

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 40° Symmetric, down | 90 CRI | HO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U2S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	69	71	73	76
Total Lumens, 4' rail length (1219mm)	7376	7609	7764	7920
Lumens per foot (305mm)	1844	1902	1941	1980
Lumens per foot UP (305mm)	1365	1408	1437	1392
Lumens per foot DOWN (305mm)	479	494	504	489
Input Power (W), 4' rail length (1219mm)	107.2	107.2	107.2	107.2
Watts per foot (305mm)	26.8	26.8	26.8	26.8
CRI*	96	96	96	96

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).

\* R9: ~74 @ 3500K



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U2S1\_BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L031805808R01 (SOURCE REPORT FOR REFERENCE)  
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
 [ISSUEDATE] 4/12/2018  
 [MANUFAC] Vode Lighting  
 [LUMCAT] 707-Z3-CC-Z-HO-359-U2S1-BL  
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,  
 [MORE] symmetric lens with edgeglow up/40° symmetric lens down, high output, black anodized finish  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7764
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	107.19
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)	0.25 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	1654	4109	9478
55	643	1616	4657
65	332	775	2211
75	244	454	1246
85	123	279	668

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U2S1\_BL.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>0.0</b>	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6
<b>1.0</b>	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8	1808.8
<b>3.0</b>	1787.9	1789.8	1789.8	1789.8	1789.8	1789.8	1791.7	1793.6	1795.5	1797.4
<b>5.0</b>	1749.9	1749.9	1751.8	1753.7	1755.6	1759.4	1763.2	1767.0	1770.8	1774.6
<b>7.0</b>	1696.7	1696.7	1698.6	1702.4	1706.2	1711.9	1719.5	1725.2	1732.8	1740.4
<b>9.0</b>	1628.3	1628.3	1632.1	1637.8	1643.5	1653.0	1662.5	1673.9	1685.3	1698.6
<b>11.0</b>	1552.3	1552.3	1556.1	1563.7	1573.2	1584.6	1596.0	1613.1	1630.2	1647.3
<b>13.0</b>	1466.8	1468.7	1474.4	1483.9	1493.4	1508.6	1525.7	1542.8	1563.7	1586.5
<b>15.0</b>	1379.4	1381.3	1388.9	1398.4	1411.7	1428.8	1447.8	1470.6	1495.3	1521.9
<b>17.0</b>	1288.2	1290.1	1297.7	1309.1	1324.3	1343.3	1366.1	1392.7	1421.2	1453.5
