



**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]1410211019-002-001  
 [TESTLAB]Intertek  
 [ISSUE DATE]10/27/2014  
 [MANUFAC]LAMAR LIGHTING CO., INC.  
 [LUMCAT]MCNL48LFA40  
 [MORE]LOW POWER SETTING (OUTPUT 620MA)  
 [LUMINAIRE]SURFACE MOUNT  
 [LAMP]LED  
 [LAMP CAT]NA. LUMINAIRE OUTPUT = 2609 LMS  
 [OTHER]120.03 VAC, 204.54 mA, 24.349 W, 0.9918 PF

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2609
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	24.3
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.04
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.54 ft
Luminous Height	0.06 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6154	4329	2076
55	7398	4699	1654
65	9381	5221	1230
75	13595	6295	860
85	31932	10283	331

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>
<b>0.0</b>	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
<b>2.5</b>	621.455	621.279	621.104	620.929	620.755	620.583	620.413	619.182	618.694	618.168
<b>5.0</b>	643.665	643.334	643.003	642.675	642.348	640.860	640.030	639.113	638.112	637.028
<b>7.5</b>	667.033	666.547	666.062	665.580	663.863	662.695	661.381	659.926	658.332	656.604
<b>10.0</b>	688.821	688.223	687.627	686.111	684.804	683.297	681.594	679.700	677.618	675.354
<b>12.5</b>	711.031	710.292	709.556	707.579	705.888	703.897	701.725	699.266	696.568	693.638
<b>15.0</b>	732.189	731.312	730.439	728.045	726.004	723.643	720.972	718.000	714.741	711.206
<b>17.5</b>	751.451	750.485	748.741	746.806	744.490	741.800	738.746	735.340	731.597	727.533
<b>20.0</b>	771.556	770.412	768.271	765.896	763.053	759.759	756.036	751.908	747.388	742.538
<b>22.5</b>	790.503	789.135	786.596	783.830	780.517	776.703	772.421	767.705	762.589	756.868
<b>25.0</b>	805.976	804.419	801.688	798.692	795.160	791.125	786.623	781.692	775.987	769.682
<b>27.5</b>	820.291	818.375	815.141	811.654	807.630	803.131	798.214	793.125	787.435	781.119
<b>30.0</b>	831.975	830.085	826.739	823.016	818.571	813.442	808.992	803.832	797.914	791.236
<b>32.5</b>	843.869	841.474	837.357	833.003	828.206	824.660	819.837	814.030	807.974	799.784
<b>35.0</b>	853.553	850.177	845.921	841.144	838.626	834.854	829.520	823.271	815.684	807.165
<b>37.5</b>	861.658	857.408	852.274	850.667	848.391	843.929	837.784	829.667	821.774	811.230
<b>40.0</b>	868.079	862.091	860.255	858.925	854.321	848.529	841.170	833.247	823.935	813.439
<b>42.5</b>	870.605	866.589	865.792	860.774	855.403	849.558	842.967	835.209	825.585	814.758
<b>45.0</b>	869.658	868.724	866.596	863.314	858.467	852.256	844.983	836.488	826.061	814.428
<b>47.5</b>	870.605	867.232	864.833	859.320	855.212	849.426	842.246	833.755	823.373	811.210
<b>50.0</b>	868.079	860.956	860.758	857.514	850.990	843.652	836.085	827.062	816.531	804.215
<b>52.5</b>	861.658	856.123	852.340	850.771	846.048	838.175	828.993	819.541	807.051	794.208
<b>55.0</b>	853.553	848.731	842.717	840.571	837.101	829.487	820.364	809.325	796.548	781.939
<b>57.5</b>	843.869	839.400	833.700	829.223	824.699	818.104	809.406	798.104	785.178	769.986
<b>60.0</b>	831.975	828.058	822.801	816.771	811.734	805.068	796.423	785.258	771.673	756.456
<b>62.5</b>	820.291	815.963	810.434	803.838	798.080	791.018	781.586	770.528	756.559	741.707
<b>65.0</b>	805.976	801.997	796.766	790.332	783.343	775.524	765.297	753.517	739.673	723.652
<b>67.5</b>	790.503	787.207	781.126	774.453	766.645	757.931	747.331	734.940	720.858	704.661
<b>70.0</b>	771.556	768.416	762.530	756.025	748.277	739.055	728.141	715.433	701.121	684.779
<b>72.5</b>	751.451	748.388	742.805	736.563	729.043	719.784	708.468	695.319	680.660	664.264
<b>75.0</b>	732.189	728.917	723.099	716.656	708.976	699.803	688.722	674.553	659.618	642.976
<b>77.5</b>	711.031	707.699	701.853	695.390	687.699	678.818	666.894	653.017	637.601	620.751
<b>80.0</b>	688.821	685.431	679.657	673.232	665.546	656.595	644.914	630.857	615.511	598.939
<b>82.5</b>	667.033	663.341	657.272	650.602	642.746	633.724	622.718	608.755	593.645	577.391
<b>85.0</b>	643.665	639.880	633.913	627.358	619.658	610.808	600.722	586.964	572.119	556.038
<b>87.5</b>	621.455	617.428	611.370	604.785	597.166	588.517	578.852	565.950	550.952	534.955
<b>90.0</b>	599.561	595.412	589.309	582.698	575.087	566.476	556.875	545.679	530.009	514.110
<b>92.5</b>	577.562	573.285	567.145	560.537	553.002	544.548	535.194	524.272	509.584	493.826
<b>95.0</b>	555.457	551.155	545.073	538.563	531.194	522.985	513.961	504.150	489.845	474.120
<b>97.5</b>	533.247	529.025	523.115	516.805	509.688	501.786	493.124	483.730	470.723	454.970
<b>100.0</b>	511.248	507.144	501.412	495.306	488.439	480.841	472.541	463.571	451.912	435.637
<b>102.5</b>	489.038	485.127	479.612	473.696	466.980	459.471	451.179	442.117	432.120	416.007
<b>105.0</b>	466.723	462.811	457.361	451.534	444.951	437.623	429.563	420.787	411.303	396.733
<b>107.5</b>	444.408	440.548	435.173	429.434	422.963	415.774	407.887	399.319	390.993	377.330
<b>110.0</b>	421.461	417.847	412.449	406.820	400.460	393.386	385.614	377.165	368.141	357.573
<b>112.5</b>	397.567	393.954	388.890	383.473	377.348	370.528	363.025	354.853	346.030	336.691
<b>115.0</b>	373.989	370.471	365.583	360.363	354.474	347.926	340.731	332.903	324.455	315.531
<b>117.5</b>	350.937	347.512	342.774	337.727	332.053	325.767	318.886	311.428	303.410	294.935
<b>120.0</b>	327.885	324.625	320.110	315.306	309.911	303.943	297.421	290.365	282.795	274.762
<b>122.5</b>	304.938	301.887	297.636	293.107	288.015	282.376	276.210	269.534	262.371	254.759
<b>125.0</b>	282.097	279.267	275.295	271.060	266.287	260.992	255.193	248.906	242.152	235.430
<b>127.5</b>	259.571	256.951	253.230	249.256	244.767	239.778	234.308	228.374	221.994	215.188
<b>130.0</b>	236.940	234.548	231.111	227.436	223.277	218.649	213.572	208.064	202.143	195.829
<b>132.5</b>	214.520	212.379	209.243	205.883	202.064	197.805	193.123	188.039	182.571	176.738

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**CANDELA TABULATION - (Cont.)**

135.0	192.205	190.336	187.536	184.519	181.064	177.185	172.895	168.208	163.138	157.701
137.5	170.521	168.860	166.324	163.646	160.427	156.867	152.999	148.580	143.878	138.850
140.0	149.259	147.780	146.303	143.054	140.216	137.005	133.428	129.493	125.208	120.583
142.5	129.259	127.909	126.560	123.637	121.081	118.195	114.987	111.464	107.634	103.506
145.0	110.523	109.311	108.099	105.498	103.228	100.675	97.847	94.753	91.404	87.809
147.5	92.945	91.909	90.874	88.669	86.745	84.585	82.195	79.586	76.764	73.740
150.0	77.261	76.396	75.589	73.697	72.093	70.292	68.300	66.122	63.764	61.235
152.5	63.472	62.747	62.023	60.515	59.193	57.709	56.068	54.275	52.334	50.250
155.0	51.577	50.967	50.357	49.118	48.029	46.812	45.470	44.007	42.429	40.740
157.5	41.262	40.763	40.264	39.266	38.389	37.412	36.339	35.174	33.922	32.585
160.0	32.315	31.931	31.547	30.773	30.094	29.338	28.507	27.605	26.635	25.601
162.5	24.631	24.350	24.069	23.514	23.001	22.442	21.845	21.156	20.431	19.663
165.0	18.421	18.204	17.988	17.559	17.180	16.759	16.297	15.794	15.253	14.674
167.5	13.158	13.005	12.852	12.699	12.302	11.995	11.673	11.324	10.964	10.547
170.0	8.947	8.845	8.744	8.642	8.365	8.167	7.950	7.713	7.459	7.187
172.5	5.474	5.412	5.351	5.290	5.121	5.002	4.870	4.727	4.574	4.410
175.0	2.737	2.709	2.681	2.653	2.626	2.510	2.446	2.375	2.300	2.220
177.5	0.632	0.628	0.624	0.620	0.616	0.611	0.607	0.577	0.565	0.552
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
2.5	617.604	617.005	616.371	615.704	615.004	614.274	613.515	612.693	611.916	611.079
5.0	635.864	634.622	633.306	631.918	630.461	628.938	627.354	625.710	624.013	622.264
7.5	654.745	652.761	650.657	648.438	646.110	643.678	641.149	638.529	635.825	633.118
10.0	672.913	670.303	667.530	664.603	661.528	658.316	654.855	651.256	647.546	643.735
12.5	690.487	687.125	683.563	679.814	675.844	671.693	667.377	662.909	658.303	653.574
15.0	707.410	703.367	699.008	694.335	689.452	684.375	679.124	673.682	667.977	662.128
17.5	723.165	718.312	713.114	707.667	701.992	696.341	689.772	683.275	676.626	669.714
20.0	737.323	731.769	725.908	719.769	713.098	705.842	698.341	691.239	682.399	674.047
22.5	750.742	744.230	737.300	729.855	722.033	713.897	705.206	696.185	686.979	677.327
25.0	762.971	756.199	747.687	739.184	730.272	720.783	711.007	700.767	690.165	680.118
27.5	774.124	765.808	757.066	747.582	737.361	727.724	715.537	704.057	692.077	679.843
30.0	783.200	774.617	764.853	754.433	743.225	731.245	718.798	705.769	692.482	678.859
32.5	791.406	781.571	771.117	759.340	747.176	733.817	720.194	705.681	691.057	675.879
35.0	797.037	786.410	774.401	761.848	748.424	734.209	719.289	703.590	687.681	670.959
37.5	800.558	788.655	775.757	762.304	747.606	732.404	716.266	699.338	683.008	663.917
40.0	802.166	788.736	774.842	760.218	744.506	728.213	710.915	692.770	674.123	654.593
42.5	802.580	788.662	773.934	758.398	741.509	723.859	705.433	685.534	664.954	643.654
45.0	801.605	787.112	771.553	755.100	737.403	718.568	698.944	678.259	656.332	633.911
47.5	797.756	783.089	766.577	749.060	730.621	710.818	689.939	668.236	645.420	621.885
50.0	790.221	775.097	759.172	740.405	720.844	700.370	678.568	655.560	631.923	607.740
52.5	780.180	764.399	747.266	728.854	708.842	687.186	664.309	640.688	616.082	591.140
55.0	767.212	751.321	734.071	714.830	694.271	672.395	648.593	623.820	598.220	572.486
57.5	753.403	736.206	718.182	698.793	677.762	654.869	630.892	605.922	579.848	553.246
60.0	739.628	720.700	700.516	680.511	658.717	635.687	611.389	586.124	560.172	533.621
62.5	723.559	704.465	683.501	660.407	637.979	614.602	590.286	565.177	539.323	512.988
65.0	705.850	686.499	664.951	641.741	616.584	592.162	568.079	543.128	517.591	491.571
67.5	686.794	667.011	645.429	622.057	596.896	570.510	544.881	520.324	495.152	469.512
70.0	666.852	646.858	625.197	601.535	576.689	550.598	523.308	496.907	472.129	446.982
72.5	646.330	625.998	603.975	580.828	557.506	530.671	503.675	475.502	448.667	424.141
75.0	624.498	604.512	583.104	560.329	536.238	510.718	484.897	456.240	427.717	401.331
77.5	602.753	584.262	562.672	540.128	516.056	490.818	464.515	437.344	409.444	381.434
80.0	581.345	562.806	542.412	519.810	496.154	471.604	445.431	418.821	391.789	364.342

