

## IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | Soft Diffuse, down | 90 CRI | HO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U1D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	104	107	109	110
Total Lumens, 4' rail length (1219mm)	11100	11451	11684	11801
Lumens per foot (305mm)	2775	2863	2921	2950
Lumens per foot UP (305mm)	1564	1614	1647	1663
Lumens per foot DOWN (305mm)	1211	1249	1274	1287
Input Power (W), 4' rail length (1219mm)	107.7	107.7	107.7	107.7
Watts per foot (305mm)	27.0	27.0	27.0	27.0
CRI	94	94	94	94

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\_HO\_359\_U1D2.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911551 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] VODE LIGHTING

[LUMCAT] 707-Z3-48-Z-CC-HO-359-U1D2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens up/soft diffuse lens down,

[MORE] high 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	11684
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	107.66
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)	0.26 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	16102	16312	17115
55	15136	15420	16509
65	13716	14088	15531
75	11380	11792	13704
85	6751	7223	10498

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U1D2.IES**

**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>	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8
<b>5</b>	1746.1	1746.1	1746.1	1746.1	1746.1	1746.1	1748.0	1746.1	1746.1	1746.1
<b>10</b>	1723.3	1725.2	1725.2	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3
<b>15</b>	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2	1687.2	1685.3	1687.2	1687.2
<b>20</b>	1634.0	1634.0	1634.0	1634.0	1634.0	1634.0	1634.0	1632.1	1632.1	1632.1
<b>25</b>	1567.5	1567.5	1567.5	1567.5	1567.5	1567.5	1565.6	1565.6	1565.6	1565.6
<b>30</b>	1487.7	1487.7	1487.7	1487.7	1487.7	1485.8	1485.8	1485.8	1485.8	1483.9
<b>35</b>	1394.6	1396.5	1396.5	1394.6	1394.6	1394.6	1394.6	1394.6	1392.7	1392.7
<b>40</b>	1292.0	1292.0	1292.0	1292.0	1292.0	1292.0	1290.1	1290.1	1290.1	1288.2
<b>45</b>	1179.9	1179.9	1179.9	1178.0	1178.0	1178.0	1178.0	1176.1	1176.1	1174.2
<b>50</b>	1056.4	1056.4	1056.4	1056.4	1056.4	1054.5	1054.5	1052.6	1052.6	1052.6
<b>55</b>	927.2	927.2	927.2	927.2	927.2	925.3	925.3	923.4	923.4	921.5
<b>60</b>	790.4	790.4	790.4	790.4	790.4	788.5	788.5	788.5	786.6	786.6
<b>65</b>	649.8	649.8	649.8	649.8	649.8	647.9	647.9	646.0	646.0	644.1
<b>70</b>	507.3	507.3	507.3	505.4	505.4	505.4	503.5	503.5	501.6	501.6
<b>75</b>	364.8	364.8	364.8	362.9	362.9	362.9	361.0	361.0	359.1	357.2
<b>80</b>	228.0	228.0	228.0	228.0	226.1	226.1	224.2	224.2	222.3	220.4
<b>85</b>	106.4	106.4	106.4	106.4	106.4	104.5	104.5	104.5	102.6	100.7
<b>90</b>	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
<b>95</b>	70.3	70.3	70.3	70.3	72.2	72.2	72.2	72.2	72.2	72.2
<b>100</b>	159.6	161.5	161.5	161.5	163.4	165.3	165.3	167.2	169.1	169.1
<b>105</b>	267.9	267.9	269.8	271.7	273.6	275.5	277.4	281.2	283.1	288.8
<b>110</b>	395.2	397.1	399.0	402.8	406.6	414.2	421.8	429.4	437.0	446.5
<b>115</b>	570.0	571.9	573.8	579.5	585.2	594.7	604.2	617.5	634.6	655.5
<b>120</b>	779.0	779.0	784.7	792.3	803.7	817.0	834.1	853.1	872.1	891.1
<b>125</b>	1037.4	1039.3	1045.0	1052.6	1064.0	1079.2	1092.5	1107.7	1121.0	1134.3
<b>130</b>	1312.9	1312.9	1316.7	1322.4	1330.0	1339.5	1349.0	1358.5	1369.9	1379.4
<b>135</b>	1567.5	1569.4	1571.3	1575.1	1580.8	1586.5	1594.1	1601.7	1607.4	1615.0
<b>140</b>	1799.3	1799.3	1801.2	1803.1	1806.9	1810.7	1816.4	1822.1	1827.8	1831.6
<b>145</b>	1998.8	2000.7	2000.7	2002.6	2004.5	2008.3	2010.2	2014.0	2017.8	2021.6
<b>150</b>	2167.9	2167.9	2169.8	2169.8	2171.7	2173.6	2175.5	2177.4	2179.3	2181.2
<b>155</b>	2304.7	2304.7	2304.7	2306.6	2306.6	2308.5	2308.5	2310.4	2310.4	2312.3
<b>160</b>	2413.0	2413.0	2413.0	2413.0	2413.0	2413.0	2414.9	2414.9	2414.9	2416.8
<b>165</b>	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2492.8	2494.7
<b>170</b>	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2546.0	2547.9	2547.9	2546.0
<b>175</b>	2576.4	2576.4	2576.4	2576.4	2576.4	2576.4	2576.4	2576.4	2576.4	2576.4
<b>180</b>	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0

