

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3555, Single Side Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-JA-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	110	113	115	115
Total Lumens, 4' rail length (1219mm)	2846	2936	2996	2996
Lumens per foot (305mm)	712	734	749	749
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_CC_SO_35_JA_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L082011209 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 5/12/2021
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-CC-Z-SO-35-JA-WH
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,
[MORE] square 3555, single side diffuse lens, standard output, white painted finish
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	26.18
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Unknown
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171
5	1.399	1.399	1.506	1.506	1.506	1.709	1.709	1.709	1.709	1.805
10	0.598	0.705	0.801	0.801	0.801	0.897	1.004	1.004	1.100	1.207
15	0.801	0.801	0.801	0.801	0.801	0.801	0.801	0.801	0.801	0.801
20	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004	1.004
25	1.207	1.207	1.303	1.303	1.207	1.207	1.207	1.100	1.100	1.100
30	1.602	1.602	1.506	1.506	1.506	1.506	1.399	1.303	1.303	1.303
35	1.805	1.901	1.901	1.805	1.805	1.709	1.709	1.602	1.506	1.399
40	2.200	2.200	2.200	2.104	2.104	2.104	1.901	1.805	1.709	1.602
45	2.606	2.510	2.510	2.510	2.403	2.307	2.200	2.104	2.008	1.805
50	2.809	2.809	2.809	2.702	2.702	2.510	2.510	2.307	2.200	2.008
55	3.012	3.108	3.108	3.012	2.905	2.905	2.702	2.606	2.403	2.200
60	3.407	3.407	3.311	3.311	3.204	3.108	2.905	2.809	2.606	2.403
65	3.610	3.610	3.503	3.503	3.407	3.311	3.108	3.012	2.809	2.606
70	3.813	3.813	3.813	3.706	3.610	3.503	3.311	3.204	3.012	2.809
75	4.005	4.005	4.005	3.909	3.813	3.706	3.503	3.311	3.108	2.905
80	4.208	4.208	4.208	4.112	4.005	3.909	3.706	3.503	3.311	3.012
85	4.411	4.411	4.303	4.303	4.112	4.112	3.909	3.706	3.407	3.204
90	4.411	4.411	4.411	4.303	4.303	4.112	3.909	3.706	3.503	3.204
95	4.411	4.411	4.411	4.303	4.303	4.112	3.909	3.813	3.503	3.204
100	4.614	4.614	4.507	4.411	4.411	4.208	4.112	3.909	3.610	3.407
105	4.614	4.614	4.614	4.614	4.411	4.303	4.208	3.909	3.706	3.503
110	4.806	4.806	4.614	4.614	4.614	4.411	4.303	4.112	3.909	3.610
115	4.806	4.806	4.710	4.614	4.614	4.411	4.303	4.112	3.909	3.706
120	4.806	4.806	4.614	4.614	4.614	4.411	4.303	4.208	4.005	3.610
125	4.806	4.710	4.614	4.614	4.507	4.411	4.208	4.112	3.909	3.706
130	4.806	4.614	4.614	4.411	4.411	4.303	4.112	4.112	3.813	3.706
135	4.614	4.411	4.411	4.411	4.303	4.208	4.005	3.909	3.813	3.706
140	4.614	4.303	4.208	4.208	4.112	3.909	4.005	3.909	3.909	3.909
145	4.411	4.208	4.005	4.005	3.813	3.909	4.005	4.005	4.112	4.005
150	4.208	4.005	3.813	3.706	3.706	3.909	4.112	4.208	4.208	4.005
155	4.005	3.813	3.706	3.407	3.706	3.909	4.208	4.208	4.112	4.005
160	3.610	3.610	3.108	3.311	3.610	4.112	4.005	4.005	3.909	3.909
165	3.407	3.012	2.809	3.204	3.909	3.813	3.813	3.813	4.005	4.112
170	3.610	3.012	3.204	4.005	4.208	4.507	4.806	5.212	5.714	6.312
175	6.013	6.718	7.411	8.117	8.117	8.416	8.523	8.619	8.714	8.714
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. 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	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171
5	1.901	2.008	2.606	4.112	5.714	8.117	11.823	16.234	20.740	25.952
10	1.303	1.399	1.602	1.709	1.805	2.008	4.710	10.723	20.346	31.666
15	0.897	1.004	1.207	1.399	1.602	1.805	2.008	6.108	19.640	37.081
20	1.004	1.004	0.897	1.004	1.207	1.399	1.805	3.012	18.935	42.281
25	1.100	1.100	1.004	0.897	1.004	1.207	1.602	1.805	17.943	47.194
30	1.207	1.100	1.100	1.100	0.897	1.100	1.399	1.805	16.939	51.701
35	1.303	1.303	1.207	1.100	1.100	0.897	1.207	1.602	16.939	54.510
40	1.506	1.399	1.303	1.207	1.100	1.100	1.100	1.506	15.636	57.917
45	1.602	1.602	1.399	1.207	1.207	1.100	0.897	1.399	14.428	60.619
50	1.805	1.602	1.602	1.399	1.207	1.100	1.004	1.207	11.619	64.731
55	2.008	1.805	1.602	1.399	1.303	1.207	1.100	1.100	10.017	66.632
60	2.200	2.008	1.805	1.602	1.399	1.207	1.100	1.100	8.523	67.935

