

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00712 ~ HT1813GV-55L35K-EX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00712
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 7/17/2018
 [UPDATE] 9/12/2018
 [LUMCAT] HT1813GV-55L-35K-EX-TF2-MWI
 [LUMINAIRE] Nom. 18" Diam x 13" H, High Top Pendant
 [OTHER] Reflector: Matte White interior finish
 [OTHER] Beam Angle: 97.4 degrees
 [OTHER] 4" Frosted (Inside) Shallow Dome Diffuser
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate
 [CRI] 85+
 [CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
 [LAMPMULT] 15L x 0.27, 27L x 0.46, 37L x 0.68
 [OTHER] This report generated by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4625
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.50 ft (Diameter)
Luminous Width (90-270)	1.50 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00712 ~ HT1813GV-55L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10406	10809	11034
55	4490	4685	4896
65	3722	3725	3716
75	3291	3464	3552
85	691	923	1152

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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	2125.871	2125.871	2125.871	2125.871	2125.871	2125.871	2125.871	2125.871	2125.871	2125.871
2.5	2116.825	2117.045	2118.422	2119.655	2117.017	2121.789	2121.238	2122.841	2123.304	2121.863
5.0	2106.911	2108.263	2108.797	2109.743	2105.742	2115.068	2115.056	2116.587	2120.309	2117.544
7.5	2089.727	2090.847	2088.894	2092.643	2088.836	2098.005	2101.985	2104.287	2106.816	2105.729
10.0	2070.158	2072.789	2067.872	2073.050	2068.141	2080.064	2086.518	2087.123	2092.125	2091.116
12.5	2044.922	2043.989	2041.216	2045.540	2041.551	2055.669	2062.867	2064.125	2068.194	2066.290
15.0	2015.192	2014.396	2011.875	2016.095	2010.887	2029.323	2036.169	2034.799	2043.542	2039.194
17.5	1977.495	1978.467	1973.732	1977.970	1975.428	1994.348	2002.180	1999.698	2007.692	2006.351
20.0	1936.839	1941.016	1933.716	1938.566	1935.601	1957.293	1965.698	1961.114	1971.390	1971.043
22.5	1892.242	1896.436	1889.214	1893.702	1891.747	1914.084	1924.769	1920.120	1930.778	1931.184
25.0	1847.010	1851.245	1843.262	1848.484	1845.366	1870.110	1880.605	1875.781	1889.186	1889.831
27.5	1801.127	1804.120	1794.763	1799.772	1797.218	1824.490	1832.039	1829.656	1842.559	1846.349
30.0	1752.848	1756.347	1745.483	1750.979	1746.621	1776.522	1782.631	1781.827	1795.370	1801.136
32.5	1702.669	1707.117	1695.171	1701.110	1694.744	1724.748	1732.352	1733.336	1746.314	1754.052
35.0	1652.135	1657.577	1644.859	1651.211	1644.648	1673.814	1683.230	1684.743	1697.142	1705.607
37.5	1601.391	1607.513	1594.546	1601.132	1595.253	1623.908	1635.031	1636.122	1647.690	1656.042
40.0	1524.936	1538.928	1527.568	1544.365	1535.943	1571.391	1584.674	1584.947	1595.408	1602.642
42.5	1436.958	1446.545	1447.500	1460.489	1473.929	1516.375	1532.999	1533.319	1538.098	1546.783
45.0	1209.158	1262.812	1255.941	1328.795	1282.166	1388.092	1409.558	1401.915	1428.767	1410.217
47.5	936.004	989.797	998.386	1065.149	1068.183	1206.495	1253.729	1263.314	1249.958	1235.237
50.0	718.528	758.056	769.617	820.617	816.609	967.828	1003.828	980.795	1024.000	980.610
52.5	513.013	557.413	553.828	614.795	561.535	698.010	723.170	702.542	748.811	698.809
