

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-37L35KEX-MWI-PT-TF2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00725_M-37L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 10/30/2018
 [UPDATE] 12/31/2018
 [LUMCAT] TT1811GV-37L-35K-EX-MWI-PT-TF2
 [LUMINAIRE] Nom 18.4" diam reflector x 11.4" H, Tip Top decorative luminaire
 [OTHER] Matte white interior finish
 [OTHER] Platinum outside finish
 [OTHER] 4" Low profile frosted glass dome
 [OTHER] Beam Angle: 104.4 deg
 [LAMPCAT] N/A, Gen3
 [LAMP] N/A
 [OTHER] Total Luminaire watts is approximate
 [OTHER] CCT multipliers: 27K x 0.971, 30K x 0.985, 40K x 1.03
 [OTHER] This report generated by Spectrum Lighting, scaled from 55L
 [_CRI] 85+
 [_CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT] 15L x 0.265, 27L x 0.463, 37L x 0.68

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2757
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.53 ft (Diameter)
Luminous Width (90-270)	1.53 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-37L35KEX-MWI-PT-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6574	6670	6508
55	4934	5056	4888
65	2082	2091	2080
75	1559	1611	1614
85	900	937	969

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1162.992	1162.992	1162.992	1162.992	1162.992	1162.992	1162.992	1162.992	1162.992	1162.992
2.5	1161.082	1160.935	1163.906	1164.884	1165.657	1163.414	1162.680	1161.256	1161.237	1160.521
5.0	1155.499	1157.481	1162.383	1163.810	1164.142	1163.222	1159.212	1157.892	1155.725	1155.432
7.5	1149.150	1152.051	1158.489	1159.198	1161.681	1157.757	1153.821	1150.865	1148.636	1148.169
10.0	1140.968	1145.987	1151.972	1154.282	1154.805	1151.330	1146.583	1143.743	1139.718	1139.220
12.5	1132.964	1139.299	1145.759	1148.600	1147.969	1143.801	1138.629	1133.886	1130.272	1128.691
15.0	1125.348	1130.824	1139.847	1141.073	1141.290	1136.100	1128.176	1123.911	1118.665	1117.060
17.5	1114.874	1120.741	1128.871	1129.446	1132.074	1124.776	1116.874	1111.980	1106.525	1103.211
20.0	1098.830	1103.406	1113.279	1112.845	1114.293	1113.006	1099.585	1099.127	1088.667	1087.971
22.5	1078.298	1080.192	1089.423	1086.426	1092.634	1086.567	1080.528	1075.461	1069.560	1066.735
25.0	1049.961	1052.276	1058.682	1056.917	1059.173	1058.786	1051.158	1050.992	1041.909	1042.033
27.5	1019.994	1020.877	1027.383	1021.795	1025.259	1024.445	1019.059	1019.641	1012.710	1013.292
30.0	987.449	989.648	995.666	987.595	990.144	989.648	986.485	988.213	981.243	982.468
32.5	955.605	958.535	964.847	954.897	955.900	955.631	953.804	956.240	949.446	951.489
35.0	924.772	927.172	934.646	923.309	923.698	921.645	920.400	924.321	918.811	920.439
37.5	893.309	895.657	903.793	893.366	890.941	887.688	886.860	892.711	888.319	889.864
40.0	861.031	863.618	872.535	861.608	856.990	853.726	853.771	860.942	857.462	859.489
42.5	828.213	831.293	839.844	827.402	822.433	818.624	820.753	828.423	826.571	829.089
45.0	794.757	796.500	806.353	790.981	786.719	783.346	783.509	794.609	792.652	798.680
47.5	754.620	760.481	765.532	751.873	745.404	742.646	745.728	755.410	758.551	760.421
50.0	707.262	692.133	720.946	689.699	694.547	698.329	678.353	701.765	689.576	719.632
52.5	616.619	609.498	620.985	601.915	611.917	594.648	608.039	596.854	619.223	618.827
55.0	483.796	482.748	495.761	488.934	479.295	489.320	470.586	485.054	474.080	500.591
57.5	366.115	338.484	377.227	350.372	360.754	364.015	328.235	352.111	328.951	378.044
60.0	261.929	250.774	261.390	251.862	262.099	246.161	250.572	240.032	250.145	254.425
62.5	192.299	183.128	196.925	190.002	189.664	193.799	175.748	185.968	172.781	191.495
65.0	150.420	144.416	151.106	146.677	150.319	144.858	141.748	139.345	138.179	141.598
67.5	120.487	112.998	122.482	116.487	119.829	118.142	109.376	110.603	105.251	112.475
70.0	96.755	95.427	98.431	97.422	96.578	94.687	91.744	88.231	87.409	86.979
72.5	82.189	79.983	85.133	81.986	83.369	81.617	75.777	75.664	71.742	74.860
75.0	68.995	67.912	71.296	69.578	71.416	68.762	64.169	62.999	60.997	63.246
77.5	56.775	53.205	57.007	55.016	57.563	56.105	50.934	50.445	49.351	51.717
80.0	43.122	37.797	42.867	39.712	42.628	41.775	37.326	39.157	37.149	39.868
82.5	27.700	23.139	28.196	25.344	28.714	27.391	24.695	24.745	24.486	27.314
85.0	13.414	9.921	13.956	11.363	14.432	14.181	10.505	12.153	11.002	14.488
87.5	3.284	1.483	3.238	2.090	3.539	4.220	2.096	3.456	3.074	5.289
90.0	0.000	0.000	0.000	0.000	0.000	0.628	0.558	0.787	0.696	0.749
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