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**CANDELA TABULATION - (Cont.)**

<b>82.5</b>	560.017	541.414	521.749	500.104	476.605	451.996	426.998	400.729	374.548	347.231
<b>85.0</b>	538.806	520.514	501.129	480.451	457.156	433.127	408.286	382.791	356.672	329.947
<b>87.5</b>	517.882	499.686	480.481	460.120	438.082	414.340	389.861	364.730	338.938	312.554
<b>90.0</b>	497.118	479.183	460.146	440.015	418.758	395.492	371.374	346.547	321.075	295.357
<b>92.5</b>	476.993	459.307	440.191	420.162	399.048	376.576	352.743	328.414	303.622	278.388
<b>95.0</b>	457.324	439.525	420.655	400.628	379.455	357.411	334.421	310.613	286.303	261.660
<b>97.5</b>	438.181	420.153	401.008	381.657	360.251	338.701	316.263	292.858	269.343	246.218
<b>100.0</b>	418.444	400.407	381.613	361.958	341.444	320.103	298.155	275.594	252.888	229.995
<b>102.5</b>	399.047	381.235	362.567	343.071	322.828	301.941	280.619	259.154	237.329	215.578
<b>105.0</b>	379.844	362.144	343.593	324.354	304.577	284.472	263.931	243.495	223.075	202.045
<b>107.5</b>	360.454	342.879	324.760	306.112	286.984	267.757	248.347	228.635	208.961	189.214
<b>110.0</b>	341.041	324.180	306.392	288.490	270.143	251.790	233.156	214.446	195.666	177.316
<b>112.5</b>	321.965	305.485	288.636	271.550	254.085	236.478	218.685	200.764	183.023	165.255
<b>115.0</b>	303.430	287.675	271.535	255.201	238.521	221.659	204.769	187.697	171.024	154.328
<b>117.5</b>	285.435	270.373	254.918	239.297	223.410	207.334	191.381	175.335	159.483	143.760
<b>120.0</b>	266.309	253.372	238.629	223.736	208.686	193.471	178.342	163.195	148.195	133.470
<b>122.5</b>	246.759	236.534	222.556	208.408	194.153	179.777	165.505	151.323	137.174	123.318
<b>125.0</b>	227.357	219.370	206.495	193.144	179.800	166.356	152.918	139.604	126.297	113.266
<b>127.5</b>	208.096	200.654	190.664	178.579	165.666	153.081	140.736	127.936	115.496	103.270
<b>130.0</b>	189.218	182.301	175.101	163.342	151.570	139.752	127.910	116.218	104.660	93.755
<b>132.5</b>	170.575	164.084	157.265	148.254	137.421	126.269	115.280	104.495	93.871	83.432
<b>135.0</b>	151.930	145.856	139.457	132.748	122.784	112.738	102.709	93.060	83.361	74.092
<b>137.5</b>	133.986	127.868	121.971	115.762	108.381	99.468	90.591	81.960	73.429	65.424
<b>140.0</b>	115.627	110.612	105.341	99.800	93.999	86.921	79.260	71.648	64.283	57.487
<b>142.5</b>	99.089	94.611	90.016	85.210	80.201	75.145	68.875	62.600	56.060	50.171
<b>145.0</b>	83.976	80.058	76.177	72.124	67.908	63.538	59.390	53.914	48.640	43.310
<b>147.5</b>	70.520	67.303	63.870	60.453	56.892	53.207	49.549	46.018	41.497	37.028
<b>150.0</b>	58.540	55.685	52.900	50.066	47.109	44.037	40.854	37.962	35.014	31.501
<b>152.5</b>	48.029	45.676	43.291	40.986	38.586	36.147	33.527	31.031	28.714	26.354
<b>155.0</b>	38.941	37.041	35.041	33.185	31.289	29.331	27.316	25.249	23.355	21.497
<b>157.5</b>	31.168	29.676	28.111	26.557	25.070	23.547	21.962	20.348	18.730	17.211
<b>160.0</b>	24.505	23.351	22.143	20.882	19.699	18.507	17.275	16.003	14.694	13.506
<b>162.5</b>	18.827	17.952	17.031	16.066	15.088	14.169	13.247	12.300	11.330	10.338
<b>165.0</b>	14.061	13.414	12.735	12.026	11.287	10.588	9.879	9.206	8.516	7.812
<b>167.5</b>	10.121	9.672	9.202	8.710	8.199	7.669	7.122	6.633	6.142	5.640
<b>170.0</b>	6.898	6.593	6.273	5.938	5.590	5.242	4.854	4.467	4.140	3.774
<b>172.5</b>	4.237	4.055	3.863	3.664	3.457	3.242	3.021	2.793	2.559	2.320
<b>175.0</b>	2.133	2.043	1.949	1.850	1.748	1.642	1.533	1.421	1.306	1.189
<b>177.5</b>	0.538	0.524	0.509	0.493	0.477	0.460	0.442	0.424	0.405	0.386
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u><b>50.0</b></u>	<u><b>52.5</b></u>	<u><b>55.0</b></u>	<u><b>57.5</b></u>	<u><b>60.0</b></u>	<u><b>62.5</b></u>	<u><b>65.0</b></u>	<u><b>67.5</b></u>	<u><b>70.0</b></u>	<u><b>72.5</b></u>
<b>0.0</b>	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
<b>2.5</b>	610.219	609.339	608.440	607.524	606.592	605.647	604.691	603.725	602.752	601.773
<b>5.0</b>	620.468	618.629	616.752	614.839	612.931	611.002	609.052	607.086	605.107	603.120
<b>7.5</b>	630.347	627.513	624.622	621.680	618.696	615.645	612.624	610.264	606.558	603.540
<b>10.0</b>	639.832	635.845	631.794	627.758	623.686	619.571	615.423	611.251	607.066	602.974
<b>12.5</b>	648.587	643.494	638.320	633.079	627.784	622.525	617.152	611.948	606.644	602.091
<b>15.0</b>	656.154	650.071	643.772	637.379	630.934	624.454	618.006	611.562	605.124	598.707
<b>17.5</b>	662.256	654.692	647.048	639.278	631.441	623.603	615.797	608.094	600.444	592.870
<b>20.0</b>	665.575	656.678	647.673	638.624	629.525	620.442	611.403	602.515	593.720	585.107
<b>22.5</b>	667.513	657.565	647.143	636.602	626.293	615.962	605.706	595.647	585.724	575.964
<b>25.0</b>	668.201	656.947	645.280	633.413	621.642	610.078	598.625	587.436	576.415	565.579
<b>27.5</b>	667.455	654.820	641.911	628.612	615.482	602.714	590.939	577.841	565.765	553.828

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

30.0	665.095	651.043	636.868	622.084	607.737	593.813	580.147	566.837	553.700	540.674
32.5	660.638	645.088	629.386	613.334	597.687	582.494	567.716	553.346	539.162	525.285
35.0	654.217	637.174	619.971	602.642	585.790	569.336	553.402	537.835	522.511	507.722
37.5	645.653	627.190	608.535	590.028	571.989	554.399	537.321	520.589	504.269	488.687
40.0	634.791	616.036	595.025	575.420	556.231	537.579	519.418	501.667	484.308	468.110
42.5	621.538	600.386	579.416	558.712	538.500	518.847	499.571	481.105	463.257	446.201
45.0	610.988	587.853	564.813	541.878	519.239	498.200	478.223	458.964	440.484	423.014
47.5	598.134	574.250	550.376	526.768	503.467	480.523	457.959	435.774	416.554	398.852
50.0	583.100	558.526	535.149	509.911	486.119	462.697	439.763	417.585	396.088	375.614
52.5	566.028	540.881	515.993	491.439	467.290	443.665	420.585	398.328	377.035	356.391
55.0	546.878	521.436	496.237	471.518	447.266	423.498	400.622	378.519	357.028	336.469
57.5	526.200	500.303	475.104	450.341	426.086	402.668	379.893	358.371	336.577	315.845
60.0	506.676	479.568	452.650	428.138	404.259	380.966	358.393	336.628	315.339	294.571
62.5	486.316	459.456	432.780	406.315	381.538	358.627	336.399	314.731	293.592	273.067
65.0	465.233	438.871	412.607	386.532	360.861	335.726	313.734	292.370	271.600	251.261
67.5	443.665	417.785	392.090	366.717	341.437	317.494	291.476	269.820	249.343	229.381
70.0	421.680	396.510	371.596	346.694	321.855	297.220	272.809	248.725	227.120	207.603
72.5	399.636	375.349	350.982	326.607	302.261	278.004	253.960	230.424	207.291	185.846
75.0	377.848	354.167	330.373	306.450	282.487	258.613	235.162	212.060	189.330	167.268
77.5	356.132	333.273	309.648	286.106	262.533	239.272	216.320	193.683	171.666	150.415
80.0	336.455	311.728	288.722	265.577	242.611	219.931	197.507	175.626	154.449	133.886
82.5	319.649	291.616	267.603	245.040	222.763	200.673	179.019	158.029	137.601	117.910
85.0	302.714	275.392	247.167	224.686	203.055	181.718	161.035	140.857	121.341	103.476
87.5	285.831	259.342	231.616	204.551	183.603	163.348	143.548	124.281	106.589	89.868
90.0	269.164	242.768	216.384	189.938	164.858	145.568	126.728	109.220	92.667	76.977
92.5	252.746	227.206	201.580	176.169	151.313	128.547	111.276	94.995	79.491	64.837
95.0	236.869	212.184	187.407	163.351	139.531	116.314	96.755	81.596	67.320	54.001
97.5	221.676	197.896	174.439	151.424	128.951	106.995	86.087	69.378	56.618	44.380
100.0	207.313	184.574	162.378	140.376	119.026	98.635	78.974	60.830	47.133	36.101
102.5	193.839	172.311	151.128	130.283	110.377	91.160	73.041	56.092	40.133	29.475
105.0	181.230	160.816	140.638	121.203	102.535	84.516	67.800	51.966	37.571	24.870
107.5	169.352	150.084	131.010	112.984	95.370	78.745	63.386	48.509	35.638	23.970
110.0	158.327	140.098	122.396	105.333	88.808	73.483	58.917	45.776	33.877	23.219
112.5	147.986	130.757	114.203	98.096	82.903	68.793	55.144	43.131	32.146	22.743
115.0	138.043	121.865	106.338	91.250	77.137	63.696	51.586	40.452	30.554	22.142
117.5	128.338	113.271	98.596	84.558	71.384	59.090	47.927	37.640	28.957	21.300
120.0	118.881	104.680	90.714	77.849	65.587	54.412	44.104	35.027	27.092	20.241
122.5	109.541	96.250	83.249	71.010	59.746	49.574	40.194	32.149	24.927	19.080
125.0	100.437	87.962	75.941	64.400	53.860	44.556	36.323	29.070	22.864	17.713
127.5	91.467	79.704	68.740	58.075	48.389	39.460	32.414	25.945	20.790	16.180
130.0	82.363	71.695	61.720	52.223	43.468	35.501	28.573	23.234	18.559	14.560
132.5	73.564	64.071	55.025	46.836	39.082	32.212	25.790	20.351	16.146	12.817
135.0	65.189	56.987	49.002	41.903	35.210	29.097	23.529	18.498	14.140	10.935
137.5	57.562	50.492	43.718	37.343	31.690	26.019	21.311	16.865	13.078	9.623
140.0	50.823	44.514	38.686	33.039	28.043	23.363	19.113	15.364	11.900	8.966
142.5	44.469	38.890	33.914	29.156	24.683	20.771	17.026	13.806	10.831	8.285
145.0	38.521	33.837	29.500	25.488	21.671	18.269	15.178	12.383	9.850	7.578
147.5	33.015	29.168	25.407	22.069	18.966	15.954	13.412	11.020	8.807	6.874
150.0	28.008	24.936	21.918	18.961	16.457	14.033	11.833	9.684	7.743	6.066
152.5	23.787	21.158	18.741	16.372	14.096	12.060	10.086	8.243	6.796	5.423
155.0	19.612	17.704	15.748	13.778	11.847	10.046	8.557	7.125	5.869	4.752
157.5	15.686	14.130	12.544	11.173	9.805	8.383	7.041	5.978	4.935	3.947
160.0	12.240	11.080	9.905	8.716	7.676	6.704	5.727	4.745	3.912	3.134
162.5	9.375	8.498	7.649	6.790	5.924	5.097	4.368	3.637	2.904	2.216
165.0	7.093	6.362	5.714	5.074	4.439	3.798	3.153	2.613	2.157	1.704
167.5	5.127	4.606	4.075	3.538	3.120	2.717	2.315	1.912	1.510	1.152

