

IES Report

ZipTwo® | 707 | Square 3536/30, Soft Wash | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-A3-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	105	107	107
Total Lumens, 4' rail length (1219mm)	2634	2717	2772	2772
Lumens per foot (305mm)	658	679	693	693
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_A3_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L092011501 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-SO-35-A3-WH

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,

[MORE] square 3536/30 soft wash lens, standard output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2772
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	26.03
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.74
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16590	16193	15299
55	16013	15609	14559
65	15410	14977	13743
75	14809	14301	12681
85	14188	13639	11593

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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	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798
5	859.757	859.572	859.270	858.400	857.333	855.674	854.027	851.985	849.746	847.020
10	903.327	903.025	901.761	899.824	897.388	894.186	890.288	885.532	880.568	874.443
15	936.770	936.387	934.531	931.712	927.733	922.386	916.446	909.162	900.891	892.144
20	960.109	959.529	957.093	953.207	948.056	940.853	932.779	923.163	912.073	900.206
25	972.161	971.384	968.565	963.705	957.186	948.439	938.614	926.364	912.850	898.269
30	973.716	972.266	968.960	963.322	955.736	945.620	933.951	919.752	904.000	886.890
35	963.798	962.440	958.357	952.232	943.672	932.489	919.172	903.420	885.915	866.079
40	943.579	942.117	937.651	931.039	921.794	909.347	894.569	877.656	858.783	837.207
45	914.022	912.468	908.083	900.798	890.880	877.749	861.799	844.004	823.588	800.446
50	876.484	875.023	870.162	862.680	852.368	838.564	821.744	802.882	782.072	758.246
55	832.335	830.885	825.827	817.846	807.256	793.150	776.620	756.494	733.642	708.946
60	783.139	781.480	776.527	768.454	757.178	742.586	725.383	704.770	681.430	655.852
65	728.689	726.937	722.170	714.096	702.438	687.648	669.958	649.148	625.031	599.465
70	670.735	668.984	664.030	655.760	643.707	629.022	611.320	590.022	566.010	539.852
75	609.476	607.921	602.574	594.210	582.540	567.762	550.060	529.250	504.368	477.920
80	545.884	544.330	538.878	530.619	518.659	503.881	485.495	464.696	441.252	414.514
85	479.184	477.328	472.085	464.012	452.539	436.984	419.282	397.404	377.476	351.805
90	410.536	408.877	403.622	395.850	385.932	371.049	353.939	333.326	310.868	285.093
95	343.244	341.585	336.632	328.663	317.770	303.375	286.752	266.719	244.261	220.342
100	273.621	272.159	267.299	259.620	249.122	235.608	219.658	200.796	179.591	156.936
105	204.775	203.510	199.044	191.748	181.934	169.186	154.315	136.810	117.067	96.164
110	138.655	137.495	133.214	126.602	117.554	105.792	92.185	76.038	57.954	38.802
115	75.655	74.286	70.493	64.473	56.399	45.704	33.350	18.769	5.255	0.000
120	16.530	15.358	12.157	7.389	2.726	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	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798
5	844.294	841.383	837.984	834.678	831.372	827.672	823.983	820.190	816.779	812.696
10	868.121	861.416	854.212	846.348	838.761	830.595	822.231	814.065	805.887	797.048
15	882.226	871.914	860.639	848.772	837.010	824.853	811.722	799.182	786.828	773.604
20	886.890	873.178	858.203	842.357	826.407	810.272	793.057	776.434	759.800	742.296
25	881.925	865.012	846.533	827.092	807.638	788.000	766.215	745.706	725.278	703.795
30	867.831	847.705	826.024	803.462	781.005	757.666	732.378	708.458	684.644	659.750
35	844.596	822.127	798.010	772.351	746.773	719.444	692.126	665.098	638.162	610.253
40	813.183	789.067	762.526	734.234	706.034	676.373	646.132	616.575	587.308	556.580
45	775.460	749.198	720.232	690.177	659.843	627.850	595.474	564.062	532.266	499.496
50	730.823	703.018	672.777	640.877	608.988	575.441	541.117	507.570	474.417	439.698
55	681.338	652.361	620.751	587.888	554.631	520.411	484.718	448.839	414.317	380.190
60	627.363	597.029	565.523	532.370	497.072	461.680	425.210	390.700	354.334	317.573

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CANDELA TABULATION - (Cont.)

