

**IES Report**

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 80 CRI | SO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	123	127	129	132
Total Lumens, 4' rail length (1219mm)	6403	6605	6740	6874
Lumens per foot (305mm)	1601	1651	1685	1719
Lumens per foot UP (305mm)	3505	3616	3690	3764
Lumens per foot DOWN (305mm)	2897	2989	3050	3111
Input Power (W), 4' rail length (1219mm)	52.4	52.4	52.4	52.4
Watts per foot (305mm)	13.1	13.1	13.1	13.1
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](http://vode.com).



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707-Z3-CC-SO-35-U2D2-AL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L081800702 (SOURCE REPORT FOR REFERENCE)  
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCRDITED LAB  
 [ISSUEDATE] 8/15/2018  
 [MANUFAC] Vode Lighting  
 [LUMCAT] 707-Z3-CC-Z-SO-35-U2D2-AL  
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
 [MORE] symmetric lens with edgeglow up/soft diffuse lens down, 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	6740
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	51.37
Ballast Factor	1.00
CIE Type	General Diffuse
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)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.02 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9932	10068	10567
55	9291	9474	10128
65	8390	8602	9462
75	7015	7204	8233
85	4262	4497	6228

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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</b>	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56
<b>5</b>	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92
<b>10</b>	1044.00	1044.00	1044.00	1044.00	1044.00	1044.00	1044.00	1044.00	1044.00	1044.00
<b>15</b>	1019.64	1019.64	1019.64	1019.64	1019.64	1019.64	1019.64	1019.64	1019.64	1019.64
<b>20</b>	987.16	987.16	987.16	987.16	987.16	986.00	986.00	986.00	986.00	986.00
<b>25</b>	945.40	945.40	945.40	945.40	945.40	945.40	944.24	944.24	944.24	943.08
<b>30</b>	895.52	895.52	895.52	895.52	895.52	894.36	894.36	894.36	893.20	893.20
<b>35</b>	838.68	838.68	838.68	838.68	837.52	837.52	837.52	836.36	836.36	835.20
<b>40</b>	774.88	774.88	774.88	774.88	773.72	773.72	773.72	772.56	772.56	771.40
<b>45</b>	705.28	705.28	705.28	705.28	704.12	704.12	702.96	702.96	701.80	701.80
<b>50</b>	631.04	631.04	631.04	629.88	629.88	628.72	628.72	627.56	627.56	626.40
<b>55</b>	552.16	552.16	552.16	552.16	551.00	551.00	549.84	549.84	548.68	548.68
<b>60</b>	469.80	469.80	469.80	469.80	469.80	468.64	468.64	467.48	466.32	466.32
<b>65</b>	386.28	386.28	386.28	386.28	385.12	385.12	383.96	382.80	382.80	381.64
<b>70</b>	302.76	302.76	301.60	301.60	301.60	300.44	299.28	298.12	296.96	296.96
<b>75</b>	219.24	219.24	219.24	218.08	218.08	216.92	215.76	214.60	213.44	212.28
<b>80</b>	139.20	139.20	139.20	138.04	138.04	136.88	136.88	135.72	134.56	133.40
<b>85</b>	66.12	66.12	66.12	64.96	64.96	64.96	63.80	63.80	62.64	61.48
<b>90</b>	16.24	16.24	16.24	16.24	15.08	13.92	12.76	11.60	10.44	9.28
<b>95</b>	47.56	47.56	47.56	47.56	46.40	46.40	45.24	45.24	44.08	42.92
<b>100</b>	97.44	97.44	97.44	97.44	98.60	98.60	98.60	98.60	99.76	99.76
<b>105</b>	162.40	162.40	163.56	163.56	164.72	167.04	168.20	169.36	171.68	174.00
<b>110</b>	245.92	247.08	247.08	249.40	250.56	254.04	256.36	259.84	262.16	265.64
<b>115</b>	350.32	350.32	351.48	353.80	356.12	359.60	364.24	367.72	372.36	377.00
<b>120</b>	473.28	473.28	474.44	476.76	480.24	483.72	488.36	493.00	497.64	502.28
<b>125</b>	609.00	609.00	611.32	613.64	615.96	619.44	624.08	628.72	634.52	639.16
<b>130</b>	749.36	749.36	750.52	752.84	755.16	758.64	763.28	767.92	771.40	776.04
<b>135</b>	883.92	885.08	886.24	887.40	889.72	893.20	895.52	899.00	902.48	905.96
<b>140</b>	1006.88	1008.04	1008.04	1009.20	1011.52	1012.68	1015.00	1017.32	1019.64	1021.96
<b>145</b>	1113.60	1113.60	1114.76	1114.76	1115.92	1117.08	1118.24	1119.40	1120.56	1121.72
<b>150</b>	1200.60	1200.60	1200.60	1201.76	1201.76	1202.92	1202.92	1204.08	1204.08	1205.24
<b>155</b>	1271.36	1271.36	1271.36	1272.52	1272.52	1272.52	1272.52	1273.68	1273.68	1274.84
<b>160</b>	1328.20	1328.20	1328.20	1328.20	1328.20	1329.36	1329.36	1329.36	1329.36	1330.52
<b>165</b>	1371.12	1371.12	1371.12	1371.12	1371.12	1372.28	1372.28	1372.28	1372.28	1372.28
<b>170</b>	1401.28	1401.28	1401.28	1401.28	1401.28	1401.28	1401.28	1401.28	1401.28	1401.28
<b>175</b>	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68
<b>180</b>	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48