<b>19.5</b>	1168.5	1172.3	1179.9	1193.2	1210.3	1233.1	1259.7	1290.1	1324.3	1360.4
<b>22.5</b>	1014.6	1018.4	1027.9	1045.0	1065.9	1094.4	1124.8	1160.9	1200.8	1242.6
<b>25.5</b>	851.2	855.0	866.4	885.4	912.0	944.3	980.4	1022.2	1069.7	1115.3
<b>29.0</b>	655.5	659.3	672.6	693.5	722.0	760.0	801.8	853.1	906.3	961.4
<b>33.0</b>	452.2	456.0	469.3	488.3	516.8	554.8	598.5	651.7	708.7	771.4
<b>37.5</b>	273.6	277.4	286.9	304.0	326.8	357.2	395.2	442.7	499.7	562.4
<b>42.5</b>	150.1	152.0	157.7	167.2	182.4	203.3	229.9	266.0	307.8	357.2
<b>47.5</b>	83.6	83.6	87.4	93.1	100.7	114.0	129.2	152.0	178.6	212.8
<b>55.0</b>	38.0	38.0	39.9	41.8	45.6	51.3	57.0	66.5	77.9	93.1
<b>65.0</b>	15.2	17.1	17.1	17.1	19.0	20.9	22.8	24.7	28.5	34.2
<b>75.0</b>	7.6	7.6	7.6	7.6	7.6	7.6	9.5	9.5	11.4	13.3
<b>85.0</b>	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8
<b>90.0</b>	24.7	24.7	24.7	22.8	22.8	20.9	19.0	17.1	15.2	13.3
<b>95.0</b>	72.2	72.2	72.2	70.3	70.3	68.4	68.4	66.5	66.5	64.6
<b>100.0</b>	148.2	148.2	148.2	148.2	148.2	150.1	150.1	150.1	150.1	152.0
<b>105.0</b>	247.0	247.0	247.0	248.9	250.8	252.7	254.6	258.4	260.3	264.1
<b>110.0</b>	372.4	372.4	374.3	376.2	380.0	383.8	387.6	393.3	399.0	402.8
<b>115.0</b>	526.3	528.2	530.1	532.0	537.7	541.5	549.1	556.7	564.3	571.9
<b>120.0</b>	708.7	710.6	712.5	716.3	722.0	727.7	735.3	744.8	754.3	763.8
<b>125.0</b>	915.8	915.8	919.6	923.4	929.1	936.7	944.3	955.7	965.2	976.6
<b>130.0</b>	1136.2	1136.2	1138.1	1143.8	1149.5	1157.1	1166.6	1176.1	1185.6	1195.1
<b>135.0</b>	1356.6	1356.6	1360.4	1364.2	1369.9	1375.6	1383.2	1390.8	1400.3	1407.9
<b>140.0</b>	1565.6	1565.6	1567.5	1569.4	1573.2	1578.9	1584.6	1590.3	1594.1	1599.8
<b>145.0</b>	1744.2	1744.2	1746.1	1748.0	1749.9	1753.7	1755.6	1759.4	1763.2	1765.1
<b>150.0</b>	1892.4	1892.4	1894.3	1894.3	1896.2	1898.1	1898.1	1900.0	1901.9	1903.8
<b>155.0</b>	2010.2	2010.2	2010.2	2010.2	2010.2	2012.1	2012.1	2014.0	2015.9	2017.8
<b>160.0</b>	2101.4	2103.3	2103.3	2103.3	2103.3	2105.2	2105.2	2107.1	2107.1	2107.1
<b>165.0</b>	2173.6	2173.6	2173.6	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5
<b>170.0</b>	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0
<b>175.0</b>	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2253.4	2253.4	2253.4
<b>180.0</b>	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0

