



**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 11890707.05P1  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 7/15/2022  
 [MANUFAC] Lamar LED  
 [LUMCAT] TCCL48L-40  
 [LUMINAIRE] White formed steel housing, frosted plastic lens enclosure  
 [LAMP] 112 white LEDs  
 [BALLAST] One Espen VPL50-xxx-MVHDA-PD-2C driver  
 [OTHER] 25.6 C, 120.074 V, 0.161 A, 19.3 W, 0.995853 PF, 59.9981  
 [MORE] Hz  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.  
 [\_ CONVERT] Luminaire test position and photometric web converted from original test data  
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**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2309
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	19.3
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.96
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.81 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.06 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20566	12658	6650
55	24522	13392	5542
65	31515	14000	4289
75	46567	14941	2757
85	111826	17161	726

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**CANDELA TABULATION**

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
<b>0.0</b>	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
<b>2.5</b>	497.958	497.901	497.845	497.789	497.733	497.678	497.623	496.773	496.479	496.155
<b>5.0</b>	513.547	513.441	513.336	513.230	513.126	512.208	511.750	511.229	510.649	510.009
<b>7.5</b>	528.142	527.990	527.839	527.688	526.766	526.185	525.512	524.748	523.897	522.958
<b>10.0</b>	541.659	541.466	541.275	540.515	539.884	539.131	538.258	537.267	536.161	534.944
<b>12.5</b>	554.428	554.220	554.013	553.089	552.325	551.393	550.330	549.104	547.731	546.215
<b>15.0</b>	567.116	566.888	566.660	565.518	564.584	563.454	562.132	560.622	558.932	557.070
<b>17.5</b>	579.305	579.102	578.403	577.579	576.508	575.192	573.633	571.840	569.819	567.581
<b>20.0</b>	590.583	590.419	589.686	588.809	587.644	586.199	584.478	582.491	580.247	577.764
<b>22.5</b>	601.197	601.012	600.174	599.184	597.881	596.280	594.395	592.244	589.844	586.981
<b>25.0</b>	611.231	611.038	610.081	608.943	607.444	605.601	603.437	600.974	598.170	594.758
<b>27.5</b>	620.104	619.977	618.997	617.800	616.186	614.172	611.783	608.782	605.079	601.122
<b>30.0</b>	627.069	627.158	626.365	625.311	623.781	621.787	618.845	615.092	611.025	606.672
<b>32.5</b>	633.040	633.336	632.667	631.725	630.241	627.528	624.145	620.256	616.314	611.074
<b>35.0</b>	638.098	638.320	637.997	637.080	634.776	631.919	628.297	624.345	619.546	615.307
<b>37.5</b>	642.162	642.510	642.275	640.555	638.312	635.090	632.462	629.219	625.686	620.289
<b>40.0</b>	644.733	645.778	644.919	643.123	642.543	641.386	638.638	634.988	630.156	624.457
<b>42.5</b>	646.226	648.047	649.804	651.606	650.934	648.994	645.889	641.548	635.896	629.508
<b>45.0</b>	655.181	669.630	673.638	670.609	666.816	661.797	656.011	649.479	642.178	634.501
<b>47.5</b>	646.226	647.990	651.635	653.919	656.176	655.328	652.569	648.381	642.924	636.630
<b>50.0</b>	644.733	645.966	644.505	644.643	644.855	643.263	641.386	638.169	633.625	627.964
<b>52.5</b>	642.162	642.616	641.685	639.264	637.296	635.873	632.778	628.863	623.674	618.241
<b>55.0</b>	638.098	638.412	637.924	635.191	631.961	628.187	625.198	620.598	614.870	608.122
<b>57.5</b>	633.040	633.130	632.414	629.994	626.222	621.366	616.932	612.273	606.609	599.736
<b>60.0</b>	627.069	626.843	625.787	623.569	619.518	614.575	608.679	603.384	597.607	590.754
<b>62.5</b>	620.104	619.448	617.951	615.612	611.534	606.538	600.671	594.239	588.138	581.478
<b>65.0</b>	611.231	610.406	608.764	606.332	602.632	597.684	591.882	585.420	578.142	570.788
<b>67.5</b>	601.197	600.753	598.735	596.355	593.093	588.156	582.189	575.380	567.772	559.370
<b>70.0</b>	590.583	590.133	588.086	585.606	582.299	577.298	571.183	564.074	556.244	547.632
<b>72.5</b>	579.305	578.659	576.408	573.719	570.191	565.311	559.122	552.156	544.456	535.926
<b>75.0</b>	567.116	566.263	563.879	561.107	557.580	553.099	547.364	539.975	532.258	523.688
<b>77.5</b>	554.428	553.491	551.088	548.294	544.742	540.439	534.383	527.322	519.451	510.732
<b>80.0</b>	541.659	540.568	538.031	535.131	531.513	527.194	521.397	514.100	505.972	497.123
<b>82.5</b>	528.142	526.987	524.354	521.348	517.610	513.153	507.541	500.010	491.545	482.309
<b>85.0</b>	513.547	512.335	509.614	506.510	502.649	498.041	492.650	484.923	476.261	466.788
<b>87.5</b>	497.958	496.664	493.863	490.683	486.754	482.090	476.707	469.302	460.494	450.912
<b>90.0</b>	481.538	480.197	477.380	474.195	470.281	465.649	460.318	454.025	444.500	434.848
<b>92.5</b>	464.705	463.332	460.524	457.359	453.484	448.909	443.649	437.303	428.293	418.508
<b>95.0</b>	447.622	446.222	443.432	440.282	436.426	431.863	426.598	420.642	411.801	402.006
<b>97.5</b>	430.540	429.043	426.200	423.006	419.120	414.546	409.285	403.344	395.235	385.498
<b>100.0</b>	413.293	411.698	408.800	405.570	401.680	397.136	391.942	386.107	378.823	369.177
<b>102.5</b>	395.878	394.225	391.344	388.147	384.323	379.873	374.800	369.109	362.727	353.194
<b>105.0</b>	378.879	377.153	374.248	371.044	367.248	362.860	357.885	352.331	346.208	337.470
<b>107.5</b>	361.879	360.117	357.193	353.983	350.202	345.858	340.960	335.520	330.244	321.849
<b>110.0</b>	344.382	342.705	339.800	336.680	333.011	328.798	324.047	318.768	313.030	306.321
<b>112.5</b>	327.135	325.404	322.604	319.540	315.945	311.825	307.184	302.032	296.375	290.227
<b>115.0</b>	309.886	308.163	305.410	302.401	298.880	294.851	290.320	285.293	279.778	273.814
<b>117.5</b>	292.639	290.925	288.229	285.287	281.856	277.940	273.543	268.669	263.328	257.560
<b>120.0</b>	275.556	273.855	271.216	268.344	265.008	261.209	256.953	252.246	247.094	241.552
<b>122.5</b>	258.639	256.961	254.394	251.610	248.389	244.736	240.659	236.161	231.254	225.940
<b>125.0</b>	241.972	240.340	237.859	235.168	232.054	228.522	224.575	220.215	215.450	210.662
<b>127.5</b>	225.470	223.862	221.450	218.841	215.837	212.442	208.660	204.499	199.965	195.064
<b>130.0</b>	209.134	207.583	205.254	202.738	199.842	196.572	192.933	188.932	184.574	179.869
<b>132.5</b>	192.715	191.233	189.000	186.586	183.808	180.671	177.184	173.350	169.179	164.679

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	176.130	174.737	172.640	170.374	167.766	164.820	161.543	157.940	154.018	149.782
<b>137.5</b>	159.960	158.646	156.653	154.549	152.015	149.207	146.150	142.645	138.902	134.885
<b>140.0</b>	143.624	142.400	141.176	138.522	136.198	133.572	130.651	127.439	123.945	120.175
<b>142.5</b>	127.454	126.334	125.215	122.745	120.587	118.142	115.416	112.413	109.140	105.604
<b>145.0</b>	111.450	110.425	109.402	107.101	105.094	102.815	100.268	97.458	94.389	91.068
<b>147.5</b>	95.528	94.591	93.655	91.498	89.620	87.481	85.084	82.435	79.536	76.393
<b>150.0</b>	79.417	78.563	77.768	75.682	73.922	71.908	69.645	67.136	64.385	61.396
<b>152.5</b>	62.939	62.163	61.388	59.488	57.843	55.954	53.826	51.460	48.860	46.029
<b>155.0</b>	46.105	45.401	44.696	42.900	41.351	39.564	37.543	35.288	32.805	30.096
<b>157.5</b>	28.551	27.909	27.269	25.635	24.247	22.669	20.909	18.977	16.884	14.638
<b>160.0</b>	10.573	10.192	9.812	8.974	8.271	7.505	6.687	5.831	4.947	4.049
<b>162.5</b>	0.763	0.735	0.706	0.646	0.595	0.539	0.482	0.420	0.358	0.294
<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. Horizontal Angles**

	<b>25.0</b>	<b>27.5</b>	<b>30.0</b>	<b>32.5</b>	<b>35.0</b>	<b>37.5</b>	<b>40.0</b>	<b>42.5</b>	<b>45.0</b>	<b>47.5</b>
<b>0.0</b>	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
<b>2.5</b>	495.802	495.421	495.012	494.577	494.116	493.630	493.121	492.578	492.036	491.461
<b>5.0</b>	509.312	508.559	507.752	506.892	505.982	505.024	504.019	502.971	501.882	500.754
<b>7.5</b>	521.936	520.833	519.651	518.395	517.066	515.670	514.208	512.685	511.105	509.374
<b>10.0</b>	533.618	532.189	530.660	529.036	527.322	525.523	523.525	521.428	519.257	517.016
<b>12.5</b>	544.561	542.773	540.860	538.826	536.608	534.276	531.845	529.322	526.714	524.029
<b>15.0</b>	555.040	552.854	550.491	547.952	545.274	542.466	539.538	536.482	533.257	529.947
<b>17.5</b>	565.134	562.470	559.621	556.608	553.444	550.301	546.992	542.924	539.148	535.211
<b>20.0</b>	574.878	571.712	568.327	564.742	560.904	556.750	552.462	548.418	543.395	538.660
<b>22.5</b>	583.766	580.157	576.162	571.687	566.998	562.153	557.162	552.048	546.835	541.401
<b>25.0</b>	590.992	587.229	582.348	577.531	572.476	566.894	561.178	555.336	549.387	543.762
<b>27.5</b>	596.916	592.324	587.548	582.329	576.675	571.392	564.375	557.802	551.115	544.337
<b>30.0</b>	601.860	596.865	591.507	585.924	579.901	573.450	566.643	559.316	551.918	544.442
<b>32.5</b>	605.908	600.304	594.575	588.731	582.600	575.696	568.584	560.658	552.646	544.414
<b>35.0</b>	610.150	604.648	598.528	592.066	585.035	577.542	569.631	561.141	552.468	543.410
<b>37.5</b>	614.688	608.391	601.575	594.440	586.498	578.264	569.574	560.434	551.585	541.258
<b>40.0</b>	618.242	611.006	603.477	595.537	586.769	577.714	568.287	558.485	548.443	537.885
<b>42.5</b>	622.421	614.453	606.052	597.239	587.483	577.453	567.166	556.416	545.282	533.721
<b>45.0</b>	626.420	617.404	607.990	598.194	587.713	576.862	565.854	554.585	542.700	530.553
<b>47.5</b>	628.394	618.623	608.193	597.404	586.254	574.789	563.146	551.276	538.914	526.163
<b>50.0</b>	620.975	613.111	604.698	594.595	583.086	571.185	559.102	546.593	533.778	520.634
<b>52.5</b>	611.762	604.065	595.308	585.742	575.511	564.785	553.599	540.769	527.371	513.527
<b>55.0</b>	601.690	594.156	585.518	575.965	565.846	555.233	543.824	531.899	519.403	505.181
<b>57.5</b>	591.880	583.474	574.828	565.469	555.424	544.472	532.995	520.997	507.922	494.511
<b>60.0</b>	582.737	573.483	563.554	554.186	543.836	532.871	521.272	508.794	495.779	482.387
<b>62.5</b>	572.854	563.588	553.375	542.090	531.406	520.342	508.487	495.997	482.947	469.196
<b>65.0</b>	562.228	552.818	542.347	531.048	518.825	506.917	495.048	482.461	469.206	455.195
<b>67.5</b>	550.763	541.244	530.819	519.517	507.089	493.854	480.827	468.126	454.681	440.025
<b>70.0</b>	538.902	529.340	518.911	507.284	494.799	481.426	467.095	453.011	438.972	424.045
<b>72.5</b>	526.743	516.981	506.266	494.525	482.662	468.285	453.699	438.058	422.519	407.573
<b>75.0</b>	514.169	504.003	493.095	481.173	468.272	454.247	439.984	423.447	406.822	390.674
<b>77.5</b>	501.024	491.037	479.130	466.978	453.596	439.416	424.327	408.434	391.832	374.422
<b>80.0</b>	487.004	476.207	464.253	451.771	438.306	424.304	408.950	393.094	376.454	359.116

