

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	86	88	90	90
Total Lumens, 4' rail length (1219mm)	2227	2297	2344	2344
Lumens per foot (305mm)	557	574	586	586
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_BL.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-BL
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,
[MORE] square 3555, single side diffuse 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	2344
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
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	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562
5	1.094	1.094	1.178	1.178	1.178	1.337	1.337	1.337	1.337	1.412
10	0.468	0.552	0.627	0.627	0.627	0.701	0.786	0.786	0.860	0.945
15	0.627	0.627	0.627	0.627	0.627	0.627	0.627	0.627	0.627	0.627
20	0.786	0.786	0.786	0.786	0.786	0.786	0.786	0.786	0.786	0.786
25	0.945	0.945	1.019	1.019	0.945	0.945	0.945	0.860	0.860	0.860
30	1.253	1.253	1.178	1.178	1.178	1.178	1.094	1.019	1.019	1.019
35	1.412	1.487	1.487	1.412	1.412	1.337	1.337	1.253	1.178	1.094
40	1.721	1.721	1.721	1.646	1.646	1.646	1.487	1.412	1.337	1.253
45	2.039	1.964	1.964	1.964	1.880	1.805	1.721	1.646	1.571	1.412
50	2.198	2.198	2.198	2.114	2.114	1.964	1.964	1.805	1.721	1.571
55	2.357	2.432	2.432	2.357	2.273	2.273	2.114	2.039	1.880	1.721
60	2.665	2.665	2.591	2.591	2.506	2.432	2.273	2.198	2.039	1.880
65	2.824	2.824	2.740	2.740	2.665	2.591	2.432	2.357	2.198	2.039
70	2.983	2.983	2.983	2.899	2.824	2.740	2.591	2.506	2.357	2.198
75	3.133	3.133	3.133	3.058	2.983	2.899	2.740	2.591	2.432	2.273
80	3.292	3.292	3.292	3.217	3.133	3.058	2.899	2.740	2.591	2.357
85	3.451	3.451	3.367	3.367	3.217	3.217	3.058	2.899	2.665	2.506
90	3.451	3.451	3.451	3.367	3.367	3.217	3.058	2.899	2.740	2.506
95	3.451	3.451	3.451	3.367	3.367	3.217	3.058	2.983	2.740	2.506
100	3.610	3.610	3.526	3.451	3.451	3.292	3.217	3.058	2.824	2.665
105	3.610	3.610	3.610	3.610	3.451	3.367	3.292	3.058	2.899	2.740
110	3.760	3.760	3.610	3.610	3.610	3.451	3.367	3.217	3.058	2.824
115	3.760	3.760	3.685	3.610	3.610	3.451	3.367	3.217	3.058	2.899
120	3.760	3.760	3.610	3.610	3.610	3.451	3.367	3.292	3.133	2.824
125	3.760	3.685	3.610	3.610	3.526	3.451	3.292	3.217	3.058	2.899
130	3.760	3.610	3.610	3.451	3.451	3.367	3.217	3.217	2.983	2.899
135	3.610	3.451	3.451	3.451	3.367	3.292	3.133	3.058	2.983	2.899
140	3.610	3.367	3.292	3.292	3.217	3.058	3.133	3.058	3.058	3.058
145	3.451	3.292	3.133	3.133	2.983	3.058	3.133	3.133	3.217	3.133
150	3.292	3.133	2.983	2.899	2.899	3.058	3.217	3.292	3.292	3.133
155	3.133	2.983	2.899	2.665	2.899	3.058	3.292	3.292	3.217	3.133
