

IES Report

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

707-Z9-4-48-AC / EL-XX-X-0-Z-HO-35-C1-0-AL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	105	109	111	113
Total Lumens, 4' rail length (1219mm)	5649	5827	5946	6065
Lumens per foot (305mm)	1412	1457	1487	1516
Input Power (W), 4' rail length (1219mm)	53.9	53.9	53.9	53.9
Watts per foot (305mm)	13.5	13.5	13.5	13.5
CRI	85	85	85	85

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_AC_HO_35_C1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L101707601 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z9-48-AC-Z-HO-35-C1
[LUMINAIRE] ZipWave LED, 48", ceiling cove, 3500K, 80 CRI, zipper board,
[MORE] clear lens w/edge softening, high output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5936
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	53.86
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)	0.08 ft
Luminous Width (90-270)	4.00 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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	15.4	15.4	26.4	37.4	48.4	61.6	74.8	88.0	105.6	134.2
100	1381.6	1432.2	1568.6	1746.8	1905.2	1988.8	1969.0	1881.0	1753.4	1592.8
105	2519.0	2510.2	2481.6	2437.6	2376.0	2290.2	2189.0	2065.8	1920.6	1757.8
110	2604.8	2596.0	2567.4	2525.6	2466.2	2387.0	2290.2	2167.0	2017.4	1850.2
115	2662.0	2651.0	2629.0	2582.8	2519.0	2439.8	2345.2	2228.6	2094.4	1947.0
120	2690.6	2679.6	2659.8	2618.0	2560.8	2490.4	2402.4	2305.6	2202.2	2120.8
125	2723.6	2714.8	2697.2	2664.2	2618.0	2571.8	2527.8	2494.8	2437.6	2307.8
130	2849.0	2846.8	2840.2	2831.4	2809.4	2765.4	2688.4	2574.0	2424.4	2259.4
135	2915.0	2906.2	2879.8	2838.0	2774.2	2695.0	2593.8	2475.0	2334.2	2184.6
140	2765.4	2756.6	2732.4	2692.8	2631.2	2558.6	2468.4	2358.4	2233.0	2098.8
145	2596.0	2587.2	2565.2	2527.8	2475.0	2409.0	2327.6	2230.8	2118.6	1995.4
150	2404.6	2398.0	2378.2	2343.0	2294.6	2237.4	2164.8	2079.0	1977.8	1872.2
155	2182.4	2175.8	2158.2	2127.4	2085.6	2035.0	1973.4	1898.6	1815.0	1727.0
160	1925.0	1918.4	1905.2	1881.0	1848.0	1806.2	1757.8	1700.6	1634.6	1568.6
165	1652.2	1647.8	1639.0	1621.4	1597.2	1568.6	1535.6	1496.0	1454.2	1408.0
170	1394.8	1392.6	1388.2	1377.2	1364.0	1348.6	1331.0	1309.0	1282.6	1258.4
175	1179.2	1179.2	1177.0	1172.6	1168.2	1161.6	1155.0	1146.2	1137.4	1126.4
180	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4

Vert. Horizontal Angles
 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

IES INDOOR REPORT
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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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	184.8	343.2	550.0	596.2	466.4	332.2	206.8	138.6	55.0	39.6
100	1408.0	1210.0	996.6	774.4	602.8	457.6	382.8	248.6	156.2	90.2
105	1566.4	1350.8	1128.6	924.0	781.0	686.4	506.0	354.2	239.8	171.6
110	1669.8	1471.8	1287.0	1179.2	1018.6	774.4	611.6	455.4	336.6	255.2
115	1797.4	1672.0	1573.0	1346.4	1104.4	880.0	699.6	552.2	429.0	343.2
120	2061.4	1894.2	1650.0	1397.0	1166.0	954.8	783.2	640.2	519.2	431.2
125	2118.6	1894.2	1661.0	1430.0	1216.6	1020.8	858.0	721.6	602.8	517.0
130	2074.6	1870.0	1661.0	1449.8	1256.2	1073.6	921.8	792.0	679.8	594.0
135	2019.6	1837.0	1645.6	1456.4	1280.4	1115.4	974.6	853.6	745.8	666.6
140	1949.2	1786.4	1617.0	1449.8	1291.4	1144.0	1016.4	906.4	807.4	730.4
145	1863.4	1720.4	1570.8	1425.6	1289.2	1159.4	1047.2	948.2	858.0	787.6
150	1757.8	1634.6	1509.2	1386.0	1271.6	1161.6	1067.0	981.2	902.0	840.4
155	1632.4	1533.4	1432.2	1333.2	1243.0	1155.0	1075.8	1003.2	939.4	884.4
160	1498.2	1423.4	1348.6	1273.8	1205.6	1137.4	1078.0	1020.8	968.0	924.0
165	1359.6	1311.2	1260.6	1210.0	1161.6	1115.4	1071.4	1029.6	992.2	957.0
170	1232.0	1203.4	1174.8	1144.0	1115.4	1086.8	1058.2	1031.8	1007.6	983.4
175	1115.4	1104.4	1091.2	1080.2	1067.0	1053.8	1040.6	1029.6	1016.4	1003.2
180	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4

