

IES Report

ZipWave® | 707 | Clear with EdgeSoft™ | 90 CRI | LO

707-Z9-4-48-AW / EW-XX-X-0-Z-LO-359-C1-0-AL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	109	112	114	119
Total Lumens, 4' rail length (1219mm)	1609	1660	1694	1710
Lumens per foot (305mm)	402	415	423	428
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	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_Z9_AW_LO_359_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-359-C1-AL

[LUMINAIRE] ZipWave LED, wall cove, 48", 3500K, 90 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	1694
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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

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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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	10.5	10.5	10.0	10.0	9.5	9.5	8.5	8.0	7.5	7.0
95	39.5	39.5	39.0	38.5	38.0	37.5	36.5	35.5	34.0	33.0
100	77.0	77.0	76.5	76.0	75.5	74.5	73.0	72.0	70.5	69.0
105	122.0	122.5	122.0	121.0	120.5	119.5	118.0	116.5	115.0	113.0
110	172.5	172.5	172.0	171.5	170.5	169.5	168.5	166.5	165.0	163.5
115	229.5	229.5	229.5	229.0	228.0	227.0	226.0	224.5	222.5	221.0
120	291.5	291.5	291.0	290.5	290.0	289.0	288.0	286.5	285.0	283.5
125	355.0	355.5	355.0	354.5	354.0	353.5	352.5	351.5	349.5	348.0
130	419.5	419.5	419.0	419.0	418.5	417.0	416.5	415.5	414.5	413.0
135	480.0	479.5	480.0	479.0	478.5	478.0	477.5	476.0	475.0	473.5
140	534.0	534.0	534.5	533.5	533.5	532.0	530.5	529.0	528.5	527.0
145	578.5	579.5	579.0	579.0	577.5	577.5	576.5	575.0	573.0	571.0
150	617.0	616.5	616.5	615.5	615.5	613.5	613.0	611.0	609.5	607.0
155	646.5	646.5	646.0	645.0	644.5	643.0	641.5	640.0	638.0	635.5
160	665.0	664.5	664.0	663.5	662.5	662.0	660.5	658.5	656.5	654.5
165	677.0	677.0	676.5	676.5	675.0	673.5	673.0	671.5	670.0	667.5
170	678.5	678.5	678.5	678.0	678.5	677.5	677.0	675.0	674.5	672.5
175	674.0	675.0	674.0	674.5	674.0	674.0	673.5	672.0	672.0	671.5
180	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA TABULATION - (Cont.)

65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	6.0	5.5	5.0	4.0	3.5	3.0	2.0	1.5	1.5	1.0
95	31.5	30.0	28.5	27.0	25.0	23.5	21.5	20.0	18.5	17.5
100	67.0	65.0	63.0	61.0	58.5	55.5	53.0	50.0	47.5	45.0
105	111.0	109.0	106.5	104.0	101.0	97.0	93.0	89.5	85.0	81.0
110	161.5	159.0	156.5	153.0	149.5	145.5	140.0	134.5	129.0	123.5
115	219.0	216.5	214.0	210.0	206.0	201.0	195.0	188.5	181.5	174.0
120	281.5	279.0	276.0	272.5	268.0	262.0	255.5	247.5	239.0	230.0
125	346.5	344.0	341.0	337.0	333.0	327.0	319.5	311.0	301.5	291.5
130	411.0	408.5	405.5	402.0	396.5	390.5	382.5	373.0	363.5	353.0
135	471.0	469.0	465.5	461.5	456.0	449.5	441.0	432.5	423.0	412.5
140	524.5	521.5	518.0	513.0	508.0	501.5	493.5	485.5	476.0	466.5
145	568.0	565.0	561.5	556.5	551.0	545.0	538.0	530.5	522.0	513.0
150	604.5	601.0	597.5	592.5	588.0	581.5	575.0	568.5	561.5	554.0
155	633.0	630.0	625.5	621.5	617.0	611.5	606.5	600.5	594.0	587.5
160	652.0	649.0	646.0	642.0	638.5	634.0	630.0	625.0	620.0	615.0
165	665.5	663.5	660.5	657.5	655.0	652.0	648.0	644.5	641.0	636.5
170	671.5	669.5	667.0	665.0	663.5	661.0	659.5	656.5	654.0	651.0
175	670.0	669.5	669.0	668.0	666.0	665.5	664.0	663.0	662.0	661.5
180	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0

