

IES Report

ZipThree® | 707 | Symmetric with EdgeGlow™, up | 85° Asymmetric , down | 80 CRI | LO

707-Z3-4-48-XX-XX-X-0-Z-LO-35-U2A1-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	90	93	95	96
Total Lumens, 4' rail length (1219mm)	2753	2840	2898	2956
Lumens per foot (305mm)	688	710	724	739
Lumens per foot UP (305mm)	433	447	456	465
Lumens per foot DOWN (305mm)	255	263	269	274
Input Power (W), 4' rail length (1219mm)	30.8	30.8	30.8	30.8
Watts per foot (305mm)	7.8	7.8	7.8	7.8
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_Z3_LO_35_U2A1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L071704237 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 11/1/2017
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-48-Z-LO-35-U2A1
 [LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board,
 [MORE] symmetric w/edgeglow up/85 deg asymmetric down, low output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2890
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	30.82
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.19 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8717	8608	5348
55	7452	7568	4793
65	5653	5885	3928
75	3677	3942	2896
85	1267	1425	1639

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	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97
5	461.97	461.38	460.79	459.61	458.43	456.07	453.71	451.35	447.81	444.27
10	522.74	522.15	520.97	518.61	515.66	511.53	507.40	501.50	495.60	488.52
15	567.58	566.99	565.22	562.86	558.73	554.01	548.11	540.44	532.18	522.74
20	594.13	593.54	591.77	588.82	585.28	579.97	573.48	565.81	556.96	545.75
25	602.98	602.39	600.62	598.26	594.72	590.00	583.51	576.43	566.99	556.37
30	595.31	594.72	593.54	591.18	588.23	584.10	578.79	571.71	564.04	554.01
35	571.12	571.12	569.94	568.17	565.81	562.86	558.14	552.83	545.75	536.90
40	531.59	531.59	531.00	529.82	528.05	525.69	522.74	518.61	513.30	506.22
45	479.08	478.49	478.49	477.90	476.72	475.54	473.18	470.23	466.69	461.38
50	415.36	415.36	415.36	414.77	414.18	413.59	412.41	410.64	408.28	404.74
55	345.74	345.74	345.74	345.15	345.15	344.56	343.97	342.79	341.61	339.25
60	274.35	274.35	274.35	274.35	274.35	273.76	273.76	273.17	271.99	270.81
65	205.91	206.50	206.50	206.50	206.50	205.91	205.91	205.91	204.73	204.14
70	146.32	146.32	146.32	146.32	146.32	146.32	146.32	145.73	145.73	145.14
75	93.22	93.22	93.22	93.22	93.22	93.22	93.22	93.22	93.22	92.63
80	49.56	49.56	49.56	49.56	49.56	49.56	49.56	49.56	49.56	48.97
85	17.11	17.11	17.11	17.11	17.11	17.11	17.11	17.11	17.11	16.52
90	0.59	0.59	0.59	1.18	1.18	1.18	1.18	1.18	1.18	0.59
95	15.34	15.34	15.93	15.93	15.93	15.93	16.52	16.52	17.11	17.11
100	41.89	41.89	41.89	42.48	43.07	43.66	44.25	44.84	45.43	46.61
105	76.70	76.70	77.29	77.88	78.47	79.65	80.83	82.01	83.19	84.37
110	120.36	120.36	120.95	121.54	122.72	123.90	125.67	127.44	129.21	130.98
115	172.28	172.87	173.46	174.05	175.82	177.59	178.77	181.13	182.90	185.26
120	232.46	232.46	233.05	234.23	236.00	237.18	239.54	241.31	243.67	246.03
125	296.77	296.77	297.36	298.54	299.72	301.49	303.26	305.03	307.39	309.16
130	360.49	361.08	361.08	362.26	363.44	364.62	366.39	368.16	370.52	372.88
135	420.67	420.67	421.26	421.85	423.03	424.21	425.98	427.75	429.52	431.88
140	475.54	475.54	476.13	476.72	477.31	478.49	480.26	481.44	482.62	484.39
145	523.33	523.92	523.92	524.51	525.10	525.69	526.28	527.46	528.64	529.23
150	564.04	564.04	564.04	564.63	564.63	565.22	565.22	565.81	566.99	567.58
155	596.49	596.49	596.49	596.49	597.08	597.67	597.67	598.26	598.85	599.44
160	623.04	623.04	623.04	623.04	623.04	623.63	623.63	624.22	624.81	625.40
165	643.69	643.69	643.69	643.69	644.28	644.28	644.87	645.46	645.46	646.05
170	659.62	659.62	660.21	660.21	660.21	660.21	660.80	660.80	661.39	661.98
175	671.42	671.42	671.42	671.42	671.42	671.42	671.42	672.01	672.01	672.01
180	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73

