

**IES Report**

**ZipWave® | 707 | Clear with EdgeSoft™, fixture in cove | 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	68	70	71	71
Total Lumens, 4' rail length (1219mm)	1771	1827	1864	1864
Lumens per foot (305mm)	443	457	466	466
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\_IN COVE.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911562 (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, 48", Armstrong wall cove part no. AXIDLWKE48, 3500K, 80 CRI, zipper board,

[MORE] clear lens w/edgesoft, 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	1864
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	26.39
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	1.92
Spacing Criterion (Diagonal)	3.06
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	148	2069	7683
55	273	2641	10018
65	494	3337	13967
75	807	3835	22202
85	1798	5994	43154

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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>
<b>0.0</b>	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48
<b>5.0</b>	64.96	64.96	64.96	64.96	64.96	66.12	67.28	67.28	68.44	70.76
<b>10.0</b>	48.72	48.72	49.88	49.88	49.88	51.04	52.20	54.52	56.84	59.16
<b>15.0</b>	35.96	37.12	37.12	37.12	38.28	39.44	42.92	45.24	48.72	52.20
<b>20.0</b>	26.68	26.68	26.68	27.84	29.00	31.32	34.80	38.28	41.76	46.40
<b>25.0</b>	18.56	18.56	19.72	20.88	22.04	25.52	31.32	32.48	37.12	41.76
<b>30.0</b>	12.76	12.76	12.76	15.08	17.40	20.88	23.20	31.32	33.64	38.28
<b>35.0</b>	4.64	5.80	6.96	10.44	13.92	17.40	19.72	26.68	33.64	37.12
<b>37.5</b>	2.32	2.32	2.32	4.64	6.96	12.76	18.56	23.20	32.48	35.96
<b>40.0</b>	2.32	2.32	2.32	4.64	6.96	10.44	13.92	18.56	30.16	34.80
<b>42.5</b>	2.32	2.32	2.32	4.64	8.12	10.44	13.92	18.56	22.04	35.96
<b>45.0</b>	2.32	2.32	3.48	5.80	8.12	11.60	15.08	18.56	22.04	32.48
<b>47.5</b>	2.32	2.32	3.48	5.80	8.12	11.60	15.08	19.72	22.04	32.48
<b>50.0</b>	2.32	2.32	3.48	5.80	9.28	12.76	16.24	19.72	23.20	32.48
<b>52.5</b>	3.48	3.48	4.64	6.96	9.28	12.76	16.24	20.88	24.36	32.48
<b>55.0</b>	3.48	3.48	4.64	6.96	10.44	12.76	16.24	20.88	24.36	33.64
<b>57.5</b>	4.64	4.64	4.64	6.96	10.44	12.76	17.40	20.88	24.36	33.64
