

IES Report

ZipTwo® | 707 | Ceiling Cable | Micro 3508, 85° Asymmetric | 90 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-A1-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	37	38	39	39
Total Lumens, 4' rail length (1219mm)	950	980	1000	1010
Lumens per foot (305mm)	238	245	250	253
Input Power (W), 4' rail length (1219mm)	26.0	26.0	26.0	26.0
Watts per foot (305mm)	6.5	6.5	6.5	6.5
CRI	94	94	94	94

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_359_A1_BL.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] 5/12/2021

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-CC-Z-SO-359-A1-BL

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 90 CRI, zipper board, micro 3508,

[MORE] 85° asymmetric lens, standard output, black anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	26
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	57599	44601	14463
55	53992	39452	12306
65	46815	32879	10631
75	39603	27297	8979
85	39733	25033	6231

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_359_A1_BL.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	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334
5	352.492	352.346	351.416	349.996	348.037	345.581	342.546	338.968	334.899	330.636
10	441.793	440.911	438.659	435.373	430.719	424.837	417.680	409.249	399.789	389.843
15	526.978	525.897	522.663	517.711	510.706	501.439	490.511	477.279	462.720	446.939
20	598.733	597.259	593.535	587.162	578.338	566.872	552.857	535.994	516.588	495.709
25	648.818	647.058	642.989	636.078	626.424	613.432	597.651	578.292	556.383	530.896
30	674.305	672.931	668.523	661.319	651.666	637.498	620.098	599.662	575.941	547.466
35	674.405	673.177	669.014	661.810	651.712	637.645	619.460	597.797	572.655	542.315
40	649.900	648.526	644.702	637.843	627.453	613.385	594.763	572.310	545.847	515.115
45	602.943	601.574	597.750	590.986	581.133	566.872	547.706	524.868	497.814	466.889
50	537.070	535.895	532.317	526.043	516.144	502.076	483.944	460.662	433.362	403.513
55	458.457	457.528	454.633	448.851	439.344	426.112	409.056	387.048	362.052	334.998
60	375.138	374.109	371.513	366.513	357.983	346.172	331.028	311.815	290.298	267.459
65	292.894	292.163	290.052	285.690	278.487	268.781	256.233	240.651	223.542	205.703
70	217.222	216.684	214.673	211.293	205.703	198.055	188.501	177.521	164.681	151.449
75	151.741	151.250	149.783	147.134	142.971	137.334	130.271	122.237	113.514	104.591
80	95.575	95.131	94.055	92.190	89.155	85.331	80.624	75.432	69.842	64.206
85	51.266	51.021	50.237	48.963	47.004	44.601	41.806	38.771	35.585	32.299
90	21.073	20.926	20.488	19.704	18.675	17.401	16.027	14.407	12.840	11.320
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	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334
5	325.883	320.737	315.586	310.148	304.465	298.875	293.093	287.310	281.475	275.692
10	378.716	367.151	354.702	341.857	329.215	316.469	303.337	290.444	278.142	265.647
15	429.053	410.623	391.065	370.530	350.487	330.338	309.412	290.298	271.769	253.292
20	472.034	447.629	420.768	393.176	365.970	338.822	310.786	285.544	261.624	238.102
25	502.567	472.771	440.174	406.308	372.980	339.752	305.786	275.300	247.018	219.917
30	515.653	482.132	445.079	406.407	368.227	329.554	292.403	258.683	227.758	198.938
35	508.058	471.742	431.994	390.381	349.849	308.973	270.202	235.406	204.429	175.854
40	478.653	441.355	400.379	358.474	318.088	277.896	240.259	207.270	178.205	151.841
45	430.667	393.714	354.457	314.610	276.867	240.353	206.387	176.983	151.396	128.605
50	369.940	336.220	301.717	265.349	232.804	202.078	172.913	148.455	126.938	108.123
55	305.588	275.253	246.135	217.807	190.068	165.856	142.281	122.185	104.492	89.202
60	243.393	218.988	195.705	171.639	152.770	132.627	114.245	98.563	84.495	72.392

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_359_A1_BL.IES

CANDELA TABULATION - (Cont.)