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	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97
5	440.73	436.60	431.88	427.16	422.44	417.72	412.41	407.10	401.79	396.48
10	480.26	471.41	462.56	452.53	442.50	431.29	420.67	409.46	397.66	386.45
15	512.12	500.32	486.75	472.00	457.25	440.73	424.80	407.10	389.40	372.29
20	533.95	519.20	503.27	485.57	466.69	445.45	423.62	401.20	378.19	355.77
25	543.39	528.64	510.94	491.47	469.64	444.86	418.31	391.76	363.44	335.71
30	541.62	526.87	509.17	488.52	465.51	438.37	408.28	377.60	345.74	313.29
35	526.28	512.71	496.19	476.13	452.53	424.80	392.94	358.72	322.73	287.92
40	496.78	485.57	470.82	452.53	430.70	402.97	370.52	335.12	297.95	258.42
45	454.30	445.45	433.65	417.72	398.25	373.47	341.61	305.03	267.27	227.15
50	400.02	393.53	384.68	372.29	355.18	333.35	304.44	270.81	232.46	194.70
55	336.30	331.58	325.68	316.24	302.67	284.38	259.60	230.10	194.70	160.48
60	269.04	266.09	261.37	254.29	244.26	230.10	210.04	185.85	156.94	127.44

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_LO_35_U2A1.IES

CANDELA TABULATION - (Cont.)

65	202.96	200.60	197.65	191.75	185.85	175.23	160.48	141.60	118.00	96.17
70	143.96	142.19	139.83	136.88	131.57	123.90	113.28	99.71	83.78	67.85
75	92.04	91.45	89.68	87.32	84.37	79.65	72.57	64.31	53.69	44.25
80	48.97	48.38	47.79	46.61	45.43	42.48	39.53	34.81	29.50	24.78
85	16.52	16.52	16.52	16.52	15.93	15.34	14.16	12.39	10.62	9.44
90	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.77	2.36
95	17.70	17.70	18.29	18.29	18.88	19.47	20.06	20.06	20.65	21.83
100	47.20	47.79	48.97	49.56	50.74	51.33	51.92	52.51	53.10	54.28
105	86.14	87.32	88.50	90.27	91.45	92.04	93.22	93.81	94.99	95.58
110	132.75	135.11	136.88	138.06	139.83	141.01	142.19	142.78	143.96	145.14
115	187.62	189.98	192.34	194.11	195.88	197.06	198.24	199.42	200.60	201.78
120	248.39	250.75	253.11	254.88	256.65	258.42	259.60	261.37	263.14	264.32
125	311.52	314.47	316.24	318.60	320.37	321.55	323.32	325.09	326.86	328.04
130	374.65	377.01	378.78	380.55	382.32	383.50	385.27	387.04	389.40	390.58
135	433.65	435.42	436.60	437.78	439.55	441.32	443.09	444.86	446.63	448.99
140	485.57	486.75	487.93	489.11	490.88	492.65	494.42	496.19	497.96	500.32
145	530.41	531.59	532.18	533.95	535.13	536.90	538.67	540.44	542.21	544.57
150	568.17	569.35	570.53	571.71	572.89	574.66	575.84	577.61	579.38	581.15
155	600.03	601.21	601.80	602.98	604.16	605.34	607.11	608.88	610.06	611.83
160	625.99	627.17	627.76	628.94	630.12	631.30	632.48	633.66	634.84	636.02
165	646.64	647.23	648.41	649.00	650.18	650.77	651.95	652.54	653.72	654.90
170	661.98	662.57	663.16	663.75	664.34	664.93	666.11	666.70	667.29	667.88
175	672.60	672.60	673.19	673.19	673.78	673.78	674.37	674.37	674.96	674.96
180	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73