Vert. Angles **Horizontal 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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
100	96.8	94.6	90.2	88.0	83.6	81.4	81.4	79.2	79.2	77.0
105	156.2	158.4	156.2	149.6	143.0	138.6	134.2	132.0	127.6	125.4
110	213.4	220.0	220.0	215.6	209.0	202.4	195.8	189.2	184.8	182.6
115	288.2	275.0	281.6	279.4	275.0	268.4	261.8	253.0	248.6	242.0
120	369.6	332.2	334.4	336.6	336.6	332.2	325.6	319.0	312.4	308.0
125	448.8	402.6	380.6	385.0	389.4	389.4	385.0	380.6	374.0	369.6
130	525.8	475.2	440.0	429.0	433.4	435.6	437.8	435.6	431.2	429.0
135	598.4	545.6	508.2	481.8	473.0	477.4	479.6	481.8	479.6	479.6

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CANDELA TABULATION - (Cont.)

140	666.6	613.8	574.2	543.4	521.4	512.6	514.8	517.0	519.2	519.2
145	730.4	679.8	638.0	607.2	580.8	563.2	552.2	547.8	550.0	552.2
150	785.4	739.2	699.6	668.8	640.2	620.4	605.0	591.8	583.0	578.6
155	836.0	794.2	756.8	728.2	701.8	679.8	662.2	646.8	635.8	627.0
160	882.2	847.0	814.0	785.4	761.2	741.4	723.8	708.4	695.2	684.2
165	924.0	895.4	866.8	844.8	822.8	805.2	787.6	774.4	761.2	750.2
170	961.4	939.4	919.6	902.0	884.4	871.2	858.0	847.0	836.0	827.2
175	992.2	981.2	970.2	961.4	950.4	941.6	935.0	928.4	921.8	915.2
180	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4

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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	39.6	39.6	39.6	39.6	37.4	37.4	37.4
100	77.0	74.8	74.8	74.8	72.6	72.6	72.6
105	123.2	121.0	121.0	118.8	118.8	116.6	116.6
110	178.2	176.0	173.8	171.6	169.4	169.4	169.4
115	237.6	235.4	231.0	228.8	226.6	226.6	224.4
120	301.4	297.0	294.8	290.4	288.2	288.2	288.2
125	365.2	360.8	356.4	354.2	352.0	349.8	349.8
130	424.6	420.2	418.0	415.8	413.6	411.4	411.4
135	477.4	475.2	473.0	470.8	468.6	468.6	468.6
140	519.2	519.2	519.2	517.0	517.0	517.0	517.0
145	554.4	554.4	554.4	554.4	554.4	554.4	554.4
150	576.4	578.6	580.8	580.8	580.8	580.8	583.0
155	620.4	613.8	611.6	609.4	607.2	605.0	605.0
160	675.4	668.8	664.4	660.0	657.8	655.6	655.6
165	743.6	734.8	728.2	723.8	721.6	719.4	719.4
170	818.4	811.8	807.4	803.0	800.8	798.6	796.4
175	910.8	906.4	902.0	899.8	897.6	897.6	897.6
180	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4	1016.4

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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	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
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	0.00	N.A.	0.00
90-110	1133.45	N.A.	19.10
90-120	2160.76	N.A.	36.40
90-130	3221.6	N.A.	54.30
90-150	4981.56	N.A.	83.90
90-180	5935.61	N.A.	100.00
110-180	4802.16	N.A.	80.90
0-180	5935.61	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	0.00
90-100	245.63
100-110	887.82
110-120	1027.32
120-130	1060.83
130-140	979.30
140-150	780.66
150-160	544.97
160-170	310.27
170-180	98.80