160	2.824	2.824	2.432	2.591	2.824	3.217	3.133	3.133	3.058	3.058
165	2.665	2.357	2.198	2.506	3.058	2.983	2.983	2.983	3.133	3.217
170	2.824	2.357	2.506	3.133	3.292	3.526	3.760	4.077	4.470	4.938
175	4.704	5.256	5.798	6.350	6.350	6.584	6.668	6.743	6.818	6.818
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	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562
5	1.487	1.571	2.039	3.217	4.470	6.350	9.249	12.700	16.226	20.303
10	1.019	1.094	1.253	1.337	1.412	1.571	3.685	8.389	15.917	24.773
15	0.701	0.786	0.945	1.094	1.253	1.412	1.571	4.779	15.365	29.010
20	0.786	0.786	0.701	0.786	0.945	1.094	1.412	2.357	14.814	33.078
25	0.860	0.860	0.786	0.701	0.786	0.945	1.253	1.412	14.037	36.922
30	0.945	0.860	0.860	0.860	0.701	0.860	1.094	1.412	13.252	40.447
35	1.019	1.019	0.945	0.860	0.860	0.701	0.945	1.253	13.252	42.645
40	1.178	1.094	1.019	0.945	0.860	0.860	0.860	1.178	12.232	45.310
45	1.253	1.253	1.094	0.945	0.945	0.860	0.701	1.094	11.288	47.424
50	1.412	1.253	1.253	1.094	0.945	0.860	0.786	0.945	9.090	50.641
55	1.571	1.412	1.253	1.094	1.019	0.945	0.860	0.860	7.837	52.128
60	1.721	1.571	1.412	1.253	1.094	0.945	0.860	0.860	6.668	53.147

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CANDELA TABULATION - (Cont.)

65	1.880	1.646	1.487	1.253	1.094	0.945	0.860	0.786	5.405	59.105
70	2.039	1.721	1.571	1.337	1.253	1.094	0.945	0.786	4.236	59.497
75	2.039	1.880	1.646	1.412	1.253	1.094	0.945	0.786	3.058	57.851
80	2.198	1.964	1.721	1.487	1.253	1.094	0.945	0.786	3.367	57.384
85	2.273	2.039	1.805	1.487	1.337	1.094	0.945	0.860	2.665	56.523
90	2.357	2.114	1.805	1.571	1.337	1.178	0.945	0.860	1.880	62.481
95	2.357	2.114	1.805	1.646	1.337	1.178	1.094	0.945	1.337	55.027
100	2.432	2.198	1.964	1.646	1.487	1.253	1.094	0.945	1.253	47.508
105	2.506	2.273	2.039	1.721	1.487	1.337	1.094	1.019	1.412	44.609
110	2.591	2.357	2.039	1.880	1.571	1.412	1.178	1.094	1.571	39.428
115	2.665	2.432	2.114	1.964	1.646	1.487	1.412	1.253	1.880	31.909
120	2.665	2.506	2.198	2.039	1.805	1.646	1.571	1.571	2.198	23.286
125	2.665	2.506	2.357	2.039	1.964	1.805	1.646	1.880	2.506	18.582
130	2.740	2.591	2.357	2.198	2.039	1.964	1.721	2.357	2.740	15.206
135	2.740	2.665	2.506	2.357	2.198	2.039	1.964	2.665	2.899	13.327
140	2.899	2.824	2.665	2.506	2.273	2.039	2.357	2.983	3.058	11.213
145	3.058	2.899	2.665	2.506	2.273	2.114	2.665	3.133	3.292	9.333
150	3.133	2.983	2.824	2.591	2.591	2.740	3.292	3.526	3.685	8.782
155	3.058	2.899	2.824	2.824	3.133	3.526	3.844	3.918	4.077	8.389
160	2.983	3.058	3.133	3.610	4.236	4.470	4.386	4.545	4.704	7.369
165	3.451	3.918	4.470	5.172	5.649	5.490	5.490	5.564	5.649	7.051
