989	760.678	762.136	762.504	763.670
52.5	701.818	703.368	704.857	705.870	706.146
55.0	645.030	646.335	647.670	648.637	648.607
57.5	588.320	589.425	590.530	591.420	591.067
60.0	531.685	532.622	531.256	533.681	533.543
62.5	476.586	477.507	478.198	478.904	478.366
65.0	421.840	422.607	423.083	423.605	423.206
67.5	367.170	367.738	367.999	368.306	368.030
70.0	312.577	312.915	311.396	312.608	312.854
72.5	262.589	262.835	262.881	262.957	262.911
75.0	213.245	213.092	212.969	212.923	212.969
77.5	163.963	163.379	163.073	162.919	163.026
80.0	114.711	111.994	112.424	112.716	113.084
82.5	87.499	86.732	86.379	86.056	86.072
85.0	61.699	60.609	59.949	59.289	59.059
87.5	35.884	34.487	33.505	32.522	32.031
90.0	10.068	8.365	7.060	5.756	5.019
92.5	39.843	38.462	37.158	35.945	34.717
95.0	69.619	68.560	67.255	66.119	64.431

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

CANDELA TABULATION - (Cont.)

97.5	99.378	98.642	97.352	96.309	94.129
100.0	130.136	129.261	127.695	126.544	123.828
102.5	176.517	175.765	174.461	173.663	170.777
105.0	222.914	222.285	221.257	220.766	217.727
107.5	269.327	268.836	268.068	267.746	264.661
110.0	316.246	315.678	315.018	314.818	311.610
112.5	367.093	366.879	366.311	366.034	362.535
115.0	418.033	418.080	417.604	417.220	413.460
117.5	469.081	469.296	468.897	468.390	464.384
120.0	520.527	520.727	520.282	519.561	515.309
122.5	573.724	574.123	574.046	573.309	569.426
125.0	627.027	627.641	627.825	627.058	623.543
127.5	680.454	681.282	681.635	680.822	677.660
130.0	734.018	735.046	735.445	734.586	731.777
132.5	787.613	788.903	789.363	788.504	785.772
135.0	841.270	842.897	843.342	842.406	839.751
137.5	895.095	897.045	897.382	896.308	893.745
140.0	948.629	950.747	951.361	950.164	947.724
142.5	1000.137	1001.887	1002.424	1000.966	998.863
145.0	1051.845	1053.026	1053.487	1051.783	1050.003
147.5	1103.798	1104.151	1104.550	1102.616	1101.142
150.0	1154.385	1154.492	1155.290	1153.387	1152.282
152.5	1195.993	1196.377	1196.868	1195.149	1194.182
155.0	1237.801	1238.446	1238.461	1236.926	1236.082
157.5	1279.870	1280.729	1280.054	1278.703	1277.982
160.0	1320.573	1322.276	1321.248	1320.373	1319.882
162.5	1348.828	1349.350	1348.291	1347.570	1347.186
165.0	1377.099	1376.225	1375.350	1374.766	1374.490
167.5	1404.081	1403.130	1402.439	1401.994	1401.794
170.0	1429.728	1429.482	1429.283	1429.160	1429.098
172.5	1438.660	1438.491	1438.384	1438.323	1438.323
175.0	1447.669	1447.593	1447.531	1447.516	1447.547
177.5	1456.786	1456.740	1456.740	1456.740	1456.755
180.0	1465.734	1465.734	1465.734	1465.734	1465.734

IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	555.89	N.A.	7.50
0-30	1156.62	N.A.	15.60
0-40	1847.72	N.A.	25.00
0-60	3116.01	N.A.	42.10
0-80	3782.72	N.A.	51.20
0-90	3865.27	N.A.	52.30
10-90	3719.54	N.A.	50.30
20-40	1291.82	N.A.	17.50
20-50	1973.14	N.A.	26.70
40-70	1694.35	N.A.	22.90
60-80	666.71	N.A.	9.00
70-80	240.66	N.A.	3.30
80-90	82.55	N.A.	1.10
90-110	291.76	N.A.	3.90
90-120	678.60	N.A.	9.20
90-130	1208.18	N.A.	16.30
90-150	2454.13	N.A.	33.20
90-180	3529.14	N.A.	47.70
110-180	3237.38	N.A.	43.80
0-180	7394.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	145.72
10-20	410.17
20-30	600.73
30-40	691.09
40-50	681.32
50-60	586.97
60-70	426.05
70-80	240.66
80-90	82.55
90-100	74.99
100-110	216.77
110-120	386.84
120-130	529.58
130-140	615.91
140-150	630.04
150-160	554.33
160-170	383.42
170-180	137.27

