



IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	109	112	114	115
Total Lumens, 4' rail length (1219mm)	11636	12004	12249	12371
Lumens per foot (305mm)	2909	3001	3062	3093
Lumens per foot UP (305mm)	1635	1686	1721	1738
Lumens per foot DOWN (305mm)	1274	1315	1341	1355
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.



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911557 (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-U2D2-AL

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

[MORE] diffuse lens down, 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	12249
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
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	16932	17183	18018
55	15912	16246	17397
65	14318	14794	16363
75	11558	12169	14378
85	6269	7087	10926

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2D2.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>
0.0	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8
1.0	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8
3.0	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9
5.0	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1
7.0	1831.6	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5
9.0	1824.0	1824.0	1824.0	1824.0	1824.0	1824.0	1824.0	1824.0	1824.0	1824.0
11.0	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7
13.0	1795.5	1795.5	1795.5	1795.5	1795.5	1795.5	1795.5	1795.5	1795.5	1795.5
15.0	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1778.4	1776.5	1776.5	1776.5
17.0	1757.5	1757.5	1757.5	1757.5	1757.5	1757.5	1757.5	1757.5	1757.5	1757.5
19.5	1729.0	1729.0	1729.0	1729.0	1729.0	1729.0	1727.1	1727.1	1727.1	1727.1
22.5	1689.1	1689.1	1689.1	1689.1	1689.1	1687.2	1687.2	1687.2	1687.2	1687.2
25.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1643.5	1641.6	1641.6	1641.6
29.0	1586.5	1586.5	1584.6	1584.6	1584.6	1584.6	1584.6	1584.6	1582.7	1582.7
33.0	1510.5	1510.5	1510.5	1510.5	1510.5	1510.5	1508.6	1508.6	1508.6	1506.7
37.5	1417.4	1417.4	1417.4	1417.4	1417.4	1415.5	1415.5	1415.5	1413.6	1413.6
42.5	1303.4	1303.4	1303.4	1303.4	1301.5	1301.5	1301.5	1299.6	1299.6	1299.6
47.5	1178.0	1178.0	1178.0	1178.0	1178.0	1176.1	1176.1	1176.1	1174.2	1174.2
55.0	974.7	974.7	974.7	974.7	974.7	974.7	972.8	972.8	972.8	970.9
65.0	678.3	678.3	678.3	678.3	678.3	678.3	676.4	676.4	676.4	676.4
75.0	370.5	370.5	370.5	370.5	368.6	368.6	368.6	368.6	368.6	368.6
85.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
90.0	49.4	49.4	49.4	47.5	45.6	43.7	41.8	38.0	34.2	30.4
95.0	110.2	110.2	108.3	108.3	106.4	104.5	102.6	100.7	98.8	95.0
100.0	197.6	197.6	197.6	197.6	199.5	199.5	199.5	201.4	201.4	203.3
105.0	326.8	326.8	326.8	328.7	330.6	332.5	336.3	338.2	340.1	342.0
110.0	482.6	482.6	484.5	488.3	490.2	495.9	499.7	505.4	509.2	514.9
115.0	674.5	676.4	678.3	682.1	685.9	691.6	697.3	703.0	710.6	718.2
120.0	898.7	898.7	902.5	906.3	910.1	917.7	925.3	934.8	944.3	953.8
125.0	1147.6	1149.5	1151.4	1155.2	1162.8	1168.5	1178.0	1185.6	1195.1	1204.6
130.0	1407.9	1407.9	1409.8	1413.6	1419.3	1425.0	1432.6	1440.2	1445.9	1451.6
135.0	1654.9	1654.9	1656.8	1660.6	1662.5	1668.2	1672.0	1675.8	1679.6	1683.4
140.0	1873.4	1873.4	1875.3	1877.2	1879.1	1881.0	1882.9	1884.8	1886.7	1890.5
145.0	2057.7	2057.7	2059.6	2059.6	2061.5	2061.5	2063.4	2065.3	2067.2	2067.2
150.0	2211.6	2211.6	2211.6	2211.6	2213.5	2213.5	2213.5	2215.4	2217.3	2217.3
155.0	2335.1	2335.1	2335.1	2337.0	2337.0	2337.0	2337.0	2337.0	2338.9	2338.9
160.0	2433.9	2433.9	2433.9	2435.8	2435.8	2435.8	2435.8	2435.8	2435.8	2435.8
165.0	2508.0	2508.0	2509.9	2508.0	2508.0	2508.0	2509.9	2509.9	2509.9	2509.9
170.0	2559.3	2561.2	2561.2	2561.2	2559.3	2561.2	2561.2	2561.2	2561.2	2561.2
175.0	2589.7	2589.7	2589.7	2589.7	2589.7	2589.7	2589.7	2589.7	2589.7	2589.7
180.0	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3

Vert. Horizontal Angles
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>
0.0	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8
1.0	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8	1846.8
3.0	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9	1844.9
5.0	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1	1841.1
7.0	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5
9.0	1822.1	1824.0	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1	1822.1
11.0	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7
13.0	1795.5	1795.5	1795.5	1793.6	1793.6	1793.6	1793.6	1793.6	1793.6
15.0	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5	1776.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2D2.IES

CANDELA TABULATION - (Cont.)

