

IES Report

ZipWave® | 707 | Clear with EdgeSoft™ | 80 CRI | LO

707-Z9-4-48-AW / EW-XX-X-0-Z-LO-35-C1-0-AL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	126	130	132	132
Total Lumens, 4' rail length (1219mm)	1866	1925	1965	1965
Lumens per foot (305mm)	467	481	491	491
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
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_Z9_AW_LO_35_C1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911561R01 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z9-48-AW-Z-LO-35-C1-AL

[LUMINAIRE] ZipWave LED, wall cove, 48", 3500K, 80 CRI, zipper board, clear lens w/edgesoft,

[MORE] low output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1965
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.06 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	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z9_AW_LO_35_C1.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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	12.18	12.18	11.60	11.60	11.02	11.02	9.86	9.28	8.70	8.12
95	45.82	45.82	45.24	44.66	44.08	43.50	42.34	41.18	39.44	38.28
100	89.32	89.32	88.74	88.16	87.58	86.42	84.68	83.52	81.78	80.04
105	141.52	142.10	141.52	140.36	139.78	138.62	136.88	135.14	133.40	131.08
110	200.10	200.10	199.52	198.94	197.78	196.62	195.46	193.14	191.40	189.66
115	266.22	266.22	266.22	265.64	264.48	263.32	262.16	260.42	258.10	256.36
120	338.14	338.14	337.56	336.98	336.40	335.24	334.08	332.34	330.60	328.86
125	411.80	412.38	411.80	411.22	410.64	410.06	408.90	407.74	405.42	403.68
130	486.62	486.62	486.04	486.04	485.46	483.72	483.14	481.98	480.82	479.08
135	556.80	556.22	556.80	555.64	555.06	554.48	553.90	552.16	551.00	549.26
140	619.44	619.44	620.02	618.86	618.86	617.12	615.38	613.64	613.06	611.32
145	671.06	672.22	671.64	671.64	669.90	669.90	668.74	667.00	664.68	662.36
150	715.72	715.14	715.14	713.98	713.98	711.66	711.08	708.76	707.02	704.12
155	749.94	749.94	749.36	748.20	747.62	745.88	744.14	742.40	740.08	737.18
160	771.40	770.82	770.24	769.66	768.50	767.92	766.18	763.86	761.54	759.22
165	785.32	785.32	784.74	784.74	783.00	781.26	780.68	778.94	777.20	774.30
170	787.06	787.06	787.06	786.48	787.06	785.90	785.32	783.00	782.42	780.10
175	781.84	783.00	781.84	782.42	781.84	781.84	781.26	779.52	779.52	778.94
180	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z9_AW_LO_35_C1.IES

CANDELA TABULATION - (Cont.)

65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	6.96	6.38	5.80	4.64	4.06	3.48	2.32	1.74	1.74	1.16
95	36.54	34.80	33.06	31.32	29.00	27.26	24.94	23.20	21.46	20.30
100	77.72	75.40	73.08	70.76	67.86	64.38	61.48	58.00	55.10	52.20
105	128.76	126.44	123.54	120.64	117.16	112.52	107.88	103.82	98.60	93.96
110	187.34	184.44	181.54	177.48	173.42	168.78	162.40	156.02	149.64	143.26
115	254.04	251.14	248.24	243.60	238.96	233.16	226.20	218.66	210.54	201.84
120	326.54	323.64	320.16	316.10	310.88	303.92	296.38	287.10	277.24	266.80
125	401.94	399.04	395.56	390.92	386.28	379.32	370.62	360.76	349.74	338.14
130	476.76	473.86	470.38	466.32	459.94	452.98	443.70	432.68	421.66	409.48
135	546.36	544.04	539.98	535.34	528.96	521.42	511.56	501.70	490.68	478.50
140	608.42	604.94	600.88	595.08	589.28	581.74	572.46	563.18	552.16	541.14
145	658.88	655.40	651.34	645.54	639.16	632.20	624.08	615.38	605.52	595.08
150	701.22	697.16	693.10	687.30	682.08	674.54	667.00	659.46	651.34	642.64
155	734.28	730.80	725.58	720.94	715.72	709.34	703.54	696.58	689.04	681.50
160	756.32	752.84	749.36	744.72	740.66	735.44	730.80	725.00	719.20	713.40
165	771.98	769.66	766.18	762.70	759.80	756.32	751.68	747.62	743.56	738.34
170	778.94	776.62	773.72	771.40	769.66	766.76	765.02	761.54	758.64	755.16
175	777.20	776.62	776.04	774.88	772.56	771.98	770.24	769.08	767.92	767.34
180	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24