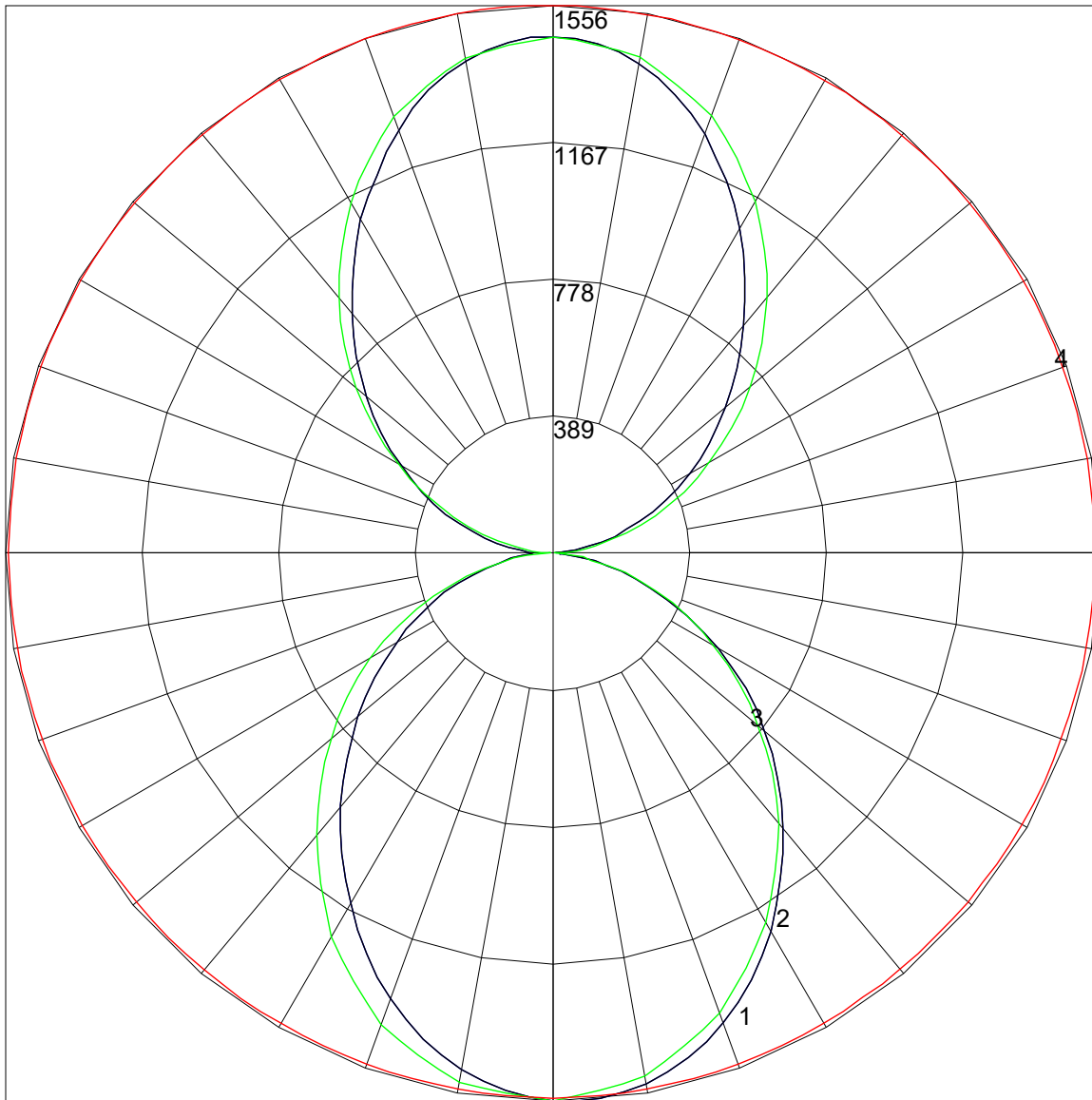
IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48M40.IES

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	69	62	61	59	51	50	49	44
2	90	82	76	71	83	76	71	66	65	61	58	55	52	49	45	43	41	37
3	82	72	65	59	75	67	61	55	57	53	49	49	45	42	40	38	35	31
4	75	64	56	50	69	60	53	47	51	46	41	43	39	36	36	33	31	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	63	51	43	37	58	48	41	35	41	36	31	35	31	27	30	26	24	21
7	59	46	38	33	54	43	36	31	37	32	28	32	28	24	27	24	21	18
8	54	42	34	29	50	39	32	27	34	29	25	29	25	22	25	21	19	16
9	51	38	31	26	47	36	29	25	31	26	22	27	23	19	23	19	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	14

POLAR GRAPH



Maximum Candela = 1555.535 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)