55.0	423.166	437.433	441.538	459.778	461.486	534.826	562.209	556.087	562.361	545.782
57.5	347.949	363.849	362.419	382.539	366.638	415.638	427.850	419.687	446.408	423.623
60.0	311.893	318.350	318.519	324.731	322.039	349.329	362.158	361.094	370.494	362.507
62.5	278.094	284.720	282.071	289.440	279.979	298.283	305.280	308.565	318.567	310.134
65.0	258.518	261.384	258.676	261.575	258.038	271.440	279.167	283.196	287.139	284.970
67.5	237.929	241.150	236.929	240.266	235.841	249.050	254.954	258.573	265.009	261.665
70.0	210.729	214.270	213.131	215.776	212.751	226.482	235.091	235.831	241.384	240.100
72.5	178.910	184.977	185.281	189.738	184.665	201.998	211.608	209.974	216.420	213.828
75.0	139.973	148.390	147.312	154.248	151.055	171.611	181.020	181.376	183.636	177.898
77.5	104.134	110.022	111.641	118.300	114.456	137.657	145.096	142.491	146.804	139.038
80.0	69.559	72.833	77.306	82.201	79.178	102.214	108.073	105.390	108.049	101.513
82.5	36.392	40.674	43.585	47.150	45.603	66.803	72.110	71.110	72.045	67.628
85.0	9.891	11.871	13.213	16.190	16.504	32.865	38.000	37.447	37.994	35.411
87.5	1.560	1.595	2.390	2.091	2.569	8.796	9.408	10.003	10.070	7.953
90.0	1.393	1.164	1.115	0.544	0.796	1.191	1.353	1.003	0.329	1.183
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	2125.871	2125.871	2125.871	2125.871	2125.871	2125.871	2125.871
2.5	2125.491	2125.400	2125.652	2123.734	2119.895	2119.524	2116.825
5.0	2123.367	2120.635	2122.670	2118.715	2112.551	2110.026	2106.911
7.5	2110.513	2109.623	2111.922	2102.057	2094.755	2094.897	2089.727
10.0	2096.727	2094.280	2099.305	2083.811	2076.318	2077.779	2070.158
12.5	2074.176	2073.742	2076.646	2055.961	2047.923	2050.419	2044.922
15.0	2049.881	2047.205	2052.493	2026.054	2018.612	2020.554	2015.192
17.5	2016.485	2015.194	2016.666	1988.406	1981.048	1982.359	1977.495
20.0	1981.362	1977.115	1980.004	1948.964	1941.851	1942.936	1936.839
22.5	1940.419	1934.772	1935.798	1904.697	1894.559	1898.506	1892.242
25.0	1898.411	1890.289	1891.184	1858.238	1846.624	1853.731	1847.010
27.5	1853.837	1844.662	1840.947	1807.507	1796.527	1802.808	1801.127
30.0	1808.511	1797.627	1790.565	1756.276	1745.981	1751.974	1752.848
32.5	1761.837	1750.045	1739.227	1704.320	1694.372	1702.332	1702.669
35.0	1714.800	1702.205	1688.493	1653.185	1642.154	1652.076	1652.135
37.5	1667.275	1654.295	1640.168	1602.986	1588.860	1597.831	1601.391
40.0	1615.927	1602.253	1587.737	1538.868	1517.608	1532.615	1524.936
42.5	1560.609	1549.478	1523.911	1462.719	1422.168	1422.938	1436.958
45.0	1432.658	1392.884	1410.297	1282.604	1237.447	1266.137	1209.158
47.5	1246.488	1226.923	1195.350	1034.450	961.349	979.298	936.004
50.0	1000.573	940.067	963.821	801.829	734.800	730.770	718.528
52.5	718.530	658.416	707.163	577.015	547.377	559.828	513.013
55.0	549.756	529.884	524.776	457.854	433.500	431.077	423.166
57.5	433.264	409.944	428.841	377.068	364.067	366.914	347.949
60.0	365.696	356.490	359.455	330.605	321.295	318.678	311.893
62.5	314.238	307.946	313.929	292.634	290.423	288.900	278.094
65.0	285.794	282.467	282.774	267.669	265.287	263.166	258.518

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CANDELA TABULATION - (Cont.)