17.0	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6	1755.6
19.5	1727.1	1725.2	1725.2	1725.2	1727.1	1725.2	1725.2	1725.2	1725.2
22.5	1687.2	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3	1685.3
25.5	1641.6	1639.7	1639.7	1639.7	1639.7	1639.7	1639.7	1639.7	1637.8
29.0	1582.7	1580.8	1580.8	1580.8	1580.8	1580.8	1580.8	1578.9	1578.9
33.0	1506.7	1506.7	1504.8	1504.8	1504.8	1504.8	1504.8	1504.8	1504.8
37.5	1413.6	1411.7	1411.7	1411.7	1409.8	1409.8	1409.8	1409.8	1409.8
42.5	1297.7	1297.7	1295.8	1295.8	1295.8	1295.8	1295.8	1293.9	1293.9
47.5	1174.2	1172.3	1172.3	1172.3	1170.4	1170.4	1170.4	1170.4	1170.4
55.0	970.9	969.0	969.0	969.0	969.0	969.0	967.1	967.1	967.1
65.0	674.5	674.5	674.5	674.5	674.5	672.6	672.6	672.6	672.6
75.0	366.7	366.7	366.7	366.7	366.7	364.8	364.8	364.8	364.8
85.0	98.8	98.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
90.0	26.6	22.8	19.0	15.2	13.3	9.5	7.6	5.7	3.8
95.0	91.2	89.3	87.4	83.6	81.7	77.9	77.9	76.0	76.0
100.0	201.4	201.4	199.5	197.6	197.6	197.6	197.6	197.6	195.7
105.0	343.9	345.8	347.7	349.6	353.4	353.4	353.4	353.4	351.5
110.0	518.7	524.4	530.1	535.8	537.7	539.6	539.6	537.7	537.7
115.0	727.7	735.3	742.9	746.7	750.5	750.5	750.5	750.5	750.5
120.0	963.3	970.9	976.6	980.4	984.2	984.2	986.1	986.1	986.1
125.0	1212.2	1217.9	1221.7	1225.5	1227.4	1229.3	1231.2	1231.2	1231.2
130.0	1457.3	1461.1	1464.9	1466.8	1470.6	1470.6	1472.5	1472.5	1474.4
135.0	1687.2	1689.1	1691.0	1694.8	1696.7	1696.7	1698.6	1698.6	1698.6
140.0	1892.4	1894.3	1896.2	1898.1	1898.1	1900.0	1900.0	1900.0	1900.0
145.0	2069.1	2071.0	2072.9	2072.9	2072.9	2074.8	2074.8	2074.8	2074.8
150.0	2217.3	2219.2	2219.2	2221.1	2221.1	2221.1	2221.1	2221.1	2221.1
155.0	2338.9	2340.8	2340.8	2340.8	2340.8	2340.8	2342.7	2342.7	2340.8
160.0	2435.8	2435.8	2437.7	2435.8	2437.7	2437.7	2437.7	2437.7	2437.7
165.0	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9
170.0	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2	2561.2
175.0	2589.7	2589.7	2589.7	2589.7	2589.7	2589.7	2589.7	2591.6	2589.7
180.0	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3	2597.3

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2D2.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	644.52	N.A.	5.30
0-30	1351.66	N.A.	11.00
0-40	2116.53	N.A.	17.30
0-60	3761.28	N.A.	30.70
0-80	5079.31	N.A.	41.50
0-90	5365.4	N.A.	43.80
10-90	5223.38	N.A.	42.60
20-40	1472.01	N.A.	12.00
20-50	2429.15	N.A.	19.80
40-70	2425.85	N.A.	19.80
60-80	1318.04	N.A.	10.80
70-80	536.93	N.A.	4.40
80-90	286.08	N.A.	2.30
90-110	481.43	N.A.	3.90
90-120	1197.96	N.A.	9.80
90-130	2268.2	N.A.	18.50
90-150	4851.56	N.A.	39.60
90-180	6883.52	N.A.	56.20
110-180	6402.09	N.A.	52.30
0-180	12248.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.01
10-20	502.50
20-30	707.14
30-40	764.87
40-50	957.14
50-60	687.61
60-70	781.11
70-80	536.93
80-90	286.08
90-100	113.42
100-110	368.01
110-120	716.53
120-130	1070.24
130-140	1292.45
140-150	1290.92
150-160	1077.33
160-170	708.36
170-180	246.27