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

<b>170.0</b>	3.454	3.129	2.802	2.471	2.137	1.801	1.506	1.293	1.084	0.877
<b>172.5</b>	2.075	1.874	1.698	1.521	1.343	1.166	0.989	0.813	0.637	0.461
<b>175.0</b>	1.070	0.948	0.824	0.699	0.572	0.463	0.419	0.380	0.342	0.304
<b>177.5</b>	0.366	0.346	0.325	0.304	0.283	0.261	0.239	0.217	0.195	0.173
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u><b>75.0</b></u>	<u><b>77.5</b></u>	<u><b>80.0</b></u>	<u><b>82.5</b></u>	<u><b>85.0</b></u>	<u><b>87.5</b></u>	<u><b>90.0</b></u>	<u><b>92.5</b></u>	<u><b>95.0</b></u>	<u><b>97.5</b></u>
<b>0.0</b>	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
<b>2.5</b>	600.791	599.807	598.823	597.841	596.863	595.892	595.412	593.966	593.018	592.084
<b>5.0</b>	601.129	599.138	597.151	595.172	593.205	591.255	589.309	587.388	585.494	583.631
<b>7.5</b>	600.521	597.507	594.504	591.520	588.558	585.616	582.698	579.821	576.990	574.210
<b>10.0</b>	598.913	594.868	590.847	586.856	582.934	578.968	575.087	571.266	567.514	563.836
<b>12.5</b>	596.265	591.188	586.150	581.161	576.209	571.304	566.363	561.732	557.080	552.588
<b>15.0</b>	592.537	586.438	580.397	574.584	568.480	562.627	556.875	551.647	545.832	540.481
<b>17.5</b>	585.593	578.452	571.268	564.541	557.781	551.185	545.679	538.689	532.799	527.124
<b>20.0</b>	576.644	568.401	560.847	552.420	544.707	537.642	530.009	523.054	516.346	510.074
<b>22.5</b>	566.449	557.117	548.019	539.155	530.517	522.178	514.110	507.305	499.045	492.051
<b>25.0</b>	554.957	544.575	534.534	524.742	515.223	506.000	497.118	488.736	480.692	473.052
<b>27.5</b>	542.131	530.826	519.859	509.159	498.745	489.736	479.183	470.047	461.343	453.069
<b>30.0</b>	528.004	515.847	503.987	492.351	481.085	470.211	460.146	450.321	440.947	432.077
<b>32.5</b>	512.050	499.312	486.648	474.325	462.428	451.003	440.015	429.502	419.530	410.101
<b>35.0</b>	493.582	479.882	466.599	453.938	441.830	430.147	418.758	407.636	397.081	386.996
<b>37.5</b>	473.649	459.160	445.292	432.116	419.432	407.217	395.492	384.249	373.442	362.934
<b>40.0</b>	452.389	437.272	423.039	409.343	396.190	383.535	371.374	359.676	348.453	338.055
<b>42.5</b>	429.859	414.532	399.813	385.747	372.179	359.119	346.547	334.461	323.238	312.550
<b>45.0</b>	406.506	391.232	375.812	361.361	347.427	334.004	321.075	309.019	297.526	286.665
<b>47.5</b>	382.143	366.293	351.000	336.229	321.983	308.242	295.357	283.082	271.496	260.656
<b>50.0</b>	357.083	340.998	325.439	310.406	295.892	282.199	269.164	256.884	245.408	234.567
<b>52.5</b>	336.415	316.857	299.180	283.943	269.475	255.703	242.768	230.672	219.966	209.017
<b>55.0</b>	316.287	296.486	277.087	258.178	242.619	229.077	216.384	204.389	193.587	183.715
<b>57.5</b>	295.505	275.664	256.283	237.330	219.151	202.470	189.938	178.589	168.259	158.826
<b>60.0</b>	274.372	254.589	235.217	216.634	198.664	181.255	164.858	153.180	143.597	135.017
<b>62.5</b>	252.962	233.267	214.347	195.993	179.224	161.452	145.568	131.354	119.538	111.876
<b>65.0</b>	231.384	212.167	193.498	175.520	158.290	142.130	126.728	112.872	99.937	90.117
<b>67.5</b>	209.963	191.058	172.742	155.455	138.943	124.144	109.220	96.160	83.905	73.155
<b>70.0</b>	188.549	170.121	152.644	135.907	120.491	105.821	92.667	80.329	69.193	59.313
<b>72.5</b>	167.392	149.807	132.918	116.804	102.582	89.371	76.913	65.490	55.293	46.207
<b>75.0</b>	146.828	129.871	113.663	99.412	86.189	73.782	61.988	51.479	42.138	34.365
<b>77.5</b>	129.824	110.454	96.218	83.037	70.679	58.622	47.820	38.232	30.275	24.247
<b>80.0</b>	114.096	96.222	79.836	67.592	55.322	44.259	34.439	26.334	20.369	15.734
<b>82.5</b>	99.986	83.251	67.622	51.967	40.734	30.708	22.490	16.596	12.217	9.203
<b>85.0</b>	86.697	70.972	55.458	40.754	26.973	18.694	12.885	8.765	6.161	5.627
<b>87.5</b>	74.114	58.838	44.366	30.745	18.703	9.192	5.343	3.175	3.386	3.149
<b>90.0</b>	61.988	47.820	34.439	22.490	12.885	5.343	0.211	1.168	1.569	1.551
<b>92.5</b>	51.065	37.980	26.164	16.522	8.744	3.171	1.168	0.001	0.515	0.669
<b>95.0</b>	41.311	29.756	20.054	12.097	6.128	3.377	1.569	0.518	0.003	0.204
<b>97.5</b>	32.936	23.426	15.354	9.080	5.563	3.131	1.551	0.675	0.211	0.003
<b>100.0</b>	26.586	18.463	11.833	7.692	4.669	2.577	1.348	0.629	0.224	0.042
<b>102.5</b>	21.361	14.498	9.714	6.153	3.581	2.012	1.046	0.448	0.126	0.026
<b>105.0</b>	16.937	11.562	7.540	4.543	2.650	1.463	0.671	0.212	0.053	0.000
<b>107.5</b>	13.857	8.777	5.432	3.238	1.845	0.889	0.298	0.081	0.000	0.000
<b>110.0</b>	14.350	6.855	3.744	2.198	1.090	0.377	0.109	0.000	0.000	0.000
<b>112.5</b>	14.729	8.114	3.162	1.265	0.438	0.133	0.000	0.000	0.000	0.000
<b>115.0</b>	14.917	9.269	4.727	1.215	0.150	0.000	0.000	0.000	0.000	0.000

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

117.5	15.003	9.896	5.803	2.997	0.795	0.000	0.000	0.000	0.000	0.000
120.0	14.717	10.095	6.671	4.036	2.108	0.765	0.000	0.000	0.000	0.000
122.5	14.112	10.197	7.113	4.727	2.908	1.583	0.660	0.080	0.000	0.000
125.0	13.378	9.951	7.107	4.946	3.255	1.976	1.083	0.496	0.134	0.000
127.5	12.464	9.319	6.819	4.829	3.232	2.064	1.193	0.624	0.264	0.066
130.0	11.247	8.463	6.253	4.439	2.985	1.883	1.114	0.572	0.201	0.066
132.5	9.879	7.474	5.421	3.807	2.523	1.578	0.877	0.344	0.137	0.024
135.0	8.429	6.271	4.483	3.083	1.988	1.158	0.478	0.213	0.041	0.010
137.5	6.887	4.964	3.529	2.309	1.398	0.609	0.285	0.057	0.018	0.000
140.0	6.338	4.138	2.566	1.549	0.703	0.342	0.073	0.026	0.000	0.000
142.5	6.027	4.055	2.410	1.050	0.374	0.085	0.033	0.000	0.000	0.000
145.0	5.625	3.876	2.492	1.494	0.748	0.329	0.053	0.000	0.000	0.000
147.5	5.047	3.738	2.600	1.760	1.163	0.706	0.398	0.188	0.075	0.016
150.0	4.734	3.496	2.636	1.897	1.309	0.855	0.498	0.277	0.103	0.047
152.5	4.246	3.328	2.483	1.822	1.259	0.789	0.482	0.210	0.107	0.029
155.0	3.782	2.901	2.201	1.547	1.034	0.663	0.318	0.172	0.067	0.000
157.5	3.144	2.402	1.697	1.208	0.791	0.395	0.234	0.108	0.000	0.000
160.0	2.382	1.737	1.280	0.838	0.434	0.282	0.143	0.007	0.000	0.000
162.5	1.725	1.242	0.774	0.455	0.307	0.161	0.018	0.000	0.000	0.000
165.0	1.256	0.843	0.624	0.429	0.244	0.067	0.038	0.022	0.010	0.000
167.5	0.932	0.718	0.511	0.309	0.146	0.110	0.077	0.045	0.015	0.000
170.0	0.674	0.473	0.276	0.214	0.169	0.125	0.083	0.041	0.000	0.000
172.5	0.337	0.291	0.244	0.199	0.154	0.109	0.066	0.022	0.000	0.000
175.0	0.265	0.227	0.189	0.151	0.113	0.075	0.038	0.000	0.000	0.000
177.5	0.150	0.127	0.104	0.081	0.058	0.035	0.012	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
2.5	591.165	590.263	589.379	588.516	587.674	586.856	586.063	585.296	584.557	583.846
5.0	581.802	580.009	578.258	576.550	574.889	573.277	571.718	570.214	568.771	567.388
7.5	571.485	568.822	566.224	563.707	561.271	558.912	556.633	554.437	552.329	550.311
10.0	560.633	556.775	553.397	550.114	546.881	543.852	540.883	538.053	535.350	532.764
12.5	548.216	543.954	539.808	535.785	531.947	528.188	524.695	521.271	517.989	515.274
15.0	535.388	530.368	525.600	520.984	516.516	512.200	508.083	504.179	500.437	496.861
17.5	521.775	516.322	510.905	505.654	500.677	495.895	491.288	486.863	482.671	478.682
20.0	504.082	498.307	493.035	488.048	483.369	479.026	474.272	469.452	464.827	460.237
22.5	485.397	479.169	473.284	467.767	462.708	458.017	453.699	449.394	445.390	440.749
25.0	465.827	458.985	452.624	446.692	441.172	435.701	430.588	425.880	421.686	417.928
27.5	445.238	437.923	431.056	424.418	418.073	412.166	406.847	401.995	397.582	393.590
30.0	423.729	416.871	408.154	400.932	394.311	388.248	382.654	377.514	372.848	368.792
32.5	401.099	392.464	384.360	376.982	370.100	363.706	357.812	352.423	347.477	343.002
35.0	377.384	368.448	360.185	352.444	345.221	338.533	332.411	326.781	321.432	317.288
37.5	353.128	343.954	335.322	327.242	319.799	312.949	306.683	301.173	296.114	291.788
40.0	328.201	318.768	309.803	301.665	294.062	287.368	281.223	275.805	271.009	266.718
42.5	302.437	292.888	284.112	275.929	268.686	262.003	256.226	250.865	246.434	242.391
45.0	276.469	266.986	258.385	250.562	243.629	237.289	231.730	226.796	222.424	218.632
47.5	250.483	241.378	232.893	225.621	219.571	213.212	208.566	203.209	198.943	195.531
50.0	224.934	215.976	208.151	201.092	194.930	189.453	184.566	180.260	176.252	173.260
52.5	199.605	191.217	183.856	177.199	171.516	166.551	162.027	158.104	154.961	152.346
55.0	174.789	167.125	159.810	154.151	148.833	144.331	140.498	137.187	134.376	131.759
57.5	150.861	143.605	137.316	131.992	127.241	123.532	120.086	117.332	114.742	112.580
60.0	127.547	120.966	115.665	110.897	107.149	103.846	100.995	98.649	96.423	94.462
62.5	105.046	99.793	95.125	91.293	88.189	85.547	83.301	81.275	79.482	77.688

