

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	125	128	131	131
Total Lumens, 4' rail length (1219mm)	3273	3376	3445	3445
Lumens per foot (305mm)	818	844	861	861
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_AC_Z_SO_35_C1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L121911558R01 (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-AC-Z-SO-35-C1-AL
[LUMINAIRE] ZipWave LED, ceiling 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	3445
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	Unknown
Luminous Length (0-180)	0.00 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	0.00	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	87.00	87.00	93.96	100.92	106.72	112.52	119.48	125.28	131.08	138.04
95	1470.88	1463.92	1443.04	1412.88	1368.80	1310.80	1238.88	1149.56	1045.16	931.48
100	1556.72	1550.92	1530.04	1496.40	1452.32	1394.32	1321.24	1231.92	1126.36	1010.36
105	1593.84	1584.56	1566.00	1533.52	1485.96	1430.28	1351.40	1264.40	1165.80	1055.60
110	1596.16	1590.36	1572.96	1542.80	1501.04	1447.68	1382.72	1307.32	1213.36	1113.60
115	1617.04	1610.08	1592.68	1567.16	1526.56	1477.84	1416.36	1345.60	1259.76	1164.64
120	1627.48	1622.84	1606.60	1581.08	1546.28	1498.72	1440.72	1367.64	1279.48	1182.04
125	1622.84	1618.20	1600.80	1575.28	1539.32	1488.28	1427.96	1354.88	1265.56	1169.28
130	1583.40	1578.76	1563.68	1535.84	1499.88	1450.00	1388.52	1315.44	1227.28	1133.32
135	1514.96	1510.32	1494.08	1466.24	1431.44	1381.56	1323.56	1250.48	1168.12	1079.96
140	1417.52	1412.88	1396.64	1369.96	1335.16	1286.44	1230.76	1164.64	1089.24	1011.52
145	1291.08	1287.60	1270.20	1247.00	1214.52	1172.76	1122.88	1064.88	999.92	933.80
150	1144.92	1142.60	1129.84	1110.12	1082.28	1046.32	1004.56	957.00	905.96	854.92
155	991.80	989.48	979.04	963.96	943.08	916.40	886.24	851.44	814.32	776.04
160	851.44	847.96	841.00	830.56	816.64	799.24	778.36	756.32	730.80	705.28
165	729.64	728.48	725.00	719.20	711.08	699.48	687.88	673.96	657.72	641.48
170	632.20	632.20	629.88	626.40	621.76	617.12	611.32	603.20	595.08	586.96
175	556.80	556.80	556.80	555.64	553.32	552.16	549.84	547.52	544.04	540.56
180	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92

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

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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	145.00	150.80	151.96	147.32	132.24	106.72	73.08	35.96	5.80	4.64
95	801.56	670.48	535.92	406.00	306.24	213.44	143.84	87.00	40.60	27.84
100	878.12	740.08	600.88	480.24	381.64	295.80	212.28	139.20	88.16	59.16
105	934.96	808.52	685.56	569.56	461.68	359.60	266.80	191.40	133.40	96.28
110	1004.56	885.08	760.96	634.52	518.52	406.00	321.32	244.76	183.28	140.36
115	1050.96	928.00	802.72	678.60	562.60	455.88	366.56	292.32	229.68	184.44
120	1068.36	948.88	821.28	698.32	588.12	489.52	403.68	332.92	273.76	227.36
125	1056.76	943.08	823.60	708.76	606.68	516.20	435.00	367.72	313.20	269.12
130	1028.92	921.04	814.32	709.92	615.96	534.76	461.68	399.04	349.16	307.40
135	983.68	888.56	792.28	700.64	619.44	547.52	480.24	426.88	381.64	342.20
140	926.84	845.64	763.28	685.56	615.96	555.64	497.64	450.08	409.48	374.68
145	864.20	796.92	729.64	667.00	610.16	557.96	509.24	469.80	433.84	402.52
150	799.24	747.04	694.84	644.96	599.72	557.96	518.52	484.88	454.72	426.88
155	735.44	697.16	657.72	620.60	586.96	554.48	523.16	496.48	472.12	448.92
160	678.60	650.76	624.08	597.40	571.88	548.68	525.48	504.60	484.88	466.32
165	625.24	607.84	590.44	573.04	555.64	539.40	524.32	508.08	495.32	481.40
170	577.68	568.40	557.96	548.68	539.40	528.96	519.68	510.40	501.12	491.84
175	537.08	533.60	528.96	526.64	522.00	517.36	513.88	509.24	505.76	501.12
180	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92

