

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-HO-359-U1S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	70	73	74	77
Total Lumens, 4' rail length (1219mm)	7518	7756	7914	7993
Lumens per foot (305mm)	1880	1939	1979	1998
Lumens per foot UP (305mm)	1434	1479	1510	1525
Lumens per foot DOWN (305mm)	445	460	469	474
Input Power (W), 4' rail length (1219mm)	107.7	107.7	107.7	107.7
Watts per foot (305mm)	27	27	27	27
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_U1S1-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911548 (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-U1S1-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens up/40° symmetric lens down,

[MORE] 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	7914
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	107.66
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)	0.26 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	1750	3603	7168
55	806	1653	3350
65	441	831	1664
75	237	502	974
85	121	136	643

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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>
0.0	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6
1.0	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6
3.0	1801.2	1801.2	1801.2	1801.2	1801.2	1803.1	1803.1	1803.1	1805.0	1805.0
5.0	1770.8	1770.8	1772.7	1772.7	1774.6	1776.5	1778.4	1782.2	1784.1	1787.9
7.0	1719.5	1721.4	1721.4	1725.2	1729.0	1732.8	1736.6	1744.2	1749.9	1755.6
9.0	1654.9	1654.9	1656.8	1662.5	1668.2	1675.8	1683.4	1692.9	1704.3	1713.8
11.0	1575.1	1575.1	1578.9	1586.5	1594.1	1605.5	1618.8	1632.1	1647.3	1662.5
13.0	1478.2	1480.1	1485.8	1495.3	1506.7	1521.9	1539.0	1558.0	1578.9	1599.8
15.0	1373.7	1375.6	1383.2	1392.7	1409.8	1428.8	1449.7	1474.4	1501.0	1529.5
17.0	1259.7	1261.6	1271.1	1284.4	1301.5	1326.2	1350.9	1383.2	1415.5	1449.7
19.5	1107.7	1111.5	1121.0	1136.2	1159.0	1187.5	1217.9	1255.9	1295.8	1337.6
22.5	925.3	929.1	940.5	957.6	984.2	1014.6	1052.6	1096.3	1143.8	1193.2
25.5	750.5	754.3	765.7	784.7	811.3	845.5	887.3	934.8	986.1	1041.2
29.0	568.1	571.9	583.3	602.3	628.9	661.2	703.0	750.5	803.7	862.6
33.0	399.0	400.9	412.3	427.5	450.3	480.7	518.7	562.4	613.7	670.7
37.5	260.3	262.2	269.8	281.2	300.2	323.0	353.4	389.5	433.2	480.7
42.5	159.6	161.5	165.3	174.8	186.2	203.3	224.2	250.8	283.1	317.3
47.5	96.9	98.8	102.6	106.4	115.9	127.3	140.6	157.7	176.7	201.4
55.0	49.4	49.4	51.3	53.2	57.0	62.7	70.3	77.9	87.4	98.8
65.0	20.9	20.9	20.9	22.8	24.7	26.6	28.5	32.3	34.2	38.0
75.0	7.6	7.6	7.6	9.5	9.5	9.5	11.4	11.4	13.3	15.2
85.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
95.0	57.0	57.0	57.0	57.0	58.9	58.9	58.9	60.8	60.8	60.8
100.0	129.2	129.2	129.2	131.1	133.0	134.9	138.7	142.5	146.3	150.1
105.0	231.8	231.8	233.7	237.5	241.3	245.1	250.8	256.5	262.2	266.0
110.0	364.8	366.7	368.6	370.5	376.2	381.9	387.6	393.3	399.0	404.7
115.0	520.6	522.5	524.4	526.3	532.0	537.7	543.4	551.0	562.4	577.6
120.0	697.3	697.3	701.1	706.8	714.4	725.8	737.2	754.3	773.3	790.4
125.0	921.5	921.5	927.2	934.8	944.3	957.6	970.9	984.2	999.4	1012.7
130.0	1166.6	1166.6	1170.4	1178.0	1183.7	1195.1	1204.6	1216.0	1227.4	1240.7
135.0	1400.3	1400.3	1404.1	1407.9	1415.5	1423.1	1432.6	1442.1	1453.5	1464.9
140.0	1618.8	1620.7	1622.6	1626.4	1632.1	1639.7	1647.3	1656.8	1666.3	1675.8
145.0	1818.3	1820.2	1822.1	1824.0	1829.7	1835.4	1841.1	1848.7	1858.2	1865.8
150.0	1993.1	1993.1	1995.0	1996.9	2000.7	2006.4	2010.2	2015.9	2023.5	2029.2
155.0	2139.4	2139.4	2141.3	2143.2	2145.1	2148.9	2152.7	2156.5	2162.2	2167.9
160.0	2259.1	2259.1	2259.1	2261.0	2262.9	2264.8	2266.7	2270.5	2272.4	2276.2
165.0	2348.4	2348.4	2348.4	2350.3	2350.3	2350.3	2352.2	2354.1	2356.0	2356.0
170.0	2409.2	2409.2	2409.2	2409.2	2409.2	2409.2	2411.1	2411.1	2411.1	2413.0
175.0	2443.4	2443.4	2441.5	2443.4	2443.4	2443.4	2443.4	2443.4	2443.4	2443.4
180.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0