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

65.0	84.312	79.765	75.898	73.045	70.510	68.610	67.006	65.383	64.085	62.271
67.5	64.750	61.401	58.340	56.194	54.489	53.420	52.255	51.349	50.313	49.104
70.0	50.482	44.000	42.290	41.294	40.407	39.875	39.355	38.970	38.222	37.586
72.5	38.648	32.501	27.907	27.861	28.026	28.050	28.335	28.358	28.191	27.892
75.0	28.179	23.149	19.111	16.597	17.388	18.277	19.148	19.613	20.031	19.979
77.5	19.361	15.623	12.907	10.174	8.671	10.454	11.785	12.834	13.531	13.854
80.0	12.340	10.329	8.221	6.070	4.570	4.387	6.080	7.603	8.550	9.248
82.5	7.924	6.435	4.819	3.625	2.528	1.543	2.074	3.761	4.993	5.908
85.0	4.760	3.680	2.798	1.979	1.208	0.592	0.218	1.154	2.593	3.484
87.5	2.600	2.049	1.493	0.924	0.424	0.154	0.000	0.000	0.930	1.782
90.0	1.348	1.046	0.671	0.297	0.109	0.000	0.000	0.000	0.000	0.660
92.5	0.621	0.439	0.200	0.074	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.217	0.117	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.038	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
2.5	583.166	582.518	581.902	581.320	580.680	580.260	579.785	579.347	578.946	578.585
5.0	566.067	564.809	563.617	562.392	561.436	560.451	559.538	558.699	557.935	557.246
7.5	548.385	546.556	545.527	543.212	541.695	540.281	538.972	537.770	536.676	535.692
10.0	530.299	527.958	525.743	523.658	521.706	519.916	518.268	516.755	515.381	514.147



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

12.5	511.933	509.155	506.529	504.058	501.746	499.593	497.896	495.787	494.132	492.644
15.0	493.456	490.236	487.214	484.366	481.696	479.208	476.904	474.787	472.772	470.955
17.5	474.879	471.264	467.843	464.422	461.216	458.240	455.498	452.990	450.721	448.717
20.0	455.754	451.456	447.406	443.607	440.116	436.883	433.904	431.181	428.716	427.248
22.5	435.807	431.209	426.873	422.805	419.008	415.437	412.137	409.114	406.369	403.908
25.0	414.575	410.884	406.170	401.735	397.586	393.686	389.950	386.519	383.395	380.584
27.5	389.697	386.929	384.174	380.212	375.571	371.245	367.247	363.583	360.254	357.265
30.0	364.810	361.405	358.450	355.959	353.358	348.765	344.797	340.757	337.338	334.274
32.5	339.039	335.604	332.601	329.701	328.103	326.535	322.194	318.304	314.833	311.677
35.0	313.283	309.908	307.036	304.584	302.717	301.337	300.358	297.065	292.816	289.619
37.5	287.966	284.609	281.964	279.718	277.913	276.688	275.859	274.969	271.270	267.934
40.0	263.182	260.042	257.470	255.396	253.717	252.556	251.429	251.426	250.053	246.583
42.5	238.963	236.027	233.519	231.619	230.066	228.932	228.255	227.900	228.133	225.555
45.0	215.289	212.622	210.281	208.492	207.084	205.970	205.286	204.890	204.788	204.763
47.5	192.438	189.978	187.893	186.140	184.796	183.691	182.992	182.644	182.556	182.817
50.0	170.573	168.213	166.288	164.557	163.335	162.335	161.602	161.242	161.116	161.250
52.5	149.577	147.321	145.592	144.044	142.800	141.539	141.042	140.566	140.253	140.124
55.0	129.527	127.552	125.845	124.388	123.114	122.145	121.260	120.480	120.101	119.711
57.5	110.466	108.656	106.980	105.678	104.388	103.383	102.406	101.576	100.967	100.399
60.0	92.341	90.798	89.279	88.048	86.802	85.745	84.781	83.815	83.306	82.778
62.5	75.919	74.139	72.838	71.656	70.575	69.518	68.767	67.893	67.536	67.205
65.0	61.051	59.255	57.817	56.729	55.983	55.017	54.672	54.134	53.874	53.771
67.5	47.891	46.303	44.779	43.584	43.268	42.786	42.627	42.451	42.244	42.211
70.0	36.561	35.379	34.051	32.629	32.535	32.544	32.487	32.466	32.258	32.342
72.5	27.155	26.427	25.354	24.449	23.644	23.887	23.892	24.086	23.996	24.112
75.0	19.686	19.309	18.562	17.872	16.714	16.737	16.911	17.206	17.268	17.385
77.5	13.981	13.778	13.334	12.670	11.818	10.969	11.328	11.628	11.828	11.988
80.0	9.600	9.518	9.260	8.680	8.007	7.135	6.821	7.185	7.580	7.775
82.5	6.309	6.368	6.160	5.654	5.070	4.249	3.586	3.842	4.248	4.394
85.0	3.913	4.036	3.839	3.430	2.934	2.337	1.727	1.303	1.908	2.288
87.5	2.228	2.344	2.168	1.906	1.479	0.979	0.546	0.249	0.610	1.078
90.0	1.083	1.193	1.114	0.877	0.478	0.285	0.073	0.033	0.053	0.398
92.5	0.385	0.505	0.445	0.265	0.120	0.038	0.003	0.000	0.000	0.083
95.0	0.029	0.139	0.115	0.032	0.017	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.011	0.011	0.005	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

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

**Vert. Horizontal Angles**  
**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	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
2.5	578.262	577.979	577.737	577.535	577.373	577.253	577.174	577.136	577.139	577.184
5.0	556.634	556.100	555.645	555.268	554.970	554.753	554.615	554.556	554.578	554.679
7.5	534.819	534.058	533.410	532.877	532.458	532.153	531.894	531.891	531.933	532.090
10.0	513.053	512.102	511.296	510.633	510.116	509.746	509.521	509.443	509.512	509.728
12.5	491.313	490.173	489.193	488.386	487.754	487.296	487.014	486.909	486.981	487.230
15.0	469.349	467.956	466.776	465.810	465.058	464.522	464.199	464.090	464.195	464.512
17.5	446.856	445.420	444.129	443.077	442.266	441.695	441.365	441.275	441.425	441.815
20.0	424.506	422.775	421.309	420.110	419.141	418.517	418.126	418.006	418.156	418.578
22.5	401.654	399.644	397.933	396.521	395.413	394.608	394.109	393.917	394.032	394.455
25.0	378.460	375.937	374.109	372.607	371.435	370.594	370.083	369.905	370.060	370.546
27.5	354.619	352.376	350.507	348.982	347.803	346.972	346.491	346.359	346.577	347.144
30.0	331.567	329.244	327.331	325.767	324.556	323.700	323.203	323.069	323.298	323.893
32.5	308.937	306.524	304.542	302.918	301.652	300.748	300.212	300.048	300.260	300.852
35.0	286.768	284.272	282.165	280.435	279.072	278.083	277.475	277.252	277.420	277.985
37.5	264.947	262.319	260.078	258.248	256.796	255.729	255.053	254.777	254.905	255.444
40.0	243.470	240.642	238.743	236.379	234.791	233.596	232.803	232.422	232.459	232.922
42.5	222.275	219.359	216.818	214.744	213.061	211.767	210.873	210.391	210.332	210.706
45.0	201.530	198.523	195.767	193.652	191.829	190.387	189.344	188.712	188.506	188.740
47.5	181.401	178.156	175.458	173.033	171.014	169.402	168.208	167.446	167.129	167.268
50.0	161.653	158.320	155.305	152.691	150.522	148.771	147.451	146.576	146.157	146.205
52.5	140.274	138.641	135.461	132.988	130.492	128.725	127.401	126.492	126.121	126.183
55.0	119.610	119.466	116.264	113.483	111.402	109.758	108.531	107.732	107.373	107.463
57.5	100.113	100.170	98.292	95.681	93.744	92.232	91.137	90.395	90.049	90.117
60.0	82.411	82.538	81.983	79.603	77.808	76.508	75.524	74.873	74.576	74.650
62.5	66.906	67.066	67.300	65.458	63.795	62.628	61.749	61.177	60.928	61.018
65.0	53.561	53.676	53.852	52.939	51.410	50.414	49.680	49.222	49.056	49.195
67.5	42.037	42.060	42.205	41.979	40.909	39.844	39.277	38.897	38.828	39.013
70.0	32.240	32.198	32.361	32.470	31.484	30.906	30.489	30.246	30.196	30.359
72.5	24.107	24.049	24.275	24.447	24.023	23.511	23.163	22.951	22.895	23.014
75.0	17.499	17.505	17.745	17.926	17.839	17.327	16.999	16.811	16.775	16.906
77.5	12.223	12.291	12.412	12.466	12.440	12.050	11.847	11.738	11.739	11.865
80.0	7.967	7.968	8.054	8.133	8.086	7.880	7.760	7.707	7.732	7.854
82.5	4.731	4.861	4.891	4.951	4.837	4.646	4.553	4.506	4.504	4.609
85.0	2.608	2.769	2.735	2.637	2.391	2.082	2.095	2.106	2.129	2.185
87.5	1.304	1.347	1.199	1.056	0.825	0.512	0.588	0.643	0.640	0.609
90.0	0.498	0.482	0.318	0.234	0.143	0.018	0.038	0.075	0.083	0.066
92.5	0.102	0.094	0.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.029	0.025
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.067	0.101	0.105
135.0	0.000	0.000	0.000	0.000	0.000	0.005	0.061	0.094	0.105	0.105
137.5	0.000	0.000	0.000	0.000	0.000	0.001	0.012	0.048	0.100	0.078
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.014	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
2.5	577.269	577.395	577.562	577.395	577.269	577.184	577.139	577.136	577.174	577.253
5.0	554.860	555.119	555.457	555.119	554.860	554.679	554.578	554.556	554.615	554.753
7.5	532.361	532.747	533.247	532.747	532.361	532.090	531.933	531.891	531.964	532.153
10.0	510.089	510.596	511.248	510.596	510.089	509.728	509.512	509.443	509.521	509.746
12.5	487.656	488.259	489.038	488.259	487.656	487.230	487.060	486.909	487.014	487.296
15.0	465.040	465.778	466.723	465.778	465.040	464.512	464.195	464.090	464.199	464.522
17.5	442.443	443.308	444.408	443.308	442.443	441.870	441.425	441.275	441.444	441.695
20.0	419.270	420.231	421.461	420.231	419.270	418.578	418.156	418.006	418.126	418.517
22.5	395.185	396.223	397.567	396.223	395.185	394.455	394.032	393.917	394.109	394.608
25.0	371.364	372.512	373.989	372.512	371.364	370.546	370.060	369.905	370.083	370.594
27.5	347.942	349.326	350.937	349.326	348.061	347.144	346.577	346.359	346.491	346.972
30.0	324.856	326.186	327.885	326.186	324.983	323.893	323.298	323.069	323.203	323.700
32.5	301.828	303.189	304.938	303.189	301.828	300.852	300.260	300.048	300.212	300.748
35.0	278.950	280.320	282.097	280.320	278.950	277.985	277.420	277.252	277.475	278.083
37.5	256.399	257.773	259.571	257.773	256.399	255.444	254.905	254.777	255.053	255.729
40.0	233.820	235.157	236.940	235.157	233.820	232.922	232.459	232.422	232.803	233.596
42.5	211.522	212.791	214.520	212.791	211.522	210.782	210.332	210.391	210.979	211.767
45.0	189.427	190.578	192.205	190.578	189.427	188.740	188.506	188.712	189.344	190.387