<b>60.0</b>	4.64	4.64	5.80	6.96	10.44	12.76	16.24	20.88	24.36	33.64
<b>62.5</b>	4.64	4.64	5.80	6.96	10.44	12.76	16.24	20.88	23.20	32.48
<b>65.0</b>	4.64	4.64	5.80	6.96	9.28	12.76	15.08	19.72	22.04	31.32
<b>67.5</b>	4.64	4.64	5.80	6.96	9.28	11.60	15.08	18.56	20.88	29.00
<b>70.0</b>	4.64	4.64	5.80	6.96	9.28	11.60	13.92	17.40	20.88	24.36
<b>72.5</b>	4.64	4.64	5.80	6.96	8.12	10.44	12.76	16.24	19.72	22.04
<b>75.0</b>	4.64	4.64	5.80	6.96	8.12	10.44	12.76	15.08	18.56	22.04
<b>77.5</b>	4.64	4.64	4.64	5.80	8.12	9.28	11.60	13.92	16.24	19.72
<b>80.0</b>	4.64	4.64	4.64	5.80	6.96	8.12	10.44	11.60	13.92	17.40
<b>85.0</b>	3.48	3.48	4.64	4.64	5.80	6.96	8.12	9.28	10.44	11.60
<b>90.0</b>	3.48	3.48	3.48	4.64	4.64	4.64	5.80	6.96	6.96	8.12
<b>95.0</b>	3.48	3.48	4.64	4.64	4.64	5.80	6.96	6.96	8.12	9.28
<b>100.0</b>	3.48	3.48	4.64	4.64	5.80	6.96	8.12	9.28	10.44	11.60
<b>105.0</b>	3.48	3.48	4.64	4.64	5.80	6.96	9.28	11.60	13.92	16.24
<b>110.0</b>	3.48	3.48	3.48	5.80	6.96	9.28	10.44	13.92	17.40	18.56
<b>115.0</b>	3.48	3.48	3.48	5.80	8.12	10.44	13.92	17.40	19.72	25.52
<b>120.0</b>	3.48	3.48	3.48	5.80	9.28	12.76	16.24	19.72	26.68	31.32
<b>125.0</b>	2.32	2.32	3.48	6.96	10.44	15.08	17.40	25.52	32.48	39.44
<b>130.0</b>	2.32	2.32	4.64	8.12	11.60	15.08	23.20	31.32	39.44	45.24
<b>135.0</b>	2.32	2.32	4.64	8.12	13.92	17.40	27.84	35.96	42.92	46.40
<b>140.0</b>	2.32	2.32	4.64	8.12	11.60	20.88	27.84	37.12	40.60	45.24
<b>145.0</b>	2.32	2.32	3.48	6.96	11.60	16.24	24.36	30.16	38.28	41.76
<b>150.0</b>	2.32	2.32	2.32	4.64	8.12	13.92	18.56	25.52	31.32	37.12
<b>155.0</b>	2.32	2.32	2.32	3.48	5.80	9.28	13.92	17.40	23.20	27.84
<b>160.0</b>	2.32	2.32	2.32	2.32	4.64	5.80	8.12	12.76	16.24	19.72
<b>165.0</b>	2.32	2.32	2.32	2.32	2.32	2.32	4.64	5.80	8.12	10.44
<b>170.0</b>	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	3.48
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	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>
<b>0.0</b>	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48
<b>5.0</b>	71.92	73.08	75.40	77.72	80.04	82.36	84.68	87.00	89.32	92.80
<b>10.0</b>	62.64	64.96	68.44	71.92	76.56	80.04	84.68	89.32	93.96	98.60
<b>15.0</b>	55.68	60.32	63.80	68.44	74.24	78.88	84.68	91.64	97.44	104.40