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>
0.0	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6
1.0	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6	1812.6
3.0	1806.9	1806.9	1808.8	1808.8	1808.8	1810.7	1810.7	1810.7	1810.7
5.0	1789.8	1793.6	1795.5	1797.4	1799.3	1801.2	1803.1	1803.1	1803.1
7.0	1761.3	1767.0	1772.7	1778.4	1782.2	1786.0	1787.9	1789.8	1791.7
9.0	1725.2	1734.7	1744.2	1751.8	1761.3	1767.0	1770.8	1772.7	1774.6
11.0	1677.7	1692.9	1708.1	1721.4	1730.9	1740.4	1748.0	1751.8	1753.7
13.0	1620.7	1641.6	1662.5	1679.6	1696.7	1708.1	1717.6	1723.3	1725.2
15.0	1556.1	1584.6	1609.3	1634.0	1653.0	1670.1	1683.4	1689.1	1692.9

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S1-BL.IES****CANDELA TABULATION - (Cont.)**

17.0	1483.9	1518.1	1550.4	1578.9	1603.6	1624.5	1639.7	1649.2	1653.0
19.5	1381.3	1423.1	1461.1	1499.1	1531.4	1556.1	1577.0	1588.4	1592.2
22.5	1244.5	1295.8	1343.3	1390.8	1428.8	1461.1	1485.8	1501.0	1504.8
25.5	1100.1	1157.1	1214.1	1267.3	1311.0	1350.9	1377.5	1394.6	1400.3
29.0	925.3	989.9	1050.7	1109.6	1159.0	1200.8	1233.1	1252.1	1257.8
33.0	731.5	794.2	858.8	915.8	967.1	1010.8	1043.1	1062.1	1069.7
37.5	533.9	590.9	646.0	699.2	746.7	784.7	815.1	832.2	837.9
42.5	359.1	400.9	442.7	484.5	520.6	552.9	573.8	587.1	592.8
47.5	228.0	256.5	285.0	313.5	338.2	359.1	374.3	383.8	387.6
55.0	112.1	125.4	138.7	150.1	161.5	172.9	180.5	184.3	186.2
65.0	43.7	47.5	51.3	55.1	60.8	62.7	66.5	68.4	68.4
75.0	15.2	17.1	19.0	20.9	20.9	22.8	24.7	24.7	24.7
85.0	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.7	5.7
90.0	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8	3.8
95.0	62.7	62.7	62.7	64.6	64.6	64.6	64.6	66.5	66.5
100.0	153.9	157.7	159.6	159.6	159.6	165.3	167.2	167.2	167.2
105.0	271.7	273.6	275.5	285.0	292.6	296.4	298.3	298.3	298.3