**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>	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8	1751.8
<b>5</b>	1746.1	1746.1	1746.1	1746.1	1746.1	1746.1	1746.1	1746.1	1746.1
<b>10</b>	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3	1723.3
<b>15</b>	1687.2	1685.3	1685.3	1685.3	1685.3	1683.4	1685.3	1685.3	1685.3
<b>20</b>	1632.1	1632.1	1632.1	1632.1	1632.1	1630.2	1630.2	1630.2	1630.2
<b>25</b>	1565.6	1563.7	1563.7	1563.7	1563.7	1563.7	1563.7	1563.7	1561.8
<b>30</b>	1483.9	1483.9	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
<b>35</b>	1390.8	1390.8	1388.9	1388.9	1388.9	1388.9	1388.9	1388.9	1388.9
<b>40</b>	1288.2	1286.3	1286.3	1286.3	1284.4	1284.4	1284.4	1284.4	1284.4
<b>45</b>	1174.2	1172.3	1172.3	1172.3	1170.4	1170.4	1170.4	1170.4	1170.4
<b>50</b>	1050.7	1050.7	1050.7	1048.8	1048.8	1048.8	1046.9	1046.9	1046.9
<b>55</b>	921.5	921.5	921.5	919.6	919.6	917.7	917.7	917.7	917.7
<b>60</b>	784.7	784.7	782.8	782.8	780.9	780.9	780.9	780.9	780.9

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U1D2.IES**

**CANDELA TABULATION - (Cont.)**

<b>65</b>	644.1	642.2	642.2	640.3	640.3	640.3	638.4	638.4	638.4
<b>70</b>	499.7	497.8	495.9	495.9	494.0	494.0	494.0	492.1	492.1
<b>75</b>	355.3	355.3	353.4	351.5	349.6	349.6	347.7	347.7	347.7
<b>80</b>	220.4	218.5	216.6	214.7	212.8	210.9	210.9	209.0	209.0
<b>85</b>	100.7	98.8	96.9	96.9	95.0	95.0	93.1	93.1	93.1
<b>90</b>	9.5	9.5	9.5	9.5	7.6	7.6	7.6	7.6	7.6
<b>95</b>	72.2	72.2	72.2	70.3	70.3	68.4	70.3	74.1	74.1
<b>100</b>	169.1	169.1	171.0	172.9	178.6	190.0	193.8	193.8	193.8
<b>105</b>	296.4	302.1	311.6	326.8	338.2	343.9	345.8	345.8	345.8
<b>110</b>	461.7	480.7	497.8	511.1	516.8	522.5	524.4	526.3	526.3
<b>115</b>	674.5	691.6	703.0	712.5	718.2	723.9	725.8	727.7	727.7
<b>120</b>	904.4	917.7	927.2	934.8	942.4	946.2	950.0	951.9	951.9
<b>125</b>	1145.7	1155.2	1164.7	1172.3	1178.0	1183.7	1185.6	1187.5	1189.4
<b>130</b>	1388.9	1396.5	1404.1	1411.7	1415.5	1421.2	1423.1	1425.0	1426.9
<b>135</b>	1622.6	1630.2	1635.9	1641.6	1645.4	1649.2	1651.1	1653.0	1653.0
<b>140</b>	1837.3	1843.0	1846.8	1850.6	1854.4	1856.3	1858.2	1858.2	1860.1
<b>145</b>	2025.4	2029.2	2031.1	2034.9	2036.8	2038.7	2038.7	2038.7	2038.7
<b>150</b>	2185.0	2186.9	2188.8	2188.8	2190.7	2192.6	2192.6	2192.6	2192.6
<b>155</b>	2314.2	2314.2	2316.1	2316.1	2318.0	2318.0	2318.0	2319.9	2318.0
<b>160</b>	2416.8	2416.8	2416.8	2418.7	2418.7	2418.7	2418.7	2418.7	2418.7
<b>165</b>	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7	2494.7
<b>170</b>	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9	2547.9
<b>175</b>	2576.4	2576.4	2576.4	2576.4	2576.4	2576.4	2576.4	2578.3	2578.3
<b>180</b>	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0	2584.0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U1D2.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	641.70	N.A.	5.50
0-30	1363.06	N.A.	11.70
0-40	2233.9	N.A.	19.10
0-60	3964.18	N.A.	33.90
0-80	4980.12	N.A.	42.60
0-90	5097.27	N.A.	43.60
10-90	4931.33	N.A.	42.20
20-40	1592.2	N.A.	13.60
20-50	2498.23	N.A.	21.40
40-70	2367.86	N.A.	20.30
60-80	1015.93	N.A.	8.70
70-80	378.36	N.A.	3.20
80-90	117.15	N.A.	1.00
90-110	413.07	N.A.	3.50
90-120	1065.95	N.A.	9.10
90-130	2071.15	N.A.	17.70
90-150	4573.89	N.A.	39.10
90-180	6587.07	N.A.	56.40
110-180	6173.99	N.A.	52.80
0-180	11684.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	165.94
10-20	475.76
20-30	721.36
30-40	870.84
40-50	906.04
50-60	824.25
60-70	637.57
70-80	378.36
80-90	117.15
90-100	88.24
100-110	324.84
110-120	652.87
120-130	1005.2
130-140	1241.37
140-150	1261.37
150-160	1064.54
160-170	703.65
170-180	244.98

