

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	142	146	149	149
Total Lumens, 4' rail length (1219mm)	3733	3850	3929	3929
Lumens per foot (305mm)	933	963	982	982
Input Power (W), 4' rail length (1219mm)	26.4	26.4	26.4	26.4
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_Z9_AW_SO_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-SO-35-C1-AL
[LUMINAIRE] ZipWave LED, wall cove, 48", 3500K, 80 CRI, zipper board, clear lens w/edgesoft,
[MORE] standard 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	3929
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	149
Total Luminaire Watts	26.39
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	0.00	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	24.36	24.36	23.20	23.20	22.04	22.04	19.72	18.56	17.40	16.24
95	91.64	91.64	90.48	89.32	88.16	87.00	84.68	82.36	78.88	76.56
100	178.64	178.64	177.48	176.32	175.16	172.84	169.36	167.04	163.56	160.08
105	283.04	284.20	283.04	280.72	279.56	277.24	273.76	270.28	266.80	262.16
110	400.20	400.20	399.04	397.88	395.56	393.24	390.92	386.28	382.80	379.32
115	532.44	532.44	532.44	531.28	528.96	526.64	524.32	520.84	516.20	512.72
120	676.28	676.28	675.12	673.96	672.80	670.48	668.16	664.68	661.20	657.72
125	823.60	824.76	823.60	822.44	821.28	820.12	817.80	815.48	810.84	807.36
130	973.24	973.24	972.08	972.08	970.92	967.44	966.28	963.96	961.64	958.16
135	1113.60	1112.44	1113.60	1111.28	1110.12	1108.96	1107.80	1104.32	1102.00	1098.52
140	1238.88	1238.88	1240.04	1237.72	1237.72	1234.24	1230.76	1227.28	1226.12	1222.64
145	1342.12	1344.44	1343.28	1343.28	1339.80	1339.80	1337.48	1334.00	1329.36	1324.72
150	1431.44	1430.28	1430.28	1427.96	1427.96	1423.32	1422.16	1417.52	1414.04	1408.24
155	1499.88	1499.88	1498.72	1496.40	1495.24	1491.76	1488.28	1484.80	1480.16	1474.36
160	1542.80	1541.64	1540.48	1539.32	1537.00	1535.84	1532.36	1527.72	1523.08	1518.44
165	1570.64	1570.64	1569.48	1569.48	1566.00	1562.52	1561.36	1557.88	1554.40	1548.60
170	1574.12	1574.12	1574.12	1572.96	1574.12	1571.80	1570.64	1566.00	1564.84	1560.20
175	1563.68	1566.00	1563.68	1564.84	1563.68	1563.68	1562.52	1559.04	1559.04	1557.88
180	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48

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	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
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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	13.92	12.76	11.60	9.28	8.12	6.96	4.64	3.48	3.48	2.32
95	73.08	69.60	66.12	62.64	58.00	54.52	49.88	46.40	42.92	40.60
100	155.44	150.80	146.16	141.52	135.72	128.76	122.96	116.00	110.20	104.40
105	257.52	252.88	247.08	241.28	234.32	225.04	215.76	207.64	197.20	187.92
110	374.68	368.88	363.08	354.96	346.84	337.56	324.80	312.04	299.28	286.52
115	508.08	502.28	496.48	487.20	477.92	466.32	452.40	437.32	421.08	403.68
120	653.08	647.28	640.32	632.20	621.76	607.84	592.76	574.20	554.48	533.60
125	803.88	798.08	791.12	781.84	772.56	758.64	741.24	721.52	699.48	676.28
130	953.52	947.72	940.76	932.64	919.88	905.96	887.40	865.36	843.32	818.96
135	1092.72	1088.08	1079.96	1070.68	1057.92	1042.84	1023.12	1003.40	981.36	957.00
140	1216.84	1209.88	1201.76	1190.16	1178.56	1163.48	1144.92	1126.36	1104.32	1082.28
145	1317.76	1310.80	1302.68	1291.08	1278.32	1264.40	1248.16	1230.76	1211.04	1190.16
150	1402.44	1394.32	1386.20	1374.60	1364.16	1349.08	1334.00	1318.92	1302.68	1285.28
155	1468.56	1461.60	1451.16	1441.88	1431.44	1418.68	1407.08	1393.16	1378.08	1363.00
160	1512.64	1505.68	1498.72	1489.44	1481.32	1470.88	1461.60	1450.00	1438.40	1426.80
165	1543.96	1539.32	1532.36	1525.40	1519.60	1512.64	1503.36	1495.24	1487.12	1476.68
170	1557.88	1553.24	1547.44	1542.80	1539.32	1533.52	1530.04	1523.08	1517.28	1510.32
175	1554.40	1553.24	1552.08	1549.76	1545.12	1543.96	1540.48	1538.16	1535.84	1534.68
180	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48

