

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3535/30, Soft Wash | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-A3-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	104	107	110	110
Total Lumens, 4' rail length (1219mm)	2707	2792	2849	2849
Lumens per foot (305mm)	677	698	712	712
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_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] 5/12/2021

[MANUFAC] Vode Lighting

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

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

[MORE] square 3530/30 soft wash 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	2848
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
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	17046	16638	15720
55	16453	16038	14959
65	15834	15389	14121
75	15217	14695	13030
85	14578	14014	11911

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PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_A3_WH.IES

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	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315
5	883.401	883.210	882.900	882.006	880.909	879.205	877.513	875.415	873.114	870.313
10	928.168	927.858	926.559	924.569	922.066	918.776	914.771	909.885	904.783	898.490
15	962.531	962.137	960.230	957.334	953.246	947.751	941.649	934.164	925.665	916.678
20	986.512	985.916	983.413	979.420	974.128	966.726	958.431	948.550	937.155	924.962
25	998.896	998.097	995.201	990.207	983.508	974.521	964.426	951.839	937.954	922.972
30	1000.493	999.003	995.606	989.813	982.018	971.625	959.634	945.046	928.860	911.279
35	990.302	988.908	984.712	978.419	969.623	958.133	944.450	928.264	910.278	889.896
40	969.527	968.025	963.437	956.643	947.143	934.354	919.169	901.792	882.399	860.230
45	939.158	937.560	933.055	925.570	915.379	901.887	885.498	867.215	846.237	822.459
50	900.588	899.086	894.092	886.404	875.808	861.625	844.342	824.962	803.579	779.097
55	855.224	853.734	848.537	840.337	829.455	814.962	797.977	777.298	753.817	728.442
60	804.676	802.971	797.882	789.586	778.001	763.007	745.331	724.151	700.170	673.888
65	748.728	746.928	742.029	733.734	721.755	706.558	688.382	666.999	642.220	615.950
70	689.180	687.381	682.291	673.793	661.409	646.320	628.131	606.248	581.576	554.698
75	626.236	624.639	619.144	610.551	598.560	583.375	565.187	543.804	518.238	491.063
80	560.896	559.299	553.697	545.211	532.922	517.738	498.846	477.475	453.387	425.914
85	492.362	490.455	485.068	476.772	464.984	449.001	430.812	408.333	387.856	361.479
90	421.825	420.121	414.722	406.736	396.545	381.253	363.673	342.492	319.417	292.933
95	352.683	350.979	345.889	337.701	326.509	311.718	294.638	274.054	250.978	226.401
100	281.145	279.644	274.650	266.759	255.972	242.087	225.698	206.318	184.530	161.252
105	210.406	209.107	204.518	197.021	186.938	173.839	158.558	140.573	120.287	98.809
110	142.468	141.276	136.878	130.084	120.787	108.701	94.720	78.129	59.547	39.869
115	77.736	76.329	72.432	66.246	57.950	46.961	34.267	19.285	5.399	0.000
120	16.985	15.781	12.491	7.592	2.801	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	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315
5	867.513	864.521	861.029	857.632	854.235	850.433	846.642	842.745	839.241	835.045
10	891.994	885.105	877.703	869.622	861.827	853.436	844.843	836.452	828.049	818.966
15	906.488	895.892	884.306	872.113	860.027	847.536	834.044	821.160	808.466	794.878
20	911.279	897.191	881.803	865.522	849.133	832.554	814.866	797.786	780.695	762.709
25	906.178	888.800	869.813	849.837	829.848	809.670	787.286	766.213	745.224	723.150
30	891.696	871.017	848.740	825.558	802.482	778.501	752.518	727.941	703.471	677.893
35	867.822	844.735	819.956	793.591	767.309	739.228	711.159	683.388	655.712	627.035
40	835.546	810.766	783.495	754.425	725.450	694.973	663.900	633.531	603.459	571.886
45	796.785	769.801	740.039	709.157	677.988	645.116	611.850	579.573	546.903	513.232
50	750.921	722.351	691.278	658.501	625.736	591.266	555.998	521.528	487.463	451.790
55	700.074	670.301	637.821	604.055	569.883	534.722	498.047	461.182	425.711	390.645
60	644.615	613.447	581.075	547.011	510.741	474.376	436.903	401.444	364.078	326.306

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PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_A3_WH.IES

CANDELA TABULATION - (Cont.)