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**CANDELA TABULATION - (Cont.)**

<b>20.0</b>	51.04	55.68	60.32	66.12	71.92	78.88	85.84	93.96	102.08	110.20
<b>25.0</b>	46.40	52.20	58.00	64.96	71.92	78.88	87.00	96.28	105.56	117.16
<b>30.0</b>	44.08	49.88	56.84	63.80	71.92	80.04	89.32	98.60	110.20	122.96
<b>35.0</b>	42.92	48.72	55.68	63.80	71.92	80.04	90.48	100.92	112.52	127.60
<b>37.5</b>	41.76	48.72	55.68	63.80	71.92	81.20	90.48	102.08	114.84	129.92
<b>40.0</b>	40.60	47.56	55.68	63.80	71.92	81.20	91.64	103.24	117.16	133.40
<b>42.5</b>	40.60	47.56	54.52	63.80	73.08	82.36	92.80	105.56	119.48	136.88
<b>45.0</b>	39.44	47.56	54.52	63.80	73.08	82.36	93.96	106.72	120.64	139.20
<b>47.5</b>	35.96	46.40	55.68	63.80	73.08	83.52	95.12	107.88	122.96	142.68
<b>50.0</b>	35.96	44.08	54.52	63.80	73.08	84.68	96.28	109.04	124.12	145.00
<b>52.5</b>	37.12	42.92	53.36	63.80	74.24	84.68	96.28	110.20	125.28	147.32
<b>55.0</b>	37.12	44.08	52.20	63.80	74.24	85.84	97.44	111.36	127.60	149.64
<b>57.5</b>	37.12	44.08	51.04	61.48	74.24	84.68	98.60	112.52	128.76	151.96
<b>60.0</b>	37.12	44.08	51.04	60.32	73.08	84.68	98.60	112.52	129.92	154.28
<b>62.5</b>	35.96	42.92	51.04	59.16	70.76	84.68	98.60	113.68	129.92	155.44
<b>65.0</b>	34.80	41.76	49.88	58.00	68.44	82.36	97.44	113.68	131.08	157.76
<b>67.5</b>	32.48	39.44	47.56	56.84	66.12	80.04	96.28	113.68	131.08	158.92
<b>70.0</b>	33.64	37.12	44.08	53.36	63.80	76.56	93.96	112.52	129.92	160.08
<b>72.5</b>	30.16	33.64	40.60	49.88	60.32	73.08	89.32	110.20	128.76	161.24
<b>75.0</b>	24.36	33.64	37.12	45.24	54.52	67.28	84.68	107.88	127.60	162.40
<b>77.5</b>	22.04	29.00	32.48	39.44	48.72	60.32	77.72	102.08	125.28	162.40
<b>80.0</b>	19.72	23.20	30.16	33.64	40.60	51.04	68.44	95.12	119.48	156.60
<b>85.0</b>	13.92	16.24	18.56	22.04	24.36	37.12	41.76	61.48	83.52	105.56
<b>90.0</b>	8.12	9.28	10.44	11.60	12.76	12.76	12.76	13.92	18.56	48.72
<b>95.0</b>	10.44	11.60	12.76	15.08	18.56	20.88	33.64	61.48	70.76	96.28
<b>100.0</b>	13.92	16.24	18.56	24.36	31.32	48.72	62.64	81.20	89.32	102.08
<b>105.0</b>	17.40	22.04	27.84	37.12	53.36	66.12	82.36	91.64	97.44	99.76
<b>110.0</b>	24.36	30.16	38.28	54.52	68.44	81.20	91.64	100.92	105.56	104.40
<b>115.0</b>	30.16	39.44	54.52	67.28	78.88	90.48	98.60	105.56	109.04	109.04
<b>120.0</b>	39.44	53.36	63.80	75.40	85.84	93.96	100.92	106.72	110.20	110.20
<b>125.0</b>	51.04	59.16	68.44	77.72	85.84	92.80	98.60	104.40	107.88	107.88
<b>130.0</b>	52.20	60.32	68.44	75.40	82.36	88.16	92.80	98.60	100.92	102.08
<b>135.0</b>	52.20	56.84	63.80	70.76	75.40	81.20	84.68	88.16	91.64	93.96
<b>140.0</b>	49.88	55.68	59.16	63.80	68.44	70.76	75.40	78.88	80.04	82.36
<b>145.0</b>	46.40	51.04	53.36	56.84	60.32	62.64	64.96	66.12	68.44	69.60
<b>150.0</b>	40.60	44.08	46.40	49.88	52.20	53.36	54.52	55.68	56.84	56.84
<b>155.0</b>	32.48	37.12	39.44	40.60	41.76	44.08	45.24	45.24	44.08	42.92
<b>160.0</b>	22.04	25.52	27.84	30.16	32.48	32.48	32.48	31.32	31.32	30.16
<b>165.0</b>	11.60	15.08	17.40	19.72	20.88	20.88	20.88	20.88	19.72	18.56
<b>170.0</b>	3.48	4.64	5.80	6.96	8.12	8.12	8.12	8.12	6.96	5.80
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Horizontal Angles**  
**Angles**