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	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97	402.97
5	391.76	386.45	381.14	376.42	371.70	367.57	362.85	359.31	355.77	352.82
10	374.65	363.44	352.23	342.20	331.58	322.73	314.47	306.21	299.13	292.64
15	355.77	338.07	322.14	306.80	292.05	279.07	266.68	255.47	246.03	237.77
20	333.35	310.93	290.28	270.81	252.52	236.59	223.02	210.04	199.42	189.98
25	308.57	282.02	257.24	235.41	215.35	198.24	183.49	169.92	158.71	149.86
30	282.02	251.34	224.79	201.78	179.95	162.84	148.09	135.11	124.49	115.05
35	252.52	220.66	192.93	169.33	148.09	130.98	116.82	105.02	94.99	86.73
40	222.43	190.57	162.84	139.83	119.18	103.84	90.86	80.24	71.39	64.90
45	191.75	159.30	133.34	111.51	94.40	80.24	69.03	60.18	53.69	49.56
50	160.48	130.98	105.61	87.32	72.57	61.36	52.51	46.02	41.89	38.35
55	129.80	103.84	83.19	67.26	54.87	47.79	40.71	35.99	33.04	31.27
60	101.48	80.24	63.13	51.33	41.89	35.99	31.86	28.91	26.55	25.37
65	76.11	59.59	48.38	38.35	31.86	27.73	24.78	22.42	21.24	20.06
70	54.28	42.48	34.22	28.32	23.60	20.65	18.88	17.11	15.93	15.34
75	35.40	28.32	23.01	19.47	16.52	14.16	12.98	11.80	11.21	10.62
80	20.06	16.52	13.57	11.21	10.03	8.85	7.67	7.08	7.08	6.49
85	8.26	6.49	5.90	4.72	4.13	4.13	3.54	3.54	2.95	2.95
90	2.95	3.54	4.72	5.31	6.49	7.67	8.85	10.03	11.21	12.39
95	22.42	23.60	24.78	25.96	27.14	28.32	29.50	30.68	31.86	33.04
100	54.87	56.05	56.64	57.82	59.00	59.59	60.77	61.36	62.54	63.13
105	96.17	97.35	97.94	98.53	99.71	100.30	100.89	101.48	102.07	102.66
110	145.73	146.32	146.91	147.50	148.09	148.68	149.27	149.86	149.86	150.45
115	202.96	203.55	203.55	204.14	204.14	204.73	204.73	205.32	205.32	205.91
120	265.50	265.50	266.09	266.09	266.09	266.68	266.68	267.27	267.27	267.27
125	329.22	330.40	330.40	330.40	330.99	330.99	330.99	331.58	331.58	331.58
130	392.35	393.53	394.12	394.12	394.71	394.71	394.71	395.30	395.30	395.30
135	450.17	451.94	452.53	453.12	453.71	453.71	453.71	453.71	453.71	453.71

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_LO_35_U2A1.IES

CANDELA TABULATION - (Cont.)

140	501.50	503.27	504.45	505.04	505.63	505.63	506.22	506.22	506.22	506.22
145	545.75	547.52	548.70	549.29	549.88	550.47	551.06	551.65	551.65	551.65
150	582.92	584.69	585.87	586.46	587.64	588.23	588.82	589.41	589.41	590.00
155	613.60	614.78	615.96	617.14	617.73	618.91	618.91	620.09	620.09	620.68
160	637.79	638.38	639.56	640.74	641.92	642.51	643.10	643.69	644.28	644.87
165	656.08	656.67	657.85	658.44	659.62	660.21	660.80	661.39	661.98	661.98
170	668.47	669.06	669.65	670.24	670.83	671.42	672.01	672.60	672.60	673.19
175	675.55	675.55	676.14	676.14	676.73	676.73	677.32	677.32	677.91	677.91
180	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73	676.73