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

47.5	167.873	168.954	170.521	168.954	167.873	167.268	167.129	167.446	168.208	169.402
50.0	146.732	147.747	149.259	147.747	146.732	146.205	146.157	146.576	147.451	148.771
52.5	126.722	127.746	129.259	127.746	126.722	126.183	126.121	126.530	127.401	128.725
55.0	108.013	109.031	110.523	109.031	108.013	107.463	107.373	107.732	108.531	109.758
57.5	90.612	91.551	92.945	91.551	90.612	90.117	90.049	90.395	91.137	92.259
60.0	75.111	75.977	77.261	75.977	75.111	74.650	74.576	74.873	75.524	76.508
62.5	61.462	62.275	63.472	62.275	61.462	61.018	60.928	61.177	61.749	62.628
65.0	49.654	50.395	51.577	50.443	49.654	49.195	49.056	49.222	49.680	50.414
67.5	39.470	40.214	41.262	40.214	39.473	39.022	38.850	38.940	39.277	39.844
70.0	30.755	31.400	32.315	31.437	30.754	30.359	30.196	30.246	30.489	30.906
72.5	23.330	23.863	24.631	23.863	23.330	23.014	22.895	22.951	23.163	23.511
75.0	17.216	17.717	18.421	17.717	17.216	16.906	16.775	16.811	16.999	17.327
77.5	12.133	12.559	13.158	12.559	12.133	11.865	11.739	11.738	11.847	12.050
80.0	8.087	8.446	8.947	8.446	8.087	7.854	7.732	7.707	7.760	7.880
82.5	4.787	5.071	5.474	5.071	4.787	4.609	4.520	4.506	4.553	4.646
85.0	2.292	2.469	2.737	2.469	2.292	2.185	2.129	2.106	2.095	2.082
87.5	0.578	0.576	0.632	0.576	0.578	0.609	0.640	0.643	0.593	0.512
90.0	0.038	0.012	0.000	0.012	0.038	0.066	0.083	0.077	0.038	0.018
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.025	0.029	0.000	0.002	0.000
132.5	0.056	0.000	0.000	0.000	0.056	0.105	0.101	0.067	0.039	0.000
135.0	0.105	0.074	0.000	0.074	0.105	0.105	0.105	0.094	0.061	0.005
137.5	0.034	0.000	0.000	0.000	0.034	0.078	0.100	0.048	0.012	0.001
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.004	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.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	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
2.5	577.373	577.535	577.737	577.979	578.262	578.585	578.946	579.347	579.785	580.260
5.0	554.970	555.279	555.645	556.100	556.634	557.246	557.935	558.699	559.538	560.451
7.5	532.458	532.877	533.410	534.058	534.819	535.692	536.676	537.770	538.972	540.281
10.0	510.116	510.633	511.296	512.102	513.053	514.147	515.381	516.871	518.267	519.916
12.5	487.851	488.386	489.193	490.173	491.323	492.644	494.132	495.787	497.896	499.593
15.0	465.058	465.810	466.776	467.956	469.349	470.955	472.772	474.787	476.904	479.208
17.5	442.266	443.117	444.129	445.420	446.950	448.717	450.721	452.990	455.498	458.240
20.0	419.179	420.110	421.309	422.775	424.506	427.248	428.716	431.181	433.904	436.883
22.5	395.413	396.521	397.933	399.644	401.654	403.908	406.369	409.148	412.137	415.437
25.0	371.435	372.611	374.109	375.937	378.460	380.584	383.395	386.519	389.950	393.686
27.5	347.803	348.982	350.506	352.376	354.619	357.265	360.254	363.724	367.247	371.245
30.0	324.556	325.767	327.331	329.244	331.567	334.274	337.338	340.757	344.803	348.765
32.5	301.652	302.918	304.542	306.524	308.937	311.708	314.833	318.331	322.194	326.539
35.0	279.072	280.435	282.165	284.272	286.768	289.619	292.816	297.065	300.374	301.337
37.5	256.796	258.248	260.078	262.319	264.947	267.934	271.270	274.969	275.859	277.056
40.0	234.791	236.379	238.743	240.722	243.470	246.583	250.053	251.426	251.806	252.556
42.5	213.061	214.784	216.818	219.359	222.275	225.554	228.133	227.900	228.255	229.278
45.0	191.829	193.652	195.875	198.523	201.530	204.883	204.788	204.890	205.286	205.970
47.5	171.014	173.033	175.458	178.259	181.401	182.817	182.740	182.644	182.992	183.761
50.0	150.522	152.691	155.305	158.320	161.731	161.250	161.116	161.242	161.602	162.335
52.5	130.492	132.988	135.461	138.641	140.274	140.124	140.253	140.566	141.042	141.831
55.0	111.402	113.483	116.264	119.466	119.610	119.711	120.101	120.604	121.260	122.145
57.5	93.744	95.681	98.292	100.170	100.113	100.399	100.967	101.576	102.406	103.383
60.0	77.808	79.603	81.983	82.538	82.411	82.778	83.306	83.815	84.781	85.745
62.5	63.795	65.458	67.300	67.066	66.906	67.205	67.536	67.893	68.767	69.518
65.0	51.410	52.939	53.852	53.676	53.561	53.771	53.874	54.134	54.672	55.017
67.5	40.909	41.979	42.205	42.060	42.037	42.211	42.244	42.451	42.627	42.786
70.0	31.484	32.470	32.361	32.274	32.240	32.342	32.258	32.466	32.487	32.544
72.5	24.023	24.447	24.275	24.049	24.107	24.112	23.996	24.086	23.967	23.887
75.0	17.839	17.926	17.745	17.505	17.499	17.385	17.268	17.206	16.911	16.737
77.5	12.440	12.466	12.412	12.291	12.223	11.988	11.828	11.628	11.328	10.969
80.0	8.086	8.133	8.054	7.968	7.967	7.775	7.580	7.185	6.821	7.135
82.5	4.837	4.951	4.912	4.861	4.731	4.394	4.248	3.842	3.586	4.249
85.0	2.391	2.637	2.735	2.769	2.608	2.288	1.908	1.303	1.727	2.337
87.5	0.825	1.056	1.199	1.354	1.304	1.078	0.610	0.249	0.546	0.979
90.0	0.143	0.234	0.318	0.482	0.498	0.398	0.053	0.033	0.073	0.285
92.5	0.000	0.000	0.034	0.094	0.102	0.083	0.000	0.000	0.003	0.038
95.0	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

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

**Vert. Horizontal Angles**

	<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	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
2.5	580.772	581.359	581.902	582.518	583.166	583.846	584.557	585.296	586.063	586.856
5.0	561.436	562.492	563.617	564.809	566.067	567.388	568.771	570.214	571.718	573.277
7.5	541.695	543.212	545.539	546.556	548.385	550.311	552.329	554.437	556.633	558.912
10.0	521.706	523.658	525.743	527.958	530.299	532.764	535.350	538.053	540.883	543.852
12.5	501.746	504.058	506.529	509.155	511.933	515.274	517.989	521.271	524.695	528.255
15.0	481.696	484.366	487.214	490.236	493.537	496.861	500.437	504.179	508.083	512.200
17.5	461.216	464.422	467.843	471.264	474.879	478.682	482.671	486.863	491.288	495.895
20.0	440.116	443.607	447.406	451.456	455.754	460.296	464.827	469.452	474.272	479.026
22.5	419.008	422.805	426.873	431.209	435.807	440.749	445.390	449.394	453.699	458.142
25.0	397.586	401.735	406.170	410.884	414.575	417.928	421.686	425.880	430.588	435.701
27.5	375.571	380.212	384.174	386.929	390.037	393.590	397.582	401.995	406.847	412.166
30.0	353.358	355.959	358.450	361.405	364.810	368.792	372.848	377.514	382.654	388.248
32.5	328.103	330.068	332.601	335.604	339.039	343.002	347.477	352.423	357.812	363.706
35.0	303.104	304.584	307.037	309.908	313.522	317.288	321.738	326.781	332.411	338.533
37.5	277.913	279.718	281.964	284.609	287.966	291.788	296.114	301.173	306.683	312.949
40.0	253.717	255.396	257.470	260.042	263.182	266.718	271.009	275.805	281.223	287.368
42.5	230.066	231.619	233.519	236.027	238.963	242.391	246.774	250.864	256.226	262.003
45.0	207.084	208.492	210.281	212.622	215.289	218.632	222.424	226.796	231.731	237.289
47.5	184.796	186.140	187.893	189.978	192.438	195.531	198.943	203.209	208.566	213.212
50.0	163.335	164.557	166.288	168.213	170.573	173.260	176.469	180.260	184.566	189.452
52.5	142.800	144.044	145.717	147.321	149.577	152.600	154.961	158.104	162.027	166.551
55.0	123.114	124.388	125.845	127.552	129.527	131.759	134.376	137.187	140.498	144.331
57.5	104.388	105.678	106.980	108.656	110.466	112.580	114.742	117.332	120.086	123.532
60.0	86.802	88.048	89.279	90.798	92.341	94.462	96.424	98.649	100.995	103.846
62.5	70.575	71.656	72.838	74.139	75.919	77.688	79.482	81.275	83.301	85.547
65.0	55.983	56.729	57.817	59.255	61.051	62.497	64.085	65.383	67.006	68.610
67.5	43.268	43.584	44.779	46.303	47.891	49.104	50.313	51.569	52.255	53.420
70.0	32.535	32.750	34.051	35.379	36.561	37.586	38.222	38.970	39.355	39.875
72.5	23.644	24.449	25.354	26.427	27.157	27.892	28.191	28.358	28.520	28.050
75.0	16.714	17.872	18.618	19.309	19.686	19.979	20.031	19.613	19.148	18.277
77.5	11.818	12.670	13.334	13.778	13.981	13.894	13.531	12.834	11.785	10.454

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	8.007	8.680	9.260	9.532	9.600	9.248	8.550	7.603	6.160	4.387
<b>82.5</b>	5.074	5.654	6.160	6.368	6.309	5.908	4.993	3.761	2.074	1.543
<b>85.0</b>	2.934	3.430	3.839	4.036	3.913	3.484	2.593	1.154	0.218	0.592
<b>87.5</b>	1.479	1.906	2.168	2.344	2.228	1.782	0.930	0.000	0.000	0.154
<b>90.0</b>	0.478	0.877	1.114	1.193	1.083	0.660	0.000	0.000	0.000	0.000
<b>92.5</b>	0.120	0.265	0.445	0.505	0.385	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.017	0.032	0.115	0.144	0.029	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.005	0.011	0.011	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>137.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>142.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>147.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>152.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>162.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
<b>0.0</b>	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
<b>2.5</b>	587.674	588.516	589.379	590.263	591.165	592.084	593.018	593.966	595.412	595.892
<b>5.0</b>	574.889	576.550	578.258	580.009	581.802	583.631	585.494	587.388	589.309	591.255
<b>7.5</b>	561.271	563.707	566.224	568.850	571.485	574.210	576.990	579.821	582.698	585.616
<b>10.0</b>	546.931	550.114	553.397	556.775	560.633	563.836	567.514	571.266	575.087	578.968
<b>12.5</b>	531.947	535.785	539.808	543.954	548.216	552.588	557.080	561.732	566.476	571.366
<b>15.0</b>	516.516	520.984	525.600	530.368	535.388	540.545	545.832	551.647	556.875	562.627
<b>17.5</b>	500.677	505.654	510.905	516.322	521.775	527.124	532.799	538.689	545.679	551.185
<b>20.0</b>	483.370	488.048	493.035	498.368	504.082	510.074	516.346	523.054	530.009	537.843
<b>22.5</b>	462.708	467.767	473.284	479.169	485.397	492.051	499.045	507.305	514.110	522.177
<b>25.0</b>	441.172	446.692	452.625	458.985	465.827	473.052	480.692	488.736	497.118	506.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCNL48LFA40.IES**

**CANDELA TABULATION - (Cont.)**

27.5	418.073	424.418	431.056	437.923	445.238	453.069	461.489	470.047	479.183	489.736
30.0	394.311	400.932	408.154	416.871	423.729	432.077	440.947	450.321	460.146	470.412
32.5	370.100	376.982	384.360	392.464	401.099	410.101	419.530	429.502	440.015	451.003
35.0	345.221	352.444	360.185	368.499	377.384	386.996	397.081	407.636	418.758	430.147
37.5	319.799	327.473	335.322	343.954	353.128	362.934	373.442	384.249	395.492	407.217
40.0	294.062	301.665	309.803	318.768	328.201	338.055	348.453	359.676	371.374	383.535
42.5	268.686	275.929	284.112	292.888	302.437	312.550	323.571	334.461	346.547	359.119
45.0	243.629	250.562	258.385	266.986	276.469	286.664	297.526	309.019	321.075	334.004
47.5	219.571	225.621	232.893	241.378	250.483	260.656	271.496	283.082	295.357	308.242
50.0	194.930	201.092	208.151	215.976	224.934	234.567	245.408	256.884	269.164	282.198
52.5	171.516	177.199	183.856	191.217	199.605	209.017	219.966	230.671	242.768	255.703
55.0	148.833	154.151	160.108	167.125	174.789	183.715	193.588	204.388	216.384	229.370
57.5	127.241	131.992	137.316	143.605	150.861	158.826	168.259	178.589	189.938	202.470
60.0	107.149	110.897	115.665	120.966	127.547	135.017	143.597	153.180	164.858	181.255
62.5	88.189	91.293	95.125	99.793	105.046	112.260	119.538	131.354	145.568	161.452
65.0	70.510	73.045	75.898	79.765	84.312	90.118	99.937	112.872	126.728	142.130
67.5	54.489	56.194	58.340	61.401	64.750	73.155	83.905	96.160	109.220	124.144
70.0	40.407	41.294	42.290	44.000	50.482	59.313	69.193	80.329	92.667	105.821
72.5	28.026	27.861	27.907	32.501	38.648	46.207	55.293	65.490	76.977	89.371
75.0	17.388	16.597	19.111	23.149	28.276	34.365	42.138	51.544	61.988	73.782
77.5	8.671	10.174	12.907	15.623	19.361	24.247	30.275	38.231	47.820	58.622
80.0	4.570	6.070	8.221	10.329	12.340	15.734	20.369	26.334	34.439	44.259
82.5	2.528	3.625	4.819	6.435	7.924	9.203	12.217	16.596	22.490	30.708
85.0	1.208	1.979	2.798	3.706	4.760	5.627	6.161	8.765	12.885	18.694
87.5	0.424	0.924	1.495	2.049	2.600	3.149	3.386	3.175	5.343	9.194
90.0	0.109	0.298	0.671	1.046	1.348	1.551	1.569	1.168	0.211	5.343
92.5	0.000	0.074	0.200	0.439	0.621	0.669	0.515	0.000	1.168	3.171
95.0	0.000	0.000	0.047	0.117	0.217	0.204	0.000	0.518	1.569	3.377
97.5	0.000	0.000	0.000	0.023	0.038	0.000	0.211	0.675	1.551	3.131
100.0	0.000	0.000	0.000	0.000	0.001	0.042	0.224	0.629	1.348	2.577
102.5	0.000	0.000	0.000	0.000	0.000	0.026	0.126	0.448	1.046	2.012
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.212	0.671	1.456
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.081	0.297	0.889
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.109	0.377
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.133
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.765
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.660	1.583
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.134	0.481	1.083	1.976
127.5	0.000	0.000	0.000	0.000	0.008	0.066	0.264	0.624	1.193	2.064
130.0	0.000	0.000	0.000	0.000	0.010	0.066	0.201	0.572	1.114	1.883
132.5	0.000	0.000	0.000	0.000	0.004	0.024	0.137	0.344	0.877	1.578
135.0	0.000	0.000	0.000	0.000	0.000	0.010	0.041	0.213	0.478	1.158
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.057	0.285	0.609
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.073	0.342
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.085
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.329
147.5	0.000	0.000	0.000	0.000	0.000	0.016	0.075	0.188	0.398	0.706
150.0	0.000	0.000	0.000	0.000	0.004	0.047	0.103	0.273	0.498	0.855
152.5	0.000	0.000	0.000	0.000	0.000	0.029	0.107	0.210	0.482	0.789
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.067	0.172	0.318	0.663
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.108	0.234	0.395
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.143	0.282
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.161
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.022	0.038	0.067