65	187.572	169.043	151.496	134.539	117.922	102.825	89.447	77.291	66.510	57.295
70	138.311	124.833	111.894	99.300	87.828	76.707	66.855	57.833	49.699	43.180
75	95.277	86.115	77.391	68.767	60.873	53.225	46.074	39.894	34.404	29.750
80	58.423	52.687	47.197	41.806	36.859	32.006	27.498	23.476	19.950	17.254
85	29.165	25.978	22.838	19.897	17.155	14.506	11.957	9.852	8.040	6.911
90	9.805	8.285	6.812	5.391	4.169	2.941	1.912	1.076	0.637	0.591
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. Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334	282.334
5	270.155	264.811	259.519	254.713	249.813	245.504	241.580	237.757	234.377	231.436
10	254.274	243.492	233.102	223.350	214.719	206.686	199.383	192.717	187.028	181.982
15	236.874	221.584	207.323	194.430	183.204	173.112	164.289	156.103	149.484	143.801
20	217.713	198.792	182.666	167.815	155.419	144.783	135.422	127.529	121.308	115.864
25	197.026	176.492	159.190	144.093	131.844	121.699	113.315	106.065	100.621	96.359
30	175.217	154.437	137.527	123.167	111.993	103.024	95.914	90.085	85.770	82.145
35	152.870	133.265	117.823	105.474	95.721	88.220	82.244	77.537	74.105	71.363
40	131.061	113.759	100.475	90.085	81.852	75.724	70.918	67.246	64.551	62.540
45	110.818	96.212	85.132	76.607	69.842	64.943	61.119	58.277	56.219	54.599
50	93.371	81.262	72.146	64.943	59.745	55.628	52.687	50.530	49.010	47.741
55	77.291	67.831	60.043	54.453	50.676	47.250	44.800	42.981	41.613	40.584
60	62.931	55.482	50.138	45.139	41.660	39.011	37.052	35.585	34.503	33.573
65	51.313	44.256	39.555	36.076	33.281	31.223	29.650	28.428	27.446	26.762
70	37.836	33.427	29.995	27.346	25.241	23.675	22.447	21.418	20.733	20.096
75	26.025	22.985	20.733	18.968	17.447	16.418	15.535	14.851	14.313	13.922
80	15.097	13.331	12.109	11.127	10.291	9.706	9.215	8.823	8.531	8.285
85	6.075	5.438	4.999	4.607	4.362	4.116	3.970	3.824	3.771	3.678
90	0.591	0.491	0.439	0.392	0.392	0.345	0.292	0.292	0.292	0.292
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_359_A1_BL.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	282.334	282.334	282.334	282.334	282.334	282.334	282.334
5	228.787	226.536	224.870	223.250	222.320	221.683	221.438
10	177.521	174.042	171.054	168.698	167.131	166.102	165.757
15	138.849	135.077	131.844	129.540	127.874	126.845	126.547
20	111.403	108.023	105.275	103.270	101.796	101.013	100.674
25	92.780	89.985	87.828	86.214	85.185	84.594	84.302
30	79.402	77.338	75.672	74.497	73.713	73.222	73.128
35	69.304	67.737	66.510	65.580	65.042	64.744	64.598
40	60.873	59.745	58.862	58.224	57.833	57.587	57.540
45	53.424	52.541	51.951	51.413	51.120	51.021	50.974
50	46.758	46.121	45.630	45.238	45.039	44.946	44.893
55	39.801	39.257	38.865	38.526	38.327	38.228	38.228
60	32.889	32.398	32.053	31.761	31.562	31.469	31.469
65	26.124	25.733	25.388	25.142	24.949	24.897	24.897
70	19.652	19.313	19.014	18.821	18.675	18.576	18.529
75	13.577	13.331	13.086	12.939	12.840	12.793	12.741
80	8.086	7.940	7.794	7.695	7.595	7.595	7.548
85	3.625	3.578	3.479	3.479	3.479	3.432	3.432
90	0.292	0.292	0.292	0.292	0.292	0.292	0.292
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_359_A1_BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	112.60	N.A.	11.30
0-30	256.48	N.A.	25.70
0-40	442.20	N.A.	44.20
0-60	798.56	N.A.	79.90
0-80	976.91	N.A.	97.70
0-90	998.23	N.A.	99.80
10-90	970.88	N.A.	97.10
20-40	329.60	N.A.	33.00
20-50	522.22	N.A.	52.20
40-70	471.30	N.A.	47.10
60-80	178.35	N.A.	17.80
70-80	63.42	N.A.	6.30
80-90	21.31	N.A.	2.10
90-110	1.59	N.A.	0.20
90-120	1.59	N.A.	0.20
90-130	1.59	N.A.	0.20
90-150	1.59	N.A.	0.20
90-180	1.59	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	999.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	27.35
10-20	85.25
20-30	143.87
30-40	185.72
40-50	192.63
50-60	163.73
60-70	114.94
70-80	63.42
80-90	21.31
90-100	1.59
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