**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>
<b>0</b>	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56	1062.56
<b>5</b>	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92	1057.92
<b>10</b>	1044.00	1044.00	1044.00	1044.00	1042.84	1042.84	1042.84	1042.84	1042.84
<b>15</b>	1019.64	1018.48	1018.48	1018.48	1018.48	1018.48	1018.48	1018.48	1018.48
<b>20</b>	986.00	984.84	984.84	984.84	984.84	984.84	984.84	984.84	984.84
<b>25</b>	943.08	943.08	943.08	941.92	941.92	941.92	941.92	941.92	941.92
<b>30</b>	893.20	892.04	892.04	892.04	890.88	890.88	890.88	890.88	890.88
<b>35</b>	835.20	835.20	834.04	834.04	832.88	832.88	832.88	832.88	832.88
<b>40</b>	771.40	770.24	770.24	769.08	769.08	769.08	769.08	767.92	767.92
<b>45</b>	700.64	700.64	699.48	699.48	699.48	698.32	698.32	698.32	698.32
<b>50</b>	626.40	625.24	625.24	624.08	624.08	624.08	622.92	622.92	622.92
<b>55</b>	547.52	546.36	546.36	545.20	545.20	545.20	544.04	544.04	544.04
<b>60</b>	465.16	464.00	462.84	462.84	461.68	461.68	461.68	460.52	460.52

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	380.48	379.32	378.16	377.00	377.00	375.84	375.84	374.68	375.84
<b>70</b>	294.64	293.48	292.32	291.16	290.00	288.84	288.84	287.68	287.68
<b>75</b>	211.12	209.96	207.64	206.48	205.32	203.00	203.00	201.84	201.84
<b>80</b>	131.08	129.92	128.76	126.44	125.28	122.96	121.80	121.80	120.64
<b>85</b>	60.32	60.32	59.16	58.00	56.84	55.68	54.52	53.36	53.36
<b>90</b>	8.12	6.96	5.80	4.64	3.48	3.48	2.32	1.16	1.16
<b>95</b>	42.92	41.76	40.60	39.44	39.44	38.28	37.12	37.12	35.96
<b>100</b>	99.76	99.76	100.92	100.92	99.76	99.76	99.76	98.60	98.60
<b>105</b>	175.16	177.48	178.64	179.80	179.80	180.96	180.96	180.96	180.96
<b>110</b>	269.12	272.60	274.92	277.24	278.40	279.56	279.56	280.72	279.56
<b>115</b>	380.48	385.12	388.60	390.92	393.24	395.56	395.56	396.72	396.72
<b>120</b>	508.08	512.72	516.20	519.68	523.16	524.32	525.48	526.64	526.64
<b>125</b>	643.80	648.44	653.08	655.40	658.88	660.04	661.20	662.36	662.36
<b>130</b>	780.68	784.16	787.64	789.96	792.28	793.44	794.60	795.76	795.76
<b>135</b>	909.44	911.76	914.08	916.40	917.56	918.72	919.88	919.88	921.04
<b>140</b>	1023.12	1025.44	1026.60	1028.92	1028.92	1030.08	1031.24	1031.24	1031.24
<b>145</b>	1122.88	1124.04	1125.20	1126.36	1126.36	1127.52	1127.52	1128.68	1128.68
<b>150</b>	1206.40	1207.56	1207.56	1208.72	1208.72	1208.72	1209.88	1209.88	1209.88
<b>155</b>	1274.84	1276.00	1276.00	1276.00	1277.16	1277.16	1277.16	1277.16	1277.16
<b>160</b>	1330.52	1330.52	1330.52	1330.52	1331.68	1331.68	1331.68	1331.68	1331.68
<b>165</b>	1372.28	1372.28	1372.28	1372.28	1372.28	1372.28	1373.44	1373.44	1373.44
<b>170</b>	1401.28	1401.28	1401.28	1401.28	1401.28	1402.44	1401.28	1401.28	1402.44
<b>175</b>	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68
<b>180</b>	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	388.14	N.A.	5.80
0-30	822.95	N.A.	12.20
0-40	1345.71	N.A.	20.00
0-60	2376.79	N.A.	35.30
0-80	2978.36	N.A.	44.20
0-90	3049.91	N.A.	45.30
10-90	2949.38	N.A.	43.80
20-40	957.58	N.A.	14.20
20-50	1498.82	N.A.	22.20
40-70	1408.28	N.A.	20.90
60-80	601.57	N.A.	8.90
70-80	224.36	N.A.	3.30
80-90	71.55	N.A.	1.10
90-110	239.96	N.A.	3.60
90-120	615.10	N.A.	9.10
90-130	1185.32	N.A.	17.60
90-150	2580.81	N.A.	38.30
90-180	3689.88	N.A.	54.70
110-180	3449.92	N.A.	51.20
0-180	6739.79	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	100.53
10-20	287.60
20-30	434.81
30-40	522.76
40-50	541.24
50-60	489.84
60-70	377.20
70-80	224.36
80-90	71.55
90-100	52.83
100-110	187.13
110-120	375.14
120-130	570.21
130-140	695.50
140-150	699.99
150-160	586.99
160-170	387.22
170-180	134.87