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CANDELA TABULATION - (Cont.)

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>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1162.992	1162.992	1162.992	1162.992	1162.992	1162.992	1162.992
2.5	1159.397	1160.776	1160.066	1157.202	1158.930	1159.851	1161.082
5.0	1153.042	1155.711	1152.315	1150.961	1152.809	1155.067	1155.499
7.5	1144.426	1145.577	1143.866	1141.401	1144.979	1146.116	1149.150
10.0	1134.364	1134.065	1132.055	1131.131	1133.982	1137.067	1140.968
12.5	1123.321	1122.031	1119.830	1118.414	1123.097	1126.558	1132.964
15.0	1111.058	1109.872	1107.486	1105.745	1112.406	1115.931	1125.348
17.5	1098.043	1097.567	1095.132	1093.214	1099.761	1104.022	1114.874
20.0	1080.508	1085.232	1077.640	1078.103	1084.127	1090.735	1098.830
22.5	1060.436	1062.507	1059.813	1056.128	1063.360	1065.988	1078.298
25.0	1034.069	1037.997	1031.679	1031.670	1035.433	1040.239	1049.961
27.5	1004.549	1007.090	1003.126	1001.299	1006.076	1007.959	1019.994
30.0	973.628	975.276	972.951	970.824	974.900	975.830	987.449
32.5	942.064	944.471	942.751	940.130	944.024	944.521	955.605
35.0	911.420	913.777	912.886	910.198	913.494	913.196	924.772
37.5	881.151	884.164	883.027	881.721	882.713	881.806	893.309
40.0	851.173	854.640	853.288	852.822	851.671	850.254	861.031
42.5	821.298	825.583	823.551	823.192	820.627	818.074	828.213
45.0	790.189	796.553	793.856	791.629	789.583	784.810	794.757
47.5	758.680	759.308	761.016	757.068	750.362	747.767	754.620
50.0	691.400	721.829	691.909	695.235	704.075	695.270	707.262
52.5	614.130	607.806	614.911	594.306	610.437	596.061	616.619
55.0	481.722	493.141	468.583	478.191	479.404	488.446	483.796
57.5	336.183	365.590	330.298	342.501	362.957	358.616	366.115
60.0	249.972	241.215	248.573	241.652	257.025	250.007	261.929
62.5	176.225	187.821	173.743	181.237	188.554	192.541	192.299
65.0	137.059	136.210	137.852	137.210	144.159	145.064	150.420

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CANDELA TABULATION - (Cont.)