110.0	410.4	421.8	435.1	446.5	452.2	456.0	457.9	457.9	457.9
115.0	594.7	609.9	621.3	630.8	636.5	640.3	644.1	646.0	646.0
120.0	803.7	817.0	828.4	836.0	843.6	849.3	855.0	856.9	856.9
125.0	1026.0	1037.4	1048.8	1060.2	1069.7	1077.3	1083.0	1084.9	1086.8
130.0	1252.1	1265.4	1278.7	1290.1	1299.6	1307.2	1314.8	1316.7	1318.6
135.0	1476.3	1489.6	1501.0	1514.3	1523.8	1531.4	1537.1	1540.9	1542.8
140.0	1687.2	1698.6	1710.0	1719.5	1729.0	1734.7	1740.4	1744.2	1744.2
145.0	1875.3	1884.8	1894.3	1901.9	1909.5	1915.2	1919.0	1920.9	1920.9
150.0	2036.8	2044.4	2050.1	2057.7	2061.5	2065.3	2067.2	2069.1	2069.1
155.0	2171.7	2175.5	2181.2	2185.0	2186.9	2188.8	2190.7	2192.6	2192.6
160.0	2278.1	2281.9	2283.8	2285.7	2287.6	2289.5	2289.5	2289.5	2289.5
165.0	2357.9	2359.8	2359.8	2361.7	2361.7	2363.6	2363.6	2363.6	2363.6
170.0	2413.0	2413.0	2413.0	2413.0	2414.9	2414.9	2414.9	2414.9	2414.9
175.0	2443.4	2443.4	2443.4	2443.4	2443.4	2443.4	2443.4	2443.4	2445.3
180.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0	2451.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	568.66	N.A.	7.20
0-30	1041.38	N.A.	13.20
0-40	1394.75	N.A.	17.60
0-60	1763.7	N.A.	22.30
0-80	1864.19	N.A.	23.60
0-90	1875.55	N.A.	23.70
10-90	1738.93	N.A.	22.00
20-40	826.10	N.A.	10.40
20-50	1088.93	N.A.	13.80
40-70	440.10	N.A.	5.60
60-80	100.49	N.A.	1.30
70-80	29.33	N.A.	0.40
80-90	11.37	N.A.	0.10
90-110	362.19	N.A.	4.60
90-120	945.32	N.A.	11.90
90-130	1848.12	N.A.	23.40
90-150	4144.79	N.A.	52.40
90-180	6038.54	N.A.	76.30
110-180	5676.35	N.A.	71.70
0-180	7914.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.62
10-20	432.04
20-30	472.72
30-40	353.37
40-50	262.84
50-60	106.10
60-70	71.16
70-80	29.33
80-90	11.37
90-100	74.52
100-110	287.67
110-120	583.13
120-130	902.80
130-140	1130.46
140-150	1166.22
150-160	997.00
160-170	664.55
170-180	232.20