	<b>100</b>	<b>105</b>	<b>110</b>	<b>115</b>	<b>120</b>	<b>125</b>	<b>130</b>	<b>135</b>	<b>140</b>	<b>145</b>
<b>0.0</b>	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48	90.48
<b>5.0</b>	95.12	97.44	99.76	103.24	105.56	109.04	111.36	113.68	116.00	118.32
<b>10.0</b>	103.24	107.88	112.52	118.32	122.96	128.76	133.40	138.04	142.68	147.32
<b>15.0</b>	111.36	119.48	126.44	135.72	143.84	151.96	161.24	169.36	178.64	185.60
<b>20.0</b>	120.64	131.08	141.52	154.28	167.04	180.96	193.72	208.80	222.72	236.64
<b>25.0</b>	129.92	143.84	158.92	175.16	193.72	213.44	226.20	257.52	281.88	308.56
<b>30.0</b>	138.04	156.60	176.32	199.52	225.04	242.44	291.16	327.12	367.72	401.36
<b>35.0</b>	145.00	165.88	189.08	216.92	235.48	292.32	335.24	382.80	423.40	460.52
<b>37.5</b>	149.64	171.68	199.52	220.40	271.44	321.32	373.52	421.08	464.00	502.28
<b>40.0</b>	154.28	179.80	209.96	234.32	298.12	354.96	407.16	457.04	502.28	541.72

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**CANDELA TABULATION - (Cont.)**

<b>42.5</b>	158.92	186.76	209.96	266.80	325.96	386.28	440.80	493.00	539.40	580.00
<b>45.0</b>	162.40	192.56	218.08	284.20	349.16	409.48	466.32	518.52	566.08	605.52
<b>47.5</b>	168.20	201.84	230.84	308.56	375.84	438.48	496.48	549.84	596.24	632.20
<b>50.0</b>	172.84	209.96	244.76	334.08	401.36	465.16	524.32	575.36	618.28	653.08
<b>52.5</b>	177.48	205.32	281.88	354.96	424.56	489.52	546.36	593.92	632.20	661.20
<b>55.0</b>	182.12	213.44	301.60	375.84	446.60	509.24	562.60	605.52	636.84	661.20
<b>57.5</b>	187.92	223.88	320.16	393.24	464.00	523.16	570.72	605.52	633.36	657.72
<b>60.0</b>	191.40	232.00	332.92	406.00	473.28	527.80	569.56	600.88	628.72	651.92
<b>62.5</b>	197.20	243.60	346.84	418.76	481.40	527.80	562.60	593.92	620.60	643.80
<b>65.0</b>	190.24	284.20	359.60	426.88	476.76	515.04	549.84	577.68	603.20	624.08
<b>67.5</b>	196.04	294.64	365.40	423.40	466.32	503.44	535.92	563.76	586.96	606.68
<b>70.0</b>	200.68	299.28	363.08	410.64	452.40	488.36	518.52	545.20	566.08	583.48
<b>72.5</b>	204.16	298.12	350.32	395.56	436.16	468.64	497.64	520.84	540.56	555.64
<b>75.0</b>	204.16	287.68	334.08	377.00	415.28	446.60	470.96	491.84	508.08	523.16
<b>77.5</b>	198.36	267.96	313.20	353.80	388.60	416.44	438.48	458.20	474.44	489.52
<b>80.0</b>	200.68	228.52	288.84	325.96	357.28	381.64	403.68	423.40	439.64	454.72
<b>85.0</b>	139.20	182.12	220.40	237.80	283.04	306.24	327.12	346.84	364.24	379.32
<b>90.0</b>	70.76	109.04	143.84	174.00	200.68	223.88	234.32	263.32	279.56	294.64
<b>95.0</b>	118.32	135.72	160.08	186.76	208.80	226.20	237.80	261.00	276.08	290.00
<b>100.0</b>	124.12	134.56	145.00	155.44	162.40	168.20	229.68	254.04	309.72	324.80
<b>105.0</b>	126.44	132.24	136.88	142.68	147.32	151.96	156.60	158.92	160.08	161.24
<b>110.0</b>	131.08	134.56	134.56	134.56	135.72	136.88	136.88	136.88	135.72	133.40
<b>115.0</b>	132.24	134.56	133.40	129.92	126.44	124.12	121.80	118.32	114.84	110.20
<b>120.0</b>	122.96	133.40	131.08	126.44	119.48	114.84	107.88	102.08	97.44	91.64
<b>125.0</b>	112.52	127.60	125.28	120.64	114.84	106.72	98.60	89.32	82.36	75.40
<b>130.0</b>	102.08	118.32	117.16	112.52	105.56	99.76	91.64	82.36	71.92	62.64
<b>135.0</b>	91.64	100.92	105.56	102.08	96.28	89.32	82.36	74.24	64.96	55.68
<b>140.0</b>	82.36	84.68	92.80	90.48	84.68	78.88	71.92	64.96	56.84	51.04
<b>145.0</b>	69.60	68.44	71.92	75.40	71.92	67.28	61.48	54.52	51.04	40.60
<b>150.0</b>	55.68	53.36	53.36	53.36	58.00	54.52	49.88	46.40	38.28	32.48
<b>155.0</b>	41.76	40.60	38.28	37.12	35.96	41.76	38.28	33.64	29.00	24.36
<b>160.0</b>	29.00	26.68	24.36	23.20	20.88	20.88	19.72	20.88	18.56	15.08
<b>165.0</b>	16.24	13.92	12.76	10.44	8.12	8.12	5.80	4.64	4.64	4.64
<b>170.0</b>	5.80	4.64	4.64	4.64	3.48	3.48	3.48	3.48	3.48	3.48
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. Angles**      **Horizontal Angles**

