

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	78	81	83	83
Total Lumens, 4' rail length (1219mm)	2036	2101	2144	2144
Lumens per foot (305mm)	509	525	536	536
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_BL.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-BL
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,
[MORE] square 3530/30 soft wash 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	2144
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
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	12829	12522	11831
55	12382	12070	11258
65	11916	11581	10627
75	11452	11059	9806
85	10971	10547	8964

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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	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156
5	664.830	664.686	664.453	663.780	662.955	661.672	660.398	658.820	657.088	654.980
10	698.521	698.288	697.310	695.812	693.928	691.452	688.439	684.761	680.922	676.186
15	724.381	724.085	722.650	720.470	717.394	713.259	708.666	703.033	696.637	689.874
20	742.429	741.980	740.097	737.092	733.109	727.539	721.296	713.860	705.284	696.108
25	751.749	751.148	748.968	745.210	740.169	733.405	725.808	716.335	705.885	694.610
30	752.951	751.830	749.273	744.914	739.047	731.225	722.202	711.222	699.041	685.810
35	745.281	744.232	741.075	736.338	729.718	721.071	710.774	698.593	685.057	669.718
40	729.647	728.517	725.063	719.950	712.801	703.176	691.748	678.670	664.076	647.392
45	706.791	705.589	702.199	696.565	688.896	678.742	666.408	652.648	636.861	618.966
50	677.764	676.634	672.876	667.090	659.116	648.441	635.435	620.850	604.757	586.333
55	643.624	642.503	638.592	632.421	624.231	613.324	600.542	584.979	567.308	548.211
60	605.583	604.300	600.470	594.227	585.508	574.224	560.921	544.981	526.934	507.155
65	563.477	562.123	558.436	552.193	543.178	531.742	518.062	501.970	483.322	463.552
70	518.663	517.309	513.479	507.083	497.763	486.407	472.719	456.250	437.682	417.455
75	471.293	470.091	465.956	459.488	450.464	439.037	425.348	409.256	390.016	369.564
80	422.119	420.917	416.701	410.315	401.067	389.639	375.421	359.338	341.210	320.534
85	370.542	369.107	365.052	358.809	349.938	337.909	324.221	307.303	291.893	272.042
90	317.457	316.175	312.111	306.101	298.432	286.923	273.693	257.753	240.387	220.456
95	265.422	264.140	260.309	254.147	245.724	234.592	221.738	206.247	188.881	170.385
100	211.584	210.454	206.696	200.758	192.640	182.190	169.856	155.271	138.874	121.355
105	158.347	157.370	153.916	148.274	140.685	130.827	119.328	105.792	90.525	74.361
110	107.218	106.321	103.011	97.899	90.902	81.806	71.285	58.798	44.814	30.005
115	58.502	57.444	54.511	49.855	43.612	35.342	25.789	14.513	4.063	0.000
120	12.782	11.876	9.401	5.714	2.108	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	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156
5	652.872	650.621	647.993	645.436	642.880	640.018	637.166	634.233	631.596	628.438
10	671.297	666.112	660.542	654.460	648.594	642.279	635.812	629.497	623.173	616.338
15	682.204	674.230	665.511	656.335	647.239	637.839	627.685	617.988	608.435	598.209
20	685.810	675.208	663.628	651.375	639.041	626.563	613.252	600.398	587.535	573.999
25	681.971	668.893	654.604	639.570	624.527	609.341	592.495	576.636	560.840	544.228
30	671.073	655.510	638.745	621.298	603.932	585.885	566.330	547.834	529.418	510.169
35	653.106	635.731	617.082	597.241	577.462	556.328	535.204	514.304	493.476	471.894
40	628.815	610.166	589.643	567.765	545.959	523.023	499.638	476.782	454.151	430.390
45	599.645	579.336	556.938	533.697	510.241	485.501	460.466	436.175	411.588	386.248
50	565.128	543.627	520.242	495.575	470.916	444.975	418.433	392.491	366.855	340.008
55	526.862	504.455	480.012	454.600	428.883	402.421	374.820	347.076	320.381	293.992
60	485.125	461.668	437.305	411.669	384.373	357.006	328.804	302.119	273.998	245.572

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CANDELA TABULATION - (Cont.)