170	5.405	5.957	6.425	6.275	6.275	6.350	6.425	6.425	6.509	7.136
175	6.743	6.743	6.818	6.818	6.818	6.977	6.977	6.977	7.051	7.210
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	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562	16.562
5	23.988	27.673	31.432	35.117	38.568	41.785	45.002	47.976	50.641	53.073
10	33.162	41.551	50.407	58.562	66.558	74.236	81.765	88.816	95.091	101.048
15	42.178	55.345	69.298	82.466	95.250	107.707	119.631	131.779	142.207	152.316
20	50.959	69.532	88.274	106.304	124.410	141.973	159.452	176.145	191.361	205.781
25	59.264	82.466	105.752	129.899	153.176	176.697	199.506	220.829	241.057	260.107
30	67.101	94.465	123.549	152.157	182.654	211.112	238.700	266.139	291.305	312.553
35	77.219	106.454	140.561	174.265	210.560	244.274	277.511	310.514	340.226	368.441
40	81.054	117.592	156.468	195.195	237.054	276.099	312.076	352.692	387.725	420.578
45	85.758	128.796	170.898	214.479	261.201	305.418	347.436	390.783	430.613	469.096
50	92.351	137.895	183.907	231.808	283.384	321.092	378.326	426.302	470.349	512.527
55	96.578	145.498	195.120	246.696	300.947	351.981	405.288	457.107	504.615	550.702
60	100.029	151.764	206.174	261.127	315.134	371.190	427.948	482.741	533.382	582.377
65	102.853	155.215	212.047	271.236	320.315	386.397	445.735	502.969	555.799	606.917
70	104.574	158.591	217.537	276.800	327.526	399.564	460.558	517.699	572.109	624.555
75	105.593	160.864	221.063	281.738	340.375	407.093	467.217	527.107	583.948	635.450
80	104.106	161.724	222.709	284.170	348.848	410.459	471.219	533.148	588.334	639.677
85	103.480	161.490	222.559	284.254	348.764	410.459	470.742	530.642	587.315	638.349
90	103.788	161.565	220.679	281.823	340.693	407.093	466.824	526.013	580.179	632.392
95	101.441	158.666	217.069	277.427	328.695	398.863	459.613	517.549	570.696	621.730
100	98.458	154.355	211.112	271.947	323.841	388.510	445.978	504.063	556.032	605.579
105	94.857	147.453	206.249	263.324	319.053	376.362	433.512	488.305	538.161	586.137
110	90.780	141.655	196.448	251.251	308.392	363.269	416.416	469.096	516.922	562.859
115	85.449	134.753	186.890	239.252	295.224	345.790	396.347	446.446	491.915	536.515
120	75.256	126.448	176.070	225.617	278.372	322.504	373.538	422.224	464.869	504.297
125	69.850	111.476	158.507	204.528	255.085	303.145	348.138	393.373	433.194	470.041
130	50.716	94.932	139.850	180.690	225.065	267.710	308.476	355.114	396.590	432.016
135	38.409	83.177	118.920	158.507	197.234	234.006	271.161	304.707	347.043	386.948

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CANDELA TABULATION - (Cont.)