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<b>82.5</b>	472.024	460.865	448.803	436.069	422.628	408.379	393.375	377.456	360.996	343.612
<b>85.0</b>	456.412	445.147	433.058	420.107	406.696	392.402	377.407	361.697	345.168	327.904
<b>87.5</b>	440.486	429.189	417.205	404.082	390.486	376.370	361.511	345.763	329.305	312.090
<b>90.0</b>	424.382	412.988	400.837	387.963	374.416	360.292	345.410	329.813	313.472	296.690
<b>92.5</b>	407.957	396.704	384.600	371.826	358.299	344.171	329.463	314.159	298.258	281.703
<b>95.0</b>	391.496	380.251	368.271	355.605	342.300	328.371	314.103	299.108	283.483	267.178
<b>97.5</b>	375.038	363.907	352.104	340.154	326.741	313.260	299.349	284.580	269.308	253.927
<b>100.0</b>	358.837	347.867	336.357	324.232	311.618	298.486	285.001	270.790	255.668	239.849
<b>102.5</b>	343.037	332.271	320.964	309.098	296.798	284.086	270.957	257.477	242.516	226.829
<b>105.0</b>	327.445	316.853	305.809	294.270	282.273	269.869	257.038	243.764	229.991	214.332
<b>107.5</b>	312.018	301.675	290.859	279.581	267.851	255.662	243.148	230.133	216.866	202.327
<b>110.0</b>	296.680	286.680	275.959	264.896	253.382	241.529	229.283	216.727	203.870	190.949
<b>112.5</b>	281.356	271.434	261.075	250.318	239.134	227.618	215.754	203.580	191.212	178.542
<b>115.0</b>	266.121	256.464	246.387	235.959	225.127	213.982	202.580	190.819	178.910	166.726
<b>117.5</b>	251.088	241.725	231.945	221.921	211.514	200.746	189.719	178.392	166.914	155.217
<b>120.0</b>	235.663	227.381	217.984	208.221	198.124	187.705	177.132	166.283	155.215	143.994
<b>122.5</b>	220.216	213.186	204.052	194.661	185.012	175.052	164.853	154.428	143.778	133.134
<b>125.0</b>	204.848	199.041	190.503	181.472	172.173	162.592	152.790	142.863	132.741	122.566
<b>127.5</b>	189.817	184.230	177.103	168.757	159.492	150.344	141.240	131.544	121.922	112.197
<b>130.0</b>	174.830	169.470	163.818	155.455	146.982	138.306	129.421	120.403	111.259	102.474
<b>132.5</b>	159.898	154.843	149.486	142.737	134.757	126.379	117.929	109.418	100.785	92.065
<b>135.0</b>	145.238	140.394	135.264	129.858	122.322	114.569	106.649	98.868	90.393	82.079
<b>137.5</b>	130.978	125.999	121.199	116.147	110.244	102.904	95.399	87.902	79.927	71.967
<b>140.0</b>	116.136	111.855	107.323	102.544	97.527	91.196	84.075	76.791	69.327	61.640
<b>142.5</b>	101.809	97.767	93.482	88.959	84.204	79.208	72.599	65.778	58.469	51.045
<b>145.0</b>	87.500	83.676	79.589	75.269	70.722	65.954	60.873	54.144	47.414	40.255
<b>147.5</b>	73.011	69.602	65.467	61.313	56.934	52.347	47.473	42.333	35.917	29.511
<b>150.0</b>	58.174	54.722	50.990	47.012	42.812	38.395	33.766	28.729	23.467	17.812
<b>152.5</b>	42.973	39.693	36.147	32.286	28.204	23.964	19.389	15.015	11.071	7.084
<b>155.0</b>	27.161	24.007	20.638	17.445	14.186	10.838	7.409	3.910	2.306	1.426
<b>157.5</b>	12.251	9.733	7.092	4.968	3.840	2.789	1.809	0.926	0.160	0.101
<b>160.0</b>	3.149	2.255	1.380	0.533	0.290	0.216	0.149	0.088	0.037	0.000
<b>162.5</b>	0.231	0.170	0.110	0.052	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><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>	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
<b>2.5</b>	490.868	490.257	489.628	488.985	488.328	487.658	486.975	486.285	485.584	484.876
<b>5.0</b>	499.589	498.391	497.162	495.904	494.568	493.200	491.811	490.405	488.982	487.549
<b>7.5</b>	507.578	505.732	503.842	501.911	499.945	497.937	495.923	494.363	491.693	489.518
<b>10.0</b>	514.712	512.348	509.936	507.334	504.658	501.946	499.202	496.434	493.647	490.750
<b>12.5</b>	521.089	518.065	514.983	511.849	508.672	505.259	501.751	498.279	494.762	491.738
<b>15.0</b>	526.558	523.103	519.373	515.546	511.678	507.774	503.613	499.373	495.122	490.871
<b>17.5</b>	531.007	526.737	522.412	517.864	513.170	508.461	503.671	498.613	493.571	488.558
<b>20.0</b>	533.856	528.849	523.779	518.674	513.264	507.811	502.368	496.554	490.745	485.036
<b>22.5</b>	535.879	530.284	524.443	518.541	512.553	506.358	500.189	493.644	487.079	480.506
<b>25.0</b>	537.111	530.831	524.321	517.693	510.985	504.057	497.175	489.849	482.546	475.130
<b>27.5</b>	537.472	530.486	523.333	515.943	508.510	500.868	493.797	485.140	477.125	468.832

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	536.895	529.202	521.403	513.238	505.090	496.764	488.318	479.500	470.665	461.601
<b>32.5</b>	536.124	527.665	519.053	510.155	501.163	492.090	482.721	473.212	463.426	453.634
<b>35.0</b>	534.322	525.078	515.636	506.022	496.222	486.459	476.209	465.975	455.358	444.813
<b>37.5</b>	531.371	521.386	511.110	500.796	490.219	479.582	468.734	457.556	446.334	434.969
<b>40.0</b>	527.208	517.078	505.447	494.336	483.144	471.683	460.149	448.146	436.064	424.188
<b>42.5</b>	521.794	510.272	498.637	486.738	474.837	462.806	450.246	437.694	424.961	412.356
<b>45.0</b>	518.158	505.312	492.328	479.139	465.687	452.644	439.419	426.046	412.777	399.574
<b>47.5</b>	513.132	499.765	486.132	472.353	458.426	443.637	428.727	413.718	399.531	385.809
<b>50.0</b>	506.823	492.916	479.523	464.490	449.547	434.241	418.590	402.968	387.427	371.895
<b>52.5</b>	499.335	485.018	470.368	455.351	439.614	423.508	407.395	391.305	375.227	359.250
<b>55.0</b>	490.658	475.910	460.860	444.726	428.331	411.779	395.175	378.641	362.185	345.747
<b>57.5</b>	480.788	465.639	449.501	432.909	415.954	398.942	382.011	365.602	348.212	331.228
<b>60.0</b>	468.193	453.110	437.074	419.772	402.461	385.201	367.991	350.658	333.243	315.796
<b>62.5</b>	454.637	439.054	422.471	405.463	388.065	370.566	352.948	335.214	317.246	299.325
<b>65.0</b>	440.021	423.938	407.316	390.263	372.811	354.942	336.984	318.580	300.230	282.079
<b>67.5</b>	424.493	408.352	391.687	374.565	356.992	339.904	319.803	300.955	282.386	264.023
<b>70.0</b>	408.467	392.290	375.589	358.413	340.731	322.036	302.798	283.058	263.674	245.015
<b>72.5</b>	391.978	375.778	359.073	341.829	323.655	304.882	285.565	265.732	245.292	225.085
<b>75.0</b>	375.046	358.882	342.162	324.560	306.331	287.512	268.192	248.271	227.721	206.411
<b>77.5</b>	357.764	341.830	324.678	307.054	288.811	270.082	250.750	230.792	210.098	188.826
<b>80.0</b>	341.097	323.942	306.980	289.388	271.321	252.647	233.345	213.341	192.752	171.610
<b>82.5</b>	325.549	306.697	289.188	271.844	253.891	235.311	216.063	196.225	175.821	154.897
<b>85.0</b>	309.834	291.295	271.933	254.432	236.638	218.201	199.177	179.579	159.447	139.107
<b>87.5</b>	294.331	276.462	256.926	237.307	219.708	201.555	182.829	163.538	144.124	124.329
<b>90.0</b>	279.199	261.048	242.295	222.885	203.330	185.533	167.173	148.708	129.945	110.712
<b>92.5</b>	264.429	246.619	228.119	209.017	189.503	170.334	152.842	135.175	117.000	98.335
<b>95.0</b>	250.256	232.680	214.428	195.759	176.771	157.740	140.012	122.912	105.203	87.071
<b>97.5</b>	236.581	219.237	201.347	183.235	165.137	147.039	129.104	111.701	94.360	77.030
<b>100.0</b>	223.368	206.307	189.022	171.519	154.188	136.793	119.255	101.554	84.656	68.461
<b>102.5</b>	210.650	194.111	177.456	160.737	143.854	126.835	109.632	92.799	76.248	61.192
<b>105.0</b>	198.537	182.635	166.490	150.236	133.800	117.124	100.891	84.863	69.455	54.913
<b>107.5</b>	187.025	171.597	155.901	140.110	124.133	108.374	93.108	77.742	63.521	49.799
<b>110.0</b>	175.926	160.936	145.737	130.494	115.192	100.297	85.582	71.589	58.112	45.197
<b>112.5</b>	165.256	150.701	136.110	121.434	106.978	93.031	79.039	65.852	53.059	40.988
<b>115.0</b>	154.448	140.942	126.936	112.883	99.306	85.853	72.931	60.365	48.317	36.693
<b>117.5</b>	143.370	131.409	118.167	104.978	91.990	79.260	66.990	55.023	43.525	32.238
<b>120.0</b>	132.606	121.322	109.785	97.229	84.817	72.842	61.108	49.726	38.528	27.515
<b>122.5</b>	122.327	111.526	100.628	89.567	77.834	66.426	55.212	44.165	33.439	24.922
<b>125.0</b>	112.271	101.942	91.643	81.359	70.882	59.909	49.066	38.796	29.725	21.636
<b>127.5</b>	102.502	92.588	82.863	73.073	63.263	53.151	42.943	33.464	24.761	16.980
<b>130.0</b>	92.796	83.500	74.146	64.730	55.207	45.575	35.839	26.638	18.190	10.522
<b>132.5</b>	83.254	74.353	65.344	56.202	47.179	37.436	27.809	18.059	9.842	4.661
<b>135.0</b>	73.638	65.056	56.365	47.425	38.340	29.047	19.565	10.922	3.887	0.296
<b>137.5</b>	63.876	55.539	47.053	38.382	29.621	20.474	13.174	6.143	2.637	0.720
<b>140.0</b>	53.802	45.758	37.480	29.072	21.521	14.369	8.604	5.076	2.450	0.942
<b>142.5</b>	43.441	35.690	28.410	21.329	14.801	10.093	6.062	3.271	1.194	0.257
<b>145.0</b>	33.355	26.527	20.152	14.617	9.701	5.888	2.922	0.610	0.293	0.054
<b>147.5</b>	23.324	17.532	12.148	7.917	4.381	1.213	0.540	0.206	0.000	0.000
<b>150.0</b>	12.586	8.529	4.728	1.200	0.723	0.328	0.000	0.000	0.000	0.000
<b>152.5</b>	3.185	1.192	0.746	0.326	0.000	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.697	0.128	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.054	0.021	0.002	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

