

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SP-00609\_6 ~ EG1612GV-37L35KEX-TF2-MWI.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00609\_6\_M-37L  
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 5/25/2018  
 [UPDATE] 7/24/2018  
 [LUMCAT] EG1612GV-37L-35K-EX-TF2-MWI  
 [LUMINAIRE] Nom. 16.2" diam reflector x 12.5" H Decorative Domo Pendant  
 [OTHER] 4" Frosted Glass Dome  
 [OTHER] 89.1 Degree Beam Angle  
 [OTHER] Remote driver in canopy  
 [LAMP] N/A, Gen3  
 [LAMPCAT] N/A  
 [OTHER] Total Luminaire Watts is approximate  
 [OTHER] This report generated by Spectrum Lighting, scaled from 55L  
 [\_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  
 [\_CRI] 85+

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2630
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.35 ft (Diameter)
Luminous Width (90-270)	1.35 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00609\_6 ~ EG1612GV-37L35KEX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6476	6876	6989
55	3404	3519	3557
65	3050	3120	3164
75	2831	2917	2985
85	2014	2360	2432

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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	1270.439	1270.439	1270.439	1270.439	1270.439	1270.439	1270.439	1270.439	1270.439	1270.439
2.5	1270.441	1270.975	1270.821	1270.870	1269.402	1267.384	1267.160	1265.037	1265.028	1264.777
5.0	1268.184	1270.563	1269.464	1268.703	1265.412	1261.061	1261.209	1257.597	1256.775	1257.404
7.5	1263.528	1265.413	1263.817	1262.300	1258.741	1251.090	1250.408	1245.763	1246.188	1246.803
10.0	1254.648	1257.491	1255.691	1255.504	1248.332	1238.636	1238.212	1232.847	1233.479	1233.224
12.5	1243.232	1245.731	1243.453	1242.286	1235.203	1223.737	1223.219	1217.901	1218.545	1216.878
15.0	1229.672	1232.190	1229.926	1228.804	1219.638	1207.774	1207.634	1201.818	1201.973	1199.975
17.5	1215.055	1217.105	1214.626	1211.502	1202.625	1190.962	1189.582	1183.976	1184.992	1182.642
20.0	1198.729	1201.454	1199.019	1194.368	1186.809	1175.239	1171.186	1167.511	1167.769	1166.408
22.5	1181.745	1185.823	1183.068	1179.699	1171.556	1160.220	1156.641	1152.767	1153.028	1150.861
25.0	1165.682	1170.199	1165.751	1164.476	1154.641	1142.922	1142.423	1136.281	1139.494	1133.268
27.5	1149.887	1150.028	1147.198	1145.038	1137.102	1124.415	1120.469	1118.027	1120.024	1114.655
30.0	1120.636	1128.937	1121.039	1123.342	1109.798	1096.522	1097.988	1093.231	1098.303	1087.318
32.5	1088.407	1093.403	1089.141	1089.882	1079.678	1064.705	1063.509	1062.895	1066.296	1056.455
35.0	1043.297	1055.903	1049.953	1053.694	1041.706	1025.428	1028.053	1024.291	1031.277	1012.959
37.5	996.279	999.144	1006.336	1007.429	1002.105	983.759	979.783	980.026	969.256	965.565
40.0	887.795	940.907	913.749	939.957	915.166	891.664	920.353	880.979	901.390	844.589
42.5	773.919	792.577	797.484	813.692	821.349	787.123	781.260	751.393	747.157	707.049
45.0	609.475	642.806	647.187	677.898	657.843	631.908	641.216	603.620	580.481	557.596
47.5	445.126	504.062	483.590	520.896	488.699	468.034	496.682	447.697	460.047	406.222
50.0	368.519	371.829	387.303	395.963	397.408	380.867	371.202	359.124	343.497	337.753