140	30.964	63.734	96.578	135.305	170.506	202.648	234.006	266.616	295.617	330.266
145	25.400	47.424	79.408	108.184	141.262	176.538	201.545	226.010	251.559	278.372
150	22.501	38.727	60.124	89.760	111.392	141.028	171.834	193.315	210.167	228.357
155	18.732	32.695	47.583	65.455	88.900	108.025	129.740	154.981	172.226	186.657
160	14.898	26.345	37.866	49.940	62.088	78.155	94.857	109.905	125.504	137.970
165	11.522	18.891	28.458	37.240	46.171	54.326	62.322	71.412	80.427	92.108
170	9.174	12.700	17.713	23.988	29.870	35.360	40.214	45.151	49.781	53.073
175	7.687	8.464	9.960	11.840	13.878	16.460	19.050	21.641	23.679	25.475
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	16.562	16.562	16.562	16.562	16.562	16.562	16.562
5	55.186	57.150	58.712	59.974	60.751	61.228	61.302
10	106.454	110.924	114.768	117.742	119.865	121.034	121.352
15	161.172	168.701	175.210	180.307	183.673	185.787	186.572
20	218.715	229.610	239.093	246.622	251.718	254.777	255.871
25	277.352	291.857	304.557	312.628	320.390	324.383	325.796
30	335.830	354.254	369.853	382.394	391.260	396.983	399.022
35	393.841	416.893	435.551	451.150	462.120	469.180	471.294
40	450.289	476.550	499.677	517.231	530.165	538.638	541.060
45	503.596	533.307	559.409	579.394	594.292	603.774	606.290
50	551.095	584.098	613.108	635.450	652.068	662.262	665.395
55	592.412	628.548	659.512	684.445	702.083	712.978	716.662
60	626.827	664.609	698.005	724.191	742.614	754.136	758.213
65	653.162	692.600	726.230	754.529	773.972	786.120	789.879
70	671.820	712.510	746.841	774.907	795.528	807.442	811.520
75	683.341	724.032	758.756	787.139	806.732	819.591	823.275
80	686.166	727.090	763.694	791.058	810.734	823.275	827.194
85	684.445	725.996	761.187	788.158	807.358	820.142	824.061
90	678.955	718.626	753.191	779.452	798.820	810.893	814.653
95	667.200	706.076	739.790	766.443	785.175	796.856	800.541
100	649.870	687.578	720.581	746.215	764.563	775.692	779.845
105	629.174	665.470	697.379	722.386	739.790	750.685	754.445