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

<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. Horizontal Angles**  
**Angles**

	<b>75.0</b>	<b>77.5</b>	<b>80.0</b>	<b>82.5</b>	<b>85.0</b>	<b>87.5</b>	<b>90.0</b>	<b>92.5</b>	<b>95.0</b>	<b>97.5</b>
<b>0.0</b>	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
<b>2.5</b>	484.162	483.444	482.723	482.001	481.278	480.556	480.197	479.095	478.367	477.647
<b>5.0</b>	486.106	484.656	483.203	481.749	480.298	478.853	477.379	475.918	474.470	473.038
<b>7.5</b>	487.334	485.145	482.954	480.767	478.588	476.395	474.195	472.015	469.858	467.729
<b>10.0</b>	487.819	484.887	481.960	479.043	476.163	473.197	470.281	467.396	464.547	461.741
<b>12.5</b>	487.538	483.867	480.209	476.569	472.919	469.264	465.613	462.079	458.560	455.057
<b>15.0</b>	486.472	482.072	477.695	473.464	468.955	464.609	460.318	456.388	451.854	447.679
<b>17.5</b>	483.396	478.261	473.116	468.132	463.111	458.185	454.025	448.572	443.912	439.383
<b>20.0</b>	479.013	473.116	467.675	461.445	455.705	450.407	444.500	439.062	433.772	428.497
<b>22.5</b>	473.768	467.124	460.492	453.916	447.475	441.088	434.848	429.502	422.697	416.823
<b>25.0</b>	467.640	460.247	452.818	445.538	438.343	431.282	424.382	417.525	410.875	404.415
<b>27.5</b>	460.619	452.400	444.269	436.261	428.366	421.449	412.988	405.545	398.316	391.314
<b>30.0</b>	452.641	443.649	434.832	426.090	417.568	408.992	400.837	392.835	385.083	377.552
<b>32.5</b>	443.785	434.068	424.363	415.078	405.801	396.742	387.963	379.454	371.147	363.093
<b>35.0</b>	434.255	423.829	413.548	403.393	393.419	383.748	374.416	365.332	356.509	348.060
<b>37.5</b>	423.780	412.668	401.738	390.947	380.449	370.266	360.292	350.602	341.321	332.468
<b>40.0</b>	412.292	400.608	389.009	377.699	366.695	355.913	345.410	335.303	325.603	316.646
<b>42.5</b>	399.914	387.552	375.459	363.639	352.065	340.755	329.813	319.283	309.520	300.251
<b>45.0</b>	386.513	374.032	361.056	348.711	336.604	324.834	313.472	302.871	292.788	283.332
<b>47.5</b>	372.246	358.882	345.798	332.909	320.334	308.146	296.690	285.775	275.476	265.854
<b>50.0</b>	357.045	343.259	329.615	316.269	303.268	290.956	279.199	268.053	257.603	247.805
<b>52.5</b>	343.382	327.523	312.578	298.788	285.634	273.041	261.048	249.755	239.724	229.241
<b>55.0</b>	329.281	312.978	296.824	281.158	267.262	254.435	242.295	230.821	220.119	210.134
<b>57.5</b>	314.321	297.504	281.114	265.173	249.699	235.193	222.885	211.363	200.620	190.589
<b>60.0</b>	298.375	281.321	264.683	248.447	232.745	217.650	203.330	191.454	180.980	171.237
<b>62.5</b>	281.681	264.406	247.453	230.974	215.983	199.866	185.533	172.912	161.117	152.071
<b>65.0</b>	264.224	246.624	229.426	212.837	196.632	181.496	167.173	154.299	142.857	133.815
<b>67.5</b>	245.852	228.006	210.558	193.751	177.714	163.453	148.708	136.285	125.216	115.414
<b>70.0</b>	226.602	208.483	190.941	174.117	158.661	143.358	129.945	117.861	107.104	97.405
<b>72.5</b>	206.369	188.162	170.611	153.824	138.191	123.804	110.576	99.013	88.543	79.218
<b>75.0</b>	185.293	167.091	149.577	133.127	117.806	103.730	91.109	79.891	69.997	61.912
<b>77.5</b>	167.021	145.288	128.071	111.874	96.852	83.348	71.406	60.956	52.490	46.225
<b>80.0</b>	149.958	127.980	105.910	89.996	75.660	63.028	52.043	43.233	37.029	32.630
<b>82.5</b>	133.701	112.060	89.923	67.856	54.687	43.197	34.089	27.963	24.101	22.171
<b>85.0</b>	118.353	97.123	75.755	54.662	34.320	24.996	18.970	15.657	14.726	15.030
<b>87.5</b>	104.074	83.565	63.133	43.225	24.996	9.994	7.243	7.351	8.994	9.439
<b>90.0</b>	91.109	71.406	52.043	34.089	18.970	7.243	0.000	2.995	4.708	5.228
<b>92.5</b>	79.439	60.662	43.031	27.872	15.638	7.347	2.995	0.002	1.737	2.291
<b>95.0</b>	69.012	51.969	36.623	23.963	14.686	8.977	4.708	1.747	0.009	0.545
<b>97.5</b>	60.172	45.148	32.140	22.011	14.916	9.397	5.228	2.310	0.565	0.003
<b>100.0</b>	53.365	40.072	28.988	20.749	14.032	8.688	4.612	1.690	0.248	0.011
<b>102.5</b>	47.637	35.793	26.384	18.543	12.077	6.884	2.817	0.497	0.037	0.000
<b>105.0</b>	42.188	31.702	22.840	15.324	9.072	3.928	0.745	0.068	0.000	0.000
<b>107.5</b>	36.895	26.804	18.333	11.093	4.899	0.983	0.100	0.000	0.000	0.000
<b>110.0</b>	33.126	21.474	12.844	5.700	1.199	0.120	0.000	0.000	0.000	0.000
<b>112.5</b>	29.314	18.029	7.000	1.372	0.114	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	25.377	14.300	5.986	1.052	0.000	0.000	0.000	0.000	0.000	0.000

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

117.5	21.165	12.878	7.050	3.335	0.759	0.000	0.000	0.000	0.000	0.000
120.0	19.246	12.538	7.554	3.780	1.259	0.217	0.000	0.000	0.000	0.000
122.5	17.490	11.426	6.455	2.785	0.776	0.039	0.002	0.000	0.000	0.000
125.0	14.643	8.606	3.887	1.170	0.078	0.005	0.000	0.000	0.000	0.000
127.5	10.035	4.703	1.287	0.108	0.004	0.000	0.000	0.000	0.000	0.000
130.0	5.009	0.997	0.126	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.309	0.126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.102	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	0.115	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	476.934	476.231	475.538	474.858	474.190	473.537	472.900	472.280	471.676	471.093
5.0	471.625	470.232	468.864	467.522	466.207	464.924	463.674	462.458	461.265	460.107
7.5	465.631	463.569	461.544	459.544	457.578	455.660	453.795	451.984	450.231	448.538
10.0	459.271	456.224	453.528	450.891	448.302	445.813	443.379	440.995	438.679	436.448
12.5	451.605	448.221	444.909	441.675	438.474	435.326	432.318	429.387	426.560	424.171
15.0	443.624	439.635	435.646	431.751	427.963	424.287	420.707	417.223	413.868	410.644
17.5	434.913	430.289	425.707	421.248	416.867	412.609	408.493	404.522	400.708	397.048
20.0	423.381	418.411	413.634	408.991	404.539	400.285	395.838	391.423	387.177	383.099
22.5	411.132	405.597	400.266	395.147	390.252	385.586	381.156	377.024	373.146	369.034
25.0	398.154	392.116	386.296	380.718	375.392	370.392	365.665	361.206	357.087	353.256
27.5	384.545	377.993	371.709	365.748	360.100	354.739	349.778	345.124	340.751	336.682
30.0	370.255	364.029	356.623	350.294	344.380	338.840	333.599	328.705	324.110	319.911
32.5	355.379	348.027	341.026	334.551	328.387	322.597	317.141	312.007	307.271	302.834
35.0	339.974	332.371	325.240	318.469	312.111	306.071	300.487	295.223	290.145	285.685
37.5	324.248	316.453	309.107	302.142	295.606	289.488	283.698	278.274	273.166	268.366
40.0	308.166	300.273	292.696	285.686	279.013	272.733	266.786	261.147	255.831	250.872
42.5	291.622	283.549	276.202	269.093	262.300	255.819	249.641	243.803	238.430	233.398
45.0	274.507	266.365	258.841	251.918	245.366	238.657	232.379	226.499	221.028	215.978
47.5	256.893	248.611	240.923	233.812	227.830	221.365	215.715	209.206	203.662	198.692
50.0	238.740	230.281	222.453	215.287	208.796	202.919	197.568	191.993	186.435	181.567
52.5	220.018	211.459	203.709	196.594	190.294	184.725	179.250	174.482	169.620	165.083
55.0	200.838	192.514	184.648	178.094	171.842	166.158	161.020	156.428	152.427	148.001
57.5	181.694	173.547	166.310	159.648	153.478	147.926	142.868	138.539	134.635	131.269
60.0	162.634	154.924	147.851	141.239	135.203	129.825	125.080	120.981	117.272	114.211
62.5	143.907	136.431	129.388	122.852	117.192	112.308	107.818	103.962	100.728	97.784