52.5	294.762	316.932	311.005	327.540	309.082	301.984	313.348	293.898	295.739	277.163
55.0	259.863	265.426	268.641	274.092	271.581	264.250	263.044	256.141	250.535	246.164
57.5	226.810	236.690	233.572	241.838	235.326	228.688	232.962	225.639	226.454	216.474
60.0	207.710	210.174	211.711	216.268	214.622	210.082	207.579	206.183	202.974	199.458
62.5	188.907	194.166	191.858	198.576	194.455	191.564	192.007	188.839	187.290	182.471
65.0	171.561	177.529	175.523	180.775	177.999	174.666	175.721	170.886	171.282	165.895
67.5	153.908	158.889	159.391	162.870	160.878	157.244	158.258	152.854	153.192	148.853
70.0	135.412	140.105	140.404	143.101	141.439	136.995	139.273	134.059	134.261	129.475
72.5	116.616	121.106	120.967	122.367	122.093	117.395	118.932	115.142	113.414	109.870
75.0	97.536	100.771	100.498	102.607	102.849	98.701	98.606	95.913	93.782	89.959
77.5	77.918	80.392	81.382	82.890	82.326	78.923	78.745	77.105	74.820	71.215
80.0	58.451	61.288	62.640	63.333	63.069	59.858	59.771	57.816	55.942	52.770
82.5	39.858	43.377	44.267	44.718	45.234	41.830	41.957	38.194	38.825	35.330
85.0	23.368	25.883	27.377	28.836	28.219	24.674	24.138	21.889	20.987	19.205
87.5	8.817	11.114	11.323	12.163	12.741	9.186	9.642	8.034	7.449	5.470
90.0	0.894	0.617	1.562	0.808	1.493	0.893	0.537	0.987	0.381	0.951
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	1270.439	1270.439	1270.439	1270.439	1270.439	1270.439	1270.439
2.5	1265.619	1266.618	1267.704	1269.512	1268.942	1270.318	1270.441
5.0	1259.668	1260.129	1261.720	1265.442	1265.632	1268.103	1268.184
7.5	1249.016	1248.782	1252.198	1257.109	1259.597	1260.962	1263.528
10.0	1236.982	1236.085	1240.010	1246.429	1250.411	1252.600	1254.648
12.5	1220.498	1218.970	1225.736	1232.069	1235.912	1240.126	1243.232
15.0	1203.070	1201.449	1210.177	1216.054	1219.719	1226.945	1229.672
17.5	1185.451	1182.896	1191.391	1197.920	1201.193	1210.923	1215.055
20.0	1167.805	1164.975	1171.020	1179.049	1184.175	1194.604	1198.729
22.5	1151.552	1148.333	1153.552	1162.597	1168.835	1180.447	1181.745
25.0	1135.417	1129.516	1137.237	1146.772	1149.928	1166.380	1165.682
27.5	1112.924	1107.194	1111.780	1121.493	1127.748	1141.859	1149.887
30.0	1089.981	1079.106	1083.556	1094.398	1097.389	1116.669	1120.636
32.5	1052.497	1043.416	1047.126	1057.065	1060.860	1078.986	1088.407
35.0	1013.004	997.146	1008.892	1018.477	1016.783	1039.203	1043.297
37.5	947.167	939.406	939.398	956.388	968.119	980.383	996.279
40.0	869.403	831.578	865.012	892.782	863.151	907.773	887.795
42.5	706.514	679.663	707.216	736.926	730.066	757.835	773.919
45.0	551.118	539.583	541.841	581.282	584.534	610.528	609.475
47.5	432.878	408.186	432.805	458.132	434.136	473.766	445.126
50.0	330.530	327.334	326.456	341.651	351.051	357.506	368.519
52.5	284.578	276.317	282.907	294.018	287.958	303.324	294.762
55.0	244.389	241.070	240.704	249.281	250.467	256.877	259.863
57.5	219.633	213.214	217.647	222.823	218.753	228.453	226.810
60.0	197.824	194.226	195.510	198.295	200.027	204.147	207.710
62.5	182.366	178.590	180.261	182.059	183.277	187.526	188.907
65.0	166.197	161.934	164.512	165.619	166.297	170.688	171.561