Vert. 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	4.64	4.64	4.64	4.64	4.64	3.48	3.48	3.48	3.48	3.48
95	22.04	18.56	16.24	13.92	12.76	11.60	10.44	9.28	8.12	6.96
100	54.52	47.56	41.76	37.12	33.64	30.16	27.84	26.68	24.36	23.20
105	90.48	84.68	76.56	69.60	62.64	58.00	54.52	51.04	47.56	45.24
110	125.28	121.80	113.68	105.56	97.44	91.64	85.84	81.20	76.56	73.08
115	160.08	156.60	151.96	143.84	135.72	127.60	120.64	114.84	109.04	104.40
120	198.36	189.08	185.60	179.80	172.84	164.72	157.76	150.80	145.00	140.36
125	237.80	219.24	216.92	213.44	207.64	201.84	194.88	187.92	182.12	176.32
130	276.08	254.04	244.76	243.60	240.12	235.48	228.52	222.72	218.08	212.28
135	313.20	290.00	273.76	269.12	267.96	264.48	261.00	256.36	251.72	247.08

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CANDELA TABULATION - (Cont.)

140	346.84	323.64	306.24	293.48	291.16	290.00	287.68	284.20	281.88	278.40
145	378.16	356.12	338.72	324.80	314.36	310.88	310.88	309.72	307.40	305.08
150	404.84	386.28	368.88	354.96	344.52	335.24	329.44	328.28	328.28	327.12
155	429.20	411.80	396.72	385.12	373.52	364.24	357.28	350.32	345.68	343.36
160	451.24	437.32	423.40	411.80	402.52	394.40	386.28	379.32	374.68	370.04
165	468.64	457.04	446.60	437.32	429.20	422.24	415.28	409.48	403.68	399.04
170	484.88	476.76	469.80	462.84	455.88	451.24	445.44	440.80	437.32	433.84
175	497.64	494.16	490.68	487.20	483.72	480.24	477.92	474.44	472.12	470.96
180	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92	506.92

Vert. Horizontal Angles
Angles

	150	155	160	165	170	175	180
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	3.48	3.48	3.48	3.48	2.32	2.32	2.32
95	6.96	5.80	5.80	4.64	4.64	4.64	4.64
100	22.04	20.88	19.72	18.56	18.56	17.40	17.40
105	42.92	41.76	40.60	39.44	38.28	37.12	37.12
110	70.76	67.28	66.12	63.80	62.64	62.64	61.48
115	100.92	98.60	96.28	93.96	92.80	91.64	91.64
120	135.72	132.24	128.76	126.44	125.28	124.12	122.96
125	171.68	167.04	163.56	161.24	160.08	158.92	157.76
130	207.64	204.16	200.68	197.20	196.04	194.88	194.88
135	242.44	238.96	235.48	233.16	230.84	230.84	229.68
140	274.92	271.44	269.12	267.96	265.64	264.48	264.48
145	302.76	301.60	299.28	298.12	296.96	295.80	295.80
150	325.96	324.80	323.64	322.48	322.48	322.48	322.48
155	343.36	342.20	341.04	342.20	341.04	341.04	341.04
160	366.56	363.08	360.76	358.44	358.44	357.28	357.28
165	396.72	393.24	390.92	388.60	387.44	386.28	386.28
170	430.36	428.04	425.72	424.56	422.24	422.24	422.24
175	468.64	467.48	466.32	465.16	464.00	464.00	464.00
180	506.92	506.92	506.92	506.92	506.92	506.92	506.92

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	15.76	N.A.	0.50
10-90	15.76	N.A.	0.50
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	15.76	N.A.	0.50
90-110	927.74	N.A.	26.90
90-120	1511.99	N.A.	43.90
90-130	2082.45	N.A.	60.40
90-150	2967.8	N.A.	86.10
90-180	3429.4	N.A.	99.50
110-180	2501.66	N.A.	72.60
0-180	3445.16	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	15.76
90-100	380.74
100-110	547.00
110-120	584.26
120-130	570.45
130-140	498.41
140-150	386.94
150-160	263.08
160-170	149.82
170-180	48.70