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

65.0	125.361	117.885	110.863	104.954	99.642	95.122	91.248	87.788	84.830	81.769
67.5	106.708	99.799	93.084	87.630	82.861	79.009	75.487	72.473	69.674	67.069
70.0	88.660	81.552	75.986	71.572	67.200	63.739	60.658	57.953	55.297	52.823
72.5	71.548	65.243	59.726	55.776	52.430	49.366	46.759	44.160	41.619	39.017
75.0	55.374	50.266	45.720	41.498	38.585	36.028	33.515	30.960	28.309	26.555
77.5	41.320	37.569	34.088	29.862	25.696	23.301	20.783	18.127	17.720	17.598
80.0	29.756	27.475	24.339	20.364	15.558	11.021	8.302	9.693	10.436	10.330
82.5	21.160	19.170	16.231	12.366	7.405	1.805	2.286	4.327	5.382	4.820
85.0	14.237	12.402	9.559	5.581	1.381	0.351	0.000	1.191	1.912	1.447
87.5	8.764	7.008	4.092	1.037	0.191	0.000	0.000	0.000	0.321	0.050
90.0	4.612	2.817	0.745	0.099	0.000	0.000	0.000	0.000	0.000	0.002
92.5	1.658	0.484	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.239	0.026	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	470.529	469.986	469.466	468.967	468.464	468.044	467.619	467.221	466.848	466.504
5.0	458.991	457.919	456.891	455.878	454.977	454.094	453.261	452.480	451.753	451.081
7.5	446.908	445.343	444.388	442.400	441.032	439.740	438.525	437.390	436.336	435.363
10.0	434.305	432.252	430.293	428.429	426.664	424.984	423.404	421.929	420.563	419.306



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

12.5	421.192	418.665	416.257	413.971	411.810	409.776	408.105	406.090	404.441	402.927
15.0	407.556	404.608	401.799	399.135	396.618	394.252	392.037	389.977	388.112	386.409
17.5	393.545	390.200	387.019	384.058	381.270	378.654	376.211	373.946	371.859	369.968
20.0	379.291	375.640	372.175	368.897	365.841	362.980	360.311	357.836	355.557	354.042
22.5	364.850	360.913	357.176	353.641	350.312	347.167	344.228	341.496	338.976	336.669
25.0	349.688	346.040	341.994	338.161	334.542	331.147	327.998	325.075	322.383	319.926
27.5	332.739	329.395	326.190	322.566	318.717	315.107	311.738	308.615	305.740	303.117
30.0	315.877	312.226	308.868	305.805	302.789	298.955	295.586	292.067	289.020	286.241
32.5	298.707	294.897	291.389	288.012	285.290	282.702	278.932	275.462	272.289	269.383
35.0	281.394	277.412	273.750	270.413	267.445	264.821	262.524	259.474	255.648	252.673
37.5	263.893	259.763	256.040	252.649	249.611	246.981	244.690	242.516	239.191	236.195
40.0	246.336	242.139	238.349	234.943	231.884	229.292	226.897	225.243	223.038	219.893
42.5	228.794	224.576	220.737	217.410	214.440	211.836	209.590	207.685	206.323	203.657
45.0	211.317	207.181	203.403	200.040	197.038	194.375	192.208	190.398	188.941	187.648
47.5	194.084	189.940	186.165	182.779	179.860	177.289	175.110	173.299	171.833	170.732
50.0	177.022	172.861	169.168	165.817	162.916	160.355	158.162	156.369	154.889	153.748
52.5	160.180	156.047	152.399	149.085	146.206	143.528	141.503	139.728	138.265	137.120
55.0	143.568	139.516	135.926	132.746	129.877	127.411	125.233	123.325	121.885	120.650
57.5	127.266	123.447	119.910	116.781	113.918	111.464	109.268	107.395	105.888	104.654
60.0	111.404	107.782	104.277	101.211	98.399	95.930	93.774	91.861	90.234	88.878
62.5	95.097	92.529	89.170	86.116	83.376	80.850	78.570	76.528	74.721	73.199
65.0	79.514	77.100	74.563	71.491	68.631	65.973	63.477	61.240	59.198	57.420
67.5	64.632	62.262	59.933	57.078	53.986	51.098	48.317	45.768	43.470	41.393
70.0	50.314	47.800	45.451	42.647	39.259	36.001	32.933	30.055	27.603	26.137
72.5	36.519	34.784	32.239	28.610	24.299	20.691	17.673	16.128	14.323	13.691
75.0	25.486	23.500	20.289	15.815	10.047	7.727	6.032	6.736	6.393	5.315
77.5	16.284	13.775	9.805	5.786	1.831	0.374	1.915	2.237	1.527	0.526
80.0	8.684	5.608	2.884	0.245	0.104	0.000	0.250	0.186	0.140	0.000
82.5	3.131	1.052	0.133	0.009	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.122	0.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.019	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

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

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

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	466.188	465.899	465.640	465.410	465.210	465.040	464.900	464.790	464.711	464.664
5.0	450.464	449.903	449.400	448.954	448.567	448.238	447.970	447.762	447.614	447.525
7.5	434.473	433.667	432.947	432.313	431.765	431.305	430.907	430.647	430.450	430.341
10.0	418.159	417.124	416.203	415.395	414.702	414.122	413.659	413.311	413.078	412.960
12.5	401.544	400.307	399.204	398.240	397.416	396.732	396.188	395.786	395.524	395.403
15.0	384.863	383.477	382.252	381.188	380.285	379.545	378.967	378.551	378.296	378.203
17.5	368.214	366.723	365.371	364.201	363.214	362.409	361.787	361.348	361.091	361.017
20.0	351.551	349.833	348.316	347.000	345.870	344.980	344.277	343.781	343.489	343.404
22.5	334.593	332.746	331.119	329.713	328.531	327.572	326.837	326.327	326.041	325.980
25.0	317.976	315.719	313.974	312.470	311.209	310.191	309.417	308.886	308.600	308.559
27.5	300.748	298.636	296.781	295.187	293.854	292.782	291.975	291.430	291.149	291.129
30.0	283.734	281.509	279.579	277.925	276.549	275.450	274.631	274.090	273.828	273.845
32.5	266.795	264.482	262.492	260.795	259.387	258.271	257.447	256.915	256.676	256.730
35.0	249.995	247.617	245.586	243.879	242.466	241.352	240.536	240.021	239.808	239.896
37.5	233.495	231.095	229.000	227.216	225.748	224.597	223.765	223.253	223.060	223.187
40.0	217.067	214.517	212.694	210.619	209.159	208.019	207.200	206.706	206.538	206.696
42.5	200.835	198.332	196.150	194.301	192.779	191.588	190.729	190.207	190.025	190.183
45.0	184.806	182.209	179.866	178.007	176.407	175.146	174.227	173.656	173.436	173.571
47.5	168.841	166.063	163.765	161.762	160.141	158.865	157.940	157.371	157.159	157.310
50.0	153.013	150.305	147.902	145.843	144.127	142.764	141.763	141.130	140.867	140.983
52.5	136.312	134.604	132.079	130.152	128.165	126.771	125.734	125.033	124.770	124.856
55.0	119.802	119.128	116.571	114.355	112.510	111.030	109.919	109.189	108.844	108.892
57.5	103.720	103.103	101.249	98.928	96.976	95.375	94.205	93.406	93.005	93.012
60.0	87.812	87.055	86.003	83.563	81.471	79.749	78.430	77.523	77.035	76.974
62.5	72.070	71.019	70.421	68.048	65.776	63.862	62.376	61.329	60.729	60.584
65.0	55.981	54.786	53.947	52.190	49.711	47.596	45.941	44.752	44.041	43.817
67.5	39.670	38.437	37.364	35.948	33.782	30.840	28.937	27.495	26.653	26.330
70.0	24.540	23.057	21.321	18.949	16.007	14.253	12.709	11.413	10.420	9.783
72.5	12.240	10.031	7.933	5.262	2.590	2.501	2.533	2.318	1.946	1.507
75.0	3.576	1.029	0.790	0.483	0.155	0.092	0.123	0.125	0.106	0.074
77.5	0.346	0.061	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	464.646	464.660	464.705	464.682	464.690	464.729	464.798	464.898	465.029	465.190
5.0	447.497	447.530	447.622	447.573	447.583	447.653	447.785	447.975	448.225	448.535
7.5	430.319	430.386	430.540	430.452	430.451	430.536	430.709	430.971	431.318	431.754
10.0	412.957	413.068	413.293	413.154	413.128	413.217	413.420	413.738	414.170	414.716
12.5	395.422	395.580	395.878	395.691	395.644	395.735	395.989	396.336	396.845	397.493
15.0	378.269	378.495	378.879	378.630	378.539	378.606	378.832	379.219	379.766	380.473
17.5	361.124	361.413	361.879	361.553	361.406	361.460	361.657	362.056	362.666	363.407
20.0	343.525	343.851	344.382	344.001	343.824	343.853	344.089	344.530	345.178	346.033
22.5	326.142	326.528	327.135	326.676	326.441	326.428	326.642	327.081	327.747	328.639
25.0	308.760	309.202	309.886	309.368	309.090	309.054	309.260	309.709	310.400	311.333
27.5	291.313	291.876	292.639	292.063	291.745	291.689	291.892	292.356	293.079	294.063
30.0	274.139	274.711	275.556	274.891	274.556	274.392	274.561	275.011	275.745	276.761
32.5	257.076	257.713	258.639	257.896	257.442	257.280	257.411	257.835	258.555	259.569
35.0	240.287	240.979	241.972	241.151	240.632	240.416	240.505	240.901	241.602	242.611
37.5	223.631	224.393	225.470	224.579	224.004	223.745	223.802	224.177	224.869	225.877
40.0	207.182	207.995	209.134	208.179	207.551	207.251	207.280	207.639	208.325	209.340
42.5	190.684	191.528	192.715	191.709	191.046	190.773	190.754	191.123	191.897	192.887
45.0	174.064	174.916	176.130	175.093	174.417	174.102	174.148	174.550	175.307	176.416