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_JA_WH.IES

CANDELA TABULATION - (Cont.)

65	2.403	2.104	1.901	1.602	1.399	1.207	1.100	1.004	6.909	75.549
70	2.606	2.200	2.008	1.709	1.602	1.399	1.207	1.004	5.415	76.051
75	2.606	2.403	2.104	1.805	1.602	1.399	1.207	1.004	3.909	73.947
80	2.809	2.510	2.200	1.901	1.602	1.399	1.207	1.004	4.303	73.350
85	2.905	2.606	2.307	1.901	1.709	1.399	1.207	1.100	3.407	72.250
90	3.012	2.702	2.307	2.008	1.709	1.506	1.207	1.100	2.403	79.865
95	3.012	2.702	2.307	2.104	1.709	1.506	1.399	1.207	1.709	70.337
100	3.108	2.809	2.510	2.104	1.901	1.602	1.399	1.207	1.602	60.726
105	3.204	2.905	2.606	2.200	1.901	1.709	1.399	1.303	1.805	57.021
110	3.311	3.012	2.606	2.403	2.008	1.805	1.506	1.399	2.008	50.398
115	3.407	3.108	2.702	2.510	2.104	1.901	1.805	1.602	2.403	40.787
120	3.407	3.204	2.809	2.606	2.307	2.104	2.008	2.008	2.809	29.765
125	3.407	3.204	3.012	2.606	2.510	2.307	2.104	2.403	3.204	23.753
130	3.503	3.311	3.012	2.809	2.606	2.510	2.200	3.012	3.503	19.437
135	3.503	3.407	3.204	3.012	2.809	2.606	2.510	3.407	3.706	17.034
140	3.706	3.610	3.407	3.204	2.905	2.606	3.012	3.813	3.909	14.333
145	3.909	3.706	3.407	3.204	2.905	2.702	3.407	4.005	4.208	11.930
150	4.005	3.813	3.610	3.311	3.311	3.503	4.208	4.507	4.710	11.225
155	3.909	3.706	3.610	3.610	4.005	4.507	4.913	5.009	5.212	10.723
160	3.813	3.909	4.005	4.614	5.415	5.714	5.606	5.810	6.013	9.420
165	4.411	5.009	5.714	6.611	7.220	7.017	7.017	7.113	7.220	9.013
170	6.909	7.615	8.212	8.021	8.021	8.117	8.212	8.212	8.320	9.121
175	8.619	8.619	8.714	8.714	8.714	8.918	8.918	8.918	9.013	9.217
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171	21.171
5	30.662	35.372	40.177	44.887	49.298	53.410	57.523	61.324	64.731	67.839
10	42.389	53.112	64.432	74.856	85.077	94.891	104.514	113.527	121.548	129.163
15	53.913	70.744	88.579	105.410	121.751	137.674	152.916	168.444	181.773	194.695
20	65.137	88.878	112.834	135.881	159.024	181.474	203.816	225.154	244.603	263.036