65	441.288	417.078	392.195	366.030	338.052	309.034	282.716	254.667	225.945	197.528
70	395.353	371.143	345.273	313.995	291.893	263.162	234.969	206.848	178.431	151.207
75	347.605	323.243	298.504	271.289	244.145	215.648	187.751	160.079	131.581	105.945
80	299.706	275.496	249.779	223.012	196.326	168.501	140.757	114.063	87.368	66.019
85	249.779	226.026	201.134	174.969	149.333	122.710	96.167	70.908	46.321	22.560
90	198.955	176.700	152.786	128.199	103.917	79.402	54.591	29.924	6.997	0.000
95	149.853	128.800	106.169	82.937	60.153	37.217	13.688	0.000	0.000	0.000
100	102.106	82.488	61.427	39.773	18.424	1.884	0.000	0.000	0.000	0.000
105	56.619	38.419	18.945	2.709	0.000	0.000	0.000	0.000	0.000	0.000
110	13.760	1.731	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

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156	633.156
5	625.586	622.653	619.872	617.315	614.759	612.723	610.319	608.139	606.184	604.452
10	610.166	603.932	597.761	591.975	586.486	581.068	576.107	571.219	567.012	563.172
15	588.593	578.816	569.792	560.616	552.193	544.228	536.630	529.338	523.023	517.156
20	561.370	548.435	536.334	524.225	513.245	502.795	493.018	483.322	475.123	467.454
25	528.737	513.622	498.364	483.770	470.468	457.910	446.105	434.525	424.676	415.580
30	491.969	473.777	456.932	440.086	424.523	409.938	396.474	383.324	372.120	361.661
35	451.747	431.439	412.342	393.550	376.256	360.163	345.201	330.536	318.058	306.774
40	408.287	386.024	365.196	345.426	326.329	308.954	292.341	277.155	263.915	251.591
45	362.496	338.806	316.551	295.875	275.720	257.224	239.705	223.837	209.853	196.927
50	315.044	290.233	267.450	245.572	224.519	205.646	187.679	171.130	156.769	143.762
55	268.131	242.414	218.877	196.021	175.417	155.567	137.977	121.355	106.770	93.387
60	219.406	194.371	169.255	147.225	126.845	107.523	89.852	72.783	58.574	45.343
65	171.282	146.624	122.790	101.128	79.627	60.978	43.684	27.296	13.231	2.260
70	125.643	100.904	77.895	56.924	35.862	17.518	3.310	0.000	0.000	0.000
75	81.430	57.973	35.638	15.114	0.000	0.000	0.000	0.000	0.000	0.000
80	39.854	17.142	1.354	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	3.462	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

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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	633.156	633.156	633.156	633.156	633.156	633.156	633.156
5	602.954	601.519	600.398	599.564	598.891	598.514	598.362
10	559.719	556.858	554.382	552.570	551.072	550.390	550.094
15	511.972	507.756	504.150	501.369	499.261	498.212	497.611
20	460.914	455.506	451.065	447.307	444.751	443.100	442.571
25	407.758	401.138	395.577	391.137	387.979	386.176	385.423
30	352.494	345.121	338.510	333.621	330.006	327.907	327.378
35	296.925	288.583	281.514	276.025	272.186	269.862	269.028
40	240.836	231.964	224.447	218.581	214.446	212.033	211.136
45	185.724	176.395	168.573	162.411	158.123	155.495	154.741
50	132.263	122.790	114.664	108.349	104.142	101.361	100.608
55	81.806	73.088	64.360	58.126	53.757	51.057	50.223
60	33.763	24.363	16.469	10.226	6.019	3.606	3.005
65	1.354	1.354	1.354	1.354	1.354	1.354	1.354
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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	232.03	N.A.	10.80
0-30	492.21	N.A.	23.00
0-40	805.14	N.A.	37.60
0-60	1429.16	N.A.	66.70
0-80	1872.04	N.A.	87.30
0-90	2009.72	N.A.	93.80
10-90	1949.69	N.A.	91.00
20-40	573.10	N.A.	26.70
20-50	898.13	N.A.	41.90
40-70	872.83	N.A.	40.70
60-80	442.88	N.A.	20.70
70-80	194.08	N.A.	9.10
80-90	137.67	N.A.	6.40
90-110	123.82	N.A.	5.80
90-120	133.70	N.A.	6.20
90-130	133.93	N.A.	6.20
90-150	133.93	N.A.	6.20
90-180	133.93	N.A.	6.20
110-180	10.10	N.A.	0.50
0-180	2143.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.02
10-20	172.01
20-30	260.18
30-40	312.92
40-50	325.03
50-60	298.99
60-70	248.81
70-80	194.08
80-90	137.67
90-100	84.21
100-110	39.61
110-120	9.88
120-130	0.23
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