Vert. Horizontal Angles
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	2.32	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95	39.44	37.12	34.80	32.48	30.16	27.84	25.52	23.20	22.04	19.72
100	99.76	95.12	90.48	85.84	80.04	75.40	70.76	66.12	61.48	58.00
105	179.80	171.68	163.56	155.44	147.32	138.04	129.92	121.80	114.84	107.88
110	274.92	263.32	251.72	241.28	228.52	216.92	204.16	192.56	182.12	171.68
115	388.60	373.52	358.44	344.52	328.28	313.20	296.96	280.72	266.80	251.72
120	515.04	497.64	480.24	464.00	445.44	426.88	407.16	387.44	370.04	352.64
125	655.40	634.52	617.12	598.56	578.84	557.96	537.08	515.04	494.16	474.44
130	798.08	777.20	758.64	738.92	718.04	699.48	678.60	656.56	635.68	614.80
135	934.96	915.24	895.52	878.12	860.72	842.16	823.60	803.88	785.32	765.60

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

140	1060.24	1041.68	1023.12	1006.88	990.64	976.72	961.64	946.56	930.32	915.24
145	1170.44	1153.04	1136.80	1124.04	1110.12	1097.36	1086.92	1075.32	1062.56	1052.12
150	1269.04	1252.80	1237.72	1226.12	1212.20	1204.08	1194.80	1185.52	1177.40	1169.28
155	1349.08	1335.16	1323.56	1311.96	1301.52	1293.40	1286.44	1278.32	1272.52	1267.88
160	1415.20	1405.92	1395.48	1386.20	1378.08	1368.80	1363.00	1357.20	1352.56	1346.76
165	1468.56	1460.44	1452.32	1444.20	1438.40	1432.60	1426.80	1422.16	1416.36	1414.04
170	1504.52	1501.04	1495.24	1489.44	1484.80	1480.16	1476.68	1473.20	1470.88	1466.24
175	1530.04	1530.04	1527.72	1524.24	1521.92	1518.44	1517.28	1513.80	1511.48	1511.48
180	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48

Vert. Horizontal Angles
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	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95	18.56	17.40	16.24	16.24	15.08	15.08	15.08
100	55.68	52.20	51.04	48.72	47.56	47.56	46.40
105	102.08	97.44	93.96	90.48	89.32	87.00	87.00
110	162.40	155.44	148.48	143.84	141.52	139.20	138.04
115	240.12	229.68	220.40	214.60	209.96	206.48	205.32
120	337.56	323.64	313.20	303.92	298.12	294.64	292.32
125	455.88	441.96	428.04	417.60	410.64	406.00	403.68
130	596.24	580.00	566.08	553.32	545.20	540.56	539.40
135	748.20	733.12	718.04	707.60	698.32	694.84	692.52
140	901.32	888.56	875.80	867.68	859.56	854.92	854.92
145	1041.68	1031.24	1023.12	1017.32	1011.52	1008.04	1005.72
150	1162.32	1155.36	1150.72	1144.92	1142.60	1140.28	1140.28
155	1263.24	1258.60	1253.96	1251.64	1250.48	1247.00	1249.32
160	1343.28	1340.96	1336.32	1334.00	1334.00	1332.84	1334.00
165	1410.56	1408.24	1404.76	1403.60	1401.28	1401.28	1400.12
170	1463.92	1460.44	1459.28	1456.96	1456.96	1455.80	1453.48
175	1509.16	1510.32	1508.00	1508.00	1505.68	1504.52	1504.52
180	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48	1540.48