Vert. Angles **Horizontal Angles**

	100	105	110	115	120	125	130	135	140	145
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	1.16	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
95	19.72	18.56	17.40	16.24	15.08	13.92	12.76	11.60	11.02	9.86
100	49.88	47.56	45.24	42.92	40.02	37.70	35.38	33.06	30.74	29.00
105	89.90	85.84	81.78	77.72	73.66	69.02	64.96	60.90	57.42	53.94
110	137.46	131.66	125.86	120.64	114.26	108.46	102.08	96.28	91.06	85.84
115	194.30	186.76	179.22	172.26	164.14	156.60	148.48	140.36	133.40	125.86
120	257.52	248.82	240.12	232.00	222.72	213.44	203.58	193.72	185.02	176.32
125	327.70	317.26	308.56	299.28	289.42	278.98	268.54	257.52	247.08	237.22
130	399.04	388.60	379.32	369.46	359.02	349.74	339.30	328.28	317.84	307.40
135	467.48	457.62	447.76	439.06	430.36	421.08	411.80	401.94	392.66	382.80

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z9_AW_LO_35_C1.IES

CANDELA TABULATION - (Cont.)

140	530.12	520.84	511.56	503.44	495.32	488.36	480.82	473.28	465.16	457.62
145	585.22	576.52	568.40	562.02	555.06	548.68	543.46	537.66	531.28	526.06
150	634.52	626.40	618.86	613.06	606.10	602.04	597.40	592.76	588.70	584.64
155	674.54	667.58	661.78	655.98	650.76	646.70	643.22	639.16	636.26	633.94
160	707.60	702.96	697.74	693.10	689.04	684.40	681.50	678.60	676.28	673.38
165	734.28	730.22	726.16	722.10	719.20	716.30	713.40	711.08	708.18	707.02
170	752.26	750.52	747.62	744.72	742.40	740.08	738.34	736.60	735.44	733.12
175	765.02	765.02	763.86	762.12	760.96	759.22	758.64	756.90	755.74	755.74
180	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24	770.24

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.58	0.58	0.58	0.58	0.58	0.58	0.58
95	9.28	8.70	8.12	8.12	7.54	7.54	7.54
100	27.84	26.10	25.52	24.36	23.78	23.78	23.20
105	51.04	48.72	46.98	45.24	44.66	43.50	43.50
110	81.20	77.72	74.24	71.92	70.76	69.60	69.02
115	120.06	114.84	110.20	107.30	104.98	103.24	102.66
120	168.78	161.82	156.60	151.96	149.06	147.32	146.16
125	227.94	220.98	214.02	208.80	205.32	203.00	201.84
130	298.12	290.00	283.04	276.66	272.60	270.28	269.70
135	374.10	366.56	359.02	353.80	349.16	347.42	346.26
140	450.66	444.28	437.90	433.84	429.78	427.46	427.46
145	520.84	515.62	511.56	508.66	505.76	504.02	502.86
150	581.16	577.68	575.36	572.46	571.30	570.14	570.14
155	631.62	629.30	626.98	625.82	625.24	623.50	624.66
160	671.64	670.48	668.16	667.00	667.00	666.42	667.00
165	705.28	704.12	702.38	701.80	700.64	700.64	700.06
170	731.96	730.22	729.64	728.48	728.48	727.90	726.74
175	754.58	755.16	754.00	754.00	752.84	752.26	752.26
180	770.24	770.24	770.24	770.24	770.24	770.24	770.24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z9_AW_LO_35_C1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	1.12	N.A.	0.10
10-90	1.12	N.A.	0.10
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	1.12	N.A.	0.10
90-110	133.09	N.A.	6.80
90-120	331.03	N.A.	16.90
90-130	626.64	N.A.	31.90
90-150	1364.29	N.A.	69.40
90-180	1963.39	N.A.	99.90
110-180	1830.3	N.A.	93.20
0-180	1964.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	1.12
90-100	29.88
100-110	103.22
110-120	197.94
120-130	295.61
130-140	364.40
140-150	373.25
150-160	316.60
160-170	209.52
170-180	72.99

