

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00666 ~ RW2007GV-15L35K-EX-TF1.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00666\_M-15L  
[TESTLAB] Spectrum Photometric Lab VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 4/20/2018  
[UPDATE] 4/26/2018  
[LUMCAT] RW2007GV-15L-35K-EX-TF1-MW  
[LUMINAIRE] Nom. 10" diam x 8" H, Classic RLM Radial Wave  
[OTHER] Regressed, 4" diam. low profile frosted glass diffuser  
[OTHER] Reflector: Matte White interior finish  
[OTHER] Beam Angle: 100 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, scaled from 27L  
[\_CRI]85+

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1144
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.67 ft (Diameter)
Luminous Width (90-270)	1.67 ft (Diameter)
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1830	1808	1804
55	1686	1647	1648
65	1478	1435	1436
75	1366	1347	1326
85	2196	2181	2104

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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>
<b>0.0</b>	452.627	452.627	452.627	452.627	452.627	452.627	452.627	452.627	452.627	452.627
<b>2.5</b>	452.319	452.688	453.239	452.062	453.127	451.101	451.793	451.544	450.910	451.840
<b>5.0</b>	450.113	449.899	450.895	450.033	450.441	448.421	449.074	448.519	448.284	447.440
<b>7.5</b>	445.336	446.048	447.460	446.265	447.137	443.148	444.933	443.740	443.943	441.713
<b>10.0</b>	439.229	440.227	440.664	440.814	440.189	436.368	438.153	436.550	438.516	434.150
<b>12.5</b>	431.694	433.255	432.625	433.121	432.459	427.036	430.160	427.920	429.761	425.958
<b>15.0</b>	422.061	424.378	422.433	423.508	421.884	417.052	420.222	417.896	419.156	415.319
<b>17.5</b>	410.433	414.306	411.577	412.264	410.835	406.082	409.088	407.141	407.637	403.984
<b>20.0</b>	399.392	402.520	399.535	399.784	397.875	393.679	396.292	395.456	395.683	391.376
<b>22.5</b>	388.837	390.361	387.186	386.711	384.664	379.394	383.633	383.355	383.100	378.474
<b>25.0</b>	376.751	377.738	373.811	373.247	370.605	365.624	371.146	370.629	370.257	364.956
<b>27.5</b>	363.529	364.490	360.217	359.833	356.471	352.445	357.944	357.662	356.980	351.319
<b>30.0</b>	349.974	350.545	346.314	346.447	343.280	338.865	343.963	344.089	343.547	337.284
<b>32.5</b>	336.204	336.750	332.359	333.512	330.138	324.872	329.894	330.316	329.852	323.190
<b>35.0</b>	322.412	323.102	318.309	320.806	316.590	310.909	315.740	316.487	316.079	309.116
<b>37.5</b>	308.608	308.834	304.247	307.181	303.033	296.973	301.307	302.644	301.438	295.044
<b>40.0</b>	294.060	294.031	289.890	293.159	289.474	282.677	286.638	287.173	286.583	280.718
<b>42.5</b>	279.144	278.659	275.506	278.647	275.813	268.099	271.440	271.335	271.444	266.374
<b>45.0</b>	263.548	262.853	260.346	263.952	259.891	252.761	255.851	255.044	256.249	251.097
<b>47.5</b>	247.665	246.836	245.149	247.594	243.933	236.890	239.235	238.670	239.793	235.789
<b>50.0</b>	231.364	230.678	227.752	230.706	227.532	220.451	221.947	221.946	223.142	219.823
<b>52.5</b>	214.914	213.562	210.306	213.240	210.917	203.668	204.753	205.173	205.878	203.803