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

47.5	157.826	158.710	159.960	158.887	158.181	157.842	157.870	158.261	159.011	160.120
50.0	141.479	142.358	143.624	142.536	141.833	141.516	141.580	142.022	142.837	144.022
52.5	125.328	126.193	127.454	126.370	125.683	125.388	125.481	125.956	126.807	128.028
55.0	109.340	110.192	111.450	110.367	109.693	109.423	109.553	110.078	110.991	112.286
57.5	93.432	94.269	95.528	94.442	93.776	93.530	93.700	94.279	95.262	96.641
60.0	77.349	78.161	79.417	78.329	77.686	77.484	77.716	78.378	79.462	80.963
62.5	60.902	61.684	62.939	61.860	61.250	61.107	61.426	62.197	63.416	65.072
65.0	44.082	44.787	46.105	45.003	44.403	44.301	44.696	45.583	46.955	48.807
67.5	26.534	27.273	28.551	27.439	26.867	26.835	27.337	28.367	29.917	31.979
70.0	9.562	9.806	10.573	9.939	9.767	10.110	10.885	12.044	13.538	15.319
72.5	1.100	0.818	0.763	0.820	1.113	1.553	2.053	2.526	2.889	3.064
75.0	0.040	0.012	0.000	0.012	0.040	0.074	0.106	0.125	0.123	0.092
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	465.381	465.602	465.851	466.131	466.438	466.774	467.137	467.527	467.943	468.385
5.0	448.903	449.333	449.816	450.359	450.958	451.612	452.321	453.083	453.897	454.763
7.5	432.276	432.883	433.577	434.355	435.217	436.162	437.188	438.295	439.480	440.742
10.0	415.377	416.152	417.039	418.039	419.150	420.371	421.702	423.169	424.684	426.331
12.5	398.308	399.205	400.267	401.467	402.800	404.268	405.868	407.599	409.691	411.445
15.0	381.340	382.367	383.553	384.897	386.400	388.058	389.870	391.841	393.997	396.303
17.5	364.359	365.509	366.818	368.323	370.012	371.882	373.934	376.144	378.529	381.086
20.0	347.093	348.359	349.828	351.500	353.373	355.022	357.704	360.158	362.813	365.666
22.5	329.759	331.106	332.681	334.480	336.505	338.755	341.231	343.934	346.826	349.940
25.0	312.508	313.926	315.580	317.474	319.876	322.009	324.659	327.550	330.678	334.041
27.5	295.306	296.807	298.564	300.575	302.843	305.369	308.145	311.221	314.434	317.976
30.0	278.062	279.647	281.515	283.666	286.075	288.745	291.680	294.876	298.536	302.055
32.5	260.878	262.482	264.378	266.569	269.111	271.952	275.089	278.529	282.206	286.124
35.0	243.925	245.544	247.467	249.715	252.302	255.194	258.386	262.440	265.759	268.289
37.5	227.200	228.839	230.788	233.085	235.714	238.657	241.909	245.490	247.854	250.514
40.0	210.680	212.343	214.628	216.675	219.345	222.335	225.637	228.050	230.139	232.575
42.5	194.277	196.023	198.057	200.451	203.174	206.220	209.106	210.593	212.631	215.190
45.0	177.873	179.671	181.810	184.290	187.107	190.253	191.664	193.319	195.329	197.692
47.5	161.579	163.388	165.588	168.170	171.090	173.186	174.589	176.156	178.180	180.613
50.0	145.570	147.475	149.725	152.321	155.273	156.101	157.421	159.110	161.134	163.559
52.5	129.610	131.787	133.905	136.626	138.508	139.471	140.763	142.370	144.289	146.738
55.0	113.952	115.987	118.396	121.149	121.967	122.970	124.365	126.054	128.047	130.366
57.5	98.408	100.554	103.067	105.090	105.829	106.902	108.297	109.985	112.042	114.422
60.0	82.868	85.151	87.790	88.980	89.853	91.043	92.539	94.324	96.425	98.797
62.5	67.155	69.606	72.161	72.876	74.040	75.290	76.935	78.871	81.078	83.543
65.0	51.125	53.788	55.676	56.607	57.911	59.467	61.360	63.517	65.883	68.509
67.5	35.078	37.444	38.955	40.168	41.572	43.404	45.608	48.029	50.687	53.582
70.0	17.349	20.417	22.684	24.459	25.949	27.794	29.629	32.249	35.285	38.492
72.5	3.413	6.259	8.973	11.086	13.258	14.732	15.495	17.715	19.903	23.087
75.0	0.218	0.759	1.241	1.618	4.202	5.940	7.022	7.496	7.047	9.380
77.5	0.000	0.000	0.000	0.096	0.544	0.825	1.845	2.507	2.202	0.941
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.221	0.292	0.297	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

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

**Vert. Horizontal Angles**

	<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	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	468.850	469.349	469.854	470.390	470.946	471.523	472.119	472.733	473.364	474.012
5.0	455.679	456.643	457.653	458.710	459.809	460.950	462.130	463.346	464.584	465.855
7.5	442.080	443.491	445.524	446.517	448.123	449.790	451.519	453.305	455.148	457.042
10.0	428.077	429.900	431.818	433.830	435.932	438.120	440.394	442.749	445.171	447.644
12.5	413.560	415.799	418.159	420.639	423.235	426.278	428.722	431.597	434.573	437.643
15.0	398.755	401.352	404.091	406.966	410.013	413.157	416.456	419.881	423.431	427.064
17.5	383.813	386.705	389.763	393.026	396.443	400.013	403.731	407.606	411.653	415.842
20.0	368.715	371.952	375.344	378.916	382.666	386.591	390.718	395.022	399.485	403.972
22.5	353.260	356.796	360.544	364.500	368.662	372.973	377.181	381.147	385.356	389.883
25.0	337.629	341.438	345.466	349.706	353.586	357.402	361.488	365.822	370.372	375.182
27.5	321.816	325.904	329.767	333.186	336.900	340.917	345.238	349.889	354.827	360.040
30.0	306.035	309.181	312.390	315.997	319.899	324.190	328.653	333.536	338.741	344.292
32.5	288.825	291.846	295.181	298.812	302.737	307.083	311.796	316.811	322.275	328.093
35.0	271.344	274.355	277.823	281.629	285.858	290.158	294.862	300.013	305.576	311.473
37.5	253.174	256.476	260.156	264.187	268.493	273.137	278.103	283.310	288.819	294.879
40.0	235.395	238.671	242.306	246.366	250.897	255.786	260.969	266.494	272.300	278.325
42.5	217.837	221.053	224.618	228.704	233.181	238.089	243.662	249.283	255.355	261.789
45.0	200.500	203.657	207.210	211.237	215.614	220.548	225.894	231.735	238.057	244.720
47.5	183.356	186.485	190.048	193.999	198.349	203.203	208.412	214.276	221.137	227.231
50.0	166.357	169.503	173.071	176.983	181.343	186.093	191.303	196.986	202.805	208.403
52.5	149.513	152.669	156.314	160.163	164.521	169.794	174.409	179.459	184.334	189.906
55.0	132.969	136.100	139.609	143.519	147.862	152.575	157.184	161.294	166.007	171.262
57.5	117.067	120.067	123.325	127.184	131.397	135.697	139.223	143.253	147.723	152.919
60.0	101.486	104.505	107.773	111.405	115.164	118.242	121.566	125.453	129.734	134.650
62.5	86.294	89.295	92.598	96.188	98.777	101.448	104.558	108.089	112.176	116.895
65.0	71.366	74.447	77.797	80.522	82.999	85.525	88.392	91.436	95.210	99.369
67.5	56.604	59.844	62.879	65.308	67.811	70.361	73.034	76.108	79.015	82.824
70.0	41.851	45.511	48.089	50.524	53.143	55.781	58.392	61.133	63.929	67.156
72.5	26.894	31.101	34.497	37.050	39.035	41.642	44.372	47.052	49.950	52.469
75.0	12.371	18.028	22.422	25.339	27.246	28.695	30.737	33.525	36.221	38.860
77.5	2.840	7.346	11.562	15.395	17.701	18.840	19.412	20.368	23.173	25.834

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

80.0	0.336	0.793	3.856	6.947	9.862	11.321	11.197	10.880	10.472	13.243
82.5	0.000	0.028	0.431	1.604	3.939	5.573	5.945	4.662	2.940	3.565
85.0	0.000	0.000	0.000	0.196	0.396	1.857	2.253	1.326	0.000	0.692
87.5	0.000	0.000	0.000	0.000	0.063	0.159	0.423	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	474.673	475.349	476.036	476.736	477.444	478.161	478.885	479.615	480.718	481.078
5.0	467.158	468.489	469.846	471.229	472.634	474.057	475.498	476.953	478.420	479.896
7.5	458.986	460.976	462.999	465.052	467.129	469.245	471.390	473.559	475.750	477.958
10.0	450.185	452.790	455.456	458.178	461.247	463.744	466.574	469.443	472.345	475.276
12.5	440.804	444.038	447.309	450.654	454.067	457.544	461.071	464.620	468.216	471.864
15.0	430.782	434.606	438.531	442.546	446.572	450.679	454.858	459.412	463.377	467.700
17.5	420.166	424.605	429.100	433.710	438.355	442.854	447.419	452.109	457.584	461.785
20.0	408.297	412.825	417.537	422.398	427.368	432.504	437.793	443.122	448.596	454.607
22.5	394.536	399.459	404.651	410.057	415.664	421.386	427.273	434.074	439.467	445.746
25.0	380.253	385.610	391.209	397.056	403.176	409.514	416.017	422.672	429.524	436.464

**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

27.5	365.485	371.208	377.218	383.514	390.066	396.904	404.047	411.272	418.708	427.140
30.0	350.147	356.281	362.685	370.148	376.388	383.674	391.243	399.084	407.147	415.376
32.5	334.255	340.764	347.590	354.697	362.112	369.841	377.871	386.192	394.795	403.635
35.0	317.932	324.743	331.915	339.448	347.257	355.402	363.872	372.655	381.736	391.148
37.5	301.324	308.370	315.758	323.610	331.819	340.367	349.243	358.477	368.080	378.038
40.0	284.724	291.746	299.126	307.299	315.768	324.591	333.859	343.545	353.638	364.099
42.5	268.375	275.223	282.605	290.265	298.845	308.037	317.841	327.829	338.372	349.333
45.0	251.717	258.397	265.303	272.975	281.450	290.750	300.785	311.304	322.305	333.711
47.5	234.095	240.265	247.596	255.316	263.725	273.042	283.125	294.011	305.394	317.266
50.0	214.607	221.499	228.975	237.069	245.660	254.875	265.051	275.959	287.703	299.947
52.5	195.748	202.370	209.911	218.044	226.912	236.362	247.059	257.476	269.239	281.833
55.0	177.035	183.520	190.612	198.723	207.487	217.138	227.433	238.419	250.303	263.068
57.5	158.617	164.868	171.708	179.330	187.931	197.306	207.743	218.868	230.756	243.501
60.0	140.203	146.410	153.108	160.300	168.438	177.520	187.781	198.704	210.989	225.509
62.5	121.980	127.858	134.583	141.735	149.274	158.156	167.461	179.713	192.592	207.189
65.0	104.134	109.697	115.877	123.110	130.717	139.200	148.628	160.390	173.556	188.190
67.5	87.001	92.039	97.782	104.835	111.965	120.710	130.421	141.761	154.452	169.472
70.0	70.885	75.629	80.319	86.207	93.558	102.410	112.139	122.842	135.134	148.760
72.5	55.722	59.347	63.660	69.379	75.898	83.816	93.264	103.781	115.467	128.709
75.0	41.529	44.660	49.009	53.783	59.371	65.937	74.300	84.488	95.610	108.257
77.5	28.363	32.533	36.771	40.303	44.386	49.614	56.194	64.971	75.567	87.581
80.0	17.846	22.635	26.553	29.655	31.932	35.246	40.050	46.623	55.773	66.911
82.5	9.294	14.257	18.078	20.935	22.848	23.795	26.273	30.621	37.168	46.645
85.0	2.729	7.111	11.061	13.929	15.557	16.232	15.802	17.390	21.270	27.765
87.5	0.378	2.049	5.280	8.131	9.783	10.318	9.714	7.887	8.544	11.941
90.0	0.000	0.197	1.471	3.656	5.358	5.839	5.147	3.236	0.000	8.544
92.5	0.000	0.000	0.102	0.957	2.160	2.662	1.939	0.000	3.236	7.882
95.0	0.000	0.000	0.000	0.052	0.472	0.710	0.000	1.951	5.147	9.697
97.5	0.000	0.000	0.000	0.000	0.017	0.000	0.735	2.684	5.839	10.275
100.0	0.000	0.000	0.000	0.000	0.000	0.021	0.490	2.195	5.358	9.702
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.073	0.982	3.656	8.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	1.471	5.079
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.196	1.944
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.237
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	0.293
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.125
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

