

IES Report

ZipOne® | 707 | 100° Asymmetric | 80 CRI | HO

707-Z1-4-48-X-XX-X-0-Z-HO-35-A2-X-AL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	122	125	128	128
Total Lumens, 4' rail length (1219mm)	4767	4918	5018	5018
Lumens per foot (305mm)	1192	1229	1255	1255
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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_Z1_HO_35_A2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911522 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUEDATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z1-48-Z-HO-35-A2-AL

[LUMINAIRE] ZipOne LED, 48", 3500K, 80 CRI, zipper board,

[MORE] 100° asymmetric lens, high 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	5019
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	39.55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.44
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.20
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	113695	109151	87543
55	108196	101912	76229
65	98081	90479	62297
75	85678	76595	47834
85	77318	63832	30568

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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	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16
5	2328.12	2328.12	2324.64	2324.64	2321.16	2319.42	2315.94	2312.46	2307.24	2300.28
10	2380.32	2380.32	2376.84	2375.10	2373.36	2368.14	2362.92	2355.96	2349.00	2340.30
15	2385.54	2385.54	2383.80	2382.06	2376.84	2373.36	2366.40	2361.18	2350.74	2342.04
20	2354.22	2352.48	2350.74	2350.74	2345.52	2342.04	2335.08	2328.12	2319.42	2310.72
25	2291.58	2291.58	2289.84	2288.10	2284.62	2279.40	2274.18	2267.22	2256.78	2246.34
30	2204.58	2202.84	2202.84	2199.36	2195.88	2190.66	2183.70	2176.74	2166.30	2157.60
35	2091.48	2089.74	2088.00	2084.52	2079.30	2072.34	2065.38	2058.42	2047.98	2035.80
40	1950.54	1950.54	1947.06	1943.58	1936.62	1931.40	1922.70	1912.26	1900.08	1887.90
45	1785.24	1783.50	1780.02	1776.54	1769.58	1760.88	1750.44	1740.00	1727.82	1713.90
50	1592.10	1590.36	1586.88	1581.66	1574.70	1566.00	1555.56	1543.38	1529.46	1513.80
55	1378.08	1376.34	1372.86	1367.64	1360.68	1350.24	1339.80	1325.88	1313.70	1298.04
60	1151.88	1150.14	1146.66	1141.44	1134.48	1125.78	1115.34	1101.42	1087.50	1073.58
65	920.46	920.46	916.98	911.76	904.80	897.84	887.40	876.96	863.04	849.12
70	697.74	697.74	694.26	690.78	683.82	676.86	668.16	657.72	647.28	635.10
75	492.42	492.42	488.94	485.46	480.24	475.02	468.06	459.36	448.92	440.22
80	304.50	304.50	302.76	299.28	295.80	290.58	285.36	280.14	271.44	264.48
85	149.64	149.64	149.64	146.16	144.42	140.94	137.46	132.24	127.02	123.54
90	50.46	50.46	48.72	48.72	46.98	45.24	41.76	40.02	38.28	34.80
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16
5	2295.06	2289.84	2282.88	2274.18	2265.48	2256.78	2246.34	2237.64	2227.20	2216.76
10	2329.86	2319.42	2307.24	2293.32	2277.66	2260.26	2239.38	2221.98	2199.36	2175.00
15	2329.86	2317.68	2300.28	2281.14	2262.00	2239.38	2211.54	2183.70	2150.64	2114.10
20	2296.80	2282.88	2265.48	2244.60	2221.98	2192.40	2159.34	2122.80	2079.30	2028.84
25	2234.16	2220.24	2201.10	2180.22	2154.12	2121.06	2084.52	2039.28	1985.34	1922.70
30	2143.68	2128.02	2110.62	2088.00	2060.16	2025.36	1983.60	1933.14	1868.76	1793.94
35	2023.62	2007.96	1988.82	1966.20	1938.36	1901.82	1856.58	1799.16	1724.34	1640.82
40	1873.98	1858.32	1839.18	1816.56	1788.72	1750.44	1701.72	1640.82	1560.78	1466.82
45	1698.24	1682.58	1661.70	1639.08	1609.50	1571.22	1524.24	1459.86	1374.60	1277.16
50	1498.14	1480.74	1459.86	1437.24	1407.66	1371.12	1320.66	1258.02	1177.98	1073.58
55	1280.64	1263.24	1242.36	1219.74	1191.90	1157.10	1108.38	1047.48	970.92	873.48
60	1056.18	1038.78	1017.90	995.28	969.18	936.12	892.62	838.68	769.08	685.56

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CANDELA TABULATION - (Cont.)