25	75.752	105.410	135.176	166.041	195.795	225.859	255.015	282.270	308.126	332.477
30	85.770	120.747	157.924	194.492	233.474	269.850	305.114	340.187	372.355	399.515
35	98.704	136.072	179.669	222.751	269.144	312.238	354.723	396.909	434.887	470.952
40	103.605	150.310	200.002	249.504	303.010	352.918	398.905	450.821	495.601	537.595
45	109.618	164.630	218.447	274.153	333.875	390.394	444.103	499.510	550.422	599.613
50	118.046	176.262	235.075	296.304	362.230	410.429	483.587	544.911	601.214	655.127
55	123.449	185.980	249.408	315.335	384.680	449.913	518.050	584.288	645.014	703.923
60	127.860	193.990	263.538	333.780	402.814	474.466	547.015	617.054	681.784	744.411
65	131.470	198.401	271.045	346.702	409.436	493.903	569.752	642.910	710.438	775.779
70	133.670	202.716	278.062	353.814	418.653	510.735	588.699	661.738	731.286	798.324
75	134.973	205.621	282.569	360.126	435.078	520.358	597.210	673.763	746.420	812.250
80	133.072	206.721	284.673	363.234	445.908	524.661	602.326	681.486	752.026	817.654
85	132.271	206.422	284.481	363.342	445.801	524.661	601.717	678.282	750.723	815.956
90	132.665	206.517	282.079	360.234	435.484	520.358	596.708	672.365	741.602	808.341
95	129.665	202.812	277.464	354.615	420.147	509.838	587.491	661.546	729.481	794.714
100	125.852	197.301	269.850	347.610	413.943	496.605	570.062	644.309	710.737	774.069
105	121.249	188.479	263.634	336.589	407.823	481.077	554.128	624.166	687.893	749.217
110	116.037	181.067	251.106	321.156	394.195	464.341	532.276	599.613	660.745	719.463
115	109.224	172.245	238.889	305.819	377.364	441.999	506.622	570.660	628.780	685.789
120	96.194	161.630	225.058	288.390	355.823	412.234	477.467	539.699	594.209	644.607
125	89.284	142.492	202.608	261.434	326.057	387.489	445.000	502.821	553.721	600.820
130	64.827	121.345	178.760	230.963	287.685	342.195	394.303	453.917	506.933	552.215
135	49.095	106.319	152.007	202.608	252.110	299.113	346.606	389.485	443.601	494.609