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

<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.045	0.075	0.110
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.083	0.125
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.066	0.109
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.075
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.035
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles  
Angles**

	<b>275.0</b>	<b>277.5</b>	<b>280.0</b>	<b>282.5</b>	<b>285.0</b>	<b>287.5</b>	<b>290.0</b>	<b>292.5</b>	<b>295.0</b>	<b>297.5</b>
<b>0.0</b>	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
<b>2.5</b>	596.863	597.841	598.823	599.807	600.791	601.773	602.752	603.725	604.691	605.647
<b>5.0</b>	593.205	595.172	597.151	599.138	601.129	603.120	605.107	607.086	609.052	611.002
<b>7.5</b>	588.558	591.520	594.504	597.507	600.521	603.540	606.558	610.264	612.624	615.674
<b>10.0</b>	582.934	586.856	590.846	594.868	598.913	602.974	607.066	611.251	615.423	619.571
<b>12.5</b>	576.209	581.161	586.150	591.188	596.265	602.091	606.644	612.014	617.246	622.525
<b>15.0</b>	568.480	574.584	580.397	586.438	592.537	598.707	605.124	611.562	618.005	624.454
<b>17.5</b>	557.781	564.541	571.436	578.536	585.593	592.870	600.444	608.094	615.801	623.603
<b>20.0</b>	544.707	552.420	560.847	568.401	576.644	585.107	593.720	602.515	611.403	620.442
<b>22.5</b>	530.517	539.155	548.019	557.117	566.449	576.047	585.724	595.647	605.706	615.962
<b>25.0</b>	515.223	524.742	534.534	544.575	554.957	565.579	576.415	587.436	598.625	610.078
<b>27.5</b>	498.824	509.159	519.859	530.826	542.131	553.828	565.923	577.841	590.939	602.714
<b>30.0</b>	481.085	492.351	503.987	515.847	528.004	540.675	553.700	566.837	580.147	593.813
<b>32.5</b>	462.428	474.325	486.807	499.312	512.050	525.285	539.162	553.346	567.716	582.494
<b>35.0</b>	441.830	453.939	466.599	479.882	493.582	507.722	522.511	537.835	553.402	569.336
<b>37.5</b>	419.432	432.411	445.292	459.160	473.936	488.687	504.269	520.589	537.321	554.400
<b>40.0</b>	396.190	409.343	423.039	437.272	452.389	468.110	484.561	501.667	519.418	537.579
<b>42.5</b>	372.179	385.747	399.813	414.532	429.859	446.201	463.257	481.105	499.696	518.847
<b>45.0</b>	347.427	361.361	375.812	391.232	406.506	423.301	440.484	458.964	478.223	498.200
<b>47.5</b>	321.983	336.229	351.000	366.293	382.143	398.852	416.554	435.774	457.959	480.569
<b>50.0</b>	295.892	310.406	325.439	340.998	357.083	375.614	396.088	417.585	439.763	462.697
<b>52.5</b>	269.475	283.943	299.180	316.857	336.415	356.391	377.035	398.328	420.622	443.665
<b>55.0</b>	242.619	258.178	277.087	296.486	316.287	336.469	357.101	378.519	400.622	423.498
<b>57.5</b>	219.151	237.330	256.283	275.665	295.505	315.845	336.594	358.371	379.893	402.668
<b>60.0</b>	198.664	216.634	235.217	254.589	274.372	294.571	315.379	336.628	358.392	380.966
<b>62.5</b>	179.224	195.993	214.347	233.345	252.962	273.067	293.592	314.731	336.399	358.627
<b>65.0</b>	158.354	175.520	193.498	212.167	231.384	251.261	271.600	292.370	313.734	335.726
<b>67.5</b>	138.943	155.455	172.742	191.058	209.963	229.381	249.343	269.820	291.476	317.494
<b>70.0</b>	120.491	135.907	152.644	170.121	188.549	207.603	227.120	248.725	272.809	297.220
<b>72.5</b>	102.582	116.811	132.918	149.807	167.392	185.846	207.291	230.424	253.960	278.004
<b>75.0</b>	86.189	99.412	113.663	129.871	146.828	167.268	189.330	212.041	235.161	258.613
<b>77.5</b>	70.679	83.037	96.218	110.454	129.824	150.415	171.666	193.683	216.320	239.272
<b>80.0</b>	55.322	67.592	79.836	96.222	114.096	133.886	154.449	175.626	197.507	219.931
<b>82.5</b>	40.734	52.012	67.622	83.251	99.985	117.910	137.601	158.029	179.019	200.673
<b>85.0</b>	26.987	40.754	55.458	70.972	86.697	103.476	121.341	140.857	161.034	181.719
<b>87.5</b>	18.703	30.745	44.366	58.838	74.114	89.868	106.589	124.281	143.548	163.348
<b>90.0</b>	12.885	22.490	34.439	47.820	61.988	76.913	92.667	109.220	126.728	145.568
<b>92.5</b>	8.744	16.522	26.164	37.980	51.051	64.837	79.491	94.995	111.267	128.547
<b>95.0</b>	6.128	12.097	20.054	29.664	41.311	54.001	67.320	81.596	96.755	116.314
<b>97.5</b>	5.563	9.080	15.354	23.426	32.936	44.380	56.618	69.378	86.087	106.995
<b>100.0</b>	4.669	7.692	11.833	18.463	26.586	36.101	47.133	60.830	78.783	98.635
<b>102.5</b>	3.581	6.153	9.714	14.498	21.361	29.475	40.133	56.092	73.041	91.160
<b>105.0</b>	2.650	4.543	7.501	11.562	16.937	24.870	37.571	51.966	67.800	84.517
<b>107.5</b>	1.845	3.238	5.432	8.777	13.857	23.970	35.638	48.509	63.126	78.745
<b>110.0</b>	1.090	2.198	3.744	6.855	14.350	23.219	33.877	45.776	58.917	73.483
<b>112.5</b>	0.438	1.265	3.162	8.114	14.729	22.743	32.146	43.131	55.144	68.539

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

<b>115.0</b>	0.150	1.215	4.727	9.269	14.917	22.142	30.554	40.453	51.587	63.696
<b>117.5</b>	0.795	2.892	5.803	9.897	15.003	21.300	28.957	37.640	47.927	59.090
<b>120.0</b>	2.108	4.036	6.671	10.095	14.717	20.241	27.092	35.027	44.104	54.412
<b>122.5</b>	2.908	4.727	7.113	10.197	14.112	19.080	24.927	32.149	40.194	49.574
<b>125.0</b>	3.255	4.946	7.107	9.951	13.302	17.713	22.864	29.070	36.323	44.556
<b>127.5</b>	3.232	4.829	6.819	9.319	12.464	16.180	20.790	25.945	32.414	39.460
<b>130.0</b>	2.985	4.439	6.253	8.463	11.247	14.560	18.559	23.234	28.573	35.501
<b>132.5</b>	2.523	3.807	5.421	7.474	9.879	12.817	16.146	20.351	25.790	32.212
<b>135.0</b>	1.988	3.083	4.483	6.271	8.429	10.935	14.140	18.498	23.529	29.097
<b>137.5</b>	1.391	2.309	3.529	4.964	6.887	9.623	13.078	16.865	21.311	26.019
<b>140.0</b>	0.703	1.549	2.566	4.138	6.338	8.966	11.900	15.364	19.113	23.363
<b>142.5</b>	0.374	1.050	2.410	4.055	6.027	8.238	10.831	13.806	17.026	20.771
<b>145.0</b>	0.748	1.494	2.492	3.869	5.625	7.578	9.850	12.383	15.178	18.269
<b>147.5</b>	1.163	1.760	2.600	3.738	5.047	6.874	8.807	11.020	13.412	15.954
<b>150.0</b>	1.309	1.897	2.636	3.496	4.734	6.066	7.743	9.684	11.833	14.033
<b>152.5</b>	1.252	1.822	2.483	3.328	4.246	5.423	6.795	8.243	10.086	12.060
<b>155.0</b>	1.034	1.547	2.201	2.901	3.782	4.752	5.869	7.125	8.557	10.046
<b>157.5</b>	0.791	1.208	1.697	2.402	3.144	3.947	4.935	5.967	7.041	8.383
<b>160.0</b>	0.434	0.838	1.280	1.735	2.382	3.134	3.912	4.745	5.727	6.704
<b>162.5</b>	0.307	0.455	0.774	1.242	1.725	2.216	2.904	3.637	4.368	5.097
<b>165.0</b>	0.244	0.426	0.624	0.843	1.256	1.704	2.157	2.613	3.153	3.798
<b>167.5</b>	0.146	0.309	0.511	0.718	0.932	1.152	1.510	1.906	2.315	2.717
<b>170.0</b>	0.169	0.214	0.276	0.473	0.674	0.877	1.081	1.293	1.506	1.801
<b>172.5</b>	0.154	0.199	0.244	0.290	0.337	0.461	0.637	0.813	0.989	1.166
<b>175.0</b>	0.113	0.151	0.189	0.227	0.265	0.304	0.342	0.380	0.419	0.463
<b>177.5</b>	0.058	0.081	0.104	0.127	0.150	0.173	0.195	0.217	0.239	0.261
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u><b>300.0</b></u>	<u><b>302.5</b></u>	<u><b>305.0</b></u>	<u><b>307.5</b></u>	<u><b>310.0</b></u>	<u><b>312.5</b></u>	<u><b>315.0</b></u>	<u><b>317.5</b></u>	<u><b>320.0</b></u>	<u><b>322.5</b></u>
<b>0.0</b>	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
<b>2.5</b>	606.592	607.524	608.440	609.339	610.219	611.079	612.004	612.728	613.515	614.274
<b>5.0</b>	612.931	614.839	616.752	618.629	620.468	622.264	624.013	625.710	627.354	628.938
<b>7.5</b>	618.696	621.680	624.622	627.513	630.347	633.118	635.825	638.529	641.228	643.678
<b>10.0</b>	623.686	627.758	631.794	635.849	639.832	643.735	647.546	651.256	654.855	658.325
<b>12.5</b>	627.784	633.079	638.320	643.494	648.587	653.574	658.303	662.909	667.377	671.693
<b>15.0</b>	630.934	637.379	643.772	650.071	656.154	662.128	667.977	673.682	679.124	684.375
<b>17.5</b>	631.441	639.279	647.048	654.692	662.256	669.714	676.626	683.275	689.772	696.414
<b>20.0</b>	629.525	638.624	647.673	656.678	665.575	674.047	682.399	691.239	698.341	705.842
<b>22.5</b>	626.293	636.700	647.143	657.565	667.513	677.327	686.979	696.185	705.206	713.897
<b>25.0</b>	621.642	633.413	645.280	656.947	668.201	680.118	690.165	700.767	711.007	720.787
<b>27.5</b>	615.482	628.612	641.911	654.820	667.455	679.911	692.077	704.057	715.537	727.724
<b>30.0</b>	607.737	622.154	636.869	651.085	665.095	678.859	692.482	705.769	718.798	731.261
<b>32.5</b>	597.687	613.334	629.386	645.088	660.638	675.879	691.057	705.681	720.194	733.817
<b>35.0</b>	585.790	602.642	619.971	637.174	654.217	670.959	687.681	703.590	719.289	734.209
<b>37.5</b>	571.989	590.028	608.535	627.190	645.653	663.917	683.008	699.338	716.266	732.404
<b>40.0</b>	556.231	575.420	595.025	616.099	634.791	654.593	674.123	692.770	710.985	728.213
<b>42.5</b>	538.500	558.870	579.416	600.386	621.540	643.654	664.954	685.534	705.433	723.859
<b>45.0</b>	519.238	541.878	564.813	587.853	610.988	633.911	656.332	678.259	698.944	718.569
<b>47.5</b>	503.467	526.768	550.376	574.250	598.134	621.885	645.420	668.236	689.939	710.818
<b>50.0</b>	486.119	509.911	535.149	558.526	583.100	607.740	631.926	655.560	678.568	700.370
<b>52.5</b>	467.290	491.439	515.993	540.881	566.028	591.147	616.082	640.688	664.317	687.186
<b>55.0</b>	447.266	471.518	496.237	521.436	546.878	572.486	598.219	623.820	648.593	672.396
<b>57.5</b>	426.085	450.341	475.104	500.303	526.200	553.246	579.848	605.922	630.891	654.869
<b>60.0</b>	404.259	428.138	452.650	479.568	506.676	533.621	560.172	586.124	611.388	635.687