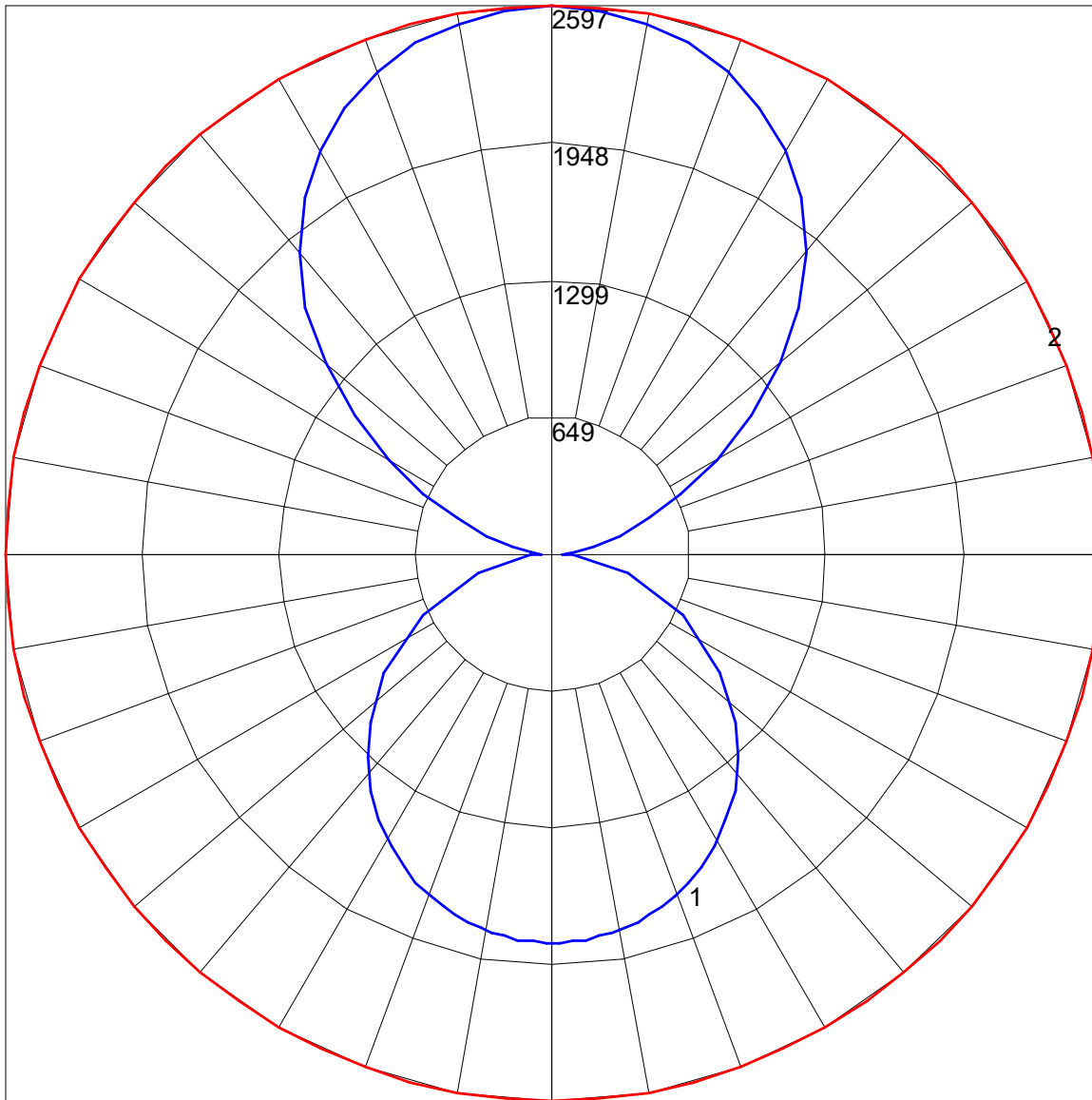
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U2D2.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	65	65	65	50	50	50	44
1	95	91	86	83	87	83	79	76	69	66	63	55	53	52	43	42	41	35
2	86	79	72	67	79	72	66	62	59	55	52	48	45	42	37	35	33	28
3	79	69	61	55	71	63	56	51	52	47	43	42	38	35	33	30	28	24
4	72	61	52	46	65	56	48	43	46	41	36	37	33	30	29	26	24	20
5	66	54	45	39	60	49	42	37	41	35	31	33	29	26	26	23	21	17
6	60	48	40	34	55	44	37	32	37	31	27	30	26	22	24	20	18	15
7	56	43	35	30	51	40	33	28	33	28	24	27	23	20	21	18	16	13
8	52	39	31	26	47	36	29	24	30	25	21	25	21	18	20	17	14	12
9	48	36	28	23	44	33	26	22	28	22	19	23	19	16	18	15	13	11
10	45	33	25	21	41	30	24	19	26	20	17	21	17	14	17	14	12	10

POLAR GRAPH



Maximum Candela = 2597.3 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.)