

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00381_1 ~ SV1411GV-55L35K-TF2-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00381_1
[TESTLAB] Spectrum Photometric Lab VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/20/2018
[UPDATE] 4/26/2018
[LUMCAT] SV1411GV-55L-35K-EX-TF2-MWI
[LUMINAIRE] Nom. 14" diam x 11.4" H, classic bell shape
[OTHER] Regressed, 6" diam. low profile frosted glass diffuser
[OTHER] Reflector: Matte White interior finish
[OTHER] Beam Angle: 99.5 degrees
[LAMP] N/A, Gen3
[LAMPCAT] 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
[_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4115
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.24 ft (Diameter)
Luminous Width (90-270)	1.24 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00381_1 ~ SV1411GV-55L35K-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14771	14911	15055
55	9858	9560	9627
65	4526	4489	4495
75	3210	3283	3355
85	2327	2319	2400

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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	1915.355	1915.355	1915.355	1915.355	1915.355	1915.355	1915.355	1915.355	1915.355	1915.355
2.5	1904.446	1908.576	1909.828	1912.484	1915.916	1913.753	1913.508	1913.144	1911.967	1910.201
5.0	1891.887	1899.423	1899.654	1907.468	1911.586	1910.820	1909.307	1907.744	1908.261	1902.380
7.5	1865.778	1874.824	1879.188	1889.387	1892.966	1892.303	1894.990	1893.819	1890.386	1881.822
10.0	1837.474	1849.073	1853.015	1869.803	1872.015	1872.598	1877.743	1874.126	1871.564	1859.222
12.5	1801.856	1812.596	1819.551	1836.768	1842.810	1842.621	1851.125	1845.915	1839.443	1825.338
15.0	1763.175	1774.609	1781.067	1802.934	1810.978	1810.937	1821.143	1812.907	1806.518	1789.692
17.5	1716.990	1728.871	1737.595	1759.732	1772.479	1770.479	1783.465	1774.409	1765.710	1747.772
20.0	1668.832	1682.095	1690.506	1716.010	1730.694	1728.292	1741.894	1731.259	1723.737	1703.153
22.5	1617.104	1631.755	1640.662	1666.893	1682.774	1680.276	1693.603	1684.024	1675.238	1651.775
25.0	1567.015	1581.107	1590.561	1617.486	1632.744	1630.888	1644.029	1634.322	1625.998	1600.654
27.5	1519.171	1529.702	1540.309	1566.479	1579.653	1578.217	1592.748	1582.940	1574.091	1550.025
30.0	1471.296	1479.995	1491.561	1515.874	1527.820	1525.775	1541.184	1531.129	1522.009	1499.053
32.5	1423.389	1433.382	1443.479	1466.692	1477.382	1473.751	1489.330	1479.095	1469.476	1447.586
35.0	1376.983	1386.999	1395.231	1417.827	1427.270	1421.560	1436.571	1425.231	1416.851	1396.793
37.5	1331.819	1340.939	1346.931	1369.782	1377.435	1369.140	1383.084	1370.668	1364.045	1346.739
40.0	1283.956	1292.877	1298.230	1319.902	1323.449	1314.007	1325.779	1314.106	1309.631	1295.135
42.5	1234.366	1242.638	1249.440	1266.545	1266.685	1256.007	1266.138	1256.999	1252.888	1242.186
45.0	1172.919	1182.106	1184.050	1202.674	1195.483	1180.841	1193.516	1181.362	1183.338	1172.426
47.5	1105.691	1112.998	1116.480	1123.536	1117.013	1091.356	1114.968	1102.420	1099.422	1091.535
50.0	969.869	984.746	960.571	996.594	969.040	944.289	962.780	936.476	963.192	948.290
52.5	809.733	818.361	799.805	815.823	795.522	760.600	785.468	762.423	781.288	774.013