65	586.367	554.198	521.134	486.367	449.191	410.633	375.663	338.392	300.228	262.468
70	525.330	493.161	458.786	417.225	387.856	349.680	312.218	274.852	237.093	200.919
75	461.885	429.513	396.640	360.478	324.411	286.545	249.477	212.706	174.840	140.775
80	398.238	366.068	331.896	296.330	260.871	223.898	187.033	151.562	116.091	87.724
85	331.896	300.335	267.260	232.492	198.428	163.052	127.784	94.220	61.550	29.976
90	264.363	234.792	203.016	170.346	138.082	105.507	72.539	39.762	9.297	0.000
95	199.119	171.145	141.073	110.203	79.929	49.452	18.188	0.000	0.000	0.000
100	135.674	109.607	81.621	52.849	24.482	2.503	0.000	0.000	0.000	0.000
105	75.233	51.049	25.173	3.600	0.000	0.000	0.000	0.000	0.000	0.000
110	18.284	2.300	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	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315	841.315
5	831.255	827.357	823.663	820.266	816.869	814.163	810.969	808.072	805.474	803.174
10	810.766	802.482	794.282	786.594	779.300	772.101	765.510	759.014	753.424	748.323
15	782.101	769.109	757.119	744.926	733.734	723.150	713.054	703.364	694.973	687.178
20	745.927	728.740	712.661	696.570	681.981	668.096	655.104	642.220	631.326	621.135
25	702.565	682.482	662.208	642.816	625.140	608.453	592.768	577.380	564.293	552.207
30	653.709	629.538	607.154	584.770	564.091	544.710	526.820	509.347	494.460	480.562
35	600.265	573.280	547.905	522.934	499.954	478.572	458.691	439.203	422.624	407.630
40	542.517	512.934	485.258	458.989	433.613	410.526	388.452	368.273	350.681	334.304
45	481.671	450.193	420.622	393.148	366.366	341.789	318.511	297.427	278.845	261.670
50	418.619	385.651	355.377	326.306	298.333	273.255	249.381	227.391	208.308	191.026
55	356.283	322.111	290.836	260.466	233.088	206.711	183.338	161.252	141.872	124.089
60	291.539	258.273	224.900	195.627	168.547	142.873	119.393	96.711	77.831	60.251
65	227.593	194.828	163.159	134.375	105.805	81.025	58.046	36.270	17.581	3.004
70	166.949	134.077	103.505	75.638	47.652	23.278	4.398	0.000	0.000	0.000
75	108.201	77.032	47.354	20.084	0.000	0.000	0.000	0.000	0.000	0.000
80	52.956	22.777	1.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	4.601	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_CC_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. 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	841.315	841.315	841.315	841.315	841.315	841.315	841.315
5	801.183	799.276	797.786	796.678	795.784	795.283	795.081
10	743.734	739.932	736.642	734.234	732.244	731.338	730.945
15	680.289	674.687	669.895	666.201	663.400	662.005	661.207
20	612.446	605.259	599.359	594.365	590.968	588.775	588.072
25	541.814	533.018	525.628	519.728	515.533	513.137	512.136
30	468.381	458.584	449.799	443.303	438.500	435.711	435.008
35	394.543	383.458	374.066	366.771	361.670	358.583	357.475
40	320.013	308.225	298.237	290.442	284.948	281.741	280.549
45	246.783	234.387	223.994	215.805	210.108	206.616	205.615
50	175.746	163.159	152.361	143.970	138.380	134.685	133.684
55	108.701	97.116	85.519	77.235	71.431	67.843	66.734
60	44.863	32.372	21.883	13.588	7.998	4.791	3.993
65	1.800	1.800	1.800	1.800	1.800	1.800	1.800
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_CC_SO_35_A3_WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	308.32	N.A.	10.80
0-30	654.04	N.A.	23.00
0-40	1069.83	N.A.	37.60
0-60	1899.01	N.A.	66.70
0-80	2487.5	N.A.	87.30
0-90	2670.44	N.A.	93.80
10-90	2590.68	N.A.	91.00
20-40	761.52	N.A.	26.70
20-50	1193.41	N.A.	41.90
40-70	1159.79	N.A.	40.70
60-80	588.49	N.A.	20.70
70-80	257.88	N.A.	9.10
80-90	182.93	N.A.	6.40
90-110	164.53	N.A.	5.80
90-120	177.65	N.A.	6.20
90-130	177.96	N.A.	6.20
90-150	177.96	N.A.	6.20
90-180	177.96	N.A.	6.20
110-180	13.43	N.A.	0.50
0-180	2848.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.76
10-20	228.56
20-30	345.72
30-40	415.80
40-50	431.89
50-60	397.29
60-70	330.60
70-80	257.88
80-90	182.94
90-100	111.89
100-110	52.64
110-120	13.12
120-130	0.30
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