65	570.674	539.365	507.187	473.350	437.169	399.643	365.609	329.336	292.192	255.444
70	511.270	479.962	446.507	406.058	377.476	340.321	303.862	267.496	230.747	195.541
75	449.523	418.018	386.025	350.830	315.729	278.876	242.800	207.014	170.160	137.008
80	387.579	356.271	323.014	288.399	253.889	217.906	182.027	147.506	112.984	85.376
85	323.014	292.297	260.107	226.270	193.117	158.688	124.364	91.698	59.902	29.174
90	257.288	228.508	197.583	165.787	134.386	102.683	70.598	38.698	9.048	0.000
95	193.790	166.564	137.298	107.254	77.790	48.128	17.702	0.000	0.000	0.000
100	132.043	106.674	79.437	51.434	23.826	2.436	0.000	0.000	0.000	0.000
105	73.219	49.683	24.499	3.503	0.000	0.000	0.000	0.000	0.000	0.000
110	17.794	2.239	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. Horizontal Angles
Angles

	100	105	110	115	120	125	130	135	140	145
0	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798	818.798
5	809.007	805.214	801.618	798.312	795.006	792.373	789.264	786.445	783.916	781.678
10	789.067	781.005	773.024	765.542	758.443	751.436	745.022	738.700	733.259	728.294
15	761.169	748.525	736.855	724.988	714.096	703.795	693.970	684.539	676.373	668.786
20	725.963	709.236	693.587	677.927	663.729	650.215	637.571	625.031	614.429	604.511
25	683.762	664.216	644.484	625.611	608.408	592.168	576.903	561.927	549.190	537.428
30	636.214	612.689	590.904	569.119	548.993	530.132	512.720	495.714	481.226	467.700
35	584.199	557.937	533.240	508.938	486.574	465.763	446.414	427.448	411.313	396.720
40	527.997	499.206	472.271	446.704	422.008	399.539	378.056	358.417	341.295	325.357
45	468.779	438.144	409.364	382.626	356.561	332.642	309.987	289.466	271.382	254.666
50	407.415	375.330	345.866	317.573	290.348	265.942	242.707	221.305	202.733	185.913
55	346.747	313.490	283.052	253.495	226.850	201.179	178.431	156.936	138.075	120.768
60	283.736	251.360	218.880	190.391	164.036	139.049	116.197	94.122	75.748	58.638
65	221.502	189.614	158.792	130.778	102.973	78.857	56.492	35.299	17.110	2.923
70	162.481	130.488	100.734	73.614	46.377	22.655	4.280	0.000	0.000	0.000
75	105.305	74.971	46.087	19.546	0.000	0.000	0.000	0.000	0.000	0.000
80	51.539	22.168	1.752	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	4.478	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_A3_WH.IES

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.
Angles**

Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	818.798	818.798	818.798	818.798	818.798	818.798	818.798
5	779.740	777.884	776.434	775.356	774.486	773.998	773.801
10	723.828	720.128	716.926	714.583	712.646	711.764	711.382
15	662.082	656.630	651.966	648.370	645.644	644.287	643.510
20	596.054	589.060	583.318	578.457	575.151	573.017	572.332
25	527.313	518.752	511.560	505.818	501.735	499.403	498.429
30	455.845	446.310	437.761	431.439	426.764	424.050	423.365
35	383.983	373.195	364.054	356.955	351.990	348.986	347.907
40	311.448	299.976	290.255	282.669	277.321	274.201	273.041
45	240.178	228.114	217.999	210.030	204.485	201.086	200.112
50	171.042	158.792	148.283	140.116	134.676	131.080	130.106
55	105.792	94.517	83.230	75.168	69.519	66.027	64.948
60	43.662	31.506	21.298	13.224	7.784	4.663	3.886
65	1.752	1.752	1.752	1.752	1.752	1.752	1.752
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_A3_WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	300.06	N.A.	10.80
0-30	636.53	N.A.	23.00
0-40	1041.2	N.A.	37.60
0-60	1848.19	N.A.	66.70
0-80	2420.93	N.A.	87.30
0-90	2598.96	N.A.	93.80
10-90	2521.34	N.A.	91.00
20-40	741.14	N.A.	26.70
20-50	1161.47	N.A.	41.90
40-70	1128.75	N.A.	40.70
60-80	572.74	N.A.	20.70
70-80	250.98	N.A.	9.10
80-90	178.04	N.A.	6.40
90-110	160.13	N.A.	5.80
90-120	172.90	N.A.	6.20
90-130	173.19	N.A.	6.20
90-150	173.19	N.A.	6.20
90-180	173.19	N.A.	6.20
110-180	13.07	N.A.	0.50
0-180	2772.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	77.62
10-20	222.44
20-30	336.47
30-40	404.67
40-50	420.33
50-60	386.66
60-70	321.76
70-80	250.98
80-90	178.04
90-100	108.90
100-110	51.23
110-120	12.77
120-130	0.29
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