55.0	634.989	645.157	615.763	640.643	620.067	591.087	611.340	589.342	611.598	604.936
57.5	456.611	468.604	438.597	470.292	444.099	428.328	437.950	419.800	450.055	437.814
60.0	354.534	357.823	346.059	354.426	345.484	330.615	344.454	334.991	345.806	342.008
62.5	264.529	270.560	259.966	275.037	259.847	256.192	262.082	254.422	270.744	264.839
65.0	214.784	216.591	213.067	219.344	213.324	208.272	216.045	209.643	218.377	215.854
67.5	168.835	170.944	170.539	175.666	170.598	166.841	173.178	168.220	174.554	171.613
70.0	138.361	139.953	141.613	143.965	141.665	138.207	142.474	139.452	143.767	144.313
72.5	111.696	113.032	116.555	116.217	115.974	112.376	115.530	114.744	116.150	118.512
75.0	93.286	96.970	95.429	97.565	97.510	93.366	96.299	94.692	94.443	95.891
77.5	74.072	76.606	74.701	77.779	76.585	72.900	73.934	72.728	72.595	74.093
80.0	54.409	55.600	55.214	57.560	55.811	52.437	52.827	52.072	51.826	54.105
82.5	35.952	38.424	37.591	38.996	37.578	34.249	35.100	34.455	34.453	36.840
85.0	22.779	24.893	22.701	24.372	23.494	20.787	20.489	21.224	20.780	21.375
87.5	12.037	10.957	12.126	12.634	10.515	8.595	9.278	7.936	10.152	9.435
90.0	1.950	1.497	1.242	0.645	1.084	0.751	0.707	0.828	0.201	0.939
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	1915.355	1915.355	1915.355	1915.355	1915.355	1915.355	1915.355
2.5	1908.692	1904.837	1904.669	1904.314	1902.564	1903.638	1904.446
5.0	1899.523	1891.358	1890.298	1891.573	1887.657	1888.792	1891.887
7.5	1877.368	1866.774	1862.757	1865.038	1860.806	1865.104	1865.778
10.0	1850.933	1838.630	1834.503	1836.982	1833.194	1838.978	1837.474
12.5	1817.652	1801.947	1797.011	1800.536	1794.669	1803.329	1801.856
15.0	1782.814	1763.155	1758.791	1762.209	1755.564	1765.999	1763.175
17.5	1738.236	1720.502	1713.988	1717.049	1709.609	1718.863	1716.990
20.0	1692.339	1674.033	1668.149	1670.467	1663.281	1670.828	1668.832
22.5	1641.038	1622.284	1616.960	1620.200	1614.743	1621.609	1617.104
25.0	1589.412	1570.848	1566.202	1570.038	1565.805	1572.346	1567.015
27.5	1537.811	1519.743	1516.932	1520.079	1515.328	1522.770	1519.171
30.0	1486.418	1470.095	1468.678	1471.660	1466.023	1473.556	1471.296
32.5	1437.700	1421.665	1422.906	1425.484	1419.897	1427.361	1423.389
35.0	1389.360	1375.372	1377.122	1380.098	1374.098	1381.073	1376.983
37.5	1343.530	1330.442	1331.315	1335.603	1328.948	1334.320	1331.819
40.0	1296.585	1284.107	1284.689	1289.660	1282.663	1287.394	1283.956
42.5	1245.100	1237.089	1236.909	1242.464	1234.635	1239.894	1234.366
45.0	1184.824	1172.105	1176.430	1185.419	1176.451	1184.923	1172.919
47.5	1099.925	1100.668	1102.297	1121.668	1106.368	1112.087	1105.691
50.0	983.925	953.922	976.755	996.890	986.471	1004.802	969.869
52.5	802.481	788.562	807.585	840.804	821.786	835.586	809.733
55.0	630.631	616.437	638.462	669.104	653.208	666.096	634.989
57.5	473.904	443.251	469.371	491.541	481.873	496.232	456.611
60.0	355.104	351.000	359.489	380.418	366.335	368.803	354.534
62.5	281.863	265.131	278.363	287.380	280.622	286.245	264.529
65.0	223.771	218.370	223.435	231.235	223.215	224.346	214.784

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CANDELA TABULATION - (Cont.)