**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>0.0</b>	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6
<b>1.0</b>	1808.8	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7	1810.7
<b>3.0</b>	1799.3	1801.2	1803.1	1805.0	1805.0	1805.0	1806.9	1806.9	1806.9
<b>5.0</b>	1778.4	1784.1	1787.9	1791.7	1793.6	1797.4	1799.3	1799.3	1799.3
<b>7.0</b>	1749.9	1757.5	1765.1	1772.7	1778.4	1784.1	1787.9	1789.8	1789.8
<b>9.0</b>	1710.0	1723.3	1736.6	1748.0	1757.5	1765.1	1770.8	1774.6	1776.5
<b>11.0</b>	1664.4	1683.4	1700.5	1715.7	1730.9	1742.3	1749.9	1755.6	1759.4
<b>13.0</b>	1609.3	1634.0	1658.7	1679.6	1698.6	1715.7	1729.0	1734.7	1736.6
<b>15.0</b>	1550.4	1578.9	1611.2	1637.8	1660.6	1679.6	1696.7	1708.1	1710.0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U2S1\_BL.IES**

**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	1485.8	1521.9	1554.2	1586.5	1616.9	1643.5	1662.5	1673.9	1677.7
<b>19.5</b>	1398.4	1438.3	1480.1	1520.0	1556.1	1586.5	1611.2	1626.4	1634.0
<b>22.5</b>	1286.3	1331.9	1379.4	1426.9	1468.7	1508.6	1539.0	1556.1	1565.6
<b>25.5</b>	1166.6	1217.9	1269.2	1322.4	1369.9	1415.5	1451.6	1472.5	1478.2
<b>29.0</b>	1018.4	1075.4	1132.4	1185.6	1238.8	1286.3	1328.1	1354.7	1362.3
<b>33.0</b>	836.0	900.6	961.4	1020.3	1073.5	1122.9	1162.8	1191.3	1206.5
<b>37.5</b>	627.0	693.5	758.1	818.9	870.2	919.6	946.2	984.2	993.7
<b>42.5</b>	416.1	478.8	535.8	592.8	640.3	680.2	714.4	737.2	741.0
<b>47.5</b>	252.7	300.2	345.8	389.5	427.5	459.8	484.5	499.7	505.4
<b>55.0</b>	112.1	133.0	157.7	182.4	205.2	222.3	237.5	245.1	248.9
<b>65.0</b>	39.9	47.5	55.1	62.7	70.3	77.9	83.6	87.4	87.4
<b>75.0</b>	15.2	17.1	19.0	22.8	24.7	26.6	28.5	30.4	30.4
<b>85.0</b>	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7
<b>90.0</b>	11.4	9.5	9.5	7.6	5.7	3.8	3.8	1.9	1.9
<b>95.0</b>	62.7	60.8	60.8	58.9	57.0	55.1	55.1	53.2	53.2
<b>100.0</b>	152.0	152.0	152.0	152.0	152.0	152.0	152.0	152.0	150.1
<b>105.0</b>	266.0	269.8	271.7	273.6	275.5	277.4	277.4	277.4	277.4
<b>110.0</b>	410.4	414.2	419.9	423.7	427.5	429.4	431.3	431.3	431.3
<b>115.0</b>	579.5	587.1	594.7	600.4	606.1	608.0	611.8	611.8	611.8
<b>120.0</b>	773.3	782.8	792.3	799.9	805.6	809.4	813.2	813.2	815.1
<b>125.0</b>	986.1	997.5	1005.1	1012.7	1018.4	1024.1	1026.0	1029.8	1029.8
<b>130.0</b>	1206.5	1214.1	1221.7	1229.3	1235.0	1238.8	1242.6	1244.5	1244.5
<b>135.0</b>	1415.5	1421.2	1426.9	1432.6	1438.3	1442.1	1444.0	1445.9	1445.9
<b>140.0</b>	1605.5	1609.3	1613.1	1618.8	1620.7	1622.6	1624.5	1626.4	1628.3
<b>145.0</b>	1768.9	1770.8	1774.6	1778.4	1780.3	1780.3	1782.2	1784.1	1784.1
<b>150.0</b>	1905.7	1909.5	1911.4	1913.3	1913.3	1915.2	1915.2	1917.1	1917.1
<b>155.0</b>	2019.7	2019.7	2021.6	2021.6	2021.6	2023.5	2023.5	2023.5	2025.4
<b>160.0</b>	2109.0	2109.0	2109.0	2109.0	2109.0	2110.9	2110.9	2110.9	2110.9
<b>165.0</b>	2175.5	2175.5	2175.5	2177.4	2177.4	2177.4	2177.4	2177.4	2177.4
<b>170.0</b>	2223.0	2223.0	2224.9	2224.9	2224.9	2224.9	2224.9	2224.9	2224.9
<b>175.0</b>	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4
<b>180.0</b>	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0	2261.0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U2S1\_BL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	569.54	N.A.	7.30
0-30	1072.51	N.A.	13.80
0-40	1470.98	N.A.	18.90
0-60	1894.92	N.A.	24.40
0-80	2002.4	N.A.	25.80
0-90	2017.18	N.A.	26.00
10-90	1881.46	N.A.	24.20
20-40	901.44	N.A.	11.60
20-50	1205.1	N.A.	15.50
40-70	501.05	N.A.	6.50
60-80	107.48	N.A.	1.40
70-80	30.36	N.A.	0.40
80-90	14.79	N.A.	0.20
90-110	364.23	N.A.	4.70
90-120	935.34	N.A.	12.00
90-130	1808.22	N.A.	23.30
90-150	3990.3	N.A.	51.40
90-180	5747.18	N.A.	74.00
110-180	5382.95	N.A.	69.30
0-180	7764.36	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	135.73
10-20	433.82
20-30	502.96
30-40	398.47
40-50	303.66
50-60	120.28
60-70	77.12
70-80	30.36
80-90	14.79
90-100	79.40
100-110	284.84
110-120	571.11
120-130	872.88
130-140	1080.64
140-150	1101.44
150-160	928.83
160-170	613.95
170-180	214.10