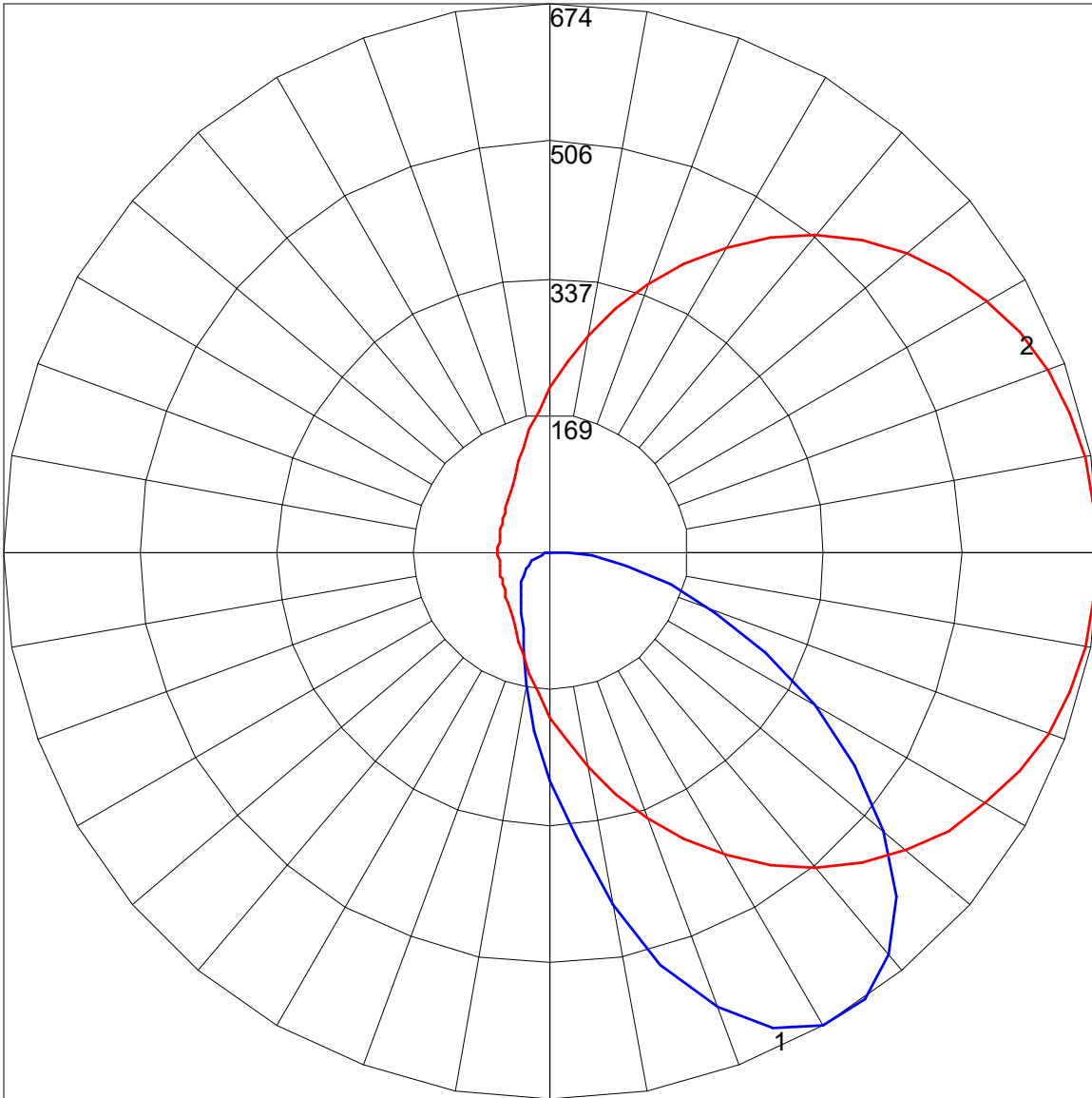
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_359_A1_BL.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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 = 674.405 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.)