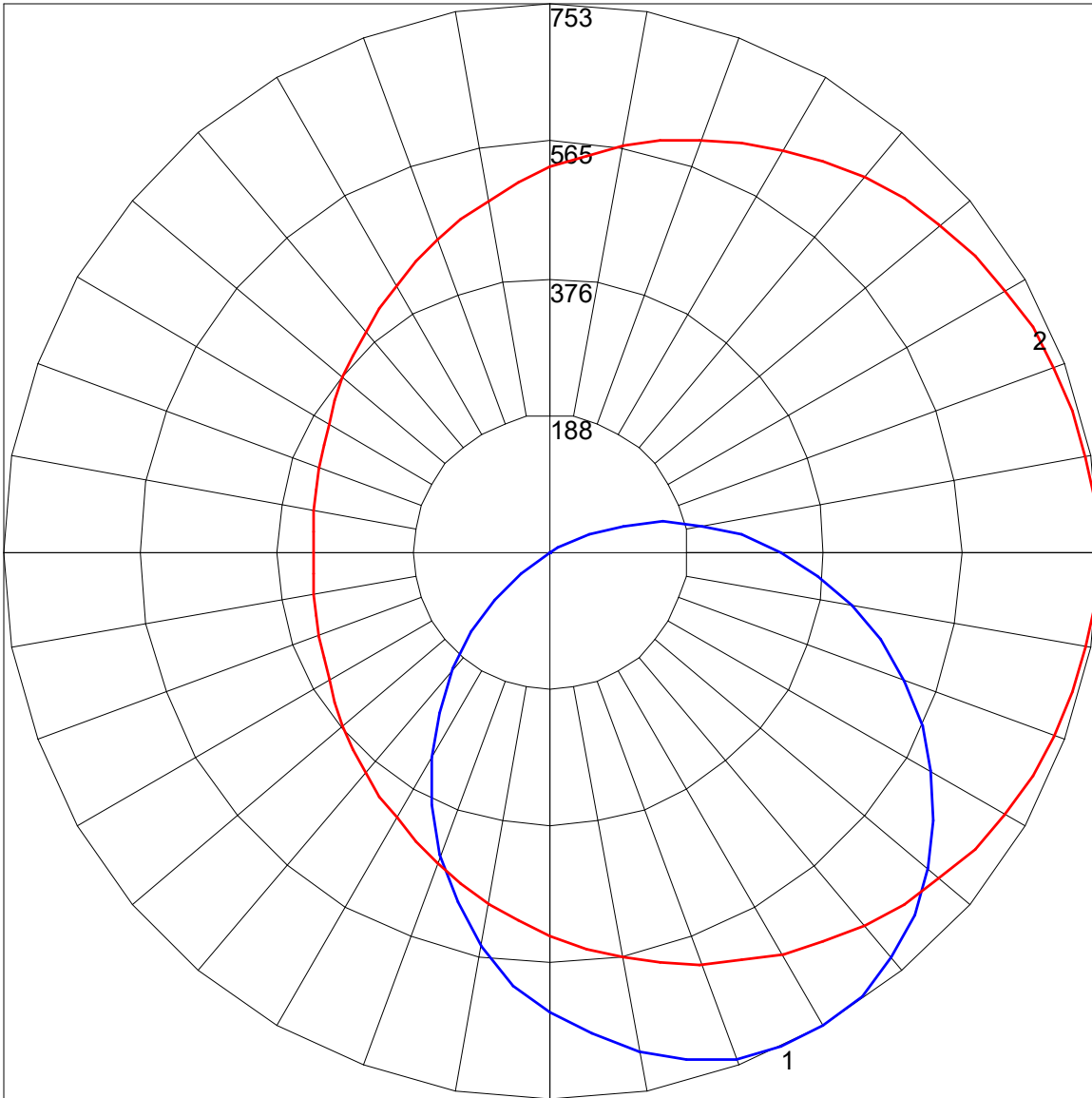
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	47	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	29	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 = 752.951 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.)