

IES Report

ZipTwo® | 707 | Micro 3508, 85° Asymmetric | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-A1-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	73	75	76	76
Total Lumens, 4' rail length (1219mm)	1884	1944	1984	1984
Lumens per foot (305mm)	471	486	496	496
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	82	82	82	82

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the [IES File Finder](#) page on [vode.com](#).



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_A1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911525 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-SO-35-A1-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, micro 3508, 85° asymmetric lens,

[MORE] standard output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1984
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.40
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.60
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.04 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	114271	88486	28693
55	107116	78270	24414
65	92877	65229	21090
75	78569	54156	17814
85	78829	49663	12362

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129
5	699.318	699.028	697.183	694.364	690.478	685.606	679.586	672.487	664.413	655.957
10	876.484	874.733	870.267	863.748	854.514	842.844	828.646	811.919	793.150	773.418
15	1045.485	1043.339	1036.924	1027.099	1013.202	994.816	973.136	946.885	918.001	886.692
20	1187.840	1184.917	1177.528	1164.884	1147.379	1124.632	1096.826	1063.372	1024.872	983.448
25	1287.206	1283.714	1275.640	1261.929	1242.778	1217.002	1185.694	1147.286	1103.821	1053.257
30	1337.770	1335.044	1326.298	1312.006	1292.855	1264.748	1230.226	1189.684	1142.623	1086.131
35	1337.967	1335.531	1327.272	1312.981	1292.948	1265.038	1228.962	1185.984	1136.104	1075.912
40	1289.352	1286.626	1279.039	1265.432	1244.819	1216.910	1179.964	1135.420	1082.918	1021.948
45	1196.192	1193.478	1185.891	1172.470	1152.924	1124.632	1086.607	1041.297	987.624	926.272
50	1065.506	1063.175	1056.076	1043.629	1023.990	996.080	960.109	913.918	859.757	800.539
55	909.544	907.700	901.958	890.486	871.624	845.373	811.536	767.874	718.284	664.610
60	744.244	742.203	737.052	727.134	710.210	686.778	656.734	618.616	575.928	530.619
65	581.079	579.629	575.441	566.788	552.496	533.240	508.347	477.433	443.491	408.100
70	430.952	429.884	425.894	419.189	408.100	392.927	373.972	352.188	326.714	300.463
75	301.043	300.069	297.157	291.902	283.643	272.461	258.448	242.510	225.202	207.501
80	189.614	188.732	186.598	182.897	176.877	169.290	159.952	149.652	138.562	127.380
85	101.709	101.222	99.667	97.138	93.252	88.485	82.940	76.920	70.598	64.078
90	41.806	41.516	40.646	39.092	37.050	34.522	31.796	28.582	25.474	22.458
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	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>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129
5	646.526	636.318	626.098	615.310	604.035	592.946	581.473	570.001	558.424	546.952
10	751.344	728.399	703.702	678.217	653.138	627.850	601.796	576.218	551.812	527.023
15	851.208	814.645	775.843	735.104	695.339	655.365	613.849	575.928	539.168	502.512
20	936.480	888.061	834.771	780.030	726.056	672.197	616.575	566.498	519.042	472.375
25	997.055	937.941	873.271	806.084	739.964	674.041	606.657	546.174	490.065	436.299
30	1023.016	956.513	883.004	806.281	730.533	653.811	580.104	513.207	451.855	394.678
35	1007.947	935.900	857.043	774.486	694.074	612.979	536.059	467.028	405.571	348.882
40	949.611	875.614	794.322	711.184	631.063	551.325	476.656	411.208	353.545	301.240
45	854.410	781.098	703.215	624.161	549.283	476.841	409.457	351.120	300.359	255.142
50	733.932	667.035	598.583	526.431	461.866	400.908	343.047	294.524	251.836	214.507
55	606.262	546.082	488.314	432.112	377.081	329.046	282.274	242.405	207.304	176.970
60	482.873	434.455	388.264	340.518	303.085	263.123	226.652	195.541	167.632	143.620

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CANDELA TABULATION - (Cont.)