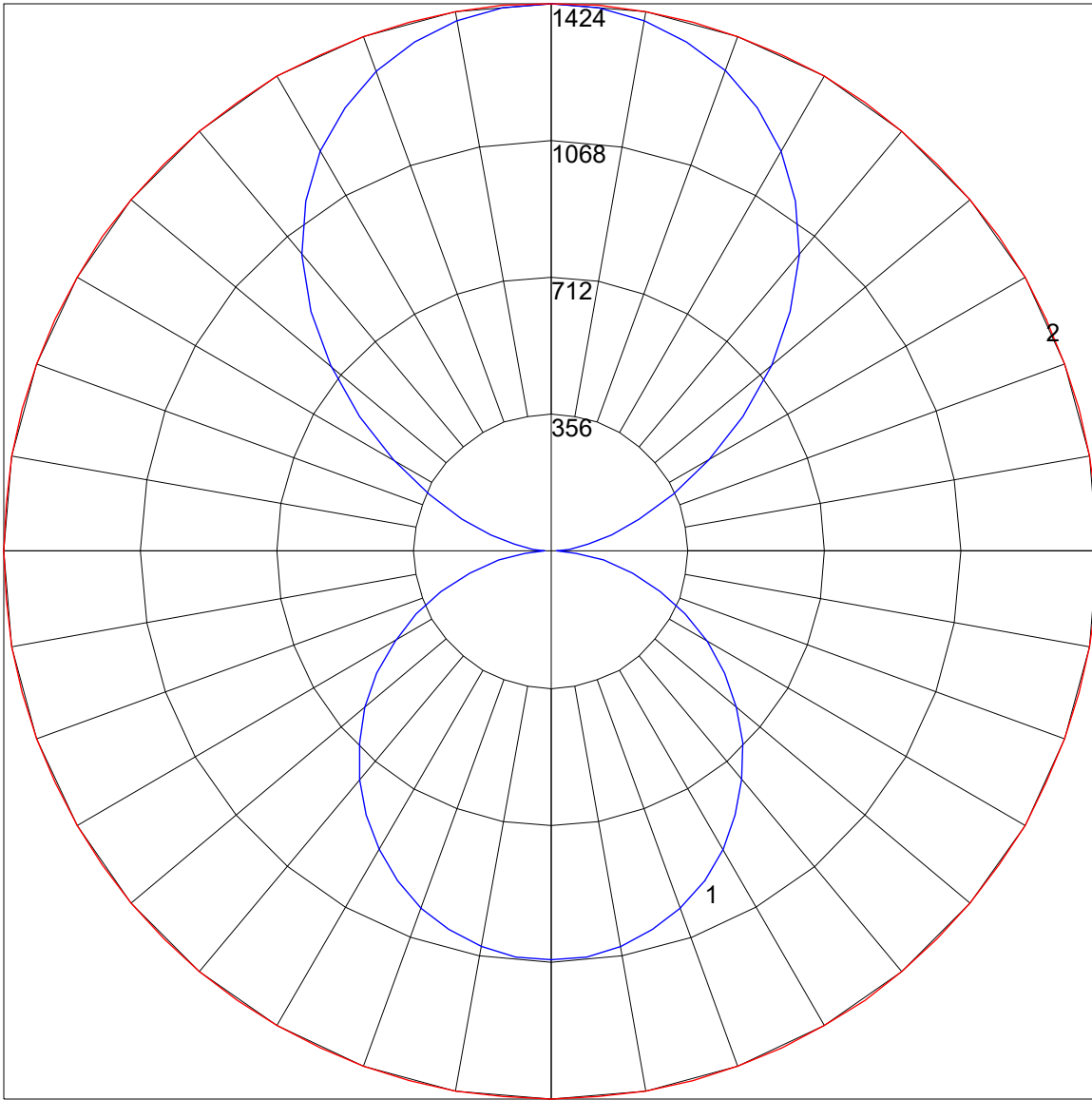
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	10	0
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	96	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	40	38	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	24	21	23	20	18	15
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 1424.48 Located At Horizontal Angle = 0, Vertical Angle = 180  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)