110	604.092	639.050	668.528	693.226	710.153	720.581	724.032
115	574.540	607.852	636.076	658.652	675.037	685.230	688.438
120	540.041	572.417	598.678	620.318	635.609	645.007	648.150
125	502.969	532.989	558.071	577.280	591.392	600.483	603.307
130	463.457	489.643	512.611	530.399	543.183	551.646	554.387
135	419.708	443.547	464.317	480.076	491.831	499.041	501.239
140	365.233	394.701	413.050	427.555	437.664	444.089	446.053
145	304.473	333.792	359.818	372.359	381.225	386.705	388.669
150	249.755	271.320	296.561	315.452	323.130	327.834	329.405
155	197.785	213.777	231.022	254.309	266.766	270.609	271.863
160	147.696	154.514	167.363	182.813	204.294	208.755	209.934
165	100.188	105.285	107.239	115.628	126.607	141.262	141.889
170	56.206	58.562	58.169	56.757	61.302	72.749	81.213
175	26.728	27.514	27.906	26.494	24.147	24.455	33.864
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	20.78	N.A.	0.90
0-30	68.70	N.A.	2.90
0-40	159.51	N.A.	6.80
0-60	491.67	N.A.	21.00
0-80	982.41	N.A.	41.90
0-90	1250.4	N.A.	53.30
10-90	1247.56	N.A.	53.20
20-40	138.72	N.A.	5.90
20-50	279.85	N.A.	11.90
40-70	564.32	N.A.	24.10
60-80	490.74	N.A.	20.90
70-80	258.59	N.A.	11.00
80-90	268.00	N.A.	11.40
90-110	498.94	N.A.	21.30
90-120	703.26	N.A.	30.00
90-130	864.40	N.A.	36.90
90-150	1046.65	N.A.	44.70
90-180	1093.55	N.A.	46.70
110-180	594.61	N.A.	25.40
0-180	2343.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.85
10-20	17.93
20-30	47.92
30-40	90.80
40-50	141.13
50-60	191.04
60-70	232.15
70-80	258.59
80-90	268.00
90-100	260.55
100-110	238.39
110-120	204.32
120-130	161.14
130-140	113.21
140-150	69.04
150-160	34.29
160-170	11.19
170-180	1.42

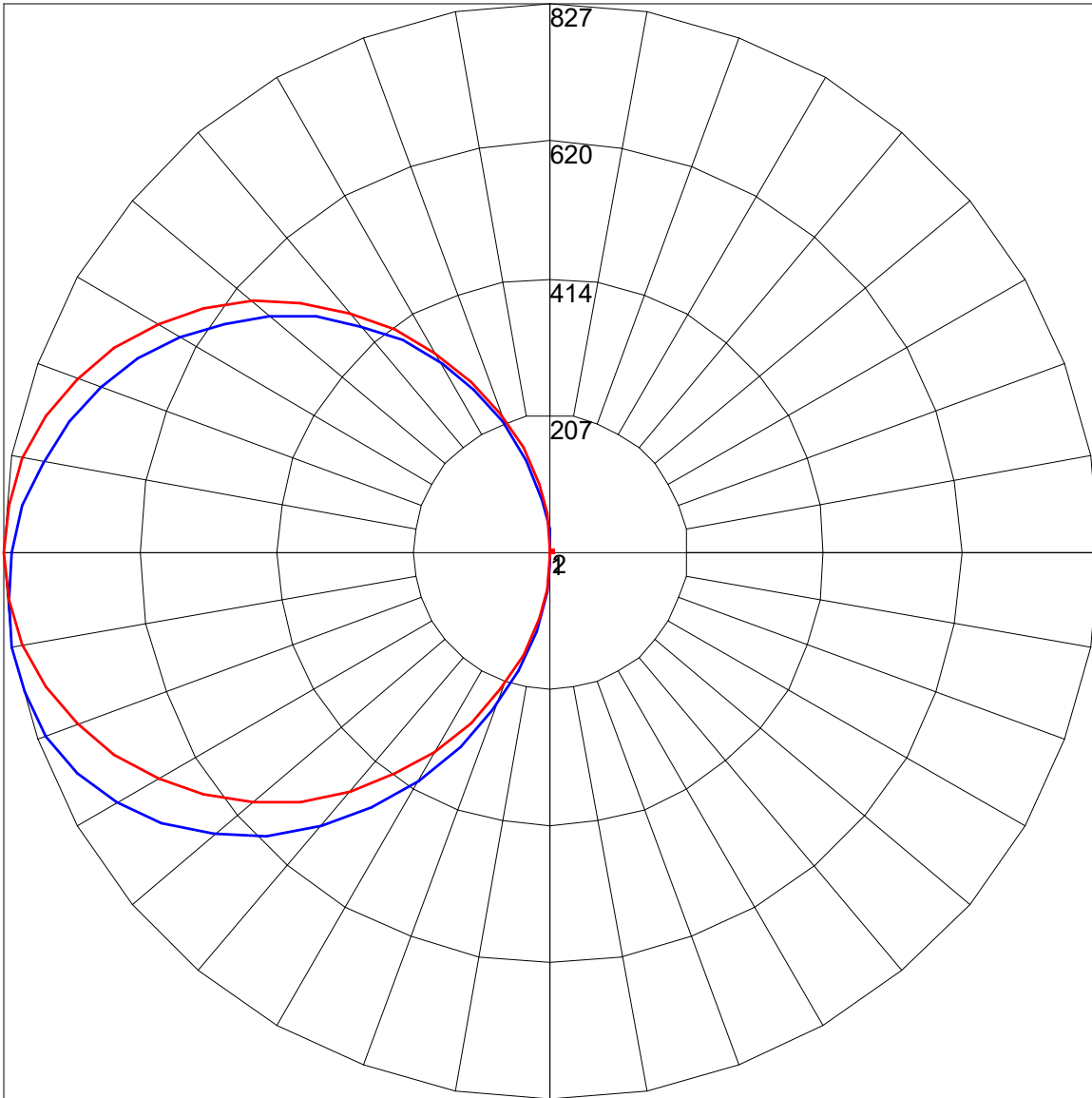
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PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_35_JA_BLI.IES

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 = 827.194 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.)