<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. 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>	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
<b>2.5</b>	481.799	482.521	483.241	483.958	484.671	485.380	486.081	486.774	487.457	488.130
<b>5.0</b>	481.342	482.792	484.243	485.691	487.133	488.567	489.990	491.399	492.791	494.162
<b>7.5</b>	480.154	482.335	484.521	486.707	488.889	491.062	493.223	495.876	497.427	499.442
<b>10.0</b>	478.252	481.137	484.056	486.981	489.907	492.829	495.717	498.512	501.282	504.023
<b>12.5</b>	475.524	479.186	482.833	486.494	490.164	494.356	497.405	500.957	504.464	507.952
<b>15.0</b>	472.071	476.600	480.846	485.233	489.637	494.041	498.346	502.642	506.921	511.116
<b>17.5</b>	466.744	471.792	476.872	481.996	487.116	492.294	497.373	502.473	507.583	512.441
<b>20.0</b>	459.866	465.637	471.887	477.364	483.291	489.338	495.116	500.986	506.857	512.397
<b>22.5</b>	452.167	458.640	465.239	471.903	478.595	485.404	492.011	498.639	505.249	511.539
<b>25.0</b>	443.567	450.799	458.104	465.550	473.004	480.555	488.034	495.400	502.789	509.817
<b>27.5</b>	434.146	442.059	450.099	458.247	466.501	474.797	483.220	491.245	499.956	507.190
<b>30.0</b>	423.832	432.414	441.209	450.047	459.047	468.090	477.255	486.161	495.030	503.626
<b>32.5</b>	412.662	421.916	431.341	441.022	450.747	460.623	470.528	480.405	489.975	499.447
<b>35.0</b>	400.850	410.768	420.922	431.285	441.763	452.334	462.957	473.681	483.998	494.322
<b>37.5</b>	388.314	398.936	409.598	420.582	431.887	443.040	454.430	465.765	477.044	487.983
<b>40.0</b>	374.913	386.041	397.386	408.961	420.769	432.802	444.787	456.858	468.968	480.611
<b>42.5</b>	360.654	372.317	384.292	396.416	408.794	421.421	434.150	446.925	459.613	472.243
<b>45.0</b>	345.536	357.714	370.206	383.376	395.875	409.108	422.461	435.826	449.263	462.590
<b>47.5</b>	329.533	342.209	355.234	368.523	382.082	395.685	409.587	423.979	438.838	453.642
<b>50.0</b>	312.683	325.800	339.301	353.154	367.194	382.069	397.427	413.004	428.632	444.173
<b>52.5</b>	294.927	308.505	322.453	337.432	353.236	369.115	385.039	401.057	417.249	433.352
<b>55.0</b>	276.360	290.671	306.385	322.415	338.663	355.132	371.673	388.130	404.720	421.472
<b>57.5</b>	258.270	273.968	290.013	306.411	323.185	340.089	357.150	374.742	391.212	408.291
<b>60.0</b>	240.757	256.591	272.923	289.593	306.641	324.102	341.596	359.168	376.762	394.148
<b>62.5</b>	223.570	238.632	255.152	272.114	289.306	306.962	324.999	343.053	361.047	378.998
<b>65.0</b>	203.691	220.116	236.721	253.855	271.283	289.036	307.250	325.779	344.314	362.642
<b>67.5</b>	184.051	200.420	217.530	234.926	252.589	270.468	288.656	307.362	326.557	347.323
<b>70.0</b>	164.286	180.100	197.288	215.142	233.135	251.232	269.485	288.919	309.451	329.415
<b>72.5</b>	143.251	159.059	176.243	194.188	212.703	231.219	251.286	271.884	292.157	312.221
<b>75.0</b>	122.428	137.844	154.420	172.369	190.997	212.658	234.128	254.779	275.006	294.840
<b>77.5</b>	101.152	116.208	132.439	149.747	172.259	194.822	216.680	237.609	257.814	277.561
<b>80.0</b>	79.626	94.071	109.953	132.323	154.784	177.238	199.102	220.263	240.573	260.253
<b>82.5</b>	58.292	71.657	93.993	116.382	138.408	160.131	181.827	202.918	223.321	242.944
<b>85.0</b>	37.520	58.264	79.718	101.422	122.971	144.170	165.076	185.949	206.202	225.782
<b>87.5</b>	27.765	46.674	67.016	87.797	108.600	129.240	149.536	169.549	189.551	208.902
<b>90.0</b>	21.270	37.168	55.773	75.567	95.610	115.326	135.134	154.452	173.556	192.592
<b>92.5</b>	17.366	30.525	46.414	64.666	83.840	103.102	121.981	140.622	158.881	177.061
<b>95.0</b>	15.757	26.111	39.623	55.427	73.282	91.775	110.241	128.124	145.686	163.931
<b>97.5</b>	16.113	23.616	34.702	48.487	64.138	81.556	99.322	117.013	134.483	152.648
<b>100.0</b>	15.344	22.419	31.111	43.037	57.036	72.713	89.428	106.705	124.449	142.121
<b>102.5</b>	13.493	20.286	28.518	38.429	51.000	65.188	80.722	97.609	114.701	132.060
<b>105.0</b>	10.553	17.138	24.876	34.285	45.315	58.632	73.569	89.307	105.632	122.110
<b>107.5</b>	6.396	12.935	20.534	29.384	39.879	53.134	67.229	81.844	97.308	113.048
<b>110.0</b>	2.368	7.515	15.036	24.027	35.938	48.259	61.473	75.270	89.647	104.659
<b>112.5</b>	0.224	2.711	9.100	20.418	31.973	43.904	56.208	69.246	82.673	96.823

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

115.0	0.000	1.175	7.444	16.502	27.858	39.445	51.330	63.601	76.370	89.449
117.5	0.854	3.498	7.526	14.442	23.460	34.800	46.357	58.127	70.305	82.763
120.0	1.553	4.268	8.244	13.418	20.924	29.894	41.164	52.621	64.274	76.229
122.5	1.065	3.445	7.326	12.516	18.768	26.739	35.865	46.863	58.151	69.631
125.0	0.251	1.643	4.842	9.848	16.036	23.307	31.726	41.258	51.815	62.884
127.5	0.014	0.349	1.897	5.906	11.631	18.839	26.817	35.715	45.524	55.940
130.0	0.000	0.000	0.407	1.679	6.377	12.452	20.393	29.072	38.459	48.244
132.5	0.000	0.000	0.000	0.407	1.000	6.089	12.079	20.576	30.410	39.992
135.0	0.000	0.000	0.000	0.000	0.331	0.959	5.232	12.990	21.933	31.464
137.5	0.000	0.000	0.000	0.000	0.000	0.880	3.251	7.207	14.851	22.680
140.0	0.000	0.000	0.000	0.028	0.179	1.087	2.709	5.667	9.529	15.710
142.5	0.000	0.000	0.000	0.000	0.125	0.398	1.463	3.679	6.664	10.974
145.0	0.000	0.000	0.000	0.000	0.000	0.085	0.461	0.958	3.421	6.568
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.850	1.734
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.517
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>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
2.5	488.790	489.436	490.067	490.682	491.279	491.857	492.432	492.953	493.468	493.959
5.0	495.510	496.827	498.066	499.275	500.449	501.588	502.689	503.749	504.764	505.734
7.5	501.425	503.374	505.282	507.146	508.961	510.722	512.416	513.956	515.444	516.845
10.0	506.726	509.387	511.970	514.364	516.698	518.967	521.166	523.288	525.326	527.258
12.5	511.370	514.554	517.686	520.757	523.759	526.664	529.266	531.783	534.209	536.535
15.0	515.060	518.958	522.802	526.526	529.906	533.209	536.427	539.547	542.428	545.162
17.5	517.218	521.970	526.529	530.795	535.000	539.131	542.863	546.405	549.837	553.328
20.0	517.937	523.411	528.459	533.464	538.384	542.957	547.454	552.215	556.069	560.162
22.5	517.846	523.891	529.691	535.461	540.835	546.106	551.281	556.239	561.103	565.835
25.0	516.882	523.583	530.143	536.517	542.543	548.916	554.237	559.864	565.354	570.679
27.5	514.995	522.418	529.736	536.705	543.430	550.000	556.350	562.618	568.680	575.170
30.0	512.145	520.335	528.397	536.012	543.421	550.555	557.547	564.358	571.054	577.393
32.5	508.680	517.705	526.517	534.954	543.185	551.028	558.742	566.107	573.364	580.019
35.0	504.207	514.062	523.585	532.887	541.945	550.592	559.109	567.158	575.041	582.437
37.5	498.701	509.333	519.558	529.720	539.569	549.075	558.816	567.117	575.679	583.797
40.0	492.164	503.364	514.411	525.930	535.973	546.398	556.389	565.904	575.178	583.966
42.5	484.400	496.350	508.134	519.650	531.099	543.086	554.247	565.077	575.588	585.449
45.0	475.724	489.211	502.372	515.377	528.292	540.999	553.203	565.050	576.347	587.229
47.5	468.413	482.519	496.518	510.442	523.975	537.432	550.735	563.354	575.530	587.431
50.0	459.460	474.539	489.980	503.876	518.250	532.448	546.457	559.975	573.133	585.856
52.5	449.406	465.191	480.604	495.904	511.112	525.835	540.489	555.101	568.856	579.838
55.0	437.999	454.415	470.672	486.440	502.177	517.837	532.594	545.543	557.669	568.725
57.5	425.470	442.417	459.108	475.603	491.674	506.387	520.276	533.307	545.525	556.671
60.0	411.622	429.099	446.439	462.725	478.327	493.232	507.272	520.356	532.632	544.080