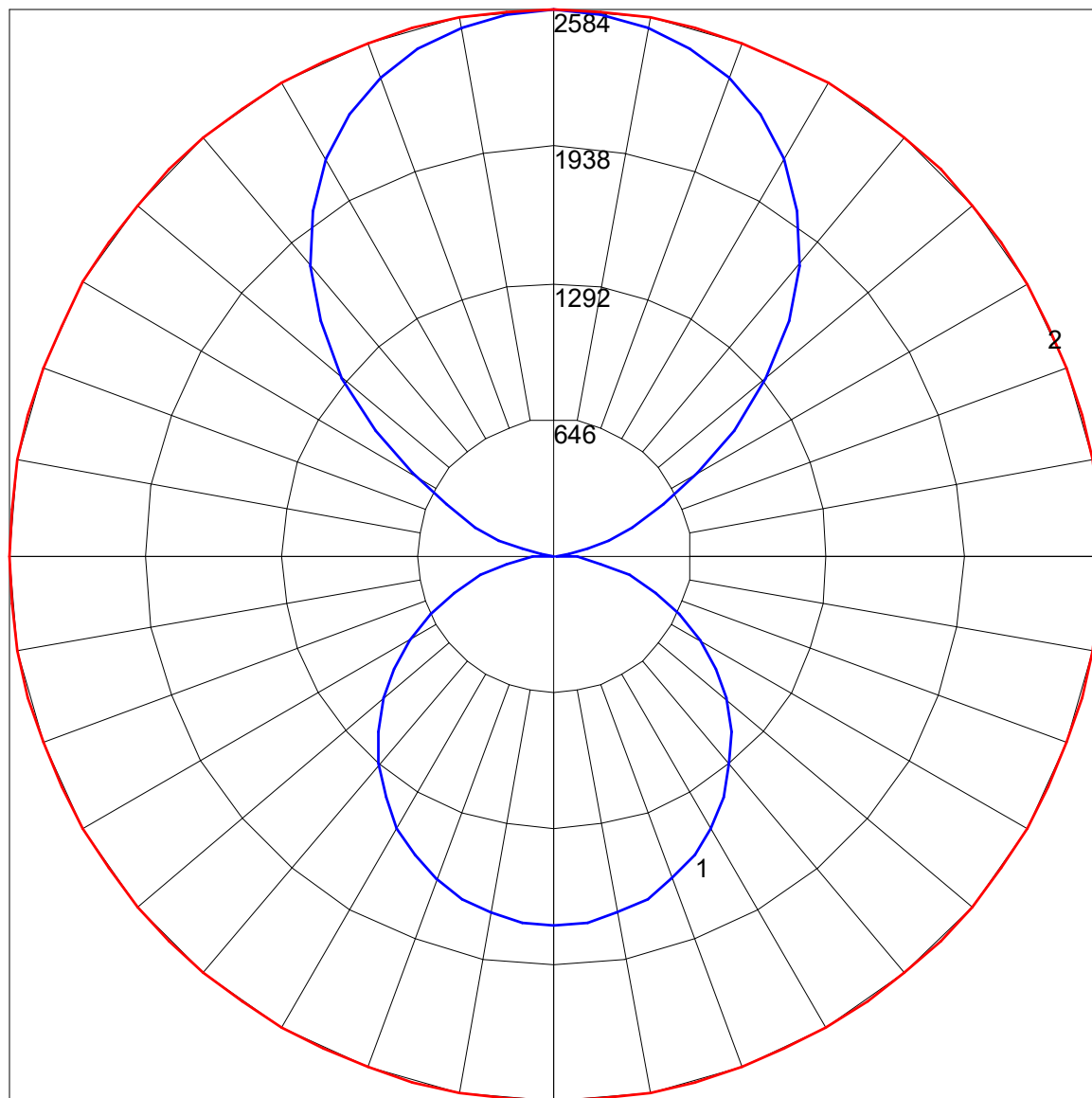
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U1D2.IES**

**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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	87	80	74	68	80	73	68	63	61	57	53	49	46	44	38	37	35	30
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	34	32	30	25
4	73	62	54	48	66	57	50	44	47	42	38	38	35	31	30	28	25	21
5	67	55	47	41	61	51	43	38	42	37	33	34	30	27	27	24	22	19
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	32	27	48	37	30	25	31	26	22	26	22	18	20	17	15	13
9	49	37	29	24	44	34	27	22	28	23	19	24	19	17	19	16	14	11
10	45	33	26	21	42	31	24	20	26	21	18	22	18	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 2584 Located At Horizontal Angle = 0, Vertical Angle = 180  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)