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00609\_6 ~ EG1612GV-37L35KEX-TF2-MWI.IES****CANDELA TABULATION - (Cont.)**

67.5	148.855	144.992	146.422	148.562	149.234	153.534	153.908
70.0	129.820	126.011	127.633	130.466	130.071	134.535	135.412
72.5	109.278	106.732	107.507	110.856	110.807	114.058	116.616
75.0	89.897	87.088	88.281	91.961	91.312	94.717	97.536
77.5	70.868	68.435	69.435	73.133	72.588	75.614	77.918
80.0	52.136	50.262	50.466	53.810	54.203	56.760	58.451
82.5	34.158	32.423	33.920	35.511	36.302	39.601	39.858
85.0	18.761	17.352	17.525	18.787	20.047	21.925	23.368
87.5	6.007	4.660	5.146	6.418	6.872	8.586	8.817
90.0	0.442	0.634	0.915	0.258	1.078	0.417	0.894
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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Zone	Lumens	%Lamp	%Fixt
0-20	463.13	N.A.	17.60
0-30	992.48	N.A.	37.70
0-40	1629.3	N.A.	61.90
0-60	2333.94	N.A.	88.70
0-80	2603.48	N.A.	99.00
0-90	2630.35	N.A.	100.00
10-90	2510.36	N.A.	95.40
20-40	1166.16	N.A.	44.30
20-50	1633.64	N.A.	62.10
40-70	873.48	N.A.	33.20
60-80	269.54	N.A.	10.20
70-80	100.70	N.A.	3.80
80-90	26.87	N.A.	1.00
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2630.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	119.99
10-20	343.15
20-30	529.34
30-40	636.82
40-50	467.48
50-60	237.16
60-70	168.84
70-80	100.70
80-90	26.87
90-100	0.11
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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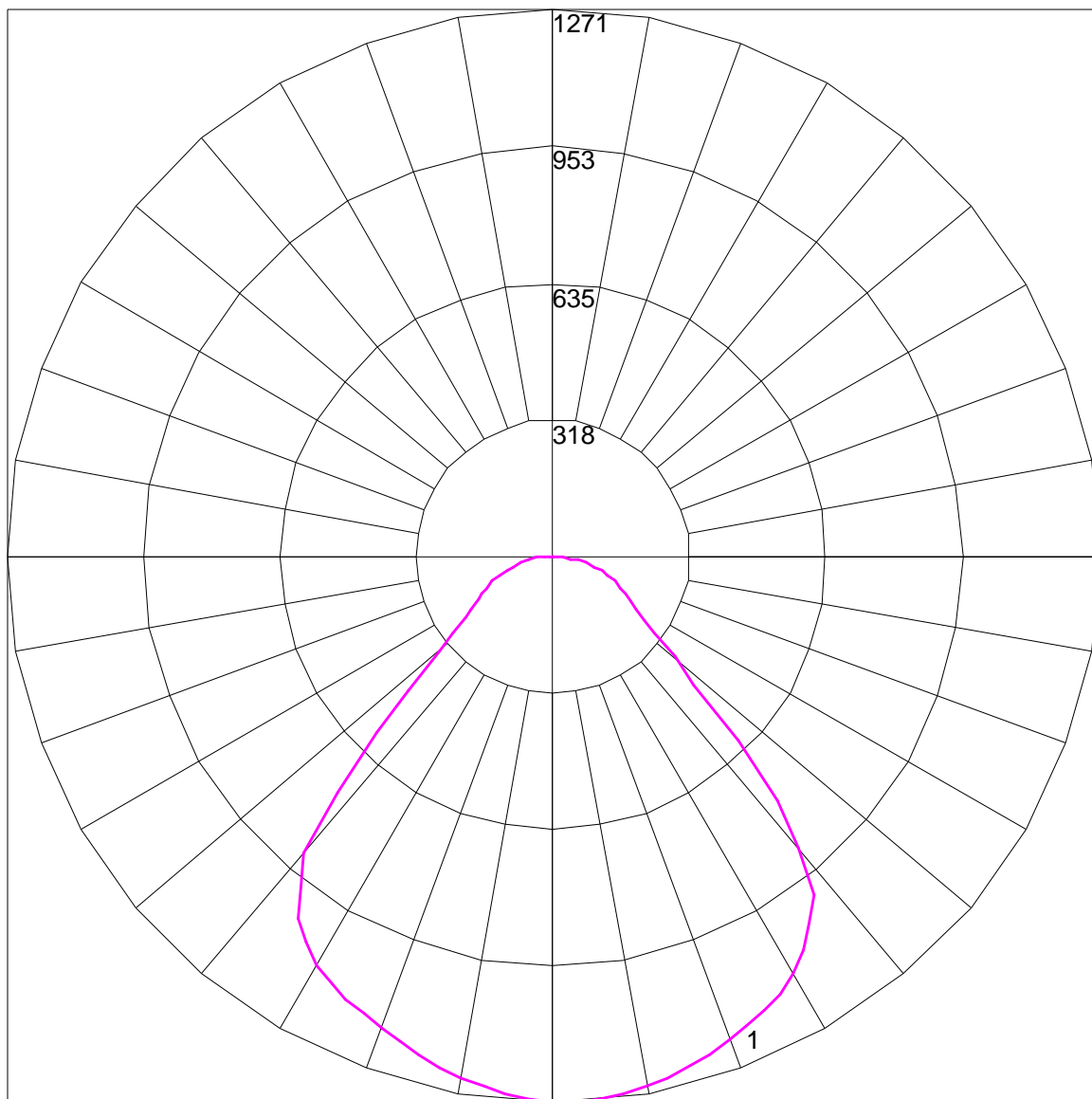
PHOTOMETRIC FILENAME : SP-00609\_6 ~ EG1612GV-37L35KEX-TF2-MWI.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	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	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
5	81	70	62	56	80	69	62	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32

POLAR GRAPH



Maximum Candela = 1270.975 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)