	<b>150</b>	<b>155</b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>	<b>180</b>
<b>0.0</b>	90.48	90.48	90.48	90.48	90.48	90.48	90.48
<b>5.0</b>	120.64	122.96	124.12	125.28	126.44	126.44	126.44
<b>10.0</b>	151.96	155.44	158.92	161.24	163.56	164.72	164.72
<b>15.0</b>	192.56	199.52	205.32	209.96	213.44	215.76	216.92
<b>20.0</b>	243.60	261.00	271.44	280.72	287.68	292.32	293.48
<b>25.0</b>	331.76	354.96	373.52	388.60	399.04	406.00	407.16
<b>30.0</b>	430.36	455.88	476.76	493.00	504.60	511.56	513.88
<b>35.0</b>	491.84	519.68	541.72	559.12	571.88	578.84	581.16
<b>37.5</b>	534.76	563.76	586.96	605.52	617.12	625.24	627.56
<b>40.0</b>	576.52	604.36	627.56	646.12	657.72	664.68	667.00
<b>42.5</b>	613.64	642.64	664.68	680.92	691.36	698.32	699.48
<b>45.0</b>	638.00	664.68	686.72	701.80	712.24	719.20	720.36
<b>47.5</b>	663.52	689.04	706.44	721.52	728.48	733.12	734.28
<b>50.0</b>	679.76	699.48	713.40	725.00	733.12	737.76	738.92
<b>52.5</b>	683.24	701.80	715.72	726.16	734.28	737.76	738.92
<b>55.0</b>	682.08	700.64	714.56	723.84	730.80	735.44	736.60

**IES INDOOR REPORT**

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**CANDELA TABULATION - (Cont.)**