67.5	179.828	173.683	178.027	181.465	176.858	179.223	168.835
70.0	146.680	144.138	145.664	148.353	144.421	144.455	138.361
72.5	119.042	117.841	116.972	118.840	115.753	114.240	111.696
75.0	98.365	97.084	97.135	98.920	94.681	94.693	93.286
77.5	76.852	75.261	76.216	77.196	74.736	75.160	74.072
80.0	54.737	55.066	55.142	56.398	55.251	55.769	54.409
82.5	36.168	37.238	36.171	38.805	36.024	37.170	35.952
85.0	23.179	21.519	23.450	23.309	24.246	25.549	22.779
87.5	11.006	10.712	11.362	11.677	12.236	12.700	12.037
90.0	0.434	1.158	1.029	1.738	1.711	0.840	1.950
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	682.38	N.A.	16.60
0-30	1418.9	N.A.	34.50
0-40	2295.14	N.A.	55.80
0-60	3762.34	N.A.	91.40
0-80	4088.41	N.A.	99.30
0-90	4115.08	N.A.	100.00
10-90	3935.29	N.A.	95.60
20-40	1612.76	N.A.	39.20
20-50	2514.48	N.A.	61.10
40-70	1691.58	N.A.	41.10
60-80	326.07	N.A.	7.90
70-80	101.69	N.A.	2.50
80-90	26.66	N.A.	0.60
90-110	0.14	N.A.	0.00
90-120	0.14	N.A.	0.00
90-130	0.14	N.A.	0.00
90-150	0.14	N.A.	0.00
90-180	0.14	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4115.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	179.79
10-20	502.59
20-30	736.52
30-40	876.24
40-50	901.72
50-60	565.49
60-70	224.38
70-80	101.69
80-90	26.66
90-100	0.14
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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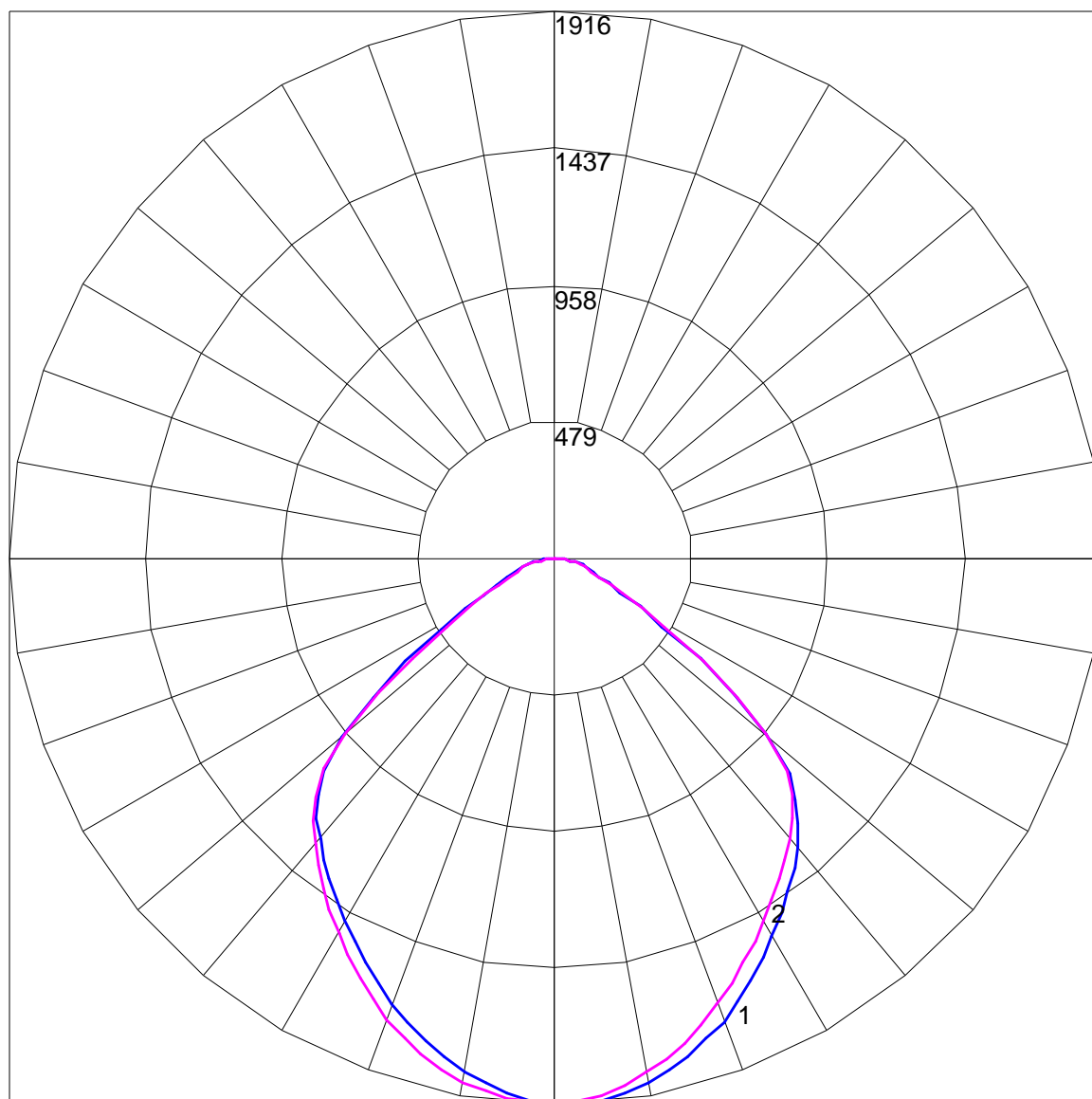
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	48	60	53	48	58	52	48	57	52	47	45
7	70	57	49	43	68	56	49	43	55	48	43	54	47	43	52	47	42	41
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36
9	61	48	41	35	59	48	40	35	47	40	35	45	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00381_1 ~ SV1411GV-55L35K-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 1915.916 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)