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL48L-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>62.5</b>	396.782	414.525	431.844	448.582	464.380	479.392	493.619	506.930	519.180	530.661
<b>65.0</b>	381.196	399.190	416.656	433.514	449.718	465.042	479.375	492.843	505.322	516.711
<b>67.5</b>	365.176	383.362	400.914	417.947	434.264	449.873	464.619	478.220	490.882	503.460
<b>70.0</b>	348.712	367.098	384.770	401.802	418.304	434.008	448.969	463.040	476.934	490.862
<b>72.5</b>	331.645	350.381	368.223	385.332	401.763	417.642	432.684	447.968	463.191	477.379
<b>75.0</b>	314.339	333.155	351.267	368.506	384.974	400.727	416.877	433.119	449.161	463.010
<b>77.5</b>	296.875	315.723	333.868	351.488	367.849	384.516	401.483	417.789	433.305	447.893
<b>80.0</b>	279.459	298.175	316.309	333.727	351.104	368.930	385.975	402.146	417.620	432.603
<b>82.5</b>	262.025	280.621	298.676	316.559	335.248	353.048	370.146	386.426	401.762	416.349
<b>85.0</b>	244.662	263.059	281.258	300.693	319.330	337.192	354.184	370.396	385.798	400.350
<b>87.5</b>	227.592	245.681	265.550	285.421	303.456	321.242	338.210	354.351	369.696	384.211
<b>90.0</b>	210.989	230.756	250.303	269.239	287.703	305.394	322.305	338.372	353.638	368.080
<b>92.5</b>	196.676	216.460	235.647	254.233	272.147	289.724	306.527	322.531	337.719	352.093
<b>95.0</b>	183.382	202.711	221.631	239.896	257.464	274.464	290.974	306.886	322.001	336.263
<b>97.5</b>	171.150	189.635	208.078	226.175	243.528	260.734	276.133	291.488	306.525	320.485
<b>100.0</b>	159.645	177.329	195.190	212.779	230.050	246.585	262.217	277.196	291.370	304.800
<b>102.5</b>	149.121	165.955	183.070	200.026	216.893	233.275	249.038	263.846	276.900	289.800
<b>105.0</b>	138.921	155.434	171.713	188.053	204.046	220.276	236.231	249.912	262.983	275.420
<b>107.5</b>	129.019	145.129	161.013	176.745	192.253	207.758	222.439	235.776	248.674	261.071
<b>110.0</b>	119.806	135.285	150.656	165.936	180.980	195.816	208.930	221.755	234.292	246.532
<b>112.5</b>	111.291	125.982	140.823	155.522	170.147	183.376	195.928	208.186	220.292	232.076
<b>115.0</b>	103.231	116.913	131.411	145.596	159.129	171.307	183.362	195.116	206.767	218.063
<b>117.5</b>	95.613	108.801	122.319	135.794	147.749	159.538	171.133	182.495	193.661	204.504
<b>120.0</b>	88.394	100.908	113.514	125.190	136.588	147.973	159.156	170.139	180.878	191.330
<b>122.5</b>	81.287	93.201	104.272	115.054	125.782	136.674	147.364	157.970	168.328	178.432
<b>125.0</b>	74.104	84.737	95.043	105.324	115.581	125.769	135.872	146.021	155.942	165.600
<b>127.5</b>	66.186	75.944	85.935	95.713	105.536	115.259	124.903	134.253	144.020	153.101
<b>130.0</b>	57.777	67.428	76.896	86.290	95.619	105.314	114.048	123.134	132.074	140.861
<b>132.5</b>	49.694	58.710	67.843	76.875	85.797	94.616	103.334	111.906	120.401	128.779
<b>135.0</b>	40.756	49.803	58.711	67.393	75.963	84.406	92.715	101.172	108.921	116.795
<b>137.5</b>	31.716	40.639	49.288	57.741	66.047	74.124	82.067	89.861	97.498	104.968
<b>140.0</b>	23.301	31.153	39.568	47.837	55.854	63.662	71.319	78.761	85.856	93.120
<b>142.5</b>	15.917	22.768	30.146	37.634	45.370	52.946	60.334	67.454	74.405	80.978
<b>145.0</b>	10.526	15.698	21.314	27.971	34.987	42.020	49.029	55.883	62.558	67.550
<b>147.5</b>	5.092	8.836	13.267	18.782	24.674	30.816	37.464	43.944	49.050	53.840
<b>150.0</b>	1.136	1.858	5.592	9.612	13.903	19.245	24.937	30.125	35.085	39.679
<b>152.5</b>	0.000	0.512	1.169	1.875	4.106	8.162	12.247	16.267	20.622	25.064
<b>155.0</b>	0.000	0.000	0.000	0.190	0.967	1.877	2.912	4.634	8.199	11.675
<b>157.5</b>	0.000	0.000	0.002	0.021	0.054	0.101	0.160	1.057	2.053	3.121
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.088	0.149	0.216
<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><b>325.0</b></u>	<u><b>327.5</b></u>	<u><b>330.0</b></u>	<u><b>332.5</b></u>	<u><b>335.0</b></u>	<u><b>337.5</b></u>	<u><b>340.0</b></u>	<u><b>342.5</b></u>	<u><b>345.0</b></u>	<u><b>347.5</b></u>
<b>0.0</b>	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538	481.538
<b>2.5</b>	494.426	494.868	495.283	495.671	496.032	496.363	496.665	496.936	497.763	497.795
<b>5.0</b>	506.655	507.527	508.346	509.111	509.820	510.472	511.063	511.595	512.065	512.473
<b>7.5</b>	518.187	519.457	520.650	521.764	522.796	523.744	524.604	525.374	526.054	526.640

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**CANDELA TABULATION - (Cont.)**

10.0	528.966	530.585	532.110	533.535	534.856	536.070	537.172	538.159	539.028	539.777
12.5	538.755	540.851	542.726	544.480	546.108	547.604	548.963	550.179	551.249	552.170
15.0	547.776	550.262	552.610	554.795	556.814	558.672	560.363	561.878	563.212	564.355
17.5	556.271	559.250	562.073	564.729	567.191	569.421	571.446	573.256	574.841	576.194
20.0	564.130	567.746	571.073	574.203	577.121	579.745	581.927	583.892	585.626	587.116
22.5	570.386	574.801	579.015	582.652	585.881	588.734	591.325	593.594	595.594	597.310
25.0	575.891	580.568	584.993	589.471	593.119	596.786	600.083	602.790	605.160	607.163
27.5	580.089	585.335	590.299	594.975	599.463	603.704	607.731	611.518	614.273	616.241
30.0	583.438	589.203	594.674	599.957	604.981	609.848	614.098	617.973	621.455	623.950
32.5	586.498	592.452	598.159	603.851	609.453	614.624	619.772	623.494	626.995	629.847
35.0	589.523	596.261	602.582	608.612	614.155	619.375	623.759	628.440	631.818	634.882
37.5	591.553	599.075	606.069	612.797	619.107	624.733	630.224	633.512	636.447	638.511
40.0	592.429	600.660	608.405	615.819	623.012	629.118	634.678	639.297	642.522	644.753
42.5	595.029	604.298	612.902	621.052	628.715	635.410	641.273	646.500	650.097	652.397
45.0	597.821	607.962	617.502	626.567	635.022	642.533	649.524	655.987	661.322	666.036
47.5	598.959	609.910	620.463	630.557	639.583	646.646	651.395	655.391	658.031	659.476
50.0	598.134	609.565	618.093	624.915	631.070	636.410	640.680	644.045	646.103	647.085
52.5	589.897	598.934	606.898	613.972	620.105	625.077	629.214	633.498	637.190	639.909
55.0	578.582	587.532	595.540	602.343	608.181	613.133	619.611	625.164	629.727	632.466
57.5	566.791	575.688	583.472	590.263	597.242	604.525	611.027	616.524	621.105	625.374
60.0	554.222	563.312	571.169	579.967	588.202	595.435	601.783	607.235	612.361	618.010
62.5	541.178	550.710	561.016	570.237	578.469	586.106	592.136	597.772	603.975	609.713
65.0	528.054	539.817	550.264	559.756	568.108	575.608	582.053	588.744	594.828	600.287
67.5	516.188	528.119	538.877	548.546	557.113	564.671	572.062	578.974	585.109	590.484
70.0	503.759	515.784	526.923	536.782	545.682	553.494	561.245	568.244	574.658	580.164
72.5	491.352	502.809	514.181	524.416	533.650	542.099	549.849	556.767	563.048	568.597
75.0	476.625	489.103	500.640	511.262	520.980	529.933	537.849	544.831	551.469	556.541
77.5	461.624	474.596	486.311	497.760	507.417	516.773	524.970	532.281	538.769	544.108
80.0	446.095	459.056	471.125	482.573	492.958	502.616	511.089	518.807	525.634	530.821
82.5	430.232	443.193	455.396	466.970	477.669	487.469	496.237	504.239	511.317	516.411
85.0	414.112	427.061	439.514	451.075	461.812	471.684	480.662	488.802	496.026	500.929
87.5	397.947	410.968	423.487	434.970	445.751	455.652	464.714	472.964	479.900	484.768
90.0	381.736	394.795	407.147	418.708	429.524	439.467	448.596	457.584	463.377	468.192
92.5	365.673	378.566	390.780	402.311	413.123	423.107	432.334	440.795	446.621	451.403
95.0	349.684	362.429	374.497	385.874	396.551	406.556	415.838	424.157	429.594	434.347
97.5	333.763	346.947	358.353	369.607	380.090	390.060	399.235	406.809	412.255	417.021
100.0	317.916	330.401	342.265	353.478	363.990	373.795	382.907	389.655	394.953	399.623
102.5	302.368	314.536	326.256	337.332	347.792	357.608	366.771	372.680	377.847	382.403
105.0	287.425	299.175	310.533	321.373	331.727	341.446	349.815	355.564	360.720	365.268
107.5	272.994	284.349	295.248	305.732	315.863	325.460	333.585	338.485	343.536	348.029
110.0	258.317	269.561	280.318	290.568	300.328	309.616	315.957	321.399	326.357	330.761
112.5	243.510	254.627	265.280	275.403	284.997	293.509	299.271	304.561	309.349	313.579
115.0	229.110	239.823	250.107	260.061	269.573	277.049	282.707	287.838	292.489	296.649
117.5	215.149	225.447	235.364	244.999	254.196	260.416	265.921	270.996	275.580	279.668
120.0	201.566	211.461	221.030	230.312	238.461	244.154	249.458	254.343	258.773	262.741
122.5	188.275	197.798	207.030	215.954	222.737	228.198	233.304	237.982	242.275	246.110
125.0	175.172	184.366	193.274	201.676	207.291	212.904	217.437	221.948	226.056	229.754
127.5	162.201	171.396	179.632	186.618	192.032	197.093	201.796	206.125	210.071	213.600
130.0	149.441	157.823	166.063	171.623	176.827	181.700	186.228	190.399	194.207	197.645
132.5	136.971	144.964	151.592	156.733	161.697	166.320	170.663	174.668	178.327	181.635
135.0	124.485	131.872	137.212	142.202	146.838	151.295	155.375	159.138	162.577	165.688
137.5	112.261	118.066	122.995	127.666	132.513	136.254	140.152	143.748	147.035	150.006
140.0	99.398	104.307	108.972	113.347	117.543	121.455	125.093	128.452	131.525	134.305
142.5	85.889	90.554	94.982	99.164	103.095	106.774	110.191	113.339	116.215	118.811
145.0	72.239	76.701	80.933	84.925	88.652	92.119	95.334	98.293	100.990	103.421
147.5	58.344	62.616	66.685	70.721	74.042	77.331	80.379	83.178	85.727	88.020