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**CANDELA TABULATION - (Cont.)**

<b>62.5</b>	381.538	406.315	432.780	459.456	486.316	512.988	539.323	565.177	590.286	614.585
<b>65.0</b>	360.861	386.533	412.607	438.871	465.233	491.571	517.591	543.128	568.079	592.162
<b>67.5</b>	341.437	366.717	392.090	417.786	443.664	469.512	495.152	520.324	544.881	570.510
<b>70.0</b>	321.855	346.694	371.595	396.510	421.680	446.982	472.129	496.907	523.308	550.598
<b>72.5</b>	302.261	326.607	350.922	375.349	399.636	424.141	448.667	475.502	503.675	530.671
<b>75.0</b>	282.487	306.450	330.373	354.167	377.848	401.331	427.717	456.240	484.897	510.718
<b>77.5</b>	262.533	286.107	309.648	333.273	356.132	381.434	409.444	437.344	464.515	490.818
<b>80.0</b>	242.611	265.577	288.722	311.728	336.455	364.342	391.790	418.821	445.431	471.604
<b>82.5</b>	222.762	245.040	267.603	291.617	319.649	347.058	374.274	400.729	426.714	451.857
<b>85.0</b>	203.055	224.687	247.167	275.092	302.713	329.947	356.672	382.791	408.286	433.127
<b>87.5</b>	183.603	204.534	231.616	259.342	285.831	312.554	338.938	364.730	389.861	414.340
<b>90.0</b>	164.858	189.938	216.384	242.768	269.164	295.357	321.075	346.547	371.374	395.492
<b>92.5</b>	151.313	176.169	201.580	227.206	252.746	278.388	303.622	328.414	352.742	376.576
<b>95.0</b>	139.531	163.352	187.407	212.184	236.869	261.660	286.303	310.613	334.421	357.411
<b>97.5</b>	128.951	151.425	174.439	197.896	221.676	246.218	269.297	292.858	316.263	338.701
<b>100.0</b>	119.026	140.376	162.378	184.499	207.313	229.995	252.888	275.594	298.155	320.103
<b>102.5</b>	110.377	130.160	151.128	172.311	193.839	215.578	237.329	259.154	280.619	301.941
<b>105.0</b>	102.535	121.203	140.638	160.816	181.008	202.045	223.075	243.495	263.931	284.472
<b>107.5</b>	95.370	112.984	131.005	150.084	169.352	189.214	208.961	228.635	248.133	267.757
<b>110.0</b>	88.808	105.333	122.396	140.098	158.327	176.960	195.666	214.446	233.156	251.790
<b>112.5</b>	82.903	98.096	114.203	130.757	147.986	165.255	183.022	200.764	218.685	236.478
<b>115.0</b>	77.137	90.970	106.338	121.865	138.043	154.328	171.024	187.697	204.768	221.659
<b>117.5</b>	71.384	84.558	98.596	113.271	128.338	143.760	159.483	175.335	191.381	207.333
<b>120.0</b>	65.587	77.849	90.714	104.680	118.881	133.470	148.195	163.195	178.342	193.471
<b>122.5</b>	59.746	71.011	83.249	96.251	109.541	123.318	137.174	151.323	165.505	179.777
<b>125.0</b>	53.860	64.400	75.941	87.962	100.437	113.266	126.297	139.604	152.918	166.211
<b>127.5</b>	48.389	57.904	68.740	79.704	91.365	103.270	115.496	127.658	140.736	153.081
<b>130.0</b>	43.347	52.223	61.720	71.695	82.363	93.755	104.660	116.218	127.910	139.752
<b>132.5</b>	39.082	46.836	55.025	64.071	73.564	83.432	93.870	104.441	115.280	126.269
<b>135.0</b>	35.210	41.903	49.002	56.987	65.189	74.092	83.361	93.060	102.709	112.738
<b>137.5</b>	31.559	37.343	43.718	50.492	57.562	65.424	73.429	81.757	90.591	99.468
<b>140.0</b>	28.043	33.039	38.686	44.514	50.823	57.487	64.283	71.648	79.057	86.921
<b>142.5</b>	24.683	29.156	33.914	38.890	44.469	50.171	56.060	62.434	68.875	75.145
<b>145.0</b>	21.593	25.488	29.430	33.837	38.521	43.310	48.496	53.914	59.384	63.538
<b>147.5</b>	18.966	22.069	25.407	29.168	33.015	36.918	41.497	46.016	49.549	53.196
<b>150.0</b>	16.457	18.961	21.918	24.936	28.008	31.501	35.014	37.962	40.851	44.037
<b>152.5</b>	14.096	16.372	18.675	21.158	23.787	26.354	28.714	31.031	33.527	36.098
<b>155.0</b>	11.847	13.778	15.748	17.704	19.612	21.497	23.355	25.249	27.316	29.331
<b>157.5</b>	9.805	11.173	12.544	14.130	15.686	17.211	18.730	20.348	21.962	23.538
<b>160.0</b>	7.676	8.705	9.905	11.080	12.240	13.506	14.694	16.003	17.275	18.507
<b>162.5</b>	5.924	6.790	7.649	8.498	9.375	10.338	11.330	12.300	13.247	14.169
<b>165.0</b>	4.439	5.074	5.703	6.362	7.093	7.812	8.516	9.206	9.879	10.588
<b>167.5</b>	3.120	3.538	4.075	4.606	5.127	5.640	6.142	6.633	7.122	7.669
<b>170.0</b>	2.137	2.471	2.802	3.129	3.454	3.774	4.140	4.467	4.854	5.228
<b>172.5</b>	1.343	1.521	1.698	1.874	2.074	2.320	2.559	2.793	3.021	3.242
<b>175.0</b>	0.572	0.699	0.824	0.948	1.070	1.185	1.306	1.421	1.533	1.642
<b>177.5</b>	0.283	0.304	0.325	0.346	0.366	0.385	0.403	0.424	0.442	0.460
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<b><u>325.0</u></b>	<b><u>327.5</u></b>	<b><u>330.0</u></b>	<b><u>332.5</u></b>	<b><u>335.0</u></b>	<b><u>337.5</u></b>	<b><u>340.0</u></b>	<b><u>342.5</u></b>	<b><u>345.0</u></b>	<b><u>347.5</u></b>
<b>0.0</b>	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561	599.561
<b>2.5</b>	615.004	615.704	616.371	617.005	617.604	618.168	618.694	619.182	620.413	620.583
<b>5.0</b>	630.461	631.918	633.306	634.622	635.864	637.028	638.112	639.113	640.030	640.860
<b>7.5</b>	646.110	648.438	650.657	652.761	654.745	656.604	658.332	659.926	661.381	662.695

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

10.0	661.528	664.603	667.530	670.303	672.913	675.354	677.618	679.700	681.594	683.297
12.5	675.844	679.814	683.563	687.125	690.486	693.638	696.568	699.266	701.725	703.934
15.0	689.452	694.335	699.008	703.367	707.410	711.206	714.741	718.000	720.998	723.643
17.5	701.992	707.667	713.114	718.312	723.165	727.533	731.597	735.340	738.746	741.800
20.0	713.098	719.769	725.908	731.769	737.323	742.538	747.400	751.908	756.036	759.759
22.5	722.033	729.855	737.300	744.230	750.742	756.892	762.589	767.705	772.421	776.703
25.0	730.272	739.184	747.687	756.229	762.971	769.682	775.987	781.692	786.623	791.125
27.5	737.361	747.582	757.066	765.808	774.124	781.119	787.435	793.125	798.214	803.131
30.0	743.225	754.433	764.853	774.617	783.200	791.236	797.914	803.832	808.992	813.442
32.5	747.176	759.340	771.117	781.571	791.406	799.789	807.975	814.030	819.837	824.660
35.0	748.424	761.892	774.401	786.410	797.037	807.165	815.684	823.271	829.520	834.854
37.5	747.606	762.304	775.757	788.660	800.558	811.237	821.774	829.667	837.784	843.929
40.0	744.506	760.218	774.842	788.742	802.166	813.439	823.939	833.247	841.170	848.529
42.5	741.509	758.398	773.934	788.662	802.580	814.758	825.575	835.209	842.968	849.558
45.0	737.401	755.100	771.553	787.112	801.605	814.428	826.061	836.488	844.983	852.256
47.5	730.621	749.060	766.576	783.082	797.756	811.210	823.372	833.758	842.246	849.426
50.0	720.844	740.405	759.172	775.097	790.221	804.215	816.531	827.070	836.085	843.652
52.5	708.842	728.854	747.266	764.399	780.180	794.208	807.051	819.541	828.993	838.175
55.0	694.271	714.830	734.071	751.321	767.211	781.943	796.548	809.325	820.364	829.487
57.5	677.762	698.793	718.182	736.206	753.403	769.986	785.178	798.104	809.406	818.104
60.0	658.717	680.511	700.516	720.700	739.628	756.456	771.673	785.258	796.423	805.068
62.5	637.978	660.407	683.501	704.465	723.559	741.707	756.559	770.528	781.586	791.018
65.0	616.583	641.741	664.951	686.499	705.850	723.652	739.673	753.517	765.297	775.524
67.5	596.896	622.057	645.332	667.011	686.794	704.661	720.858	734.940	747.331	757.931
70.0	576.689	601.535	625.197	646.858	666.852	684.779	701.089	715.433	728.141	739.055
72.5	557.506	580.828	603.975	625.998	646.330	664.264	680.660	695.319	708.468	719.784
75.0	536.238	560.329	583.104	604.512	624.498	642.976	659.618	674.553	688.722	699.803
77.5	516.056	540.129	562.672	584.262	602.753	620.751	637.601	653.017	666.894	678.818
80.0	496.154	519.810	542.411	562.662	581.345	598.939	615.510	630.857	644.914	656.595
82.5	476.605	500.104	521.749	541.414	560.017	577.391	593.645	608.755	622.718	633.648
85.0	457.156	480.451	501.129	520.514	538.806	556.038	572.119	586.964	600.722	610.808
87.5	438.081	460.120	480.481	499.686	517.882	534.955	550.952	565.853	578.852	588.517
90.0	418.758	440.015	460.145	479.183	497.118	514.110	530.009	545.679	556.875	566.363
92.5	399.048	420.162	440.191	459.150	476.993	493.826	509.584	524.272	535.100	544.548
95.0	379.455	400.628	420.655	439.526	457.323	474.120	489.845	504.150	513.961	522.985
97.5	360.251	381.657	401.007	420.153	437.969	454.970	470.723	483.730	493.124	501.786
100.0	341.444	361.958	381.613	400.407	418.444	435.637	451.912	463.571	472.541	480.841
102.5	322.828	343.071	362.567	381.235	399.046	416.007	432.120	442.117	451.179	459.471
105.0	304.577	324.354	343.593	362.144	379.844	396.733	411.303	420.786	429.563	437.623
107.5	286.985	306.112	324.760	342.879	360.454	377.330	390.993	399.319	407.887	415.774
110.0	270.143	288.490	306.392	323.919	341.041	357.573	368.141	377.165	385.614	393.386
112.5	254.085	271.550	288.636	305.485	321.965	336.691	346.030	354.853	363.025	370.404
115.0	238.521	255.201	271.535	287.674	303.430	315.531	324.455	332.903	340.731	347.926
117.5	223.410	239.297	254.917	270.373	285.434	294.935	303.410	311.428	318.886	325.767
120.0	208.686	223.736	238.629	253.372	266.309	274.762	282.795	290.365	297.421	303.943
122.5	194.153	208.408	222.556	236.534	246.758	254.759	262.371	269.489	276.210	282.376
125.0	179.800	193.144	206.495	219.370	227.357	235.430	242.152	248.906	255.193	260.992
127.5	165.665	178.579	190.664	200.654	208.096	215.188	221.994	228.374	234.308	239.723
130.0	151.570	163.342	175.020	182.301	189.218	195.829	202.143	208.064	213.572	218.649
132.5	137.261	148.254	157.265	163.987	170.575	176.738	182.571	188.039	193.123	197.805
135.0	122.784	132.656	139.457	145.856	151.840	157.701	163.138	168.208	172.895	177.185
137.5	108.380	115.762	121.971	127.868	133.986	138.820	143.878	148.580	152.914	156.867
140.0	93.999	99.800	105.341	110.559	115.626	120.583	125.208	129.493	133.428	137.005
142.5	80.201	85.210	90.016	94.611	99.089	103.506	107.634	111.464	114.987	118.195
145.0	67.908	72.124	76.177	80.058	83.976	87.809	91.404	94.753	97.847	100.675
147.5	56.892	60.439	63.870	67.303	70.520	73.740	76.764	79.586	82.195	84.585