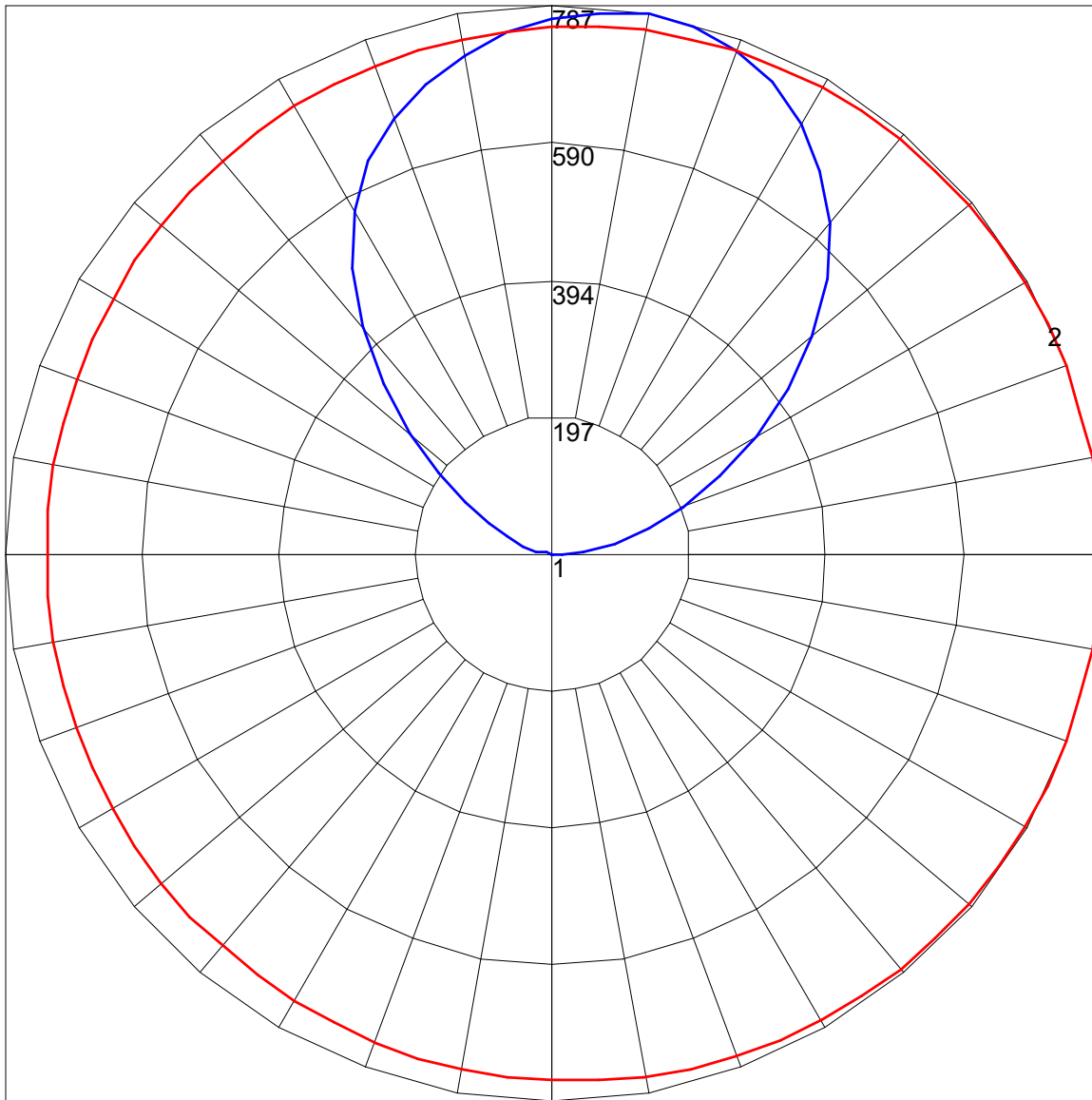
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : VODE_707_Z9_AW_LO_35_C1.IES

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	10	0
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 787.06 Located At Horizontal Angle = 0, Vertical Angle = 170
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (170) (Through Max. Cd.)