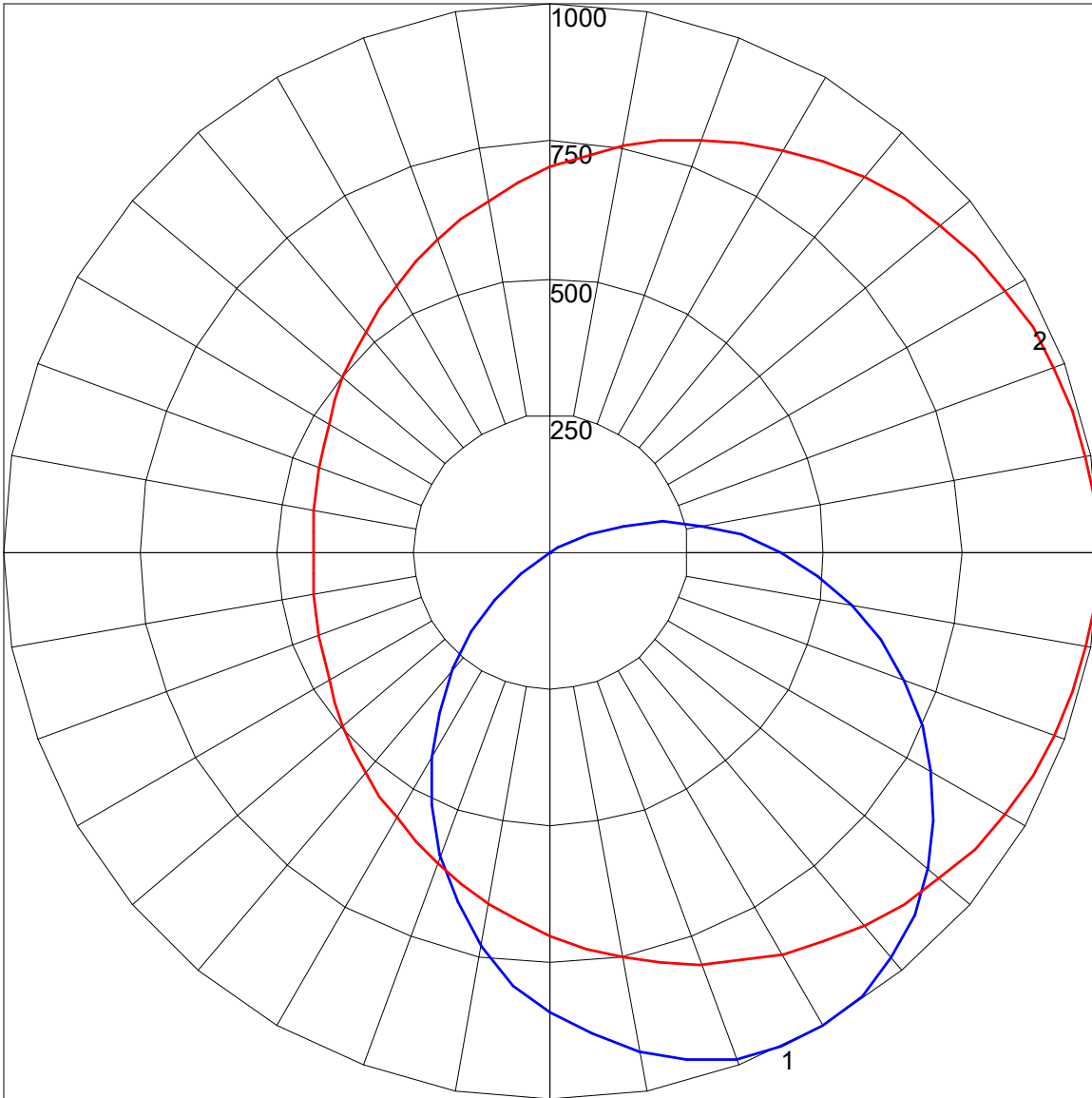
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PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_A3_WH.IES

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	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	44	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 = 1000.493 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.)