<b>57.5</b>	677.44	694.84	707.60	718.04	725.00	728.48	728.48
<b>60.0</b>	671.64	687.88	700.64	709.92	716.88	721.52	722.68
<b>62.5</b>	661.20	676.28	687.88	697.16	702.96	707.60	707.60
<b>65.0</b>	641.48	655.40	665.84	675.12	679.76	683.24	684.40
<b>67.5</b>	622.92	634.52	644.96	651.92	657.72	661.20	661.20
<b>70.0</b>	597.40	610.16	618.28	625.24	628.72	632.20	633.36
<b>72.5</b>	568.40	578.84	588.12	593.92	598.56	602.04	603.20
<b>75.0</b>	535.92	546.36	555.64	562.60	567.24	570.72	571.88
<b>77.5</b>	502.28	512.72	522.00	530.12	534.76	538.24	539.40
<b>80.0</b>	467.48	477.92	487.20	494.16	499.96	502.28	504.60
<b>85.0</b>	392.08	403.68	412.96	419.92	424.56	428.04	428.04
<b>90.0</b>	307.40	317.84	325.96	332.92	337.56	341.04	342.20
<b>95.0</b>	301.60	312.04	321.32	328.28	332.92	336.40	337.56
<b>100.0</b>	335.24	342.20	350.32	353.80	358.44	360.76	359.60
<b>105.0</b>	161.24	164.72	170.52	247.08	300.44	356.12	368.88
<b>110.0</b>	131.08	126.44	120.64	116.00	112.52	110.20	109.04
<b>115.0</b>	106.72	100.92	95.12	88.16	81.20	77.72	76.56
<b>120.0</b>	85.84	80.04	71.92	62.64	56.84	53.36	52.20
<b>125.0</b>	68.44	60.32	52.20	44.08	38.28	33.64	32.48
<b>130.0</b>	53.36	47.56	34.80	26.68	22.04	16.24	17.40
<b>135.0</b>	48.72	34.80	25.52	16.24	6.96	5.80	4.64
<b>140.0</b>	39.44	30.16	20.88	10.44	9.28	4.64	3.48
<b>145.0</b>	33.64	25.52	16.24	9.28	8.12	4.64	3.48
<b>150.0</b>	25.52	19.72	11.60	10.44	6.96	3.48	3.48
<b>155.0</b>	18.56	12.76	11.60	8.12	5.80	3.48	3.48
<b>160.0</b>	11.60	10.44	9.28	6.96	4.64	3.48	3.48
<b>165.0</b>	6.96	6.96	5.80	4.64	3.48	3.48	3.48
<b>170.0</b>	3.48	3.48	3.48	3.48	3.48	3.48	3.48
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**

PHOTOMETRIC FILENAME : VODE\_707\_Z9\_AW\_SO\_35\_C1\_IN COVE.IES

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	41.32	N.A.	2.20
0-30	114.10	N.A.	6.10
0-40	244.56	N.A.	13.10
0-60	693.62	N.A.	37.20
0-80	1214.62	N.A.	65.20
0-90	1394.05	N.A.	74.80
10-90	1385.00	N.A.	74.30
20-40	203.24	N.A.	10.90
20-50	401.12	N.A.	21.50
40-70	721.08	N.A.	38.70
60-80	521.00	N.A.	27.90
70-80	248.98	N.A.	13.40
80-90	179.42	N.A.	9.60
90-110	251.39	N.A.	13.50
90-120	326.71	N.A.	17.50
90-130	385.84	N.A.	20.70
90-150	454.56	N.A.	24.40
90-180	470.04	N.A.	25.20
110-180	218.66	N.A.	11.70
0-180	1864.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	9.05
10-20	32.27
20-30	72.78
30-40	130.46
40-50	197.88
50-60	251.18
60-70	272.03
70-80	248.98
80-90	179.42
90-100	139.40
100-110	111.98
110-120	75.32
120-130	59.14
130-140	42.38
140-150	26.34
150-160	12.24
160-170	3.09
170-180	0.15

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z9\_AW\_SO\_35\_C1\_IN COVE.IES**