67.5	262.368	257.784	261.309	244.768	241.990	241.051	237.929
70.0	239.566	235.113	237.024	218.169	213.606	214.333	210.729
72.5	213.842	206.622	211.265	188.591	182.913	185.377	178.910
75.0	177.881	173.016	173.787	150.916	144.378	146.441	139.973
77.5	140.836	134.375	135.310	111.746	106.452	107.310	104.134
80.0	103.234	97.864	96.971	74.038	70.302	69.349	69.559
82.5	66.212	63.044	62.915	39.930	37.649	38.203	36.392
85.0	33.077	29.099	26.240	10.609	8.851	8.836	9.891
87.5	7.341	5.233	5.173	1.914	1.420	1.669	1.560
90.0	0.652	0.902	1.142	0.925	1.711	0.432	1.393
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	772.82	N.A.	16.70
0-30	1633.88	N.A.	35.30
0-40	2680.81	N.A.	58.00
0-60	4147.89	N.A.	89.70
0-80	4590.16	N.A.	99.30
0-90	4624.7	N.A.	100.00
10-90	4423.95	N.A.	95.70
20-40	1907.99	N.A.	41.30
20-50	2901.16	N.A.	62.70
40-70	1739.88	N.A.	37.60
60-80	442.28	N.A.	9.60
70-80	169.48	N.A.	3.70
80-90	34.54	N.A.	0.70
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	4624.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	200.75
10-20	572.07
20-30	861.06
30-40	1046.93
40-50	993.16
50-60	473.91
60-70	272.80
70-80	169.48
80-90	34.54
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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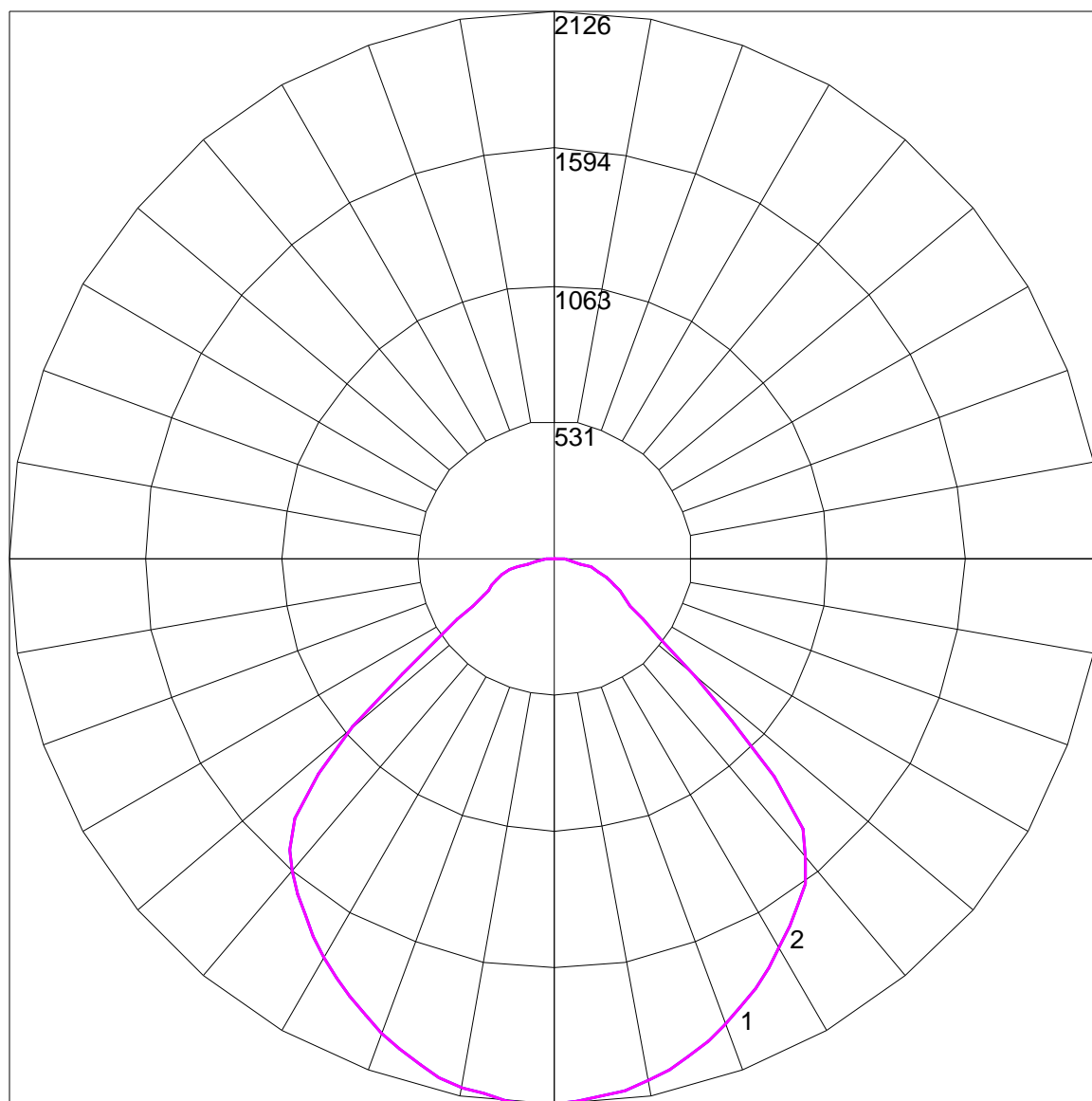
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	52
6	75	63	55	49	73	62	55	49	60	54	49	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	65	53	45	40	64	52	45	39	51	44	39	50	44	39	49	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	34
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00712 ~ HT1813GV-55L35K-EX-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 2125.871 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)