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

150.0	44.052	48.198	52.117	55.774	59.132	62.261	65.156	67.813	70.226	72.393
152.5	29.291	33.301	37.086	40.569	43.788	46.780	49.540	52.064	54.351	56.398
155.0	15.053	18.324	21.510	24.809	27.892	30.755	33.393	35.804	37.985	39.933
157.5	4.252	5.435	7.585	10.232	12.744	15.113	17.332	19.389	21.278	22.987
160.0	0.290	0.547	1.453	2.372	3.298	4.220	5.119	6.009	6.856	7.657
162.5	0.000	0.052	0.109	0.170	0.231	0.294	0.358	0.420	0.481	0.539
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	481.538	481.538	481.538	481.538	481.538
2.5	497.828	497.860	497.893	497.925	497.958
5.0	513.339	513.391	513.442	513.495	513.547
7.5	527.133	527.965	528.023	528.083	528.142
10.0	540.403	540.906	541.536	541.597	541.659
12.5	552.935	553.547	554.317	554.373	554.428
15.0	565.307	566.061	567.024	567.068	567.116
17.5	577.306	578.177	578.801	579.299	579.305
20.0	588.351	589.322	590.020	590.583	590.583
22.5	598.726	599.831	600.614	601.234	601.197
25.0	608.779	609.998	610.811	611.413	611.231
27.5	617.836	619.035	619.812	620.386	620.104
30.0	625.435	626.503	627.133	627.530	627.069
32.5	632.049	633.138	633.644	633.836	633.040
35.0	637.166	638.936	639.289	638.984	638.098
37.5	641.075	642.632	643.757	643.243	642.162
40.0	645.235	645.204	646.534	646.832	644.733
42.5	653.514	653.590	651.285	648.995	646.226
45.0	670.102	673.081	675.281	670.445	655.181
47.5	659.203	656.024	653.164	648.973	646.226
50.0	647.945	646.972	646.299	647.220	644.733
52.5	640.784	641.940	643.509	643.586	642.162
55.0	635.539	637.831	639.756	639.358	638.098
57.5	629.482	632.320	633.934	633.912	633.040
60.0	622.474	625.757	627.153	627.500	627.069
62.5	614.436	618.025	619.542	620.239	620.104
65.0	605.068	608.456	610.286	611.200	611.231
67.5	595.048	597.880	599.779	601.286	601.197
70.0	584.517	587.137	589.041	590.583	590.583
72.5	572.826	575.656	577.680	579.286	579.305
75.0	560.326	563.154	565.237	566.938	567.116
77.5	547.611	550.406	552.477	554.177	554.428
80.0	534.439	537.341	539.512	541.311	541.659
82.5	520.298	523.407	525.747	527.692	528.142
85.0	505.010	508.311	510.830	512.949	513.547
87.5	488.910	492.307	494.949	497.209	497.958
90.0	472.345	475.750	478.420	480.718	481.538
92.5	455.480	458.856	461.523	463.831	464.705
95.0	438.405	441.762	444.415	446.712	447.622

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**CANDELA TABULATION - (Cont.)**

<b>97.5</b>	421.069	424.491	427.190	429.538	430.540
<b>100.0</b>	403.656	407.043	409.778	412.186	413.293
<b>102.5</b>	386.341	389.655	392.348	394.726	395.878
<b>105.0</b>	369.206	372.532	375.248	377.657	378.879
<b>107.5</b>	351.956	355.308	358.081	360.563	361.879
<b>110.0</b>	334.608	337.893	340.615	343.055	344.382
<b>112.5</b>	317.360	320.609	323.320	325.761	327.135
<b>115.0</b>	300.313	303.472	306.122	308.467	309.886
<b>117.5</b>	283.260	286.352	288.944	291.285	292.639
<b>120.0</b>	266.244	269.278	271.841	274.168	275.556
<b>122.5</b>	249.505	252.456	254.963	257.246	258.639
<b>125.0</b>	233.039	235.905	238.350	240.585	241.972
<b>127.5</b>	216.796	219.565	221.935	224.106	225.470
<b>130.0</b>	200.708	203.391	205.692	207.802	209.134
<b>132.5</b>	184.585	187.173	189.392	191.430	192.715
<b>135.0</b>	168.464	170.899	172.991	174.913	176.130
<b>137.5</b>	152.657	154.983	156.977	158.808	159.960
<b>140.0</b>	136.787	138.965	141.474	142.549	143.624
<b>142.5</b>	121.125	123.151	125.486	126.469	127.454
<b>145.0</b>	105.582	107.469	109.647	110.548	111.450
<b>147.5</b>	90.053	91.825	93.874	94.701	95.528
<b>150.0</b>	74.310	75.973	77.905	78.661	79.417
<b>152.5</b>	58.200	59.758	61.525	62.255	62.939
<b>155.0</b>	41.647	43.122	44.845	45.474	46.105
<b>157.5</b>	24.509	25.835	27.406	27.978	28.551
<b>160.0</b>	8.400	9.075	9.883	10.228	10.573
<b>162.5</b>	0.595	0.645	0.706	0.735	0.763
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000
<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	177.46	N.A.	7.70
0-30	382.23	N.A.	16.60
0-40	639.45	N.A.	27.70
0-60	1212.06	N.A.	52.50
0-80	1685.42	N.A.	73.00
0-90	1861.15	N.A.	80.60
10-90	1815.58	N.A.	78.60
20-40	461.98	N.A.	20.00
20-50	748.58	N.A.	32.40
40-70	831.04	N.A.	36.00
60-80	473.36	N.A.	20.50
70-80	214.93	N.A.	9.30
80-90	175.72	N.A.	7.60
90-110	254.93	N.A.	11.00
90-120	338.08	N.A.	14.60
90-130	394.93	N.A.	17.10
90-150	444.20	N.A.	19.20
90-180	447.93	N.A.	19.40
110-180	193.00	N.A.	8.40
0-180	2309.08	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	45.57
10-20	131.90
20-30	204.77
30-40	257.22
40-50	286.59
50-60	286.02
60-70	258.43
70-80	214.93
80-90	175.72
90-100	142.65
100-110	112.28
110-120	83.15
120-130	56.85
130-140	33.62
140-150	15.65
150-160	3.68
160-170	0.06
170-180	0.00

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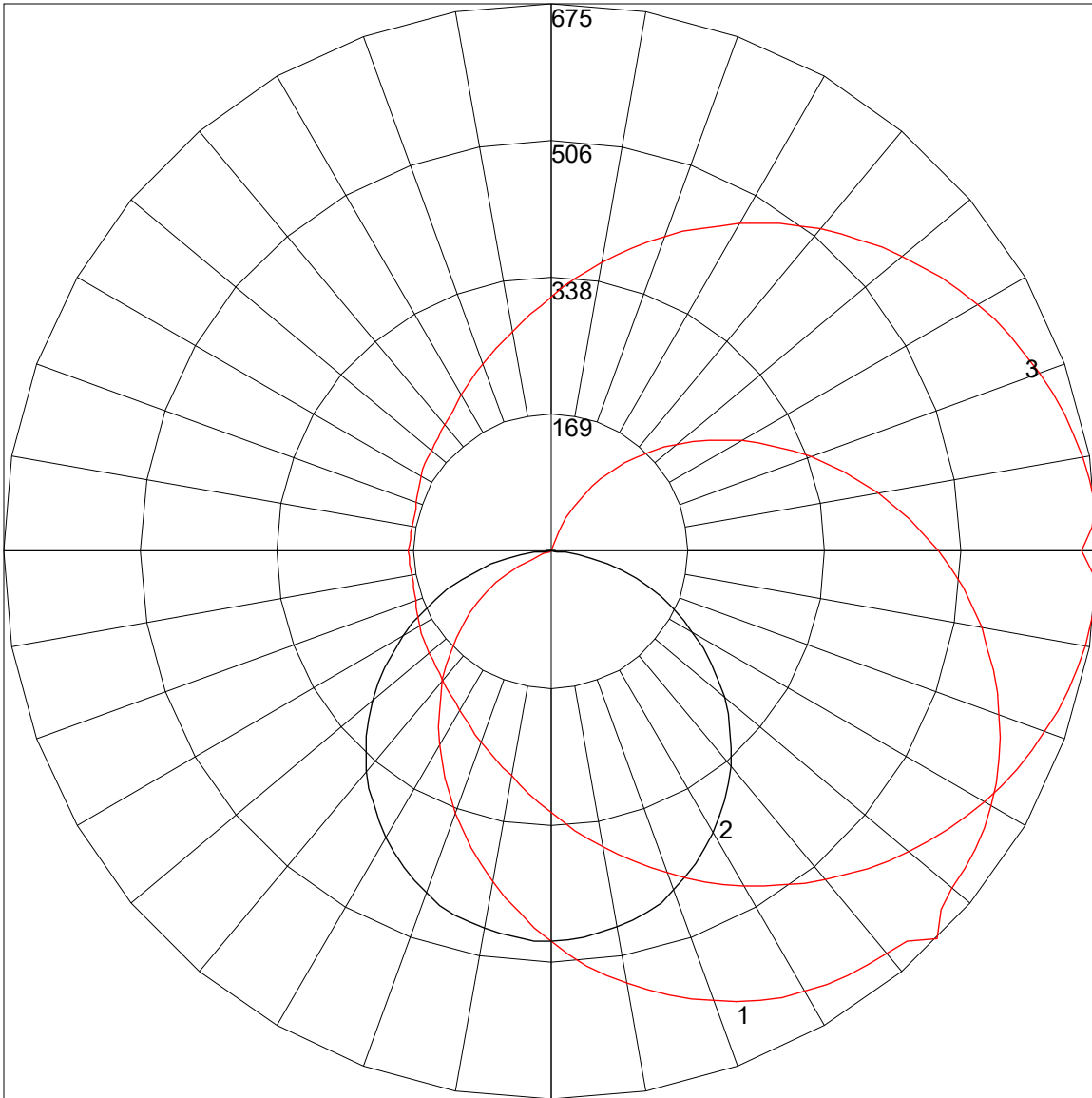
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	101	95	90	85	96	91	86	82	83	79	76	76	73	70	69	67	64	61
2	91	81	74	67	86	78	71	65	71	65	60	65	60	56	59	55	52	48
3	82	71	62	54	78	67	59	53	62	55	49	56	51	46	51	47	43	40
4	75	62	52	45	71	59	51	44	54	47	41	50	43	39	45	40	36	33
5	69	55	45	38	65	53	44	37	48	41	35	44	38	33	40	35	31	28
6	63	49	40	33	60	47	38	32	43	36	30	40	33	29	36	31	27	24
7	58	44	35	29	55	43	34	28	39	32	27	36	30	25	33	28	24	21
8	54	40	31	25	51	39	31	25	36	29	24	33	27	22	30	25	21	19
9	50	37	28	23	48	35	28	22	33	26	21	30	24	20	28	23	19	17
10	47	34	26	20	45	33	25	20	30	24	19	28	22	18	26	21	17	15



POLAR GRAPH



Maximum Candela = 675.281 Located At Horizontal Angle = 355, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (355 - 175) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 3 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)