Vert. Horizontal Angles

	150	155	160	165	170	175	180
0	402.97	402.97	402.97	402.97	402.97	402.97	402.97
5	349.87	347.51	345.15	343.97	342.79	342.20	341.61
10	287.33	282.61	278.48	275.53	273.76	271.99	271.99
15	230.69	224.79	219.48	215.94	212.99	211.81	211.22
20	182.31	175.82	170.51	166.97	164.02	162.25	161.66
25	141.60	135.70	130.39	126.26	123.90	122.13	121.54
30	107.97	102.07	97.35	93.81	90.86	89.68	89.09
35	80.24	74.93	70.80	67.85	66.08	64.90	64.31
40	59.59	55.46	52.51	50.74	49.56	48.97	48.38
45	45.43	43.07	41.30	40.12	38.94	38.35	38.35
50	35.99	34.81	33.63	32.45	31.86	31.86	31.86
55	29.50	28.32	27.73	27.14	27.14	26.55	26.55
60	24.19	23.60	23.01	22.42	22.42	21.83	21.83
65	19.47	18.88	18.29	17.70	17.70	17.70	17.70
70	14.75	14.16	13.57	13.57	13.57	12.98	12.98
75	10.03	10.03	9.44	9.44	9.44	9.44	8.85
80	6.49	5.90	5.90	5.90	5.90	5.31	5.31
85	2.95	2.95	2.95	2.95	2.95	2.36	2.36
90	12.98	14.16	14.75	15.34	15.93	16.52	16.52
95	33.63	34.81	35.40	35.99	36.58	36.58	36.58
100	64.31	64.90	64.90	65.49	66.08	66.08	66.08
105	103.25	103.25	103.84	103.84	103.84	103.84	103.84
110	150.45	150.45	150.45	150.45	150.45	150.45	150.45
115	205.91	205.91	205.91	205.91	205.32	205.32	205.32
120	267.27	267.27	267.27	267.27	267.27	267.27	267.27
125	331.58	331.58	331.58	331.58	331.58	331.58	331.58
130	395.30	395.30	395.30	395.30	395.30	395.30	395.30
135	453.71	454.30	454.30	454.30	454.30	454.30	454.30
140	506.22	506.22	506.81	506.81	506.81	506.81	506.81
145	551.65	552.24	552.24	552.24	552.24	552.24	552.24
150	590.00	590.59	590.59	590.59	590.59	591.18	590.59
155	621.27	621.27	621.86	621.86	621.86	621.86	621.86
160	645.46	645.46	645.46	646.05	646.05	646.05	646.05
165	662.57	662.57	663.16	663.16	663.16	663.16	663.75
170	673.19	673.78	673.78	674.37	674.37	674.37	674.37
175	677.91	677.91	677.91	677.91	678.50	678.50	678.50
180	676.73	676.73	676.73	676.73	676.73	676.73	676.73

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_LO_35_U2A1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	148.13	N.A.	5.10
0-30	315.33	N.A.	10.90
0-40	515.65	N.A.	17.80
0-60	886.50	N.A.	30.70
0-80	1057.23	N.A.	36.60
0-90	1072.06	N.A.	37.10
10-90	1033.85	N.A.	35.80
20-40	367.52	N.A.	12.70
20-50	569.16	N.A.	19.70
40-70	484.91	N.A.	16.80
60-80	170.74	N.A.	5.90
70-80	56.67	N.A.	2.00
80-90	14.83	N.A.	0.50
90-110	129.21	N.A.	4.50
90-120	323.87	N.A.	11.20
90-130	610.33	N.A.	21.10
90-150	1288.25	N.A.	44.60
90-180	1817.81	N.A.	62.90
110-180	1688.6	N.A.	58.40
0-180	2889.87	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.21
10-20	109.92
20-30	167.20
30-40	200.32
40-50	201.64
50-60	169.21
60-70	114.07
70-80	56.67
80-90	14.83
90-100	29.07
100-110	100.13
110-120	194.67
120-130	286.46
130-140	340.48
140-150	337.44
150-160	280.87
160-170	184.53
170-180	64.16