Vert. Angles **Horizontal Angles**

	100	105	110	115	120	125	130	135	140	145
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.5	8.5
100	43.0	41.0	39.0	37.0	34.5	32.5	30.5	28.5	26.5	25.0
105	77.5	74.0	70.5	67.0	63.5	59.5	56.0	52.5	49.5	46.5
110	118.5	113.5	108.5	104.0	98.5	93.5	88.0	83.0	78.5	74.0
115	167.5	161.0	154.5	148.5	141.5	135.0	128.0	121.0	115.0	108.5
120	222.0	214.5	207.0	200.0	192.0	184.0	175.5	167.0	159.5	152.0
125	282.5	273.5	266.0	258.0	249.5	240.5	231.5	222.0	213.0	204.5
130	344.0	335.0	327.0	318.5	309.5	301.5	292.5	283.0	274.0	265.0
135	403.0	394.5	386.0	378.5	371.0	363.0	355.0	346.5	338.5	330.0

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CANDELA TABULATION - (Cont.)

140	457.0	449.0	441.0	434.0	427.0	421.0	414.5	408.0	401.0	394.5
145	504.5	497.0	490.0	484.5	478.5	473.0	468.5	463.5	458.0	453.5
150	547.0	540.0	533.5	528.5	522.5	519.0	515.0	511.0	507.5	504.0
155	581.5	575.5	570.5	565.5	561.0	557.5	554.5	551.0	548.5	546.5
160	610.0	606.0	601.5	597.5	594.0	590.0	587.5	585.0	583.0	580.5
165	633.0	629.5	626.0	622.5	620.0	617.5	615.0	613.0	610.5	609.5
170	648.5	647.0	644.5	642.0	640.0	638.0	636.5	635.0	634.0	632.0
175	659.5	659.5	658.5	657.0	656.0	654.5	654.0	652.5	651.5	651.5
180	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0	664.0

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95	8.0	7.5	7.0	7.0	6.5	6.5	6.5
100	24.0	22.5	22.0	21.0	20.5	20.5	20.0
105	44.0	42.0	40.5	39.0	38.5	37.5	37.5
110	70.0	67.0	64.0	62.0	61.0	60.0	59.5
115	103.5	99.0	95.0	92.5	90.5	89.0	88.5
120	145.5	139.5	135.0	131.0	128.5	127.0	126.0
125	196.5	190.5	184.5	180.0	177.0	175.0	174.0
130	257.0	250.0	244.0	238.5	235.0	233.0	232.5
135	322.5	316.0	309.5	305.0	301.0	299.5	298.5
140	388.5	383.0	377.5	374.0	370.5	368.5	368.5
145	449.0	444.5	441.0	438.5	436.0	434.5	433.5
150	501.0	498.0	496.0	493.5	492.5	491.5	491.5
155	544.5	542.5	540.5	539.5	539.0	537.5	538.5
160	579.0	578.0	576.0	575.0	575.0	574.5	575.0
165	608.0	607.0	605.5	605.0	604.0	604.0	603.5
170	631.0	629.5	629.0	628.0	628.0	627.5	626.5
175	650.5	651.0	650.0	650.0	649.0	648.5	648.5
180	664.0	664.0	664.0	664.0	664.0	664.0	664.0

IES INDOOR REPORT
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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	0.97	N.A.	0.10
10-90	0.97	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	0.97	N.A.	0.10
90-110	114.74	N.A.	6.80
90-120	285.37	N.A.	16.90
90-130	540.21	N.A.	31.90
90-150	1176.11	N.A.	69.40
90-180	1692.58	N.A.	99.90
110-180	1577.84	N.A.	93.20
0-180	1693.55	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	0.97
90-100	25.76
100-110	88.98
110-120	170.64
120-130	254.84
130-140	314.14
140-150	321.76
150-160	272.93
160-170	180.62
170-180	62.92