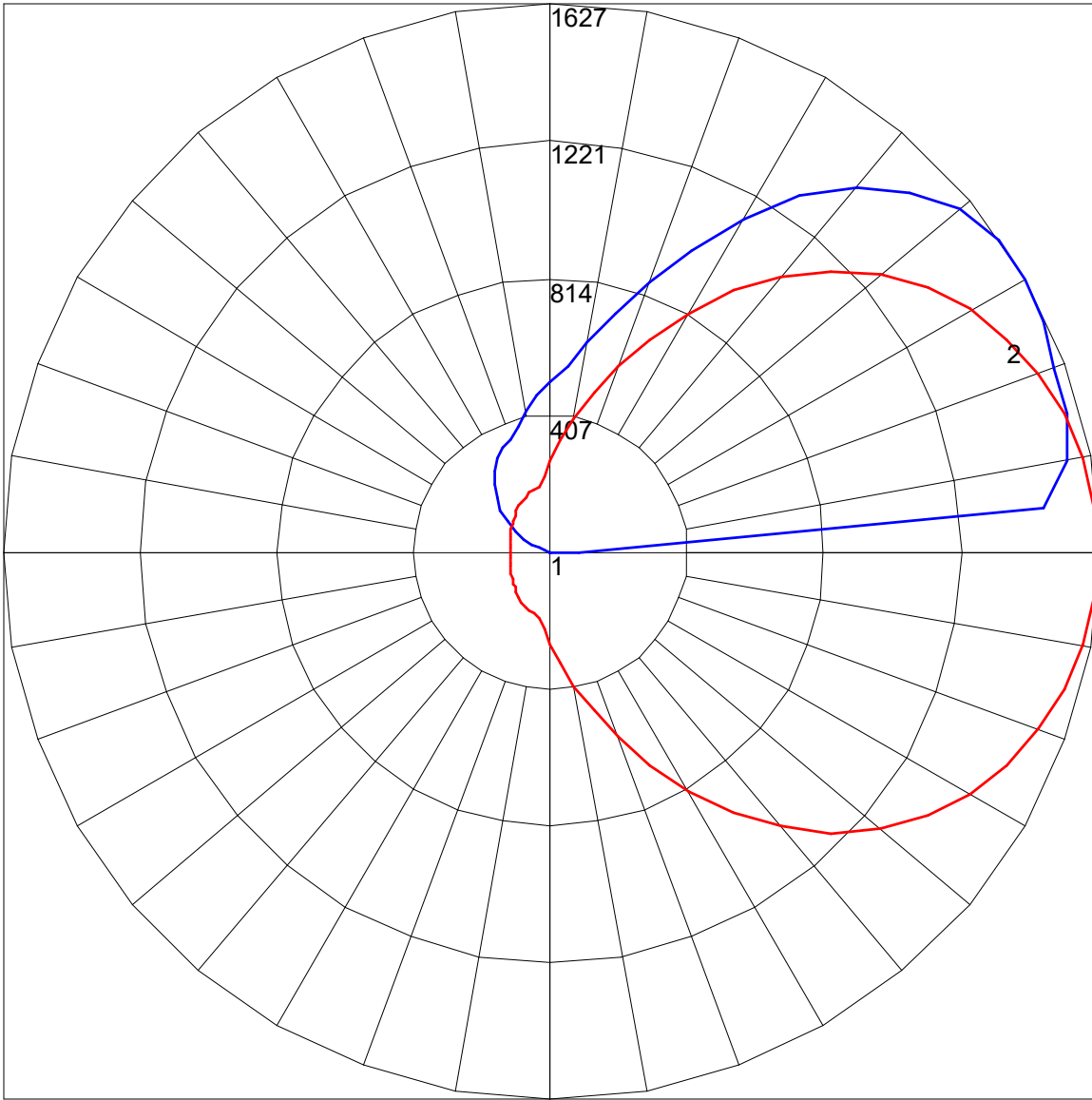
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	95	95	95	95	82	82	82	82	56	56	56	32	32	32	11	11	11	0
1	87	82	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	0
2	79	72	66	62	67	62	57	53	42	39	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	15	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	6	5	4	0
6	55	44	36	31	47	38	31	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 = 1627.48 Located At Horizontal Angle = 0, Vertical Angle = 120
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (120) (Through Max. Cd.)