<b>55.0</b>	196.989	195.885	192.466	195.622	192.521	186.009	187.614	188.068	188.541	186.002
<b>57.5</b>	178.606	178.281	174.651	177.303	174.215	167.890	170.282	170.929	171.376	168.233
<b>60.0</b>	160.787	160.713	157.344	158.829	156.466	150.675	152.854	154.198	154.224	150.951
<b>62.5</b>	143.111	144.001	140.092	141.708	139.105	133.881	136.821	137.493	138.532	133.889
<b>65.0</b>	127.200	127.662	123.491	124.821	123.651	118.361	121.390	121.727	122.912	118.948
<b>67.5</b>	111.646	112.675	107.544	110.410	108.381	103.331	106.893	106.213	108.328	104.263
<b>70.0</b>	97.093	98.115	94.654	96.345	93.623	89.981	92.685	93.495	94.446	90.671
<b>72.5</b>	83.324	84.493	82.411	83.372	80.832	77.317	81.290	81.352	83.539	78.555
<b>75.0</b>	72.022	72.422	71.006	71.583	69.923	67.089	70.475	70.299	72.452	68.261
<b>77.5</b>	62.507	63.229	61.644	61.168	61.160	58.043	60.572	60.857	61.446	58.697
<b>80.0</b>	54.048	54.019	53.245	51.751	52.211	49.846	51.630	51.981	52.725	50.606
<b>82.5</b>	46.191	45.672	45.733	44.283	43.949	42.108	44.358	43.791	44.988	43.535
<b>85.0</b>	38.982	39.297	38.712	37.777	37.344	35.557	36.686	36.568	36.641	35.957
<b>87.5</b>	31.822	32.315	31.769	31.613	29.437	26.482	26.996	27.652	27.357	26.911
<b>90.0</b>	22.717	14.806	19.390	13.185	18.053	16.266	11.384	16.321	11.053	15.189
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	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. 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	452.627	452.627	452.627	452.627	452.627	452.627	452.627
2.5	451.569	451.339	452.472	451.279	451.793	451.104	452.319
5.0	447.506	446.892	446.974	448.971	448.735	448.528	450.113
7.5	441.957	439.740	440.667	443.257	444.643	444.448	445.336
10.0	433.816	431.434	432.187	436.240	437.492	438.640	439.229
12.5	425.012	422.314	423.345	427.586	429.291	431.217	431.694
15.0	415.192	411.967	413.679	418.408	419.419	422.173	422.061
17.5	404.067	400.870	403.259	407.963	409.052	412.210	410.433
20.0	391.177	389.130	391.323	397.177	397.269	401.444	399.392
22.5	378.086	377.039	379.476	385.732	385.144	389.599	388.837
25.0	364.757	363.930	367.782	374.140	372.742	376.907	376.751
27.5	351.046	350.345	355.645	361.794	360.287	364.344	363.529
30.0	336.931	337.017	342.836	349.318	348.379	351.870	349.974
32.5	322.709	323.792	330.427	336.787	336.555	338.756	336.204
35.0	308.389	310.598	318.557	324.248	323.708	325.262	322.412
37.5	294.995	297.414	305.542	310.856	310.747	311.593	308.608
40.0	282.346	283.701	291.185	297.382	296.488	297.831	294.060
42.5	268.518	269.836	277.142	283.577	282.133	282.956	279.144
45.0	253.841	254.744	263.423	269.753	266.116	267.577	263.548
47.5	238.249	239.365	247.928	253.048	250.032	251.694	247.665
50.0	222.086	222.945	230.804	236.259	233.623	235.617	231.364
52.5	204.963	206.321	212.969	218.737	217.168	218.199	214.914
55.0	187.322	188.309	194.563	201.222	199.016	200.333	196.989
57.5	169.908	170.091	176.474	183.859	180.934	182.853	178.606
60.0	152.601	152.830	158.610	166.520	164.042	165.480	160.787
62.5	135.998	135.674	141.345	149.496	147.175	147.693	143.111
65.0	119.683	119.578	124.455	132.618	130.560	129.811	127.200