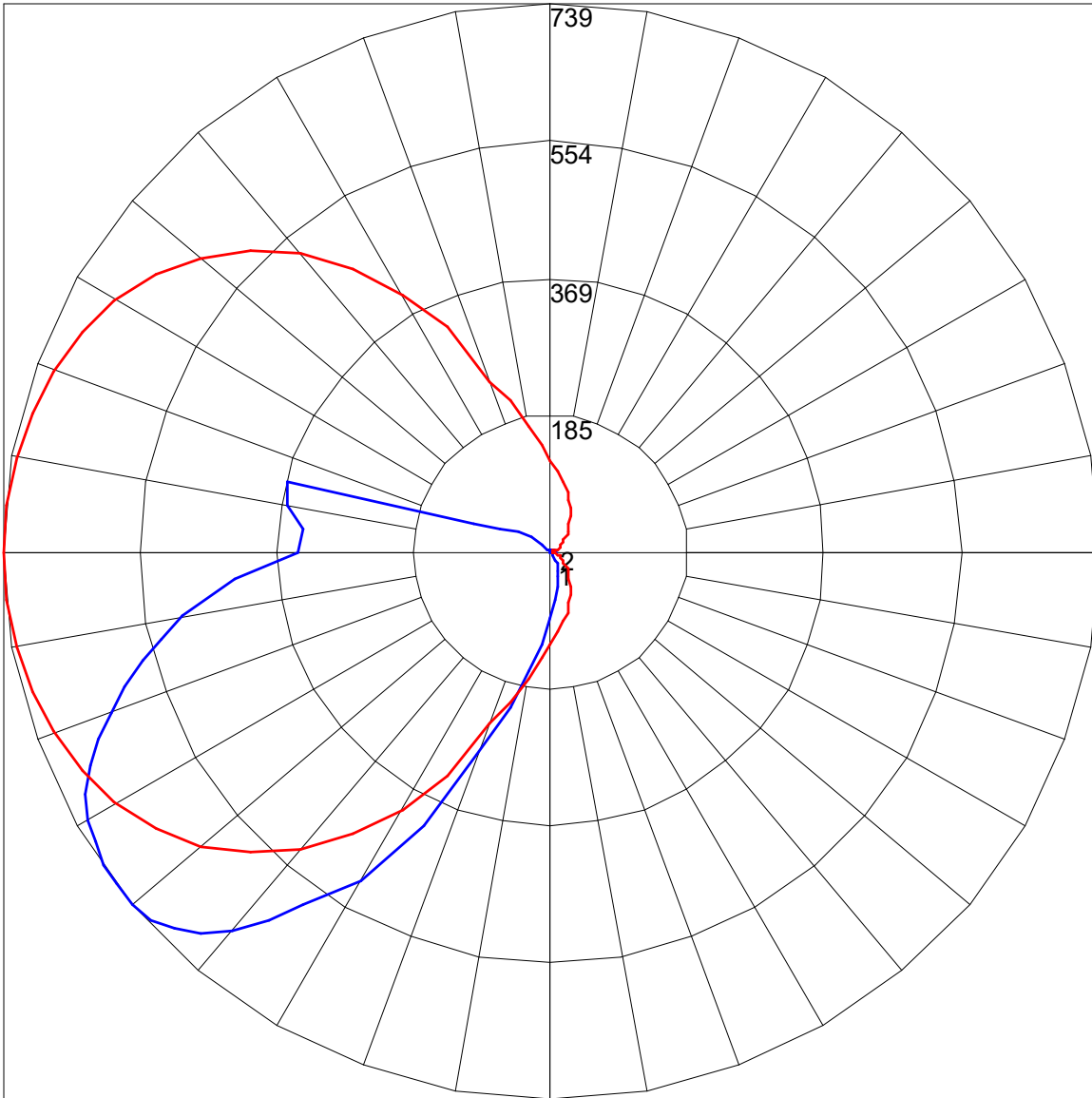
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	98	91	85	79	92	86	80	75	77	72	68	69	65	62	61	58	55	51
2	86	75	67	59	81	71	63	56	63	57	51	56	51	46	49	45	41	38
3	77	64	54	46	72	60	51	44	53	46	40	47	41	36	41	36	32	28
4	69	55	44	36	65	52	42	35	46	38	32	40	34	28	35	30	25	22
5	63	48	37	30	59	45	36	28	40	32	26	35	28	23	31	25	21	18
6	57	42	32	25	53	40	30	24	35	27	21	31	24	19	27	22	17	14
7	53	38	28	21	49	35	26	20	32	24	18	28	21	16	24	19	14	12
8	48	34	24	18	45	32	23	17	28	21	16	25	19	14	22	17	12	10
9	45	30	22	16	42	29	21	15	26	19	13	23	17	12	20	15	11	8
10	42	28	19	14	39	26	18	13	24	17	12	21	15	11	18	13	9	7



POLAR GRAPH



Maximum Candela = 738.92 Located At Horizontal Angle = 180, Vertical Angle = 50  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)