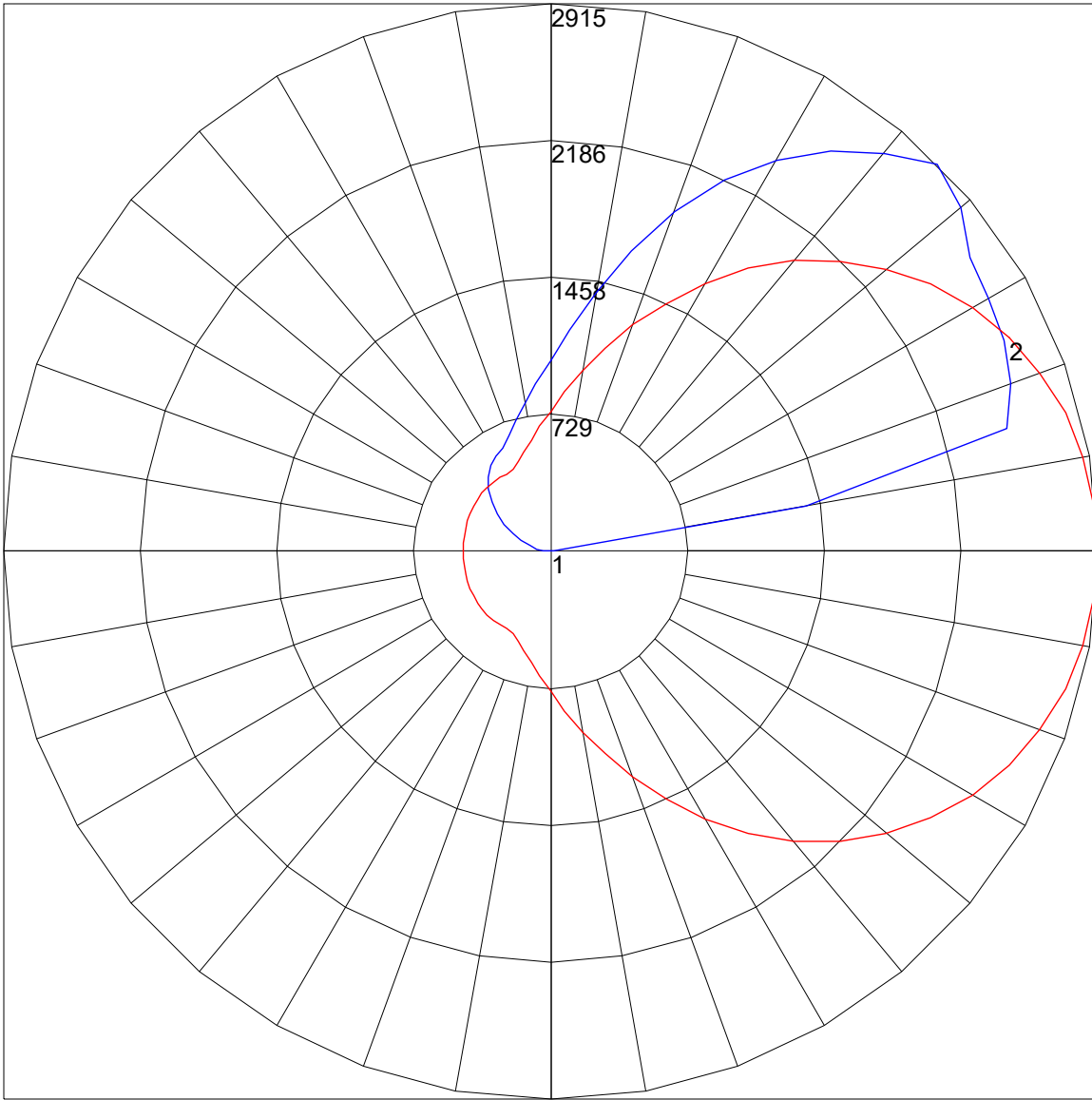
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z9_AC_HO_35_C1.IES

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	
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 = 2915 Located At Horizontal Angle = 0, Vertical Angle = 135
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (135) (Through Max. Cd.)