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**CANDELA TABULATION - (Cont.)**

67.5	104.764	103.678	109.411	116.783	114.428	114.303	111.646
70.0	90.252	90.508	95.206	101.685	100.401	99.321	97.093
72.5	78.225	78.292	83.093	88.373	86.874	86.991	83.324
75.0	67.408	68.173	71.794	76.975	73.978	74.891	72.022
77.5	58.650	58.889	61.930	66.678	64.173	63.088	62.507
80.0	50.676	50.312	52.427	56.409	55.746	55.305	54.048
82.5	42.929	42.572	44.115	48.121	48.036	47.716	46.191
85.0	35.581	35.456	36.997	40.127	40.234	40.013	38.982
87.5	27.657	28.140	28.924	32.932	32.130	33.614	31.822
90.0	12.296	18.974	13.201	12.138	19.374	14.047	22.717
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	160.43	N.A.	14.00
0-30	331.31	N.A.	29.00
0-40	529.99	N.A.	46.30
0-60	902.20	N.A.	78.90
0-80	1102.00	N.A.	96.30
0-90	1141.87	N.A.	99.80
10-90	1099.4	N.A.	96.10
20-40	369.56	N.A.	32.30
20-50	569.71	N.A.	49.80
40-70	495.80	N.A.	43.30
60-80	199.80	N.A.	17.50
70-80	76.21	N.A.	6.70
80-90	39.87	N.A.	3.50
90-110	2.13	N.A.	0.20
90-120	2.13	N.A.	0.20
90-130	2.13	N.A.	0.20
90-150	2.13	N.A.	0.20
90-180	2.13	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	1144.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	42.48
10-20	117.95
20-30	170.88
30-40	198.67
40-50	200.15
50-60	172.07
60-70	123.58
70-80	76.21
80-90	39.87
90-100	2.13
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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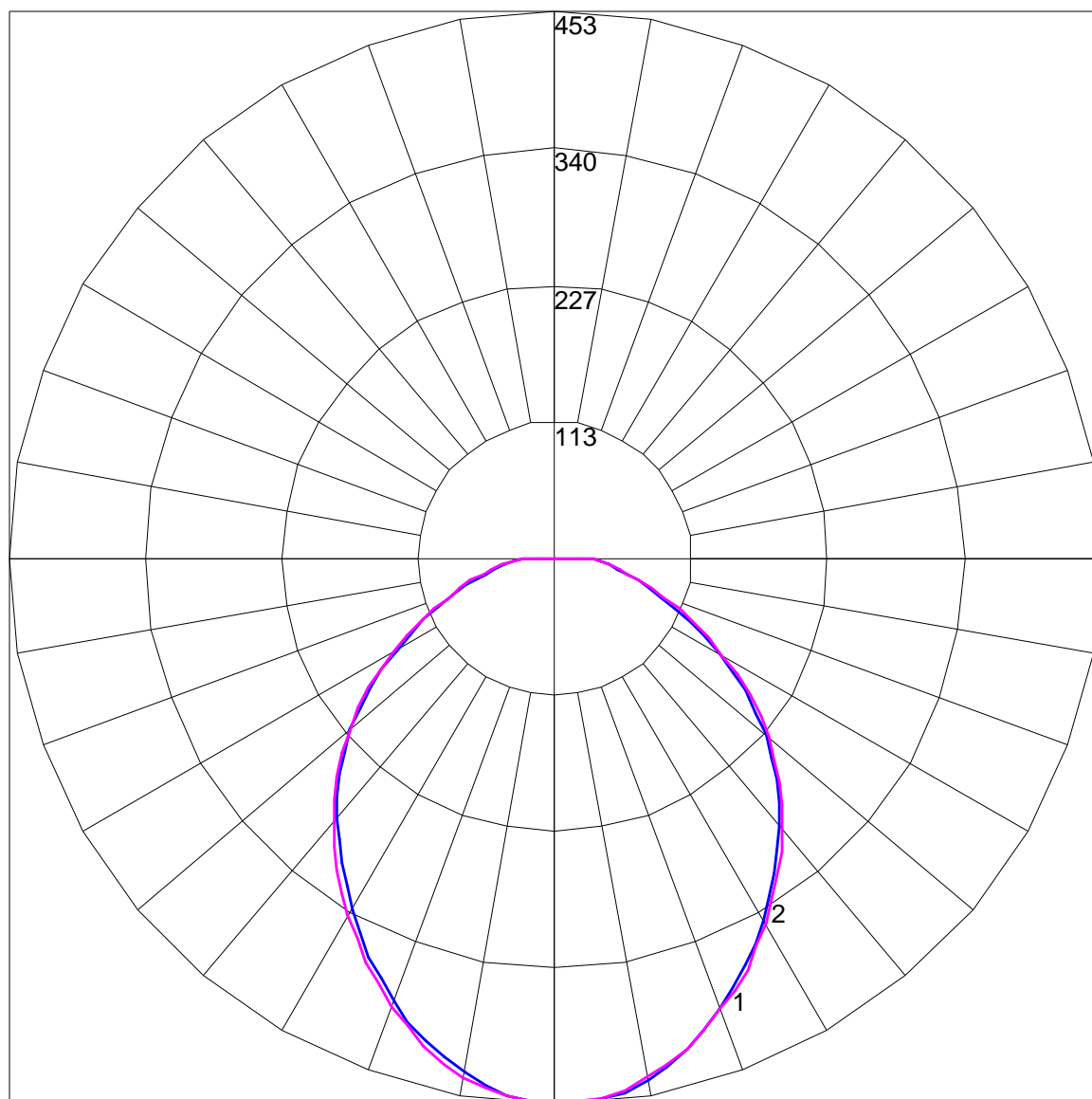
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00666 ~ RW2007GV-15L35K-EX-TF1.IES

POLAR GRAPH



Maximum Candela = 453.239 Located At Horizontal Angle = 45, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)