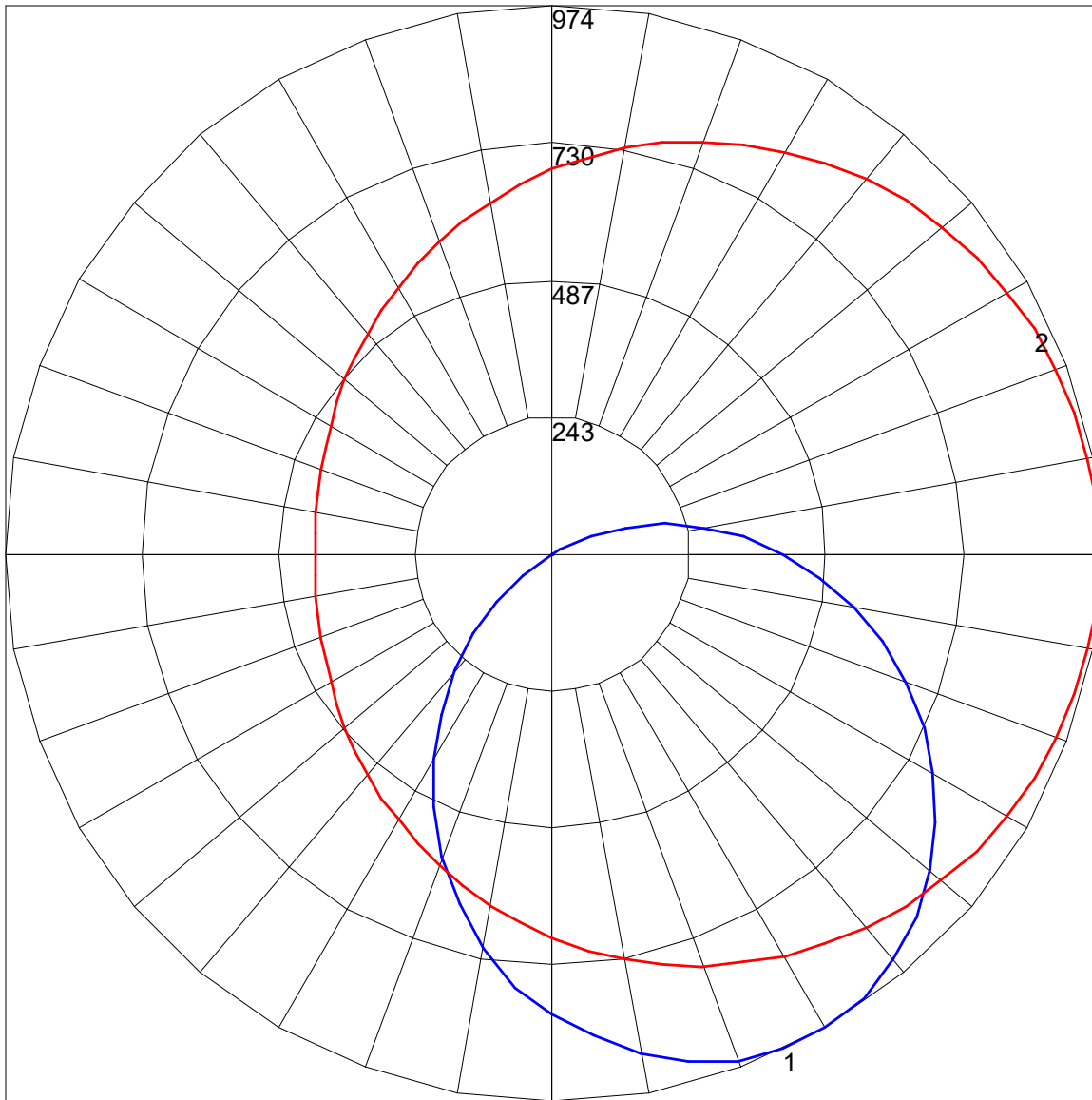
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	105	99	94	90	102	96	92	88	91	87	84	86	83	80	81	79	76	74
2	95	86	78	72	92	83	76	70	79	73	68	74	69	65	70	66	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	62	57	53	50
4	79	66	57	50	76	64	56	49	61	53	48	58	51	46	55	49	45	42
5	72	59	49	42	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	22
10	50	37	29	24	49	36	28	23	35	28	23	33	27	23	32	26	22	20

POLAR GRAPH



Maximum Candela = 973.716 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)