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_JA_WH.IES

CANDELA TABULATION - (Cont.)

140	39.580	81.467	123.449	172.950	217.945	259.031	299.113	340.797	377.866	422.156
145	32.467	60.619	101.501	138.284	180.565	225.656	257.621	288.892	321.551	355.823
150	28.761	49.502	76.852	114.734	142.384	180.266	219.643	247.101	268.642	291.893
155	23.944	41.791	60.822	83.666	113.635	138.081	165.838	198.102	220.145	238.590
160	19.043	33.674	48.402	63.834	79.363	99.900	121.249	140.483	160.423	176.357
165	14.727	24.147	36.376	47.601	59.017	69.441	79.661	91.281	102.804	117.735
170	11.727	16.234	22.641	30.662	38.181	45.198	51.402	57.714	63.631	67.839
175	9.826	10.818	12.731	15.134	17.740	21.039	24.350	27.662	30.268	32.563
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	21.171	21.171	21.171	21.171	21.171	21.171	21.171
5	70.541	73.051	75.047	76.661	77.653	78.263	78.358
10	136.072	141.786	146.699	150.501	153.214	154.709	155.115
15	206.015	215.638	223.958	230.473	234.777	237.478	238.482
20	279.568	293.495	305.616	315.239	321.754	325.663	327.061
25	354.520	373.060	389.294	399.610	409.532	414.636	416.441
30	429.268	452.818	472.757	488.787	500.119	507.435	510.041
35	503.419	532.885	556.734	576.673	590.695	599.720	602.422
40	575.573	609.140	638.702	661.140	677.672	688.503	691.599
45	643.711	681.689	715.052	740.598	759.641	771.762	774.978
50	704.425	746.611	783.692	812.250	833.493	846.523	850.527
55	757.238	803.428	843.008	874.877	897.423	911.349	916.059
60	801.229	849.523	892.211	925.682	949.231	963.959	969.171
65	834.891	885.301	928.288	964.461	989.313	1004.841	1009.647
70	858.739	910.751	954.634	990.508	1016.867	1032.096	1037.308
75	873.467	925.479	969.864	1006.144	1031.188	1047.625	1052.335
80	877.077	929.388	976.176	1011.153	1036.304	1052.335	1057.343
85	874.877	927.989	972.972	1007.447	1031.989	1048.330	1053.339
90	867.860	918.569	962.751	996.318	1021.075	1036.507	1041.313
95	852.834	902.527	945.621	979.690	1003.634	1018.564	1023.274
100	830.683	878.882	921.068	953.834	977.287	991.513	996.820
105	804.229	850.623	891.410	923.375	945.621	959.548	964.353
110	772.169	816.853	854.532	886.102	907.739	921.068	925.479
115	734.394	776.974	813.051	841.908	862.852	875.882	879.982
120	690.296	731.680	765.247	792.909	812.454	824.467	828.484
125	642.910	681.282	713.343	737.897	755.935	767.554	771.164
130	592.404	625.876	655.235	677.971	694.312	705.131	708.633
135	536.484	566.954	593.504	613.647	628.673	637.889	640.699
140	466.852	504.519	527.972	546.513	559.435	567.648	570.158
145	389.186	426.662	459.930	475.960	487.293	494.298	496.808
150	319.244	346.809	379.073	403.220	413.035	419.047	421.056
155	252.815	273.256	295.300	325.065	340.988	345.901	347.503
160	188.790	197.504	213.929	233.677	261.135	266.837	268.343
165	128.063	134.578	137.077	147.799	161.833	180.565	181.366
170	71.844	74.856	74.354	72.549	78.358	92.990	103.809
175	34.165	35.169	35.671	33.866	30.865	31.260	43.285
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_JA_WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	26.56	N.A.	0.90
0-30	87.82	N.A.	2.90
0-40	203.88	N.A.	6.80
0-60	628.47	N.A.	21.00
0-80	1255.74	N.A.	41.90
0-90	1598.3	N.A.	53.30
10-90	1594.66	N.A.	53.20
20-40	177.32	N.A.	5.90
20-50	357.71	N.A.	11.90
40-70	721.33	N.A.	24.10
60-80	627.27	N.A.	20.90
70-80	330.53	N.A.	11.00
80-90	342.56	N.A.	11.40
90-110	637.76	N.A.	21.30
90-120	898.93	N.A.	30.00
90-130	1104.91	N.A.	36.90
90-150	1337.86	N.A.	44.70
90-180	1397.81	N.A.	46.70
110-180	760.05	N.A.	25.40
0-180	2996.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3.64
10-20	22.92
20-30	61.26
30-40	116.06
40-50	180.39
50-60	244.20
60-70	296.74
70-80	330.53
80-90	342.56
90-100	333.04
100-110	304.72
110-120	261.17
120-130	205.98
130-140	144.71
140-150	88.24
150-160	43.83
160-170	14.30
170-180	1.82