67.5	103.886	110.119	105.524	108.472	114.716	115.274	120.487
70.0	86.863	86.305	86.969	89.538	91.700	94.366	96.755
72.5	71.815	73.569	71.921	74.848	78.962	80.125	82.189
75.0	60.899	61.739	62.038	63.326	66.293	67.084	68.995
77.5	49.647	51.050	50.101	50.771	52.911	53.867	56.775
80.0	37.886	38.515	37.269	37.312	39.386	40.079	43.122
82.5	24.552	25.607	23.827	23.733	27.116	25.571	27.700
85.0	12.434	13.347	10.709	11.129	14.143	12.447	13.414
87.5	2.484	4.191	2.628	2.392	3.908	2.297	3.284
90.0	0.724	0.601	0.919	0.000	0.000	0.000	0.000
92.5	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
97.5	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
102.5	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
107.5	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
112.5	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
117.5	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
122.5	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
127.5	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
132.5	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
137.5	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
142.5	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
147.5	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
152.5	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
157.5	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
162.5	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
167.5	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
172.5	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
177.5	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	427.17	N.A.	15.50
0-30	908.49	N.A.	33.00
0-40	1484.74	N.A.	53.90
0-60	2519.72	N.A.	91.40
0-80	2739.94	N.A.	99.40
0-90	2756.6	N.A.	100.00
10-90	2646.63	N.A.	96.00
20-40	1057.57	N.A.	38.40
20-50	1665.95	N.A.	60.40
40-70	1186.11	N.A.	43.00
60-80	220.22	N.A.	8.00
70-80	69.09	N.A.	2.50
80-90	16.65	N.A.	0.60
90-110	0.05	N.A.	0.00
90-120	0.05	N.A.	0.00
90-130	0.05	N.A.	0.00
90-150	0.05	N.A.	0.00
90-180	0.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2756.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.97
10-20	317.20
20-30	481.32
30-40	576.26
40-50	608.38
50-60	426.59
60-70	151.14
70-80	69.09
80-90	16.65
90-100	0.05
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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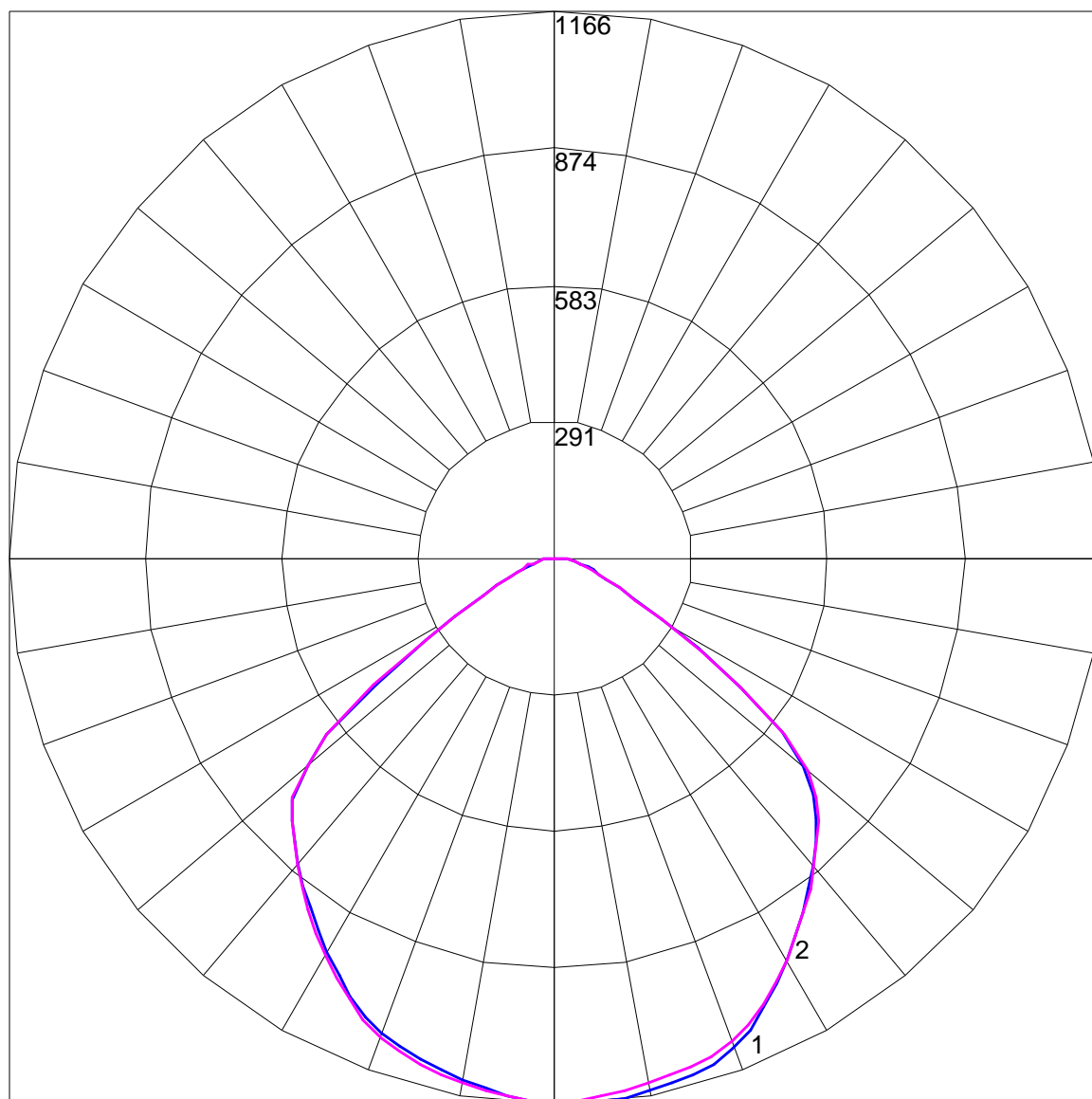
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	67	62	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	62	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39
8	64	51	43	38	63	51	43	38	49	43	38	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	31	29

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-37L35KEX-MWI-PT-TF2.IES

POLAR GRAPH



Maximum Candela = 1165.657 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)