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	2.25	N.A.	0.10
10-90	2.25	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	2.25	N.A.	0.10
90-110	266.19	N.A.	6.80
90-120	662.07	N.A.	16.90
90-130	1253.29	N.A.	31.90
90-150	2728.58	N.A.	69.40
90-180	3926.78	N.A.	99.90
110-180	3660.59	N.A.	93.20
0-180	3929.03	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	2.25
90-100	59.75
100-110	206.43
110-120	395.88
120-130	591.22
130-140	728.80
140-150	746.49
150-160	633.20
160-170	419.03
170-180	145.97

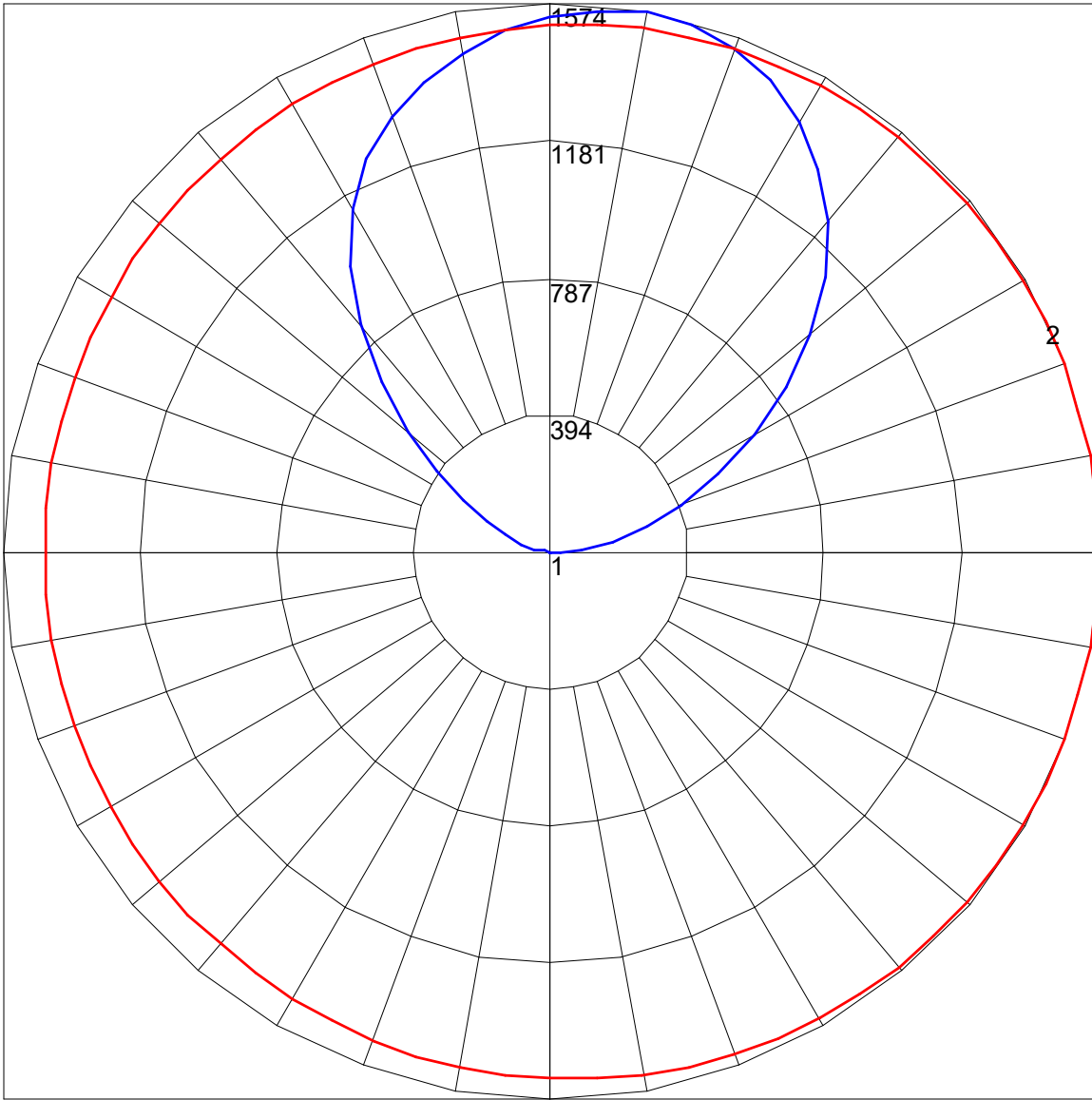
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z9_AW_SO_35_C1.IES

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 = 1574.12 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.)