IES INDOOR REPORT

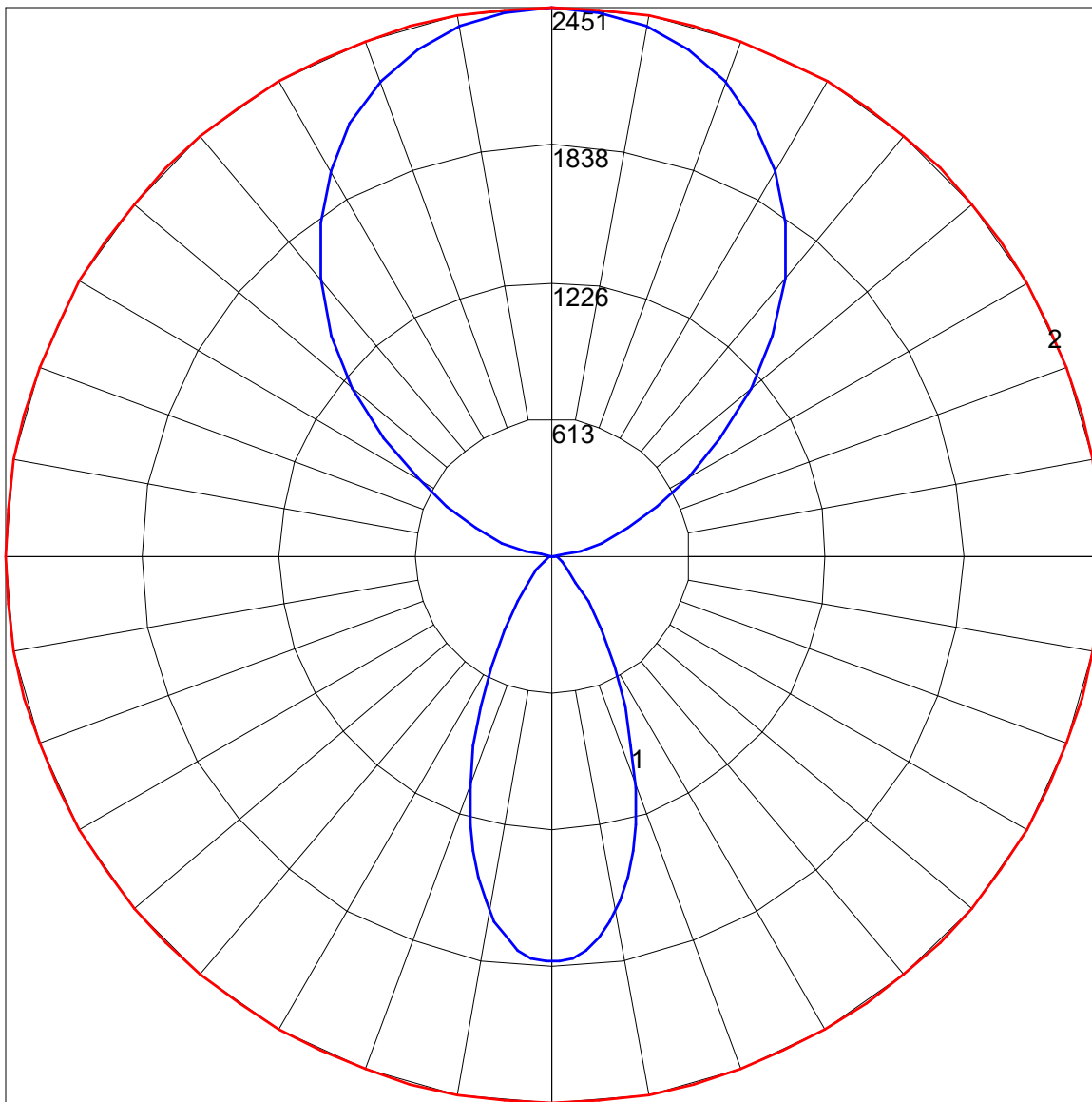
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_HO_359_U1S1-BL.IES

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	69	69	69	50	50	50	32	32	32	24
1	93	89	85	82	82	79	76	74	61	59	58	45	44	43	29	29	28	21
2	85	78	73	69	76	70	66	62	55	52	49	40	38	37	27	26	25	19
3	78	70	63	58	69	62	57	53	49	45	42	36	34	32	25	23	22	17
4	72	62	55	50	64	56	50	45	44	40	37	33	30	28	23	21	20	16
5	66	56	49	43	59	50	44	40	40	36	32	30	27	25	21	19	18	15
6	61	50	43	38	55	45	39	35	36	32	29	27	25	23	19	18	17	13
7	57	46	38	33	51	41	35	31	33	29	25	25	22	20	18	16	15	12
8	53	42	35	30	47	38	32	27	30	26	23	23	20	18	17	15	14	11
9	49	38	31	27	44	35	29	25	28	24	21	22	19	17	16	14	13	11
10	46	35	28	24	41	32	26	22	26	22	19	20	17	15	15	13	12	10

POLAR GRAPH



Maximum Candela = 2451 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.)