65	833.46	817.80	798.66	777.78	753.42	723.84	685.56	640.32	584.64	516.78
70	621.18	607.26	591.60	575.94	555.06	528.96	499.38	461.10	417.60	368.88
75	429.78	417.60	403.68	389.76	374.10	354.96	332.34	306.24	274.92	241.86
80	255.78	247.08	236.64	227.94	215.76	201.84	187.92	170.52	153.12	135.72
85	118.32	111.36	106.14	99.18	92.22	83.52	76.56	67.86	59.16	53.94
90	33.06	29.58	26.10	22.62	19.14	13.92	8.70	5.22	3.48	3.48
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	100	105	110	115	120	125	130	135	140	145
0	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16
5	2206.32	2195.88	2185.44	2175.00	2164.56	2154.12	2145.42	2134.98	2126.28	2119.32
10	2152.38	2126.28	2101.92	2075.82	2049.72	2025.36	1999.26	1974.90	1952.28	1931.40
15	2077.56	2035.80	1992.30	1948.80	1900.08	1856.58	1813.08	1767.84	1727.82	1689.54
20	1974.90	1917.48	1854.84	1788.72	1722.60	1656.48	1592.10	1525.98	1468.56	1412.88
25	1854.84	1776.54	1693.02	1606.02	1513.80	1428.54	1345.02	1263.24	1191.90	1125.78
30	1708.68	1612.98	1508.58	1404.18	1292.82	1190.16	1096.20	1007.46	927.42	863.04
35	1541.64	1428.54	1310.22	1191.90	1068.36	960.48	864.78	774.30	702.96	645.54
40	1357.20	1233.66	1104.90	981.36	857.82	755.16	664.68	588.12	525.48	478.50
45	1162.32	1035.30	904.80	786.48	671.64	581.16	506.34	441.96	393.24	356.70
50	960.48	838.68	722.10	615.96	522.00	445.44	382.80	334.08	299.28	269.70
55	770.82	662.94	562.02	471.54	398.46	339.30	292.32	255.78	227.94	208.80
60	595.08	511.56	428.04	360.18	302.76	257.52	222.72	196.62	177.48	161.82
65	448.92	382.80	320.16	266.22	226.20	193.14	167.04	147.90	133.98	123.54
70	318.42	271.44	227.94	193.14	161.82	142.68	121.80	109.62	99.18	90.48
75	210.54	179.22	151.38	128.76	109.62	93.96	83.52	74.82	67.86	62.64
80	118.32	102.66	87.00	74.82	64.38	55.68	50.46	45.24	40.02	38.28
85	46.98	41.76	36.54	31.32	27.84	26.10	22.62	20.88	19.14	17.40
90	5.22	5.22	5.22	5.22	5.22	3.48	3.48	3.48	3.48	3.48
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16	2234.16
5	2110.62	2105.40	2100.18	2096.70	2093.22	2091.48	2089.74
10	1912.26	1894.86	1880.94	1870.50	1861.80	1856.58	1856.58
15	1656.48	1626.90	1602.54	1581.66	1567.74	1559.04	1555.56
20	1364.16	1322.40	1289.34	1261.50	1242.36	1230.18	1226.70
25	1068.36	1023.12	984.84	953.52	932.64	920.46	915.24
30	807.36	760.38	723.84	696.00	676.86	666.42	662.94
35	596.82	558.54	527.22	504.60	488.94	480.24	476.76
40	438.48	408.90	386.28	368.88	358.44	351.48	349.74
45	328.86	306.24	290.58	278.40	269.70	266.22	264.48
50	248.82	234.90	222.72	214.02	208.80	205.32	205.32
55	193.14	182.70	174.00	167.04	163.56	161.82	160.08
60	149.64	142.68	135.72	132.24	128.76	127.02	127.02
65	114.84	109.62	104.40	100.92	99.18	97.44	97.44
70	85.26	80.04	76.56	74.82	73.08	71.34	71.34
75	57.42	55.68	52.20	50.46	50.46	48.72	48.72
80	34.80	33.06	33.06	31.32	31.32	29.58	29.58
85	17.40	15.66	15.66	15.66	15.66	13.92	13.92
90	3.48	3.48	3.48	3.48	3.48	3.48	3.48
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	788.23	N.A.	15.70
0-30	1605.63	N.A.	32.00
0-40	2516.97	N.A.	50.20
0-60	4127.29	N.A.	82.20
0-80	4926.85	N.A.	98.20
0-90	5013.74	N.A.	99.90
10-90	4803.96	N.A.	95.70
20-40	1728.74	N.A.	34.40
20-50	2605.9	N.A.	51.90
40-70	2127.39	N.A.	42.40
60-80	799.56	N.A.	15.90
70-80	282.49	N.A.	5.60
80-90	86.89	N.A.	1.70
90-110	4.96	N.A.	0.10
90-120	4.96	N.A.	0.10
90-130	4.96	N.A.	0.10
90-150	4.96	N.A.	0.10
90-180	4.96	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	5018.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	209.79
10-20	578.44
20-30	817.40
30-40	911.34
40-50	877.16
50-60	733.16
60-70	517.07
70-80	282.49
80-90	86.89
90-100	4.96
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