65	372.128	335.368	300.556	266.916	233.949	203.998	177.457	153.340	131.950	113.668
70	274.398	247.660	221.989	197.003	174.244	152.180	132.634	114.736	98.600	85.666
75	189.022	170.845	153.538	136.428	120.768	105.595	91.408	79.147	68.254	59.021
80	115.907	104.528	93.635	82.940	73.126	63.498	54.555	46.574	39.579	34.232
85	57.861	51.539	45.310	39.475	34.034	28.780	23.722	19.546	15.950	13.711
90	19.453	16.437	13.514	10.695	8.271	5.835	3.793	2.134	1.264	1.172
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	100	105	110	115	120	125	130	135	140	145
0	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129	560.129
5	535.966	525.364	514.866	505.331	495.610	487.061	479.277	471.691	464.986	459.151
10	504.461	483.070	462.457	443.108	425.987	410.048	395.560	382.336	371.049	361.038
15	469.939	439.605	411.313	385.735	363.463	343.441	325.937	309.697	296.566	285.290
20	431.926	394.388	362.396	332.932	308.340	287.239	268.668	253.008	240.665	229.866
25	390.885	350.146	315.822	285.870	261.568	241.442	224.808	210.424	199.624	191.168
30	347.617	306.391	272.844	244.354	222.186	204.392	190.286	178.721	170.160	162.968
35	303.282	264.387	233.752	209.252	189.904	175.021	163.166	153.828	147.018	141.578
40	260.014	225.690	199.334	178.721	162.388	150.232	140.696	133.412	128.064	124.074
45	219.855	190.878	168.896	151.983	138.562	128.841	121.255	115.617	111.534	108.321
50	185.240	161.217	143.132	128.841	118.529	110.362	104.528	100.247	97.231	94.714
55	153.340	134.572	119.120	108.031	100.537	93.740	88.879	85.272	82.557	80.516
60	124.851	110.072	99.470	89.552	82.650	77.395	73.509	70.598	68.452	66.607
65	101.802	87.800	78.474	71.572	66.027	61.944	58.824	56.399	54.450	53.093
70	75.064	66.317	59.508	54.253	50.077	46.968	44.532	42.491	41.134	39.869
75	51.632	45.600	41.134	37.630	34.614	32.573	30.821	29.464	28.397	27.620
80	29.951	26.448	24.024	22.075	20.416	19.256	18.282	17.504	16.924	16.437
85	12.052	10.788	9.918	9.141	8.654	8.166	7.876	7.586	7.482	7.296
90	1.172	0.974	0.870	0.777	0.777	0.684	0.580	0.580	0.580	0.580
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	560.129	560.129	560.129	560.129	560.129	560.129	560.129
5	453.896	449.430	446.124	442.911	441.067	439.802	439.315
10	352.188	345.286	339.358	334.683	331.574	329.533	328.848
15	275.465	267.983	261.568	256.998	253.692	251.650	251.059
20	221.015	214.310	208.858	204.879	201.956	200.402	199.729
25	184.069	178.524	174.244	171.042	169.000	167.829	167.249
30	157.528	153.433	150.127	147.796	146.241	145.267	145.081
35	137.495	134.386	131.950	130.106	129.038	128.447	128.157
40	120.768	118.529	116.777	115.513	114.736	114.248	114.156
45	105.989	104.238	103.066	101.999	101.419	101.222	101.129
50	92.765	91.501	90.526	89.749	89.355	89.169	89.065
55	78.961	77.882	77.105	76.432	76.038	75.841	75.841
60	65.250	64.276	63.591	63.011	62.617	62.431	62.431
65	51.829	51.052	50.367	49.880	49.497	49.393	49.393
70	38.988	38.315	37.723	37.340	37.050	36.853	36.760
75	26.935	26.448	25.961	25.671	25.474	25.381	25.276
80	16.043	15.753	15.463	15.266	15.068	15.068	14.976
85	7.192	7.099	6.902	6.902	6.902	6.809	6.809
90	0.580	0.580	0.580	0.580	0.580	0.580	0.580
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	223.39	N.A.	11.30
0-30	508.83	N.A.	25.70
0-40	877.29	N.A.	44.20
0-60	1584.28	N.A.	79.90
0-80	1938.12	N.A.	97.70
0-90	1980.41	N.A.	99.80
10-90	1926.14	N.A.	97.10
20-40	653.90	N.A.	33.00
20-50	1036.05	N.A.	52.20
40-70	935.02	N.A.	47.10
60-80	353.84	N.A.	17.80
70-80	125.81	N.A.	6.30
80-90	42.29	N.A.	2.10
90-110	3.16	N.A.	0.20
90-120	3.16	N.A.	0.20
90-130	3.16	N.A.	0.20
90-150	3.16	N.A.	0.20
90-180	3.16	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	1983.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.26
10-20	169.13
20-30	285.44
30-40	368.46
40-50	382.15
50-60	324.83
60-70	228.03
70-80	125.81
80-90	42.29
90-100	3.16
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