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**CANDELA TABULATION - (Cont.)**

150.0	47.109	50.066	52.900	55.685	58.540	61.235	63.764	66.122	68.300	70.292
152.5	38.586	40.986	43.291	45.676	48.029	50.250	52.334	54.275	56.068	57.709
155.0	31.289	33.185	35.041	37.041	38.941	40.739	42.429	44.007	45.470	46.812
157.5	25.070	26.557	28.111	29.676	31.168	32.585	33.922	35.174	36.339	37.412
160.0	19.699	20.882	22.143	23.351	24.505	25.601	26.625	27.605	28.507	29.338
162.5	15.088	16.066	17.011	17.952	18.827	19.654	20.431	21.156	21.827	22.442
165.0	11.287	12.026	12.735	13.414	14.061	14.674	15.253	15.794	16.297	16.759
167.5	8.199	8.710	9.200	9.672	10.121	10.547	10.948	11.324	11.673	11.995
170.0	5.590	5.938	6.273	6.593	6.898	7.187	7.459	7.713	7.950	8.167
172.5	3.457	3.664	3.863	4.055	4.237	4.410	4.574	4.727	4.863	5.002
175.0	1.748	1.850	1.949	2.043	2.133	2.219	2.300	2.375	2.446	2.510
177.5	0.477	0.493	0.509	0.524	0.538	0.552	0.565	0.577	0.607	0.611
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	599.561	599.561	599.561	599.561	599.561
2.5	620.755	620.929	621.104	621.279	621.455
5.0	642.348	642.675	643.003	643.334	643.665
7.5	663.863	665.580	666.062	666.547	667.033
10.0	684.804	686.111	687.627	688.223	688.821
12.5	705.888	707.579	709.556	710.292	711.031
15.0	726.004	728.045	730.493	731.312	732.189
17.5	744.490	746.806	748.741	750.485	751.451
20.0	763.053	765.896	768.271	770.412	771.556
22.5	780.517	783.830	786.613	789.137	790.503
25.0	795.160	798.692	801.688	804.419	805.976
27.5	807.630	811.654	815.187	818.375	820.291
30.0	818.571	823.016	826.739	830.085	831.975
32.5	828.206	833.003	837.357	841.474	843.869
35.0	838.626	841.144	845.922	850.177	853.553
37.5	848.391	850.667	852.274	857.408	861.658
40.0	854.321	858.925	860.255	862.091	868.079
42.5	855.403	860.774	865.792	866.589	870.605
45.0	858.467	863.314	866.596	868.724	869.658
47.5	855.212	859.320	864.833	867.232	870.605
50.0	850.990	857.514	860.758	860.956	868.079
52.5	846.048	850.771	852.340	856.093	861.658
55.0	837.101	840.571	842.717	848.731	853.553
57.5	824.699	829.224	833.700	839.400	843.869
60.0	811.735	816.771	822.801	828.058	831.975
62.5	798.080	803.838	810.434	815.963	820.291
65.0	783.344	790.332	796.766	801.997	805.976
67.5	766.645	774.453	781.126	787.207	790.503
70.0	748.277	756.025	762.530	768.416	771.556
72.5	729.043	736.563	742.805	748.388	751.451
75.0	708.976	716.656	723.099	728.917	732.189
77.5	687.699	695.390	701.853	707.699	711.031
80.0	665.546	673.232	679.657	685.431	688.821
82.5	642.746	650.602	657.272	663.341	667.033
85.0	619.658	627.358	633.913	639.880	643.665
87.5	597.166	604.785	611.370	617.428	621.455
90.0	575.087	582.698	589.309	595.412	599.561
92.5	553.002	560.537	567.145	573.285	577.562
95.0	531.194	538.563	545.073	551.155	555.457

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**CANDELA TABULATION - (Cont.)**

<b>97.5</b>	509.559	516.805	523.115	529.025	533.247
<b>100.0</b>	488.440	495.306	501.412	507.144	511.248
<b>102.5</b>	466.980	473.696	479.612	485.127	489.038
<b>105.0</b>	444.951	451.534	457.362	462.811	466.723
<b>107.5</b>	422.963	429.434	435.173	440.548	444.408
<b>110.0</b>	400.460	406.820	412.449	417.715	421.461
<b>112.5</b>	377.284	383.446	388.882	393.953	397.567
<b>115.0</b>	354.474	360.363	365.583	370.340	373.989
<b>117.5</b>	332.053	337.727	342.774	347.512	350.937
<b>120.0</b>	309.911	315.306	320.110	324.625	327.885
<b>122.5</b>	288.015	293.107	297.636	301.887	304.938
<b>125.0</b>	266.287	271.060	275.295	279.267	282.097
<b>127.5</b>	244.767	249.256	253.230	256.951	259.571
<b>130.0</b>	223.277	227.436	231.111	234.548	236.940
<b>132.5</b>	202.064	205.883	209.243	212.379	214.520
<b>135.0</b>	181.065	184.519	187.536	190.336	192.205
<b>137.5</b>	160.427	163.583	166.324	168.860	170.521
<b>140.0</b>	140.216	143.054	146.303	147.780	149.259
<b>142.5</b>	121.081	123.637	126.560	127.909	129.259
<b>145.0</b>	103.228	105.498	108.099	109.311	110.523
<b>147.5</b>	86.745	88.669	90.874	91.909	92.945
<b>150.0</b>	72.093	73.697	75.531	76.396	77.261
<b>152.5</b>	59.193	60.515	61.975	62.747	63.472
<b>155.0</b>	48.029	49.118	50.357	50.967	51.577
<b>157.5</b>	38.389	39.266	40.264	40.763	41.262
<b>160.0</b>	30.094	30.773	31.547	31.931	32.315
<b>162.5</b>	23.001	23.501	24.069	24.350	24.631
<b>165.0</b>	17.180	17.559	17.988	18.204	18.421
<b>167.5</b>	12.288	12.699	12.852	13.005	13.158
<b>170.0</b>	8.365	8.642	8.744	8.845	8.947
<b>172.5</b>	5.121	5.290	5.351	5.412	5.474
<b>175.0</b>	2.626	2.653	2.681	2.709	2.737
<b>177.5</b>	0.616	0.620	0.624	0.628	0.632
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	219.01	N.A.	8.40
0-30	469.11	N.A.	18.00
0-40	777.02	N.A.	29.80
0-60	1424.48	N.A.	54.60
0-80	1939.89	N.A.	74.30
0-90	2130.74	N.A.	81.70
10-90	2074.34	N.A.	79.50
20-40	558.01	N.A.	21.40
20-50	887.96	N.A.	34.00
40-70	928.05	N.A.	35.60
60-80	515.40	N.A.	19.80
70-80	234.82	N.A.	9.00
80-90	190.86	N.A.	7.30
90-110	272.19	N.A.	10.40
90-120	360.24	N.A.	13.80
90-130	419.94	N.A.	16.10
90-150	471.09	N.A.	18.10
90-180	478.45	N.A.	18.30
110-180	206.26	N.A.	7.90
0-180	2609.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	56.41
10-20	162.61
20-30	250.10
30-40	307.91
40-50	329.95
50-60	317.51
60-70	280.59
70-80	234.82
80-90	190.86
90-100	152.95
100-110	119.23
110-120	88.06
120-130	59.70
130-140	34.81
140-150	16.34
150-160	5.87
160-170	1.37
170-180	0.11

**IES INDOOR REPORT**  
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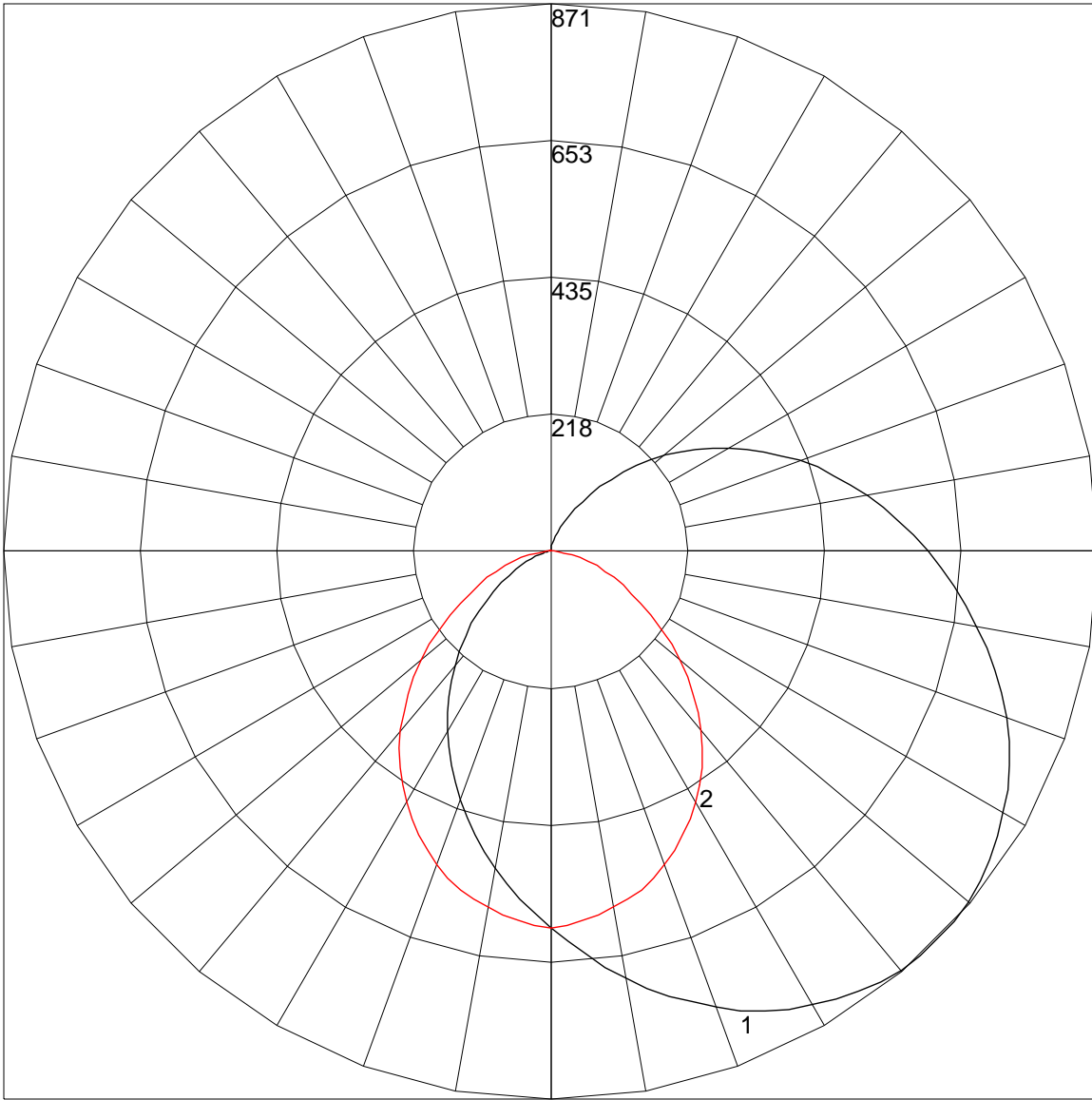
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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



POLAR GRAPH



Maximum Candela = 870.605 Located At Horizontal Angle = 0, Vertical Angle = 42.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)