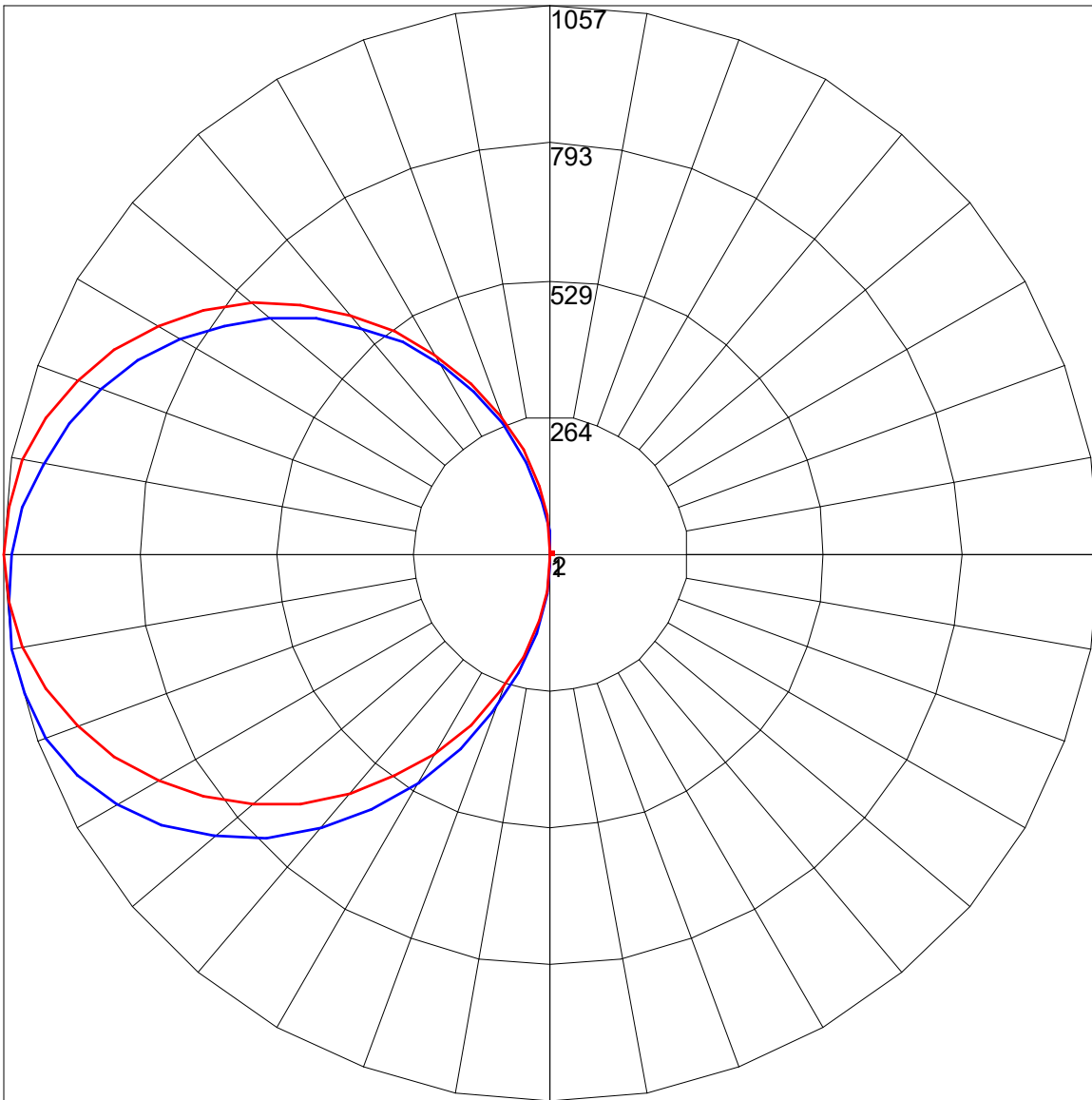
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_JA_WH.IES

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	
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53
1	93	86	80	74	85	79	73	68	66	62	58	54	51	48	43	40	38	33
2	82	72	63	56	75	66	58	51	54	48	43	44	39	35	34	31	28	23
3	73	61	51	44	67	56	47	40	46	39	34	37	32	27	29	24	21	17
4	66	53	43	35	60	48	39	32	40	33	27	32	26	22	24	20	16	13
5	60	46	36	29	55	42	33	27	35	28	22	28	22	18	21	17	13	10
6	55	41	31	24	50	37	29	22	31	24	18	25	19	15	19	14	11	8
7	51	36	27	21	46	33	25	19	27	21	16	22	17	12	17	13	9	6
8	47	33	24	18	42	30	22	16	25	18	13	20	15	11	15	11	8	5
9	43	30	21	15	39	27	19	14	22	16	12	18	13	9	14	10	7	4
10	40	27	19	13	37	25	17	12	21	14	10	17	12	8	13	9	6	4

POLAR GRAPH



Maximum Candela = 1057.343 Located At Horizontal Angle = 180, Vertical Angle = 80
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (80) (Through Max. Cd.)