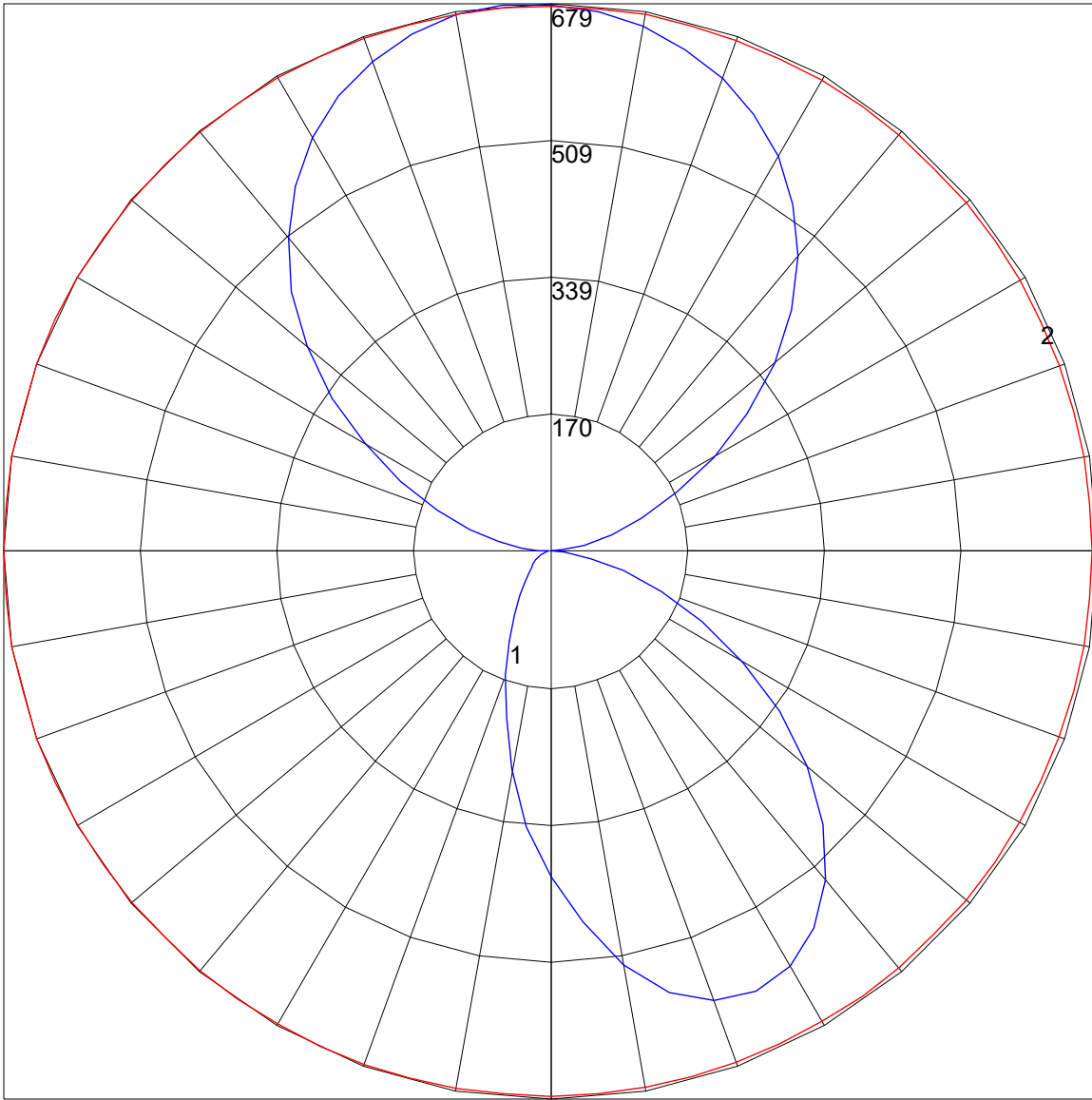
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_LO_35_U2A1.IES

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	79	77	67	65	63	53	51	50	39	38	38	32
2	87	79	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	57	71	64	57	53	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12
9	48	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	13	12	10

POLAR GRAPH



Maximum Candela = 678.5 Located At Horizontal Angle = 170, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (170 - 350) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)