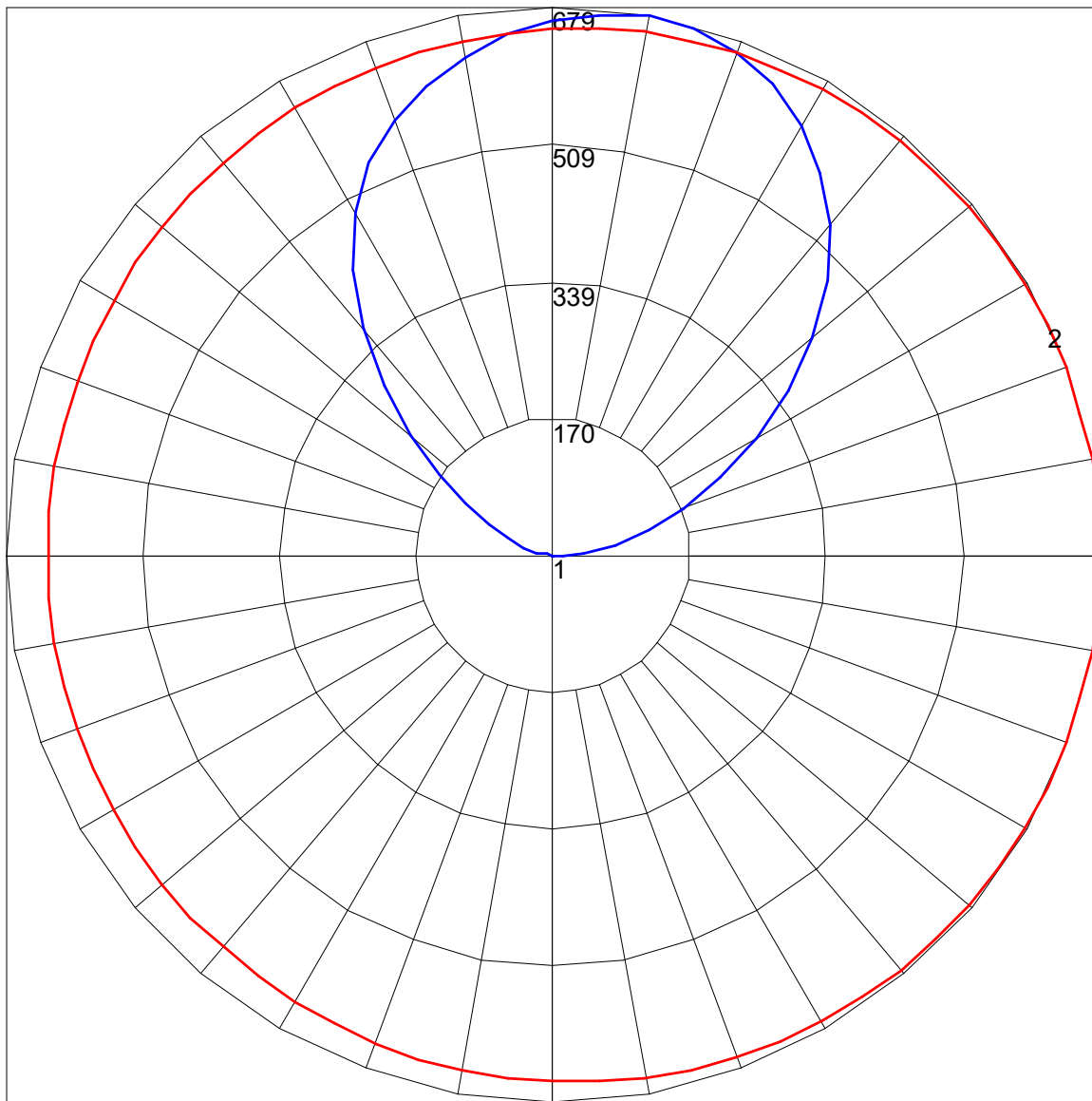
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
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 = 678.5 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.)