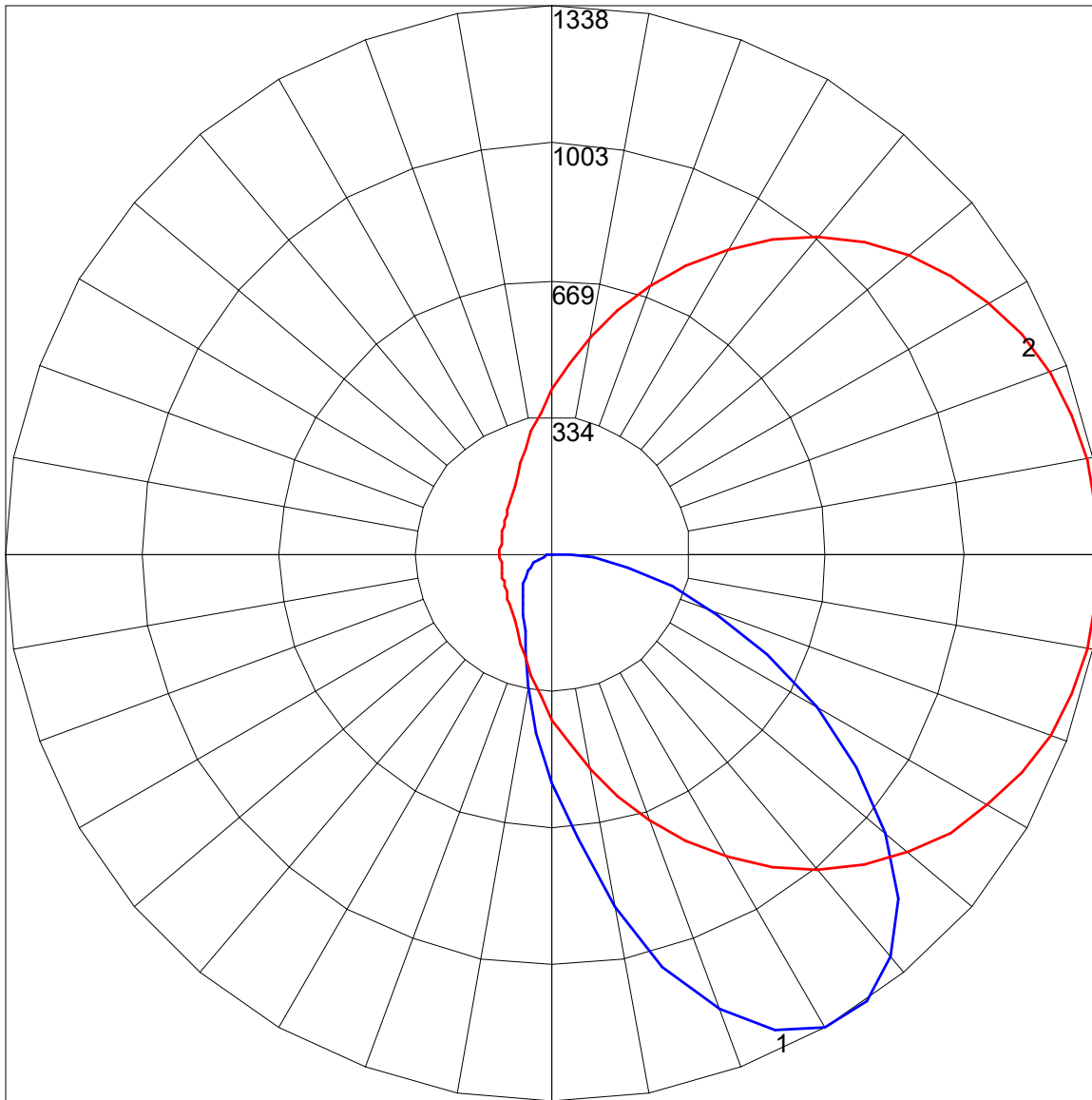
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1337.967 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)