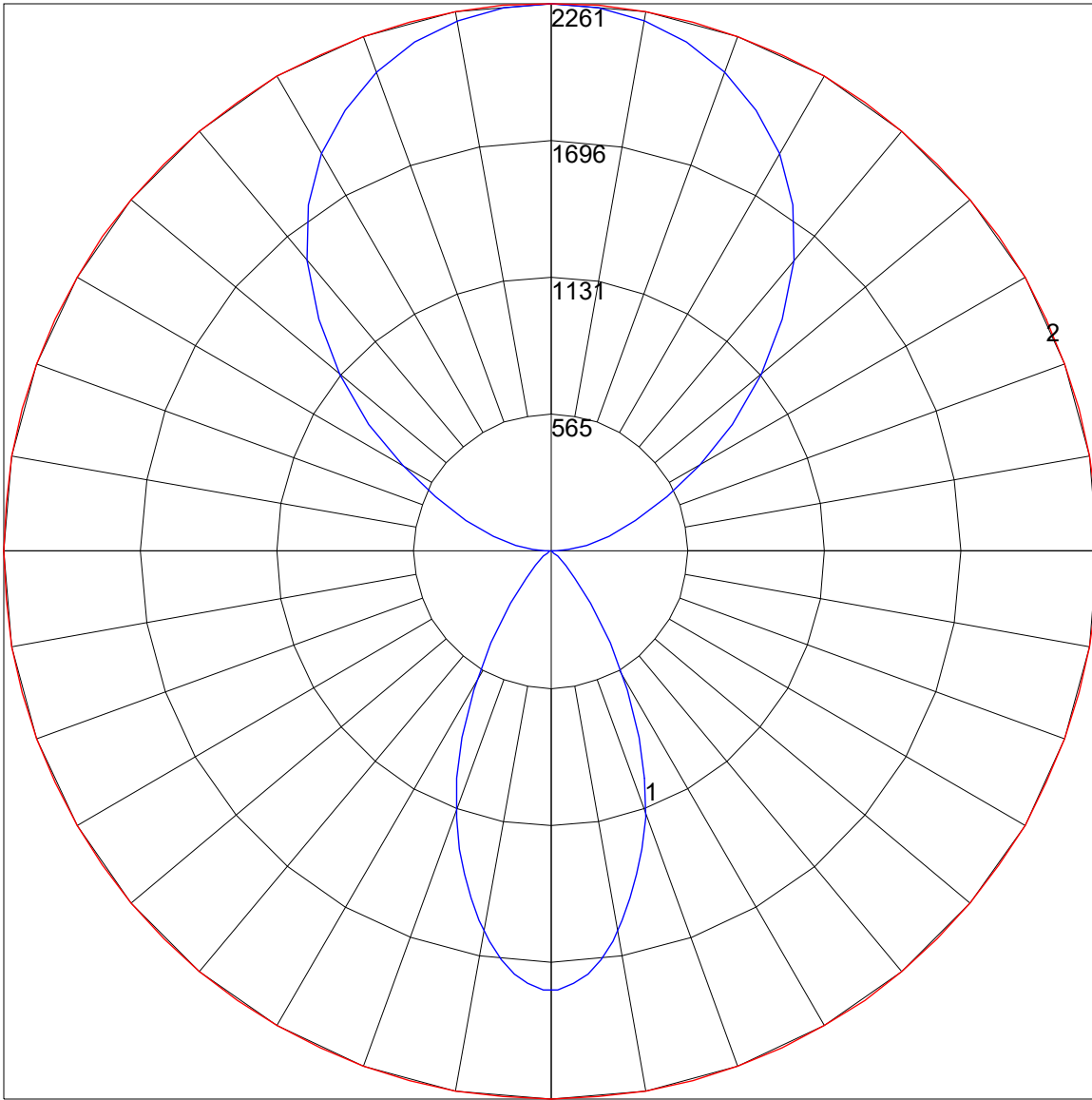
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_HO\_359\_U2S1\_BL.IES**

**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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	86	83	83	80	77	75	62	60	59	46	45	44	31	31	30	23
2	86	79	74	69	76	71	66	63	56	53	50	42	40	38	29	28	27	21
3	79	70	64	58	70	63	58	53	50	46	43	38	35	33	26	25	24	19
4	72	63	56	50	65	57	51	46	45	41	38	34	31	29	24	23	21	17
5	67	56	49	44	60	51	45	40	41	36	33	31	28	26	22	21	19	16
6	62	51	43	38	55	46	40	35	37	32	29	28	26	23	21	19	18	14
7	57	46	39	34	51	42	36	31	34	29	26	26	23	21	19	17	16	13
8	53	42	35	30	48	38	32	28	31	27	23	24	21	19	18	16	15	12
9	50	38	32	27	45	35	29	25	28	24	21	22	19	17	17	15	13	11
10	46	35	29	24	42	32	26	23	26	22	19	21	18	16	15	14	12	10

POLAR GRAPH



Maximum Candela = 2261 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.)