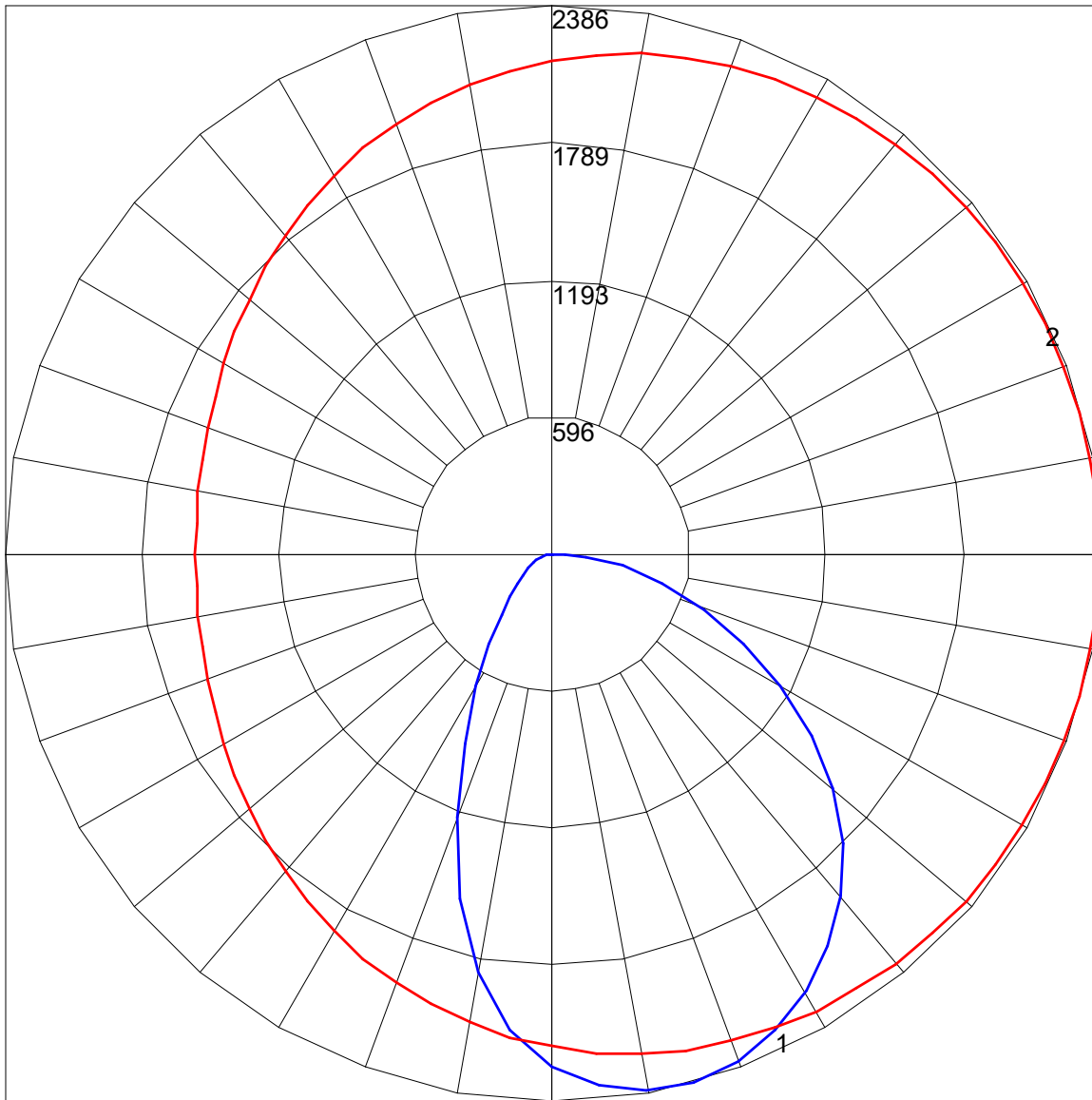
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : VODE_707_Z1_HO_35_A2.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	46